REPORTING FOR DUTY, DETACHMENT, OF		1 July		6 . TO 31 July 4
		DATE OF REPORT-		
NAME AND FILE NUMBER	RANK	DATE OF DETACHMENT	PRIMARY DUTIES	NAME, RELATIONSHIP, AND ADDRESS O NEXT OF KIN
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	<u> </u>	ing date)	ļ	communicate with next of kin in an emergency
APBELL, Robert L.,	Captain	19 April 46	ComDesRonFIVE	
		24 July 46	<u> </u>	
ALDVELL, W. L.	Lieut.	15 July 46	Operations &	
	ĺ	24 July 46	Personnel	
was touch watering F	7+ (4-)	<del>+</del>	Officer.	
CHULACHER, William E.	Lt.(jg)	28 June 46	Division Medical	
		}	Officer	
ITTERHOUSE, Elis B.	Commander	12 June 45	Commanding	
	ļ <u> </u>	1	:	
A2D, E. H., 3rd.,	Lieut.	24 June 46	Executive	
			Officer, Navigator,	
WITH, Ralph S.	Lieut.	12 June 45	Gunnery	-
			Officer.	
LSON, Gilbert W.	Lt.(jg)	12 June 45	Communication	
, , , , , , , , , , , , , , , , , , , ,			Officer.	
OTH, P.	Lt.(jg)	20 April 46	Chief Engineer	
· • -		-		
IGLEY, Royal W.	Lt.(jg)	15 June 45	Assistant	-
, -			Gunnery	
	+	<u> </u>	Officer.	
CPHERSON, Roser L.	Basiga	22 Nov. 45	Electronics	
_		23 July 46	Officer.	
ILEY, Donald	Ensign	11 Nov. 45	First	İ
		1	Lieutenant	
		23 July 46		•
OBERTSON, Horace B., Jr.	Ensign	15 April 46	FDO and CIC Officer.	
ICHOLS, Roger L.	Ensign	24 Des. 45	Second	
<b>,g</b>		7	Division	
	<u> </u>	3 July 46	Officer	
ETHEL, Robert L.	Ensign.	28 Jan. 46	Assistant	
		12 101-16	Gunnery	
III C Do-t W	Pari	12 July 46	Officer.	
ULS, Bert W.	Ensign	7 March 46	Pirst Division Officer	
	<del></del>	10 July 46		•
PURCIC, Robert A.	Ensign	22 Nov. 45	Supply Officer	
WATT CEAL 1	-	1	1070 00	
KALL, Sidney A.	Ensign	14 July 46	CIC Officer.	
***	<del> </del> -	<del> </del>	<del> </del>	
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PRIVACY ACT MATERIAL REMOVED

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UNITED STATES SHIPTURNER	(DD 834)	.!_	Λ	Monday	1	July	46
CALLED STATE OF THE STATE OF TH		$T_{-}$		(Day)	(Date)	(Month)	
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o to 4 - Steaming in company with USS SHANGRI-LA (CV38)(CTG 1.6) and USS CHARLES P. CECIL (DD835), enroute Boi Island, Marshall Islands to point "Tare" (CJTF-1 Op Plan 1-46). In cruising disposition as follows: SHANGRI-LA in formation center (formation guide), destroyers in Anti-submarine screen | #12 (USP 10B), with TURNER (CombesionFIVE) in station #1 (2.5-060), and CHLRLES F. CECIL in station #2 (2.5-300). Fleet course and axis 310 (T & pgc), 305 (psc), speed 12 knots (108 RFm). Steaming on boilers #1 and #2. Regular cruising watch and material condition "Baxer" set.

W. OLSON

ia. (jg), USN

4 to 8 - Steaming as before on course 310° (T & pgc), 305° (psc), speed 12 knsts (108 RPL).

505 Sighted Sifu Island, bearing 030° (T), distant 10 miles. 0600 Changed fluet course and axis to 130° (T & pgc), 130° (psc). Took screening station #2. 0604 Lighted fires under boilers and #4. 0625 Changed fluet course and axis to 310° (T & pgc), 305° (psc). Took screening station #1. 0645 Changed fluet course and axis to 340° (T & pgc), 336° (psc). Cut in boilers #3 and #4 on the main steam line. 0707 Commanced steaming on various courses at various speeds to assume station #2 (2-350) from SHANGRI-LA, for flight operations. 0713 Commenced flight operations. Flight course 140° (T), using various speeds. 0752 Lighted off superheaters on all boilers.

2757 By order of CTG 1.6; TURNER detached from formation. Proceeding independently en course 141 (T & pgc), 144° (psc), speed 31 knots (330 RPL), in conjunction with fighter direction plan for atomic bomb test.

R. S. SMITH Lt., USN

8 to 12 - Steaming as before on course 141° (T & pgc), 144° (psc), speed 31 knots (330 RPM).
0800 kustered crew on stations. Absentees; None. 0900 Atomic Bomb was reported released by bombing plane. No visual effects of Bomb explosinn were observed from our location.
0915 Assumed Bomb had exploded. 1014 Reduced speed to 27 knots (270 RPM). 1025 Changed course to 130° (T & pgc), 131° (psc). 1043 On station at Point \*A\* in accordance with operational orders. 1044 Commenced conducting emergency backing drills. 1109 Secured from drill. Changed speed to 20 knots (194 RPM). 1110 Changed course to 200° (T & pgc), 199° (psc). 1112 Reduced speed to 15 knots (140 RPM).\* 1130 Changed course to 020° (T & pgc), 010° (psc). 1140 Secured boilers #3 and #4. 1155 Changed course to 070° (T & pgc), 062° (psc), Made daily inspection of magazines and smokeless powder samples. Conditions normal with the exception of a maximum recorded temperature of 108°F in 20kM ready service box #8.

\* 1118 Blew tubes on all boilers.

AN Wieler R. W. WIGLER Lt. (jg), USN

12 to 16 - Steaming as before. 1200 Changed course to 250° (T & pgc), 240° (psc). Began patrolling on station point "Able" on courses 250° (T & pgc), 240° (psc) and 070° (T & pgc), 062° (psc). 1255 Proceeding on various courses at various speeds to rejoin formation and take station in column 1000 yards astern SHANGRI-LA. 1310 Changed course to 138° (T & pgc), 138° (psc), fleet course, but unable to make fleet speed of 25 kmots (248 RPM). Dropped astern of formation. Reason-Loss of vacuum main condenser \$1. 1440 Regained station 1000 yards astern SHANGRI-LA, changed course to 170° (T & pgc), 163° (psc). 1442 Sighted land, indentified as Roi Island, bearing 137° (T), distant 9 miles. 1455 Stationed anchor detail. 1500 Changed speed to 20 kmots (197 RPM). 1503 Changed speed to 15 kmots (140 RPM). 1514 Entered Hellu Pass. 1541 Anchored in berth A-1, Roi anchorage, Ewajalein Atoll in 15 fathoms of water, coral bottom, with 75 fathoms of chain to the port anchor, on the following bearings; Control tower 354½° (T), Beacon "A" 074° (T), Radio tower 1254 (T). 1550 Secured anchor detail and set regular in port watch.

H. B. BOBERTSON, Jr. Ens., USN

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NAVIGATOR

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UNITED STATES SHIP TURNER (DD 834)	 Monday	1	July	46
	 (Phon)	(2-4)	(Acres)	

DECK LOG-REMARKS SHEET

0 to 4 - Steaming in company with USS SHANGRI-LA (CV38)(CTG 1.6) and USS CHARLES P. CECIL (DD835), enroute Roi Island, Marshall Islands to point "Tare" (CJTF-1 Op Plan 1-46). In cruising disposition as follows: SHANGRI-LA in formation center (formation guide), destroyers in Anti-submarine screen #12 (USF 10B), with TURNER (CompessionFIVE) in station #1 (2.5-060), and CHURLES P. CECIL in station #2 (2.5-300). Fleet course and axis 310 (T & pgc), 305 (psc), speed 12 knots (108 RPM). Steaming on boilers #1 and #2. Begular cruising watch and material condition "Baker" set.

S. W. OLSON Lt. (jg), USN

4 to 8 - Steaming as before on course 310° (T & pgc), 305° (psc), speed 12 knots (108 RPL).

1505 Sighted Sifu Island, bearing 030° (T), distant 10 miles. 0600 Changed fleet course and axis to 130° (T & pgc), 130° (psc). Took screening station #2. 0604 Lighted fires under boilers and #4. 0625 Changed fleet course and axis to 310° (T & pgc), 305° (psc). Took screening station #1. 0645 Changed fleet course and axis to 340° (T & pgc), 336° (psc). Cut in boilers #3 and #4 on the main steam line. 0707 Commenced steaming on various courses at various speeds to assume station #2 (2-350) from SHANGRI-LA, for flight operations. 0713 Commenced flight operations. Flight course 140° (T), using various speeds. 0752 Lighted off superheaters on all boilers. 1757 By order of CTG 1.6; TURNER detached from formation. Proceeding independently on course 141° (T & pgc), 144° (psc), speed 31 knots (330 RPh), in conjunction with fighter direction plan for atomic bomb test.

R. S. SMITH Lt., USN

8 to 12 - Steaming as before on course 141° (T & pgc), 144° (psc), speed 31 knots (330 RPL).
0800 Mustered crew on stations. Absentees; None. 0900 Atomic Bomb was reported released by bombing plane. No visual effects of Bomb explosing were observed from our location.
915 Assumed Bomb had exploded. 1014 Reduced speed to 27 knots (270 RPE). 1025 Changed course to 130° (T & pgc), 131° (psc). 1043 On station at Point \*A\* in accordance with operational orders. 1044 Commenced conducting emergency backing drills. 1109 Secured from drill. Changed speed to 20 knots (194 RPE). 1110 Changed course to 200° (T & pgc), 199° (psc). 1112 Reduced speed to 15 knots (140 RPE).\* 1130 Changed course to 020° (T & pgc), 010° (psc). 1140 Secured boilers #3 and #4. 1155 Changed course to 070° (T & pgc), 062° (psc), Made daily inspection of magazines and smokeless powder samples. Conditions normal with the exception of a maximum recorded temperature of 108°F in 20kW ready service box #8.
\* 1118 Blew tubes on all boilers.

R. W. WIGHT Lt. (jg), USK

12 to 16 - Steaming as before. 1200 Changed course to 250° (T & pgc), 240° (psc). Began patrolling on station point "Able" on courses 250° (T & pgc), 240° (psc) and 070° (T & pgc), 062° (psc). 1255 Proceeding on various courses at various speeds to rejoin formation and take station in column 1000 yards astern SHANGRI-LA. 1310 Changed course to 138° (T & pgc), 138° (psc), fleet course, but unable to make fleet speed of 25 kmcts (248 RPM). Dropped astern of formation. Beason-loss of vacuum main condenser #1. 1440 Regained station 1000 yards astern SHANGRI-LA, changed course to 170° (T & pgc), 163° (psc). 1442 Sighted land, indentified as Boi Island, bearing 137° (T), distant 9 miles. 1455 Stationed anchor detail. 1500 Changed speed to 20 kmcts (197 RPK). 1503 Changed speed to 15 kmcts (140 RPM). 1514 Entered Hellu Pass. 1541 Anchored in berth A-1, Boi anchorage, Ewajalein Atoll in 15 fathoms of water, coral bottom, with 75 fathoms of chain to the port anchor, on the following bearings; Control tower 3542° (T), Beacon "A" 074° (T), Radio tower 125° (T). 1550 Secured anchor detail and set regular in port watch.

H. B. ROBERTSON, Jr. Bos., USN

ATTECVE:

DECK LOG-ADDITIONAL REMARKS SHEET [AL (DD834) (Date) ADDITIONAL REMARKS COMMANDING. 16 to 20 - Anchored as before. 1600 Secured #2 boiler, #1 boiler in use for auxiliary purposes. Lt.(jg), USN 21 20 to 24 - Anchored as before. Lt.(jg), USN EXERCISES AFTERNOON

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UN TED STATES SHIP TUTION (DD831)				, 19 <u>44</u> 0
	(Day	(Date)	Month	

to 4 - Anchored as before in berth A-1, "oi Island, Kwajalein Atol., Marshall Islands, in actem (15) fathoms of water with seventy-five (75) fathoms of chain to the port anchor, on the blowing anchorage bearings: Control tower 1942 (T), Beacon "A" 074°c(T), Radio tower 1852 (T). He in use a remaining purposes. Ships present: USS ShandRI-La (0738), USS Charles F. 1.1 (2235). SOFA: CISTALIN SHANDRI-La. CompessonFIVE in TURNER.

R.O. Bethe B. B. Bether Brs., USKR

to 8 - Anchored as before.

P. ROTH Lt. (jg), USN

The 12 - Anchored as before. 0:000 Mustered crew at quarters. Absentees: None. 0945 Ensign MILIST (MC) came aboard to conduct medical survey for possible dysentery cases. 1:000 The tain held must and assigned punishments as follows:

RATE SERVICE NUMBER OFFENSE PUNISHERIES

LING, E. P., REGC Smirking duty Loss of two literaties

Disposedience of orders Four (4) hours DTD.

TIME, F. P., S2c Shirking duty Two (2) hours EPD.

Le daily inspection of magazines and smokeless powder samples. Conditions. Normal except

Le ready service tox #5, 20ML ready service box #6, 20ML ready service box #7, and 20ML ready

are daily inspection of magazines and smokeless powder samples. Conditions. Normal except in ready service box #6, 20th ready service box #6, 20th ready service box #7, and 20th ready service box #6, which maximum recorded temperature of 110 F. Made weenly inspection of magizines triming system. Conditions, Satisfactory.

R. E. BETTALL Ens., USNR

E to 16 - Anchored as before. 1500 The Captain held mast and assigned punishments as follows:

Slc, USE, for negligence resulting in loss of Government Property;
Esigned Summary Court Martiel.

H. H. WARD, 3rd: Lt., USK

k to 20 - Anchored as before. 1611 Underway for Bikini Atoli, Marshall Islands, in obedience to c-DesEmpTVE dispatch Ollo552 of June, 1946. Captain at comm, Executive Officer (navigator) on the bridge. Standard speed 15 kmots (140 RPL), steaming at (2/3) two-thirds speed, 10 kmots (160 RPL), 1-inding out of Exajalein Atoli on various courses, conforming to the channel, 1655 With buoy #1 to starboard, bearing 080° (T), distant 175 yards, took departure on course 321° (T & pgc), 160 (psc), at 13 kmots (118 RPL). 1656. Secured anchor detail, set regular cruising watch.

Comed bent line screen #12 (USF 10B), SHANGRI-IA (CV38) in disposition center, TURNER in station #1 2.5-060, CHARLES P. CECIL (DD835) in station #2 (2.5-300).

PRIVACY ACT MATERIAL REMOVED

A Smith
LL. (JE), USN

PROVED

EXAMINED

E. B. RITTENHOUSE, Comdr.

HARD 3m 1

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NAVIGATOR

RESTRICT (DD834) TURNER Tuesday ADDITIONAL REMARKS July 20 to 24 - Steaming as before on course 321° (T & pgc), 318° (psc), speed 13 mots (115 RPE). 2146 Conducted steering casulty drill. 2210 Secured from steering casulty drill. DOS 070 070 070 **0**70 **0**70 070 070 085 Q85 085 20 085 20 085 085 20 050 10 20 050 10 050 20 050 10 20 050 9 20 055 9 045 9 045 9 065 065 9 AND EXERCISES

LOG OF THE UNITED STATES SHIP TIMES (DD834) EX PASSAGE FROM Roi Anchorage Wednesday 3 \_ то <u>Bikini Atoll</u> E. B. RITTETHOUSE, Commander ZONE DESCRIPTION RĒÝS. LOG COURSE (P. C.) BAROMETER (CORRECTED) TEMPERATURE CLOUDS DAY BULS AIR, WET BULS SYRO X READING AT. THER FORM YENTHE HEIGHT IN INCHES MAG \_ LOW MIDDLE HIGH ! • 2 10 11 12 13 14 15 16 17 18 19 zo 065 9 3005 80 80 77 20 065 48 065 10 30.2 80 84 **8**0 : **7**7 2 2 124.5 13 611 321 2. 20 065 4 13 045 10 2999 83 83 78 84 2 as 20 065 4 121.7 321 045 10 3000 714 137.3 14 2 77 316 82 82 84 8.5 20 065 4 • 113.1 12 045 10 3001 82 77 316 84 065 4.5 107.7 12 045 10 3001 82 82 348 77 BL. 2 065 8.8 20 090 10 8\_ 3004 82 82 71.8 8 050 84 cu 090 090 10 3006 84 . 080 84 79 090 cu 20 59.3 6 9 090 10 3006 84 84 2 090 34.5 cu 84 79 84 090 10 3007 7 16 84 10 65.6 085 cu 20 090 090 10 3006 88 88 81 - 11 075 20 090 CU 090 10 3004 90 90 81 2 12 079 ದಾ 20 090 080 10 3004 070 90 90 82 20 **08**0 αı, 14 073 075 10 3002 90 90 81 20 075 cu 
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ade see adversionable.

TURNER (DD834) Rednesday 3

to 4 - Steaming in co.pany with USS SHANGRI-LA (CV 38)(CTG 1.6) and USS CHARLES P. CECIL (DD835) mroute Roi Island, Marshall Islands to Bikini Atoli, in cruising disposition as follows:

NGRI-La in formation center (formation guide), destroyers in Anti-submarine screen #12 (USF 1.6)

THE TURNER (CompessionFIVE) in station #1 (2.5-060) and CHARLES P. CECIL in station #2 (2.5-300).

Test course and axis 321 (T & pgc), 317 (psc), speed 13 knots (118 RPK). Steaming on boilers

I and #2, regular cruising watch and material condition "Baker" set. Oll5 Sighted two (2) ships to signing 265 (T), distant 9 \*\* \*\*Compension\*\* 
G. W. OLSON. Lt.(jg), USN

to 8 - Steaming as before an course 316° (T & pgc), 314° (psc), speed 12 knots (108 RPM).

C.15 Took station 1000 yards astern SHANGRI-LA, CHARLES P. CECIL 2000 yards astern SHANGRI-LA.

Eighted land, Bikini Atoll, bearing 330° (T), distant 10 miles. 0516 Changed course to 334° (T & pgc), 332° (psc). 0542 Changed course to 348° (T & pgc), 346° (psc). 0600 Set anchor Netail. 0604 Changed course to 357° (T & pgc), 354° (psc). 0614 Passed buoy #1 abeau to port, in stant 200 yards. Entering Bikini lagoon on various courses, standing up haroor to go alongside UDD CHIKASKIA (AD 54) for refueling. 0648 Moored starboard side to CHIKASKIA, berth 324.

C709 Commenced fueling ship. Draft of ship forward, 12°3°, aft 14°3°. 0750 Completed fueling ship having seceived on board 50970 gallons of fuel oil at 60°7. Draft of ship forward 13°, aft 14°6°. Lade all preparations for getting underway.

MSPoleton ge. H. B. BOBERTSON, Jr. Ens., USN

E to 12 - Noored as before. OSOS Underway for tour of target array, Bikini Anchorage, proceeding on various courses at various speeds, Captain at conn, Executive Officer (navigator) on the bridge. D949 Anchored in berth 268, Bikini Anchorage in 29 fathoms of water, coral bottom, with 75 fathoms of chain to the port anchor, on the following bearings: Beacon \*A" 151; (T), Beacon \*B" 109 (T), and Beacon \*C" 030 (T). 0953 Secured anchor detail, set regular in port watch. Nade daily inspection of magazines and smokeless powder samples. Conditions normal except for overheating in 20-millimeter ready service boxes numbers 5, 6, 7, and 8, a maximum temperature of 112°F, being recorded in #8.

R. S. SMITH

12 to 16 - Anchored as before. 1230 Pursuant to ComServDivll Dispatch 110402Z of June 1946, THALPSON, Norman F., F2c, USN, returned aboard for duty from the USS BARTON (DD722), with bags, records and transfer papers. 1453 Pursuant to orders of the Commanding Officer, AH13/UF16/J3146, dated 3 July 1946, Ensign B. W. HULS, (D)L, USNR, reported aboard from the USS BENEVALENCE (AH 13), where he had been for treatment, treatment completed. 1453 Pursuant to Art. D-7017 BuPers kanual, the following named men returned aboard with bags, records and transfer papers, form the USS BENEVALENCE (AH 13): CUSHING, John Snyder, CMN, USN; BIGELOW, Harold L. GM3c, USN; WHITE, Perry (n), F1c, USN; RIESIAND. David R., S1c, USN. 1455 Pursuant to Marked Form "G", Ensign Roger L. NICHOLS, (D)L-Z, USNR, left the ship for the USS BOUNTIFUL (AH9), for treatment. 1500 Lighted fires under boiler #2. 1537 Pursuant to CTU 1.8.14 dispatch 030028Z, dated 3 July 1946, SHOWMAKER, E. J., CM1c, USN, returned aboard with bags, records, and transferpapers from the USS CHIKASKIA (AD 54). 1545 Make all preparations for getting underway.

PRIVACY ACT MATERIAL REMOVED

R. R. BEPHERSON
BOB. USAR

Warmen 1

APPROVE

Workstend ...

NAVIGATOR

DENTIAL	UNITED STATES SHIPTURNER (DD834)	Wednesday 3	July , 19 46
nber)	ADDITIONAL REMARKS	(Date)	(Heath)
July (Month) . 18.	ADDITIONAL REMARKS		
	to 20 - Anchored as before. 1618 Underway for Roi Island Kwa beddence to CTO 1.6 dispatch 021950Z of June 1946. Captain at control to the bridge, standard speed 15 kmots (140 RPM), standing out of courses conforming to channel. 1632 Secured Anchor detail. Set 1638 with buoy #1 abeam to port, bearing 084 (T), distant 500 years (T & pgc), 137 (psc). 1645 Formed bent line screen #12 (U. 1615) sposition center, TURNER in station #1 (2.5-060), CHARLES F. C	onn, Executive Off Bikini Lagoon, on regular cruising ards, took departu SF 10B). SHANGRI-L	icer (navigator various watch. re, set course A guide and
20 065 4 8 20 065 4 8	R. S. SLIT Lt., USN		O BD: )
20 090 5 20 090 5 20 090 5 20 090 5 20 090 5	20 to 24 - Steaming as before on course 137° (T & pgc), 137° (psc G.W. W. R. W. WIGI Lt.(jg), U		μ <b>Kr</b> .).
20 080 5 20 075 5 20 075 5 20 075 5 20 070 5 20 070 5			
20 070 5 20 070 5 20 070 5 20 070 4 20 070 8 20 070 8			-
S AND EXERCISES AFTERNOON			
REMARKS	-		
	Salines:	, 08 L	
	B. RITTE WISE COMME	WARD 3rd. Lt.	· e u wavidatoi

Wolth!

(Nems) (DD834) AT/ Roi Anchorage Friday \_ TO .. E. B. RITTENHOUSE. Commander ZONE DESCRIPTION ... U. S. N. COMM roc. BAROMETER (CORRECTED) REVS. COURSE (P. C.) WIND TEMPERATURE CLOUDS AVERAGE AVERAGE MEVOLUTIONS DIRECTION MOVING PROM (h derm) WATER MAIN INJECTION WEATHER BY BY MBOLS DAY SULE WET BULD NAUTICAL MAUTICAL MEADING AT. THER FORM HEIGHT INCHES Control (Control (Con CEILING MOVING THOM (1- degrees MIDOLE LOW HIGH . 7 11 13 14 15 16 17 10 11 20 057 050 2996 82 063 050 13 2995 82 82 3 نو 85 15 2995 83 83 78 055 3 <u>ioi</u> 88 040 \_• 058 055 15 2994 83 83 78 ci 3.5 102 090 2996 82 82 CH 20 090 10 2998 82 82 052 090 78 2 cu 20 090 050 090 10 3000 84 84 83 1090 CIL 830 090 10 3000 83 83 82 090 10 3000 83 83 82 10 3000 83 83 82 081 090 090 CL 081 090 10 cu \_D90 10 3000 84 84 10 3000 84 84 081 090 <u>" "</u> <u>|20 | 090 </u> cn 20 090 12 090 090 2 cu Р.М. 13 086 090 10 2998 86 86 83 090 cb 079 090 10 29/7 86 36 83 20 090 \_ 14 ر کی <u>do</u> 83 Ĉ5 8 063 10 065 2996 89 89 <u>. 08</u>. 18 84 8 Cb 8.5 CS 071 085 10 2997 89 89 16 84 **2**0 | 080 cb 43 8 073 085 10 2995 88 89 17 84 2 cb 25 cs 20 080 8 256 258 12 2998 87 87 82 20 8 cb 8.5 CS 13 2977 86 86 81 19 <u>cb</u> 85 20 15 3000 80 80 271 275 77 30 2 20 257 8 <u>¢</u>b 13 CS 250 279 15 257 15 3000 81 81 78 21 сb 8.5 CS 15 3000 81 81 15 2998 81 81 301 78 78 15 275 \_ 22 cb 45 CS 300 275 2 20 275 8 cb 45 CS 12 2995 61 81 20 345 78 340 cb - 24 85 CS HELAVY PURL DECREE PURE MOTOR SASO. AVIA. GABO LATITUDE LONGITUDE HOUR RECEIVED 09°22.8'N 167°28.5'B EXPENDED 6333 09°22.8'N 167°28.5'E CH HAND 191761 1300 WATER 167°28.5'E 2000 09°22,8'N GENERAL DRILLS AND EXERCISES CURRENT ## 45020 APTERNOON (SECRIVED EXPENSED 13399 TO OR HAND 23567 DRAFT BEFORE LEAVING PORT 847 RO COMPAGE IN USE -457 DRAFT AFTER ENTERING PORT STANDARD MAGNETIC COMPASS . SOMWAND. . 14 MAGAZINE TEMPERATURES -MARINUM 106 P ready service VARIATE SUBMERGED AUN DATA-BUBMARINES THAT TO SUBMERISE HYDROGRAPHIC AND METEOROLOGICAL REMARKS THE PARTY OF THE P A Part of Part ... 2 2 M S 2 20 34 22 13 1 14 . 15 16 4 17 • 18 7 19 • . • 21 10 22 H. H. WARD, 3rd., Lt., 11 23 42 24 U. S. N

TO BE FORWARDED DIRECT TO THE BUREAU OF NAVAL PERBONNET AT THE BUREAU OF NAVAL PERBONNET

CHARLES AND THE UNITED BY AT AT AN AND ADDRESS. (DD834) av Alland Saturday 6 B. RITTENSAUSE. Commander COMMA TEMPERATURE TOLOUDS MACON CAL TENTHE MAUTICAL LOW MIDDLE HARM 2 42 4 .7 15 ,14 16 17 19 18 2995 cb 1.5 20 345 cs 340 12 2994 340 12 2994 . 037 82 82 2 cb 48 40 20 345! | 12 | 2994 | 82 | 340 | 12 | 2994 | 82 | 380 | 13 | 2994 | 82 | 045 | 15 | 2996 | 82 | 050 | 15 | 2996 | 82 | 060 | 15 | 2996 | 82 | 066 | 15 | 2997 | 82 | 066 | 16 | 3000 | 85 | 066 | 14 | 3001 | 85 | 066 | 15 | 3002 | 86 | 066 | 15 | 3002 | 86 | 066 | 15 | 3002 | 86 | 066 | 15 | 3002 | 86 | 066 | 15 | 3002 | 86 | 066 | 15 | 3002 | 86 | 066 | 15 | 3002 | 86 | 066 | 15 | 3002 | 86 | 066 | 15 | 3002 | 86 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 | 066 065 82 78 . • **e**b 88 CS 20 345 038 82 78 cb C5 345 20 4.5 82 79 cb 8.8 CB 20 045051 -4 3 82 79 d9 فة CS 20 050 067 82 79 cb 8.5 CS 20 **.06**0 i 057 79 • 82 еb A5 ( CS 20 060 --074 85 80 . cb 8.5 CS 20 060 **09**0 20 - d. 86 cb **96**0 8.6 CS 060 ে ুক্ত<u>্</u>য 66 61 88 C5 20,060 **406**3 .cb -42 **86** | **41** 8.8 CB **2**0 060 080 12 2997 90 085 6 2995 90 **1093** 90 -90 095 92 85 **D**85 2 eu 20 095 7 985 10 2994 89 985 10 2992 89 985 10 2992 89 985 20 2996 82 20 095 7 076 -085 89 61 8 ĠП, 094 2 -49 B ou 20 095 \*\*\*\*\* 89 82 2 cu ' 40 045 7 180 20 095 7 2 25 2996 84 21 2999 79 105 -085 40 045 484 .2 æu 77 040 es T **4** 085 79 78 20 085 10 20 3000 80 20 3000 80 20 3000 80 115 2999 80 - 286 160 085 80 79 20 085 10 085 20 085 10 20 085 10 172 30 79 - <u>- 1</u> 0.6 176 **085 80 j 79** 28 155 60 76 20 155 6 CH POSITION. GENERAL DRILLS AND EXERCISES AFTERNOON 167°28.5'8 167°28.5'8 167°28.5'8 109°22.8' N 109°22.8' ¥ 109°22,81 N WATER CURRENT minus 12740 TIME PHO + 70 ON HAND 29362 BRAFT BEFORE LEAVING POR GYRO COMPASS IN USE 2 · 3 · 10 · 21 · 14 PART AFTER ENTERING PORT 937 AGAZINE TEMPERATURES sentent 10 to ready service 40.39 -• 73 ,2 -.... MAYIDAT

NAVIGATOR.

17

TURNER (جڑھیں) 1111 AIR OF THE UNITED STATES SHIP. Bunday ay Roll Inchorage R.B. RITTENHOUSE. Commander REVS. TRUE) TEMPERATURE CLOUDS WEATHER BYMBOLS MAUTIOAL. MILES TENTHS NAUTICAL MILES TENTNS FORM DAY SUL WRT DIE HEIGHT ¥ 7 LOW MIDOLE HIGH , 10 11. 13 3 . 14 17 16 T-10 19 29:4 83 155 cu 120 126 155 155 2992 79 2 cu É 61 25 155 CL 155 3 2992 81 81 78 8.5 155 135 <u>3</u> 090 **29**93 **8**0 çu 8 78 8.5 135 090 2995 80 80 78 CL 88 18 2997 81 81 2998 84 84 135 090 165 2 79 ü 43 138 160 130 79 ÇU 85 1000 2 094 130 5 85 85 80 CH 8.5 20 130 130 120 85 85 , 099 3000 80 СП 8.5 20 2999 86 86 10 108 81 çu 83 100 130 2998 88 88 81 20 11 ÇL 43 082 130 2997 90 90 82 cu 8.5 -11 **29**95 90 81 cu 16 130 130 2993 90 90 120 BI 1 СП 16 130 15 100 130 2992 87 87 80 **₽**12 المائع ورا 2 2992 85 85 080 080 cu 30 **D9**0 -3 80 20 **08**0 6 2994 85 85 2 cu 17 80 AR 108 110 2994 83 83 2 cu 20 110 1. 12 \*\* 79 2 110 2.5 19 113 110 2996 82 82 77 2 cu 2.5 2998 82 82 112 105 20 105  $ar{7}$ cu • 20 105 5 20 105 7 20 105 8 8.5 118 10 105 2999 82-82 2 ...21 77 cn 4.5 121 105 10 3000 82 82 77 2 сb . 126 10 5001 82 60 cb 8.8 105 22 77 2.5 20 105 10 30.0 82 82 81 34 105 СÞ POSITION FUEL GENERAL DRILLS AND EXERCISE HEALTH LATHROE LONGITUDE 167° 28.5' 2 167° 28.5' 2 167° 28.5' 2 99°22;8' ¥ 69°22;8' ¥ on Jane 182816 - 09°22,8' I WATER CURRENT SALLETIE ORAFT BEFORE LEAVING PORT 4 remains 1060F ready box #5 THO COMPAGE IN USE 78°F 21' ¥ STANDARD MAGNETIC COMPASS DRAFT AFTER ENTERING PORT · 41031 AFT ABAZINE EMPERATURES 05° \$ <del>řé° i</del> 330 W UBMERGED RUN DATA-SUBMARINES -. • 77 . À. --22 7.79 Hollow Holl 7 77 11 T

B. RITTENHOUSE. Comdr. ...

1	CONFIDENTIAL		PAGE 395
ONFIDENTIAL	DECK LO	S-REMARKS SHEET	
(DD834) dificultion Number)	TURNER (DD834)	Monday (Dec. )	8 July 1946
(Date) (Month)			
U S. N. COMM	•		<b>.</b> ≒
CLOUDS	o Anchored in berth A-1, Roi anchorage,	" lein Atoll, in 17 fathoms of	of water with 75
	at amoin to the contantor on the following	ic anchorage bearings: Con i	rol toker 3-50 (7)
	Mr. Lover Lise (T), Beacon "C" U710 (T). S LIL (DDS55), USS NELLW K. PERY (DDS83),	-uau fusaa luucazi. and ⊹mail cra	21t. SOFA:
E HIGH HOIN	1.6 in Signification. CombesionFIVE in TU	MER. Boiler #2 in use for auxi	liary purposes.
17 18 19 2	•		
20 105 6		RR M Pherson	
18 105 7		R. R. McPHERS N Ens., USAR	
20 105 7		<b>22.,</b> w.a.	
20 090 6	•		
20 090 6	a 3 - Andlored as before.		
20 09 6		·	
20 .90 6		Millson	•
20 090 6 20 090 6		G. W. JISUK Bt.(jg), USK	•
20 09 6		<b>B</b> (.(Jg), Ca.	
		·	
20 045 6	to 12 - Anc.ored as before. 0800 Lustered	crew at quarters. Absentees none	. 0820 Exercised
20 055 6 20 055 6	a general quarters. Made daily inspecti	on of magazines and smokeless por	wder samples.
20 054 6	ms lion; Normal except 2011 ready service b map rature of 111°F in 2011 ready service box	i iro.	a maritain tegiscelen
20 053 6 20 053 <del>3</del> 6			
20 050 8		R. R. LOPHERS J. II	
20 050 8 20 <b>050</b> 7		H. R. LOPHERSON	
20 050 7		Ens., USNR	
20 050 7 20 090 A	t. 16 - anchored as before. 1400 The Capt	nin hald must and assigned the P	'allawing nuniermente.
	רדי פאסיוזרים שה	OFF INSE	PUNISH ELT
L DRILLS AND EXERCISES	S2c (RM) SERVILLE NO.	Failure to report for working party when told to; i.solence	
warters		to a petty officer, and using	water, full ration even
$\mathfrak{U}$		profene language.	third day; 4 hours ext.
	BLGe	Missing muster of P.A.L's	Loss of tix (6) liber
	RL3c	Absent from working party Missing muster of P.A.L.'s	<pre>and 6 nours extra duty Six (6) hours extra duty</pre>
	S-2c (RL)	Absent from working party	Four (4) hours extra
		H. B. ROBERTSA, Jr.	· ·
		H. B. ROBERTSON, Jr. Bas., USN	
	historia subject in addition confinence	of the Commanding Officer.	S2c(RL), USI
	placed in sulitary confinement on bread and the sentence assign		C. T. making arrange
	and selective assign	ded num at captain's mast this ta	
		Highen	
		Lt. (jg), ben	
OGICAL REMARKS			
	- de - ancipred as before.		
	es perore.		
		DIACITE S	
	PRIVACY ACT MATERIAL REM	INVED HE BOOKERS IT	7.
		Ans., USN	
		•	
		EXAMINED.	

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NFIDENT	TIAI

TURNER (DD834)

Tuesday (Dete

ADDITIONAL REMARKS

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SICAL REMARKS

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Anchered in berth A-1, Roi Anchorage, Kwajalein Atoll, Warshall Islands, in 17 fathoms er water, coral bottom, with 75 fatnoms of chain to the port anchor, on the following anchorage bearings: Control tower 3550 (4), Radio tower 0250 (T), Beacon "C" 0709 (4). Ships present:

1. SHIPTI-L (CVS), USS CHARLES F. CECIL (DB835), USS NEGLAN K. PRELY (DB833), USS F. LIE . 2022), and small craft. SOFA: CTG 1.6 in SHANGRI-LA. ComDesKonFIVE in TURNER. Boiler #2 ... use for auxiliary purposes.

Anchored as before. 0600 lighted fires under boiler #1. 0720 made all premarations r genting under ay. 0722 cut boiler #1 and #2 in on main steam line. 0730 ComDesRonFIVE miftee his pennant from TURNER to FULDE. 0752 got underway for division underway training as obscience to CombesSonFIVE serial 270 of 7 July 1946, Captain at conn, Navigator on bridge, ... Mr. speed 15 k.ous (140 RPM), standing out of Awajalein Hagoon on various courses conforming the channel.

Stearing as before on various courses and at various sizeds. 0830 with buoy "1" bearing (7) distant 150 pards, took departure. Commenced steaming on various courses at various a consisting tactical maneuvers. Basic formation: Column of ships in the following FORT: Final (CombeskonFIVE, OTC), PERLY, CECIL, TURNER, Distance 500 yards. 0902 exercised feath (Latines. 1.30 detiched from formation with PEER to conduct double echo chief. \*\* 1. Althory Clarector radar. 1049 secured from general quarters. 10,7 cet course 270° . 4 NTC), 220° (msc), speed 10 knots (90 RPL). Took station 1500 yards on port beam of PERRY. speed to 15 knots (140 RPM). Made cally inspection of magazines and smokeless powder conditions normal, except for temperatures of 105 F an 20-millimeter ready service F. and Mo. wade weekly check of magalines sprinkling system, conditions satisfactory.

S. SMITH

processing as before on course 090° (1 & pgc), 082° (psc), speed 15 knots (140 RPL).

124 processing independently on course 225° (T & pgc), 262° (psc) to open range for surface tracks as 11 rith PER.Y. 1237 changed speed to 20 anots 194 RPE). 1307 steaming on the period of the per Fig. 1237 changed speed to 20 knots (194 RPM). 1307 steaming on proceeding to plane crash, which occurred one-half (1) mile north of Roi Island, a serious to orders from C.T.G. 1.6, on course 140° (T & pgc), 139° (psc), speed 27 knots (150) changed course to 100° (T & pgc), 0.8° (psc). 1523 secured plane crash and proceeding to port on course 155° (T & pgc), 156° (psc), in accordance with the secured plane courses to 100° (T & pgc), 1547 steaming on various courses in the secured plane courses to the process of the pgc (194 RPM). 1547 steaming on various courses to the process of the pgc (194 RPM). 1547 steaming on various courses to the pgc (194 RPM). 1547 steaming on the cridge. at various speeds conforming to channel. Captain at the conn, Navigator on the cridge.

THAI.

DEAL	 _BFMAS	 CHEET

UNITED STATES SHIP THRNE- (DD834)	 Tuesday	9	Jaly	6
UNITED BY AND THE STATE OF THE	 (Day)	(Date)	(Month:	,

16 to 20

Steaming as before on various courses conforming to channel, speed 20 knots (194 RPM), proceeding into Kwajalein Lagoun. 1604 moored starooard side to USS CHACO CANYON, Berth #5, R.1 Anchorage, Ewajalein Atoll. 1648 com enced fueling ship. Draft of ship forward 12'8", att 14'6". 1735 completed fueling ship having received on board 27602 gallons of fuel oil at 60°F. Draft of ship forward 12'8", aft 15'0". Made all preparations for getting underway. 1744 underway for berth A-1, Roi Anchorage, Captain at conn, Navigator on bridge, proceeding on various courses at various speeds conforming to the channel. 1757 anchored in berth A-1, Roi Anchorage, in 15 fathoms of witer, coral bottom, with 60 fathoms of chain to the port anchor, on the following bearings: Control tower 3542° (T), Radio tower 1342° (T), Beacon "C" 070° (T). 1804 secured anchor detail and set regular in port watch. 1211 ComDesRonFIVE shifted his pennant from FURSE to TURNER and returned aboard.

H. H. WARD, 3rd., Lt., USN

20 to 24

Anchored as before.

H. H. LARD, 3rd., Lt., USN

EXAMINE

MOATOR 1. 1:

W/Wall2

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NITED STATES SHIP MITCHER (DD-3/4)	Mednesday	7 10	July	. 19 46
(4) 1 ED 3 - 1 - 1 - 1	(Day	Date.	'Adonta	

to 4 - Anchored South of berth 1-A at Roi Island anchorage, \*Wajalein Atoll, in 15 fathous of water, fathous of chain to the port anchor. Boiler #2 in use for auxiliary purposes. Bearings; Radio 1345° (T), Control tower 3542° (T), Beacon #0# 0702° (T). Ships present; USU SHANDII-LA 1738) SPA (CTS 1.6), USS CHARLES P. CECIL (DD835), USS FURSE (DD882), USS PERRY (DD863). TO Designifive in TURNER.

P. ROTH Lt.(jg), USN

to 8 - Anchored as before. 0720 made all preparations for getting underway. 0730 Pursuant to Naved Form 16" the following named men were transferred to United States Naval Base Hospital 21,

(wajalein;		
Howard N.,	CWT	USN
ITISBLOH, Lester L.,	<b>F</b> 2c	USN
TER, Bertland R.,	<b>501</b> /3c	usn
Tho as (n),	<b>Sl</b> c	USN
WINDE BERG, Arthur C.,	Sle	USN
ALLASEI, Joseph L.,	Slc	USN
SCITT, lawson S.,	F2c	U.SX.
TATLE, William A., Jr.,	<b>G</b> £le	USN
MITE. Perry (n),	Flc	USI:

Pursuant to CSDII/PI6-4/00 Serial 432/OPX-177 orders, dated 8 June 1946 Ensign Bert W. HULS, (C), USNE was detached from this vessel and ordered to United States havel Base Hospital 21, Ewajalein for treat ent and when detached from there to the United States for release from active duty. 0730 USD PERRY hauled down commission permant and broke broad command permant of Co.DesRonFIVE USS TURNER hauled down broad command permant and broke commission permant. 0750 Got underway for division maneuvers in obedience to flag hoist signal of CombesHonFIVE, Captain at conn, Blecutive Officer (navigator) on the bridge, standard spend 15 knots (140 RPL), standing out of Amajalein Ligoon on various courses conforming to the channel.

7 HB Poherton Jr H. B. BOBERTSON, Jr. Dr Ens., USH

8 to 12 - Stemming as before on various courses conforming to clannel, speed 15 knots (140 Rm).
0 00 kustered drew on stations. Absentees; Hone. 0822 With buby #1 absent to starboard, distant
150 yards, took de arture, set course 000° (T & pgc), 355° (psc). 0830 Commenced tactical exercises.
CompessonFIVE as Officer in tactical command. 0928 Exercised at general quarters. 0934 Set
course 000° (T & pgc), 355° (psc). 0941 Changed course to 045° (T & pgc), 036° (psc).
1005 Changed speed to 10 knots (090 RPM). 1029 Changed speed to 15 knots (140 RPM). 1035 Changed
course to 050° (T & pgc), 083° (psc). 1030 Commenced visual fighter direction tracking exercises
and 23B(MSF 108). 1047 Secured from general quarters. 1135 Changed course to 180° (T & pgc),
180° (psc). 1140 Changed speed to 10 knots (090 RPM). 1150 Changed course to 270° (T & pgc),
2.3° (psd). hade daily inspection of magazines and smokeless powder samples. Conditions normal except
for ready service box #5 with a maximum recorded temperature of 105°F.

M. DISON Lt.(jg), USN

EXAMINED

## PRIVACY ACT MATERIAL REMOVED

POVED:

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H. H. WARD, 3rd, Jan U.S.N.

N. NAVIGATOR

NAVIGATOR

21

UNITED STATES SHIP TURNER (ID834)	Wednesday	10 Per:	ULT (Ment)	. 19 46
ADDITIONAL REMARKS				

12 to 16 - Steaming as before on course 270° (T & pgc), 263° (psc), speed 10 knots (90 RPE).
1235 Proceeding on various courses at various speeds to take station for multiple tracking drill.
1322 On station as target #1, commenced closing main body on various courses at various speeds.
1422 Ceased multiple tracking exercise. Commenced operating independently on course 220°
(T & pgc), 214° (psc), speed 10 knots (90 RPE). 1515 Commenced practice firing of VT projectiles.
1545 Completed practice firing, having expended 18 rounds 5\*/3\* caliber VT amunition. Set course 120° (T & pgc), 116° (psc), speed 20 knots for Wellu pass.

A. B. BOBERTSON, Jel Ens., USN

16 to 20 - Stealing as before on course 120° (T & pgc), 116° (psc), speed 20 knots, preparing to enter hellu Pass, Kwajalein Atoll. 1600 Changed course to 115° (T & pgc), 111° (psc). 1:05 Entered Kwajalein Atoll. Steaming on various courses at various speeds to conform to channel, proceeding to berth A-1, Boi Anchorage, 1631 USS TURNER broke flag of CombessonFIVE and hauled down Commission pen ant. 1632 Anchored in berth A-1, Boi Anchorage, Awajalein Atoll, karshall Islands, in 15 fathous of water with 60 fathoms of chain to the port anchor on the following anchorage bearings: Control tower 355 3/4° (T), Beacon \*C\*\* 070° (T), tower 123° (T). 1638 Let fires die out under Boiler #2. Boiler #1 in use for auxiliary purposes.

A. R. LEPHERSON Brs., USNR

20 to 24 - Anchored as before.

R. S. SKITH LL., USN

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E. B. RITTENHOUSE, Condr. . N

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| 106<br>106<br>106                                                  | 290<br>130<br>70<br>620<br>12<br>12<br>14<br>14<br>15<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16<br>16 | LUNG F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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Saturday 13 July (Deep) (Month)

0 to 4 - Anchored in berth A-1, Roi Island, Kwajalein Atoll, karshall Islands, in 15 fathous of water, with 75 fathous of chain to the port anchor, on the following anchor bearings: Radio tower 124° (T), Control tower 356° (T), Beacon \*C\* 071 (T). Boiler #2 in use for auxiliary purposes. Snips present: USS SHANGRI-LA (CV38), CHARLES F. CECIL (DD835), and small craft. SOFA: CTG 1.6, in USS SHANGRI-LA. CompessionFIVE in TURNE...

R. S. SLITH Lt., USN

4 to 8 - Anchored as before.

R. S. S. ITH Lt., USN

8 to 12 - Anchored as before. 0800 Eustered crew at quarters. Absentees: None. made daily inspection of magazines and spakeless powder samples. Conditions normal, except for a maximum recorded temperature of 156 F in 2002 ready service box #5.

R. S. SLITH
LL., OSN

12 to 16 - Anchored as before. 1350 By authorit of Navked Form "G", F2c, USN, was transferred with baggage, records. A transfer papers to U.S. Naval Base Hospital 21, Kwajalein Island, Marshall Islands, for treatment. 14.00 Lighted fires under boiler #1. 1545 Bet anchor details. 1543 Boiler #1 cut in on main steam line.

R. S. SKITH Lt., USN

16 to 20 - Anchored as before. 1610 Enderway for Point "Tare" (CJTF-1 Op plan 1-46) in obedience to ComDesRonFIVE dispatch 120815Z of July, 1986, Captain at conn, Executive Officer (navigator) on the bridge, speed 10 knots (090 RPM), standing out of Ewajalein Lagoon on various courses conforming to the channel. 1654 With buoy #1 bearing 090° (T), distant 150 yards, took departure, set course 328° (T & pgc), 324° (psc), speed 8.5 knots (75 RPM). 1710 Formed bentline screen #12 (USF 108), SHAHGRI-LA fleet center and guide; TURKER station #1 (2.5 060); CHARLES P. CECIL station #2 (2.5 300).

R. W. WIGHT Lt. (jg), DEN

20 to 24 - Steaming as before on course 328° (T & pgc), 324° (psc), speed 8.5 knots (75 RPk).

C. . OLSON Lt.(jg), USN

PRIVACY ACT MATERIAL REMOVED

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Sunday 14 July

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|                      | ; 1           | . 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | REV             |                                              | Š                                                |              | <b>CDUTE</b>                           | WIN                             | 50             | BAROM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ETER                | TEM              | PERA         | TURE                                             |                    |            |               | CLOUD        | \$                                               |            | _   |
|                      | į             | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4               |                                              | 4                                                | П            | eva I                                  | 8                               |                | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     | 4                | •            | E                                                | 2 9                |            |               |              |                                                  |            | T   |
| •                    | AVERAGE       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MAUTICAL        | TENTHO                                       | MAUTICAL<br>MILES                                | ž            |                                        |                                 | N-             | 5.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MEADING<br>AT. THER | iA,              | S.A.         | WATER<br>MAIN<br>INJECTION                       | WEATHER<br>SYMBOLS |            | FORM          |              | 9                                                | . !        | 1   |
| 100                  | 100           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | 4                                            | 35                                               | TEPTHE       |                                        | 1001                            | ij             | TANGE OF THE PARTY | 3                   | T HO             | Ž.           | 442                                              | ¥ ×                | ě.         | MICCUE        | 100H         | CER 190                                          | TO THE     |     |
|                      |               | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 | •                                            | 4                                                | •            |                                        | 1                               | •              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 19                  | 11               | 12           | 13                                               | <b>5 0</b>         | 15         | 10            | 17           | 10                                               | 10         | +   |
|                      |               | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                              |                                                  | H            |                                        | 1                               | <u> </u>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  | -            | <u> </u>                                         | -                  |            | <u> </u>      | <del></del>  | 1                                                |            | †   |
| *:                   | 83.           | 3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9               | 2                                            | 6                                                |              | 328                                    | 075                             | 5              | 29%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 76                  | 76               | 76           | 84                                               | 50 '               | сb         | A.s           | CS           | 15                                               | 075        | 1   |
| 2                    | 7.            | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8               | 9                                            | 5                                                |              | 328                                    | 075                             | 5              | 2992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 78                  | 78               | 77           | 84                                               | 3                  | cb         | 8.8           | ឌ            | 15                                               | 075        | 1   |
|                      | 80.           | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9               | 7                                            | 5_                                               | 5            | 328                                    | 075                             | 5              | 2990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 77                  | 77<br><b>7</b> 9 | 76           | 84                                               | 2_                 | <b>\$</b>  | 2.8           | C8           | 15                                               | 075        | +   |
| 4                    | 78.<br>89.    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8               | 300                                          | 5                                                | 7            | 328<br>328                             | 085<br>085                      | 8              | 2989<br>2990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 79                  | 79               | 76<br>76     | 84                                               | 3                  | ep<br>ep   | -8.8<br>8.5   | CS<br>CS     | 15                                               |            | +   |
| ÷                    | $\overline{}$ | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9               | ď                                            | _                                                | ĥ            | 328                                    | 085                             | 10             | 2992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 60                  | <b>8</b> 0 -     | 77           | 24                                               | 2                  | Teb Teb    | 25            | <b>6</b> c   | 20                                               | 085        | 1   |
| ,                    | 106           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7               | 8                                            | _                                                | 0            | 328                                    | 085                             | -19            | 2993                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 80                  | 80               | 77           | 84                                               | 2                  | eb         | 8.5           | ci           | 20                                               | 085        | 1   |
| •                    | 176           | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 18              | 2                                            | 15                                               | 5            | 085                                    | 085                             | 14             | <b>29</b> 95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 82                  | 82               | 78           | 84                                               | 2                  | cb         | 8.8           | Cì           | 20                                               | 085        | 1   |
| •                    | 210           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 24              | B                                            | 23<br>25                                         | -            | 150<br>315                             | 085                             | 18             | <b>29</b> 95<br><b>29</b> 96                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 82                  | 82               | 78<br>78     | 84                                               | 2                  | eb_        | 8.5           | ci<br>ci     | 20                                               | 085        | +   |
| 70<br>31             | 19/           | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>26</u><br>20 | 7                                            | 17                                               | <del> </del> | 315                                    | 085                             | 15             | 2993                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 83                  | 83               | 79           | 84                                               | 2                  | eb         | 8.5           | ci           | 20                                               |            | +   |
| 12                   | 193           | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20              |                                              |                                                  |              | 315                                    | 080                             | 15             | 2991                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 84                  | 84               | 79           | 84                                               | 2                  | eb         | 44            | ci-          | 20                                               | _          | 1   |
| _                    |               | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                              |                                                  |              |                                        |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  |              |                                                  |                    |            |               |              |                                                  |            | Ī   |
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| 13                   |               | 3-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 | 5                                            | <del>                                     </del> | +            | 010                                    | 080                             | 15             | 2989<br>2989                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 85                  | 84               | <b>90</b> 79 | 84                                               | 2                  | cu         | 8.5           | <del> </del> | 20                                               |            | +   |
| 18                   | 32            | 7.6<br>2.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 19              | 2                                            | <del>                                     </del> | +            | 345                                    | 080                             | 135            | 2987                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 85                  | 85               | 79           | 84                                               | 2                  | - 60       | 44            |              | 20                                               | 080<br>080 | +   |
| 116                  | 8/            | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9               | 6                                            |                                                  |              | 085 -                                  | 080                             | 15             | 2989                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 85                  | 85               | 79           | 84                                               | 2                  | cu         | 24            |              | 20                                               |            | 1   |
| 17                   |               | 3.Q                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 11              | 2                                            |                                                  |              | 078                                    | 080                             | 15             | 2990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 85                  | 85               | 79           | 84                                               | 2                  | ou         | 2.5           |              | R                                                | 080        | 1   |
| 18                   | -             | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 | L                                            | <b> </b>                                         | ╀            | 068                                    | 080                             | 133            | 2990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 84                  | 84               | 76           |                                                  | 2                  | ou         | 4.5           | ļ            | 20                                               |            | 4   |
| 19                   | ├             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 | <u> </u>                                     | ┝                                                | ╁            | 111                                    | 080                             | 28<br>28       | <b>29</b> 72<br><b>29</b> 95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 83                  | 83<br>83         | 76<br>76     | <del> </del>                                     | 2                  | Eu         | 4.5           |              | 20                                               |            | +   |
| <u>**</u>            | ├             | ᅥ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                              |                                                  | ✝            | 070                                    | 080                             | 29             | 2996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 83                  | 83               | 76           | -                                                | 2                  | cu         | 45            | <u> </u>     | 20                                               |            | +   |
| 22                   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                              |                                                  | 1            | 130                                    | 060                             | 29             | 2996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 82                  | 82               | 76           |                                                  | 2                  | cu         | -88           |              | 20                                               |            | 1   |
|                      |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                              |                                                  | L            | 107                                    | <b>08</b> 0                     | 28             | 2996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 84                  | 84               | 79           |                                                  | 2                  | cu         | 2.5           |              | 20                                               |            | Į   |
| <u> </u>             |               | -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u> </u>        | 1                                            | <u> </u>                                         | ╀            | 132                                    | 085                             | 28             | 2994                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 83                  | 83               | 85           | <del>                                     </del> | 12                 | CU         | 88            | <b>-</b>     | 20                                               | 085        | 4   |
| =                    | ITION         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | <u>.                                    </u> |                                                  | ١.           |                                        |                                 |                | NTO-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | HEAVY               | 1                | +_           | FL 74                                            | 1                  | TOR GA     | 1 4304        | 9490.        | 1                                                | we.        | +   |
|                      | HOUR          | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 44              | 77%                                          | <b></b>                                          |              | 100                                    | MITUDE                          | _              | DOE NEED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                  | 1            | ===                                              | +                  |            |               |              |                                                  |            | ۲   |
| _                    | ****          | I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                              |                                                  | _            | 166                                    | 11.018                          | -              | <b>0700/08</b> 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 155                 |                  |              |                                                  |                    |            |               |              |                                                  |            | L   |
|                      | 1900          | ╂                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 | 2.5                                          |                                                  |              |                                        | 02.14 <b>2</b><br>31.542        | _              | ATER .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16k                 | 27_              | 1            |                                                  |                    | -          | ENERAL        |              | 4 2 4 7                                          |            | L   |
| ÚF                   | ERENT         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u> </u>        | <u> </u>                                     |                                                  |              |                                        |                                 | <b>3</b>       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100                 | 90               |              |                                                  | •                  |            | MOTHER        |              |                                                  | APT        | _   |
|                      | These r       | 704                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 170             |                                              | _                                                | ر            | 3 301                                  |                                 | E              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                  | -            |                                                  |                    |            |               |              |                                                  |            | _   |
|                      |               | <b>70</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 06              | 0                                            |                                                  |              | L Jul                                  | <b>y</b>                        | 4              | STORES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                  |              |                                                  |                    | <b>∦</b> - |               |              |                                                  |            |     |
|                      | SET           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 83°             | _                                            |                                                  |              |                                        |                                 | 1 5            | RAFT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                  | NG P         | OAT                                              |                    | ╂──        | <del></del>   |              | <del>                                     </del> |            | _   |
| Ý                    | 10 CO         | MPÁ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u> </u>        | Ü                                            | S.E                                              |              |                                        |                                 | 1              | Formula                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | · '                 | - 1              |              |                                                  |                    |            |               |              |                                                  |            | _   |
|                      | -             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 112             |                                              |                                                  |              |                                        |                                 | 1              | MPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                  |              |                                                  |                    |            |               |              |                                                  | ·          | _   |
| TA                   | NDAR          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AGNI            | TH                                           | - 00                                             | MP.          | <b>155</b>                             | ٠ چيت                           | 1              | RAFT AF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | · Г. •              | MILEN            | ing r        | 13                                               |                    |            | <u> </u>      |              | -                                                | <u> </u>   | _   |
| _                    | AH            | ==                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 323             | ·                                            |                                                  |              |                                        | م <del>نواليو.</del><br>مسجورون | 1              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 344                 | 48               |              | -                                                |                    | 1          |               |              | -                                                |            | -   |
| _                    | -             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | ፯                                            |                                                  |              |                                        |                                 | 3              | AGAZIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TEMI                | KILAT            |              |                                                  |                    |            |               |              |                                                  |            |     |
|                      | SEVAT         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | R                                            |                                                  |              |                                        |                                 | 4              | MAKAMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |                  | edy.         | DOTT.                                            | ice b              | x 45       |               |              | <u> </u>                                         |            |     |
|                      |               | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _2              | 1                                            |                                                  | ÷            |                                        | MEAGE                           |                | N DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                  | 66           |                                                  |                    | ╬──        | <del></del> - |              | <del></del>                                      |            |     |
|                      |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -4              |                                              | - 4                                              |              |                                        | <b>.</b>                        | I              | ~ e.°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                  |              | -                                                |                    | 1          |               |              |                                                  |            |     |
| _                    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _               |                                              | ٧.                                               |              | e i                                    |                                 | <del>-</del> - | 4 + 'e-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |                  | 1            | , ~                                              |                    |            |               |              |                                                  |            | Ξ   |
| _                    | 70. (ME       | w                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1               |                                              |                                                  |              |                                        |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  |              |                                                  |                    | 11         |               |              |                                                  |            |     |
| =                    | TO 848        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 | _                                            |                                                  |              | -1-                                    |                                 | -              | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | +-                  |                  |              |                                                  |                    | -          |               |              | ├                                                |            |     |
| -                    |               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 | -                                            |                                                  | _            |                                        |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  | HYDR         | OGRAI                                            | HIC A              | ND ME      | TEOROLO       | GICAL        | REM                                              | ARKS       | =   |
| =                    | TO 848        | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 | 11                                           |                                                  |              |                                        | TÎ d                            | : 11           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  | IYOR         | OGRAI                                            | ню л               | ND WE      | TEOMOLO       | OGICAL       | REM                                              | ARKS       | =   |
| =                    | 10 840        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 101             | _                                            |                                                  | _            |                                        | nî i                            | 1              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ۇ. ئىي              |                  | ·            | OGRA                                             | HIC A              | ND ME      | TEOROLO       | OGICAL       | REM                                              | ARKS       | _   |
| =                    | TO 848        | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                              | $\overline{}$                                    | 1            |                                        |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | *                   | 9-1              | <b>y</b>     |                                                  | HIC A              |            | TEOROLO       | OGICAL.      | REM.                                             | ARKS       | _   |
| =                    | 10 840        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | V Control       | -                                            | _                                                | Į.           |                                        |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | **, **              | 9-1              | <b>y</b>     |                                                  | HIÇ A              |            | TEOROLO       | SICAL        | REM                                              | ARKS       | _   |
| -                    | 10 840        | The state of the s | V Control       | _                                            | _                                                |              |                                        |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | *                   | 9-1              | <b>V</b>     |                                                  | -HIC A             |            | TEOROLO       | SGICAL.      | SEM.                                             | ARKS       |     |
| AL.                  | 10 840        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 | 7                                            | 2                                                |              |                                        |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | * **                | 9.               |              |                                                  | PHIC A             |            | TEOROLO       | XICAL        |                                                  | ARKS       |     |
| 1 3 4 3 4            | 10 840        | 7777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100 M           | 7777                                         | 2 2                                              |              | 4                                      | 1111                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | * **                | 9-1              |              |                                                  |                    |            | TEOROLO       | XICAL        | PEM.                                             | ARKS       |     |
| 1 3 4 5              | 10 840        | 77777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100 M           | 777                                          | 2 2                                              |              | A                                      | 7                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | 9-1              |              |                                                  |                    |            | TEDROLE       | ogical.      |                                                  | ARKS       |     |
| 3 4 5                | 10 840        | 77777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 | 7777                                         | 2 2                                              |              | 4                                      |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  |              |                                                  |                    |            |               | DGICAL       |                                                  | ARKS       |     |
| 1 3 4 5              | 10 840        | 77777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 | 7777                                         | 2 2                                              |              | A                                      |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  |              |                                                  |                    |            |               |              |                                                  | ARKS       |     |
| 4 3 4 5 7 7 T        | 10 840        | 77777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 | 7777                                         | 2 2                                              |              | A                                      |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  |              |                                                  |                    |            |               |              |                                                  | ARKS       |     |
| A 1 4 3 4 5 7 7 9 10 | 10 840        | - TTTTT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 | - 7777777                                    | 22222                                            |              | ## ## ## ## ## ## ## ## ## ## ## ## ## |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  |              |                                                  |                    |            |               |              |                                                  |            |     |
| 4 7 4 7 7 7 7        | 10 840        | - TTTTT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 | - 7777777                                    | 222222                                           |              | A                                      |                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                  |              |                                                  |                    |            |               |              |                                                  |            |     |

MAYPERS 194 (REV. 15-45)

UNITED STATES SHIP TURNES (DD834) SUNDAY 11 July 10 66 (Dog) (Dog) (Month)

O to 4 - Steaming enroute Boi Island, Kwajalein Atoll, marshall Islands to Point Tare (CJTF Operations Plan #1-46), in company with USS SHANGRI-LA (CV38) and CHARLES F. CECIL (DD835).

SHARKI-LA (CTG 1.6, OTC) guide and in disposition center. Destroyers in bent line screen #12 (USF-10F) as follows; TURNER in station #1 (2.5 960), CHALLES P. CECIL in station #2 (2.5 300).

Composition TURNER. Fleet course and axis >280 (T & pgc), 3250 (psc), speed 8.5 kmots (75 RPm). Steaming on boilers #1 and #2. Regular cruising watch and material condition "Bakker" set.

S. SEITH Lt. (1g), USN

4 to 8 - Steaming as before on course 328° (T & pgc), 325° (psc), speed 8.5 kmots (75 RPL).
0548 Sighted Sifu Island, Ailinginae Atoll bearing 353° (T), distance 14 miles. 0615 Changed speed to 12 kmots (108 RPL). 0700 Changed speed to 21 kmots (204 RPL). 0702 Passed Sifu Island, abeam to starboard distance 10.8 miles. 0730 USS SHANGRI-LA commenced flight operations. Flight course 085° (T & pgc), 077° (psc). Proceeding to plane guard station #2, on various courses at various speeds. Stationed plane crash detail. 0735 On plane guard station #2 (2350).
0736 USS SHANGRI-LA commenced launching planes. 0750 changed flight course to 095° (T & pgc), 088° (psc).

OP. M. Willey Lt. (JB), SEL

8 to 12 - Steaming as before in plane guard station \$2 on course 095° (T & pgc), 088° (psc).
0800 Mustered crew on stations. Absentees: None. 0805 USS SHANGRI-LA completed flight operations.
0808 Departed from USS SHANGRI-LA proceeding to point "Able" in accordance with operation order on course 150° (T & pgc), 149° (psc), speed 27 knots (270 RPL). 0957 Changed course to 315° (T & pgc), 313° (psc). 1001 Changed speed to 20 knots (194 RPL). 1027 Made daily inspection of magazines and smorteless powder samples. Conditions normal, accept for ready service box #5 with a mamimum recorded temperature of 105°F.

G. W. OLSON Lt. (jg), USN

12 to 18 - Steaming as before on course 315° (T & pgc), 313° (psc), speed 20 knots (194 RPk).
1319 Sighted Enyu Island bearing 323° (T), distant 12 miles. 1353 Stationed special sea detail.
1355 Changed source to 343° (T & pgc), 340° (psc). 1356 Changed speed to 15 knots (140 RPk).
1359 Entered Rikini Lagoon on various courses conforming to the channel. 1405 Lying to while whileboat makes trip to Harbor Entrance Control Vessel and seturned. 1450 Resumed standard speed proceeding to anchorage. 1522 Anchored in berth 144 (A), Bikini Lagoon in 27 fathoms of water, coral bottom, with 45 fathoms of chain to the port anchor on the following bearings: Beach "C" 101 (T), Beacon "D" O412° (T). 1555 Secured special sea detail and set regular in port watch.

HBRHUTEN 97.
H. B. BOBERTSJI, Fr.

## ADDITIONAL REMARKS

16 to 20 - Anchored as before. 1615 Pursuant to BuPers order #31541-JAM-ID of 17 June 1946 Ensign Sidney Albert SMAIL. USER, reported for duty on board this vessel. 1655 Pursuant to CTF-1 dispaten, serial 102339, 6f 11 July 1946, DONELSON, Theodore Wayne, CPHL, USER, reported on board f r duty with beggage, records and transfer papers. 1808 Stationed anchor detail. 1826 Underway from berth 144-A Bikini Atoll, proceeding on various courses at various speeds to assigned berth. 1837 Anchored in berth 247, Bikini Atoll in 30 futnoms of water, coral pottom, with 75 fathous of chain to the port anchor, on the following bearings, Beacon "A" 115 (T). Beacon "B" 1112° (T), and LT Enyo 129° (T). 1846 Secured anchor detail, set regular in port water. 1847 Let fires die under bother #1, Boiler #2 inequae for auxiliary pursoses.

R. W. WI Lt. (jg), Si

20 to 24 - Anchored as sefore.

R. W. WITE Lt. (jg), SE

PRIVACY ACT MATERIAL REMOVED

OVED:

Comdr.

H. H. WARD. 3rd. It.

NAVIGATOR

(DD\$34) LOST OF THE UNITED STATES S AT / REFERENCE Bikini Atoll RITTENHOUSE Concander BAROMETER CORRECTED WIND CHINE タ. C.) THE PARTY OF CLOUDS TÉMPERATURE AVERAGE AVERAGE AVERAGE WEATHER BY MBOLS DAY BULL HALTE WET Sice MEADING AT. THER. HATE THE PERSON IN Libw MICOLE нан -4 4 -70 7 11 12 . \* 14 2 15 16 17 18 30 2991 83 112 **68**5 2.5 104 2990 81 81 61 098 cu 20 100 15 104 2989 81 81 AΩ 098 CU 100 120 2989 81 81 60 CÁ ci 99 098 095 99 095 100 2990 81 81 R1 .095 GU ci • 115 30 2993 81 81 75 99 095 CU .095 7 100 30 **29**96 83 83 76 50 095 en 10 7.4 105 2998 84 84 79 88 20 095 095 cu 79. 078 2999 84 BI. 095 095 cu 85 70 200 2997 87 87 79 095 CU 8.6 im 2997 87 87 2 20 095 \_\_\_\_\_\_ 80 86 095 cu 2994 87 2 099 87 80 cu 8.5 100 ₿ 12 300 745 13 2994 87 20 cu 093 100 87 RO 032 100 18 **29**92 86 86 80 2 çu 25 20 100 2990 89 61 85 20 100 132 89 CLL 8 19 100 \_ 10 115 2990 87 87 79 CL 45 2 100 100 20 100 20 100 17 130 2990 84 **7**7 cu 8.5 96.5 SJ. 100 **29**92 83 137 . 10 117.2 12 9 9 100 83 77 84. 2 CU 88 137 82 77 20 100 19 117. 13 2994 82 84 cu 88 100 20 100 137 2996 81 12 9 81 41 cu 116 9 100 78 45 12 9 137 18 2996 81 81 78 20 100 21 116.8 9 BI. CU 2.0 100 79 137 2996 81 81 20 100 117 13 10 RI. . 100 CU . 116.3 137 100 20 2994 81 81 79 çù 20 100 137 104 20 2993 81 116:0 12 78 .  $\mathbf{m}$ CU DESERT, FUEL MOTOR GASO. AVIA. GASO. SHIP LUB. POSITION HOUR AATITUDE LONGITUDE 165°31.5% 165°31.5% 165°56.08 11°34'N 11°34'N 11°01'N 9399 198053 WATER GENERAL DRILLS AND EXERCISES DETLED 10370 CURRENT AFTERNOON Stearing casu -DANT SEFORE LEAVING PORT TYRO COMPARE IN LINE formito : STANDARD MAGNETIC COMPANY DRAFT AFTER ENTERING PORT MAGAZINE TEMPERATURES Salbent 11007 ready service ------Tai ... 14 **3** -ું 🕶 17 . • . 15 • 1171 --27 W. E. BARD, 3rd., BL., MANGATON

35

UNITED STATES SHIP TURNER (DB31) FONDS 15 July 18 46

0 to 4 - Anchored in berth 247 Bikini Atoll in 30 fathoms of water, coral bottom, with 75 fathoms of chain to the port anchor on the following anchorage bearings; Beacon "A" 145 (T), Beacon "B" 111-0 (T), and Lt. ENVO 1290 (T). Boiler #2 in use for auxiliary purposes. Ships present; Various units of the United States Flect and small craft. SOPA: CUTF-1 in USS MT. McKINLEY (AGC 7). ComDesRonFIVE in TURNET.

A. W. WIGHER Lt. (jg), UST

1 to 8 - Anchored as before.

R. W. (IGLET) Lt. (jg), SSP)

8 to 12 - Anchored as before. O800 nustered drew at quarters. Absentees: None. 0945 Lightld fires under boiler #1. 1000 Pursuant to article D-7017 (1) BuPers Manual the following named men reported on board this wessel for duty, with sea bags, records and transfer papers.

ROBERTS, Jarad Sibley, SMGc USN
TAYLOR, Resert Bugens, Slc USN
REJ, Thomas Joseph, S2c USN
FARALA, Napoleon (0), StMGc USN

1015 Stationed special sea detail. 1000 under may from Berth 247, proceeding to USS CHIKASKIA (A054) for refueling, steering various courses at various speeds. 1055 Moored starboard side to portside of USS CHIKASKIA (A054) in berth 268, Bikini Atoll. 1100 Pursuant to CTG 1.2 orders P16-4/00 (91:CR), It. W. L. CALDWELL, USN, reported on board for temporary additional duty on ComDesRonFIVE staff. 1100 Pursuant to ComDesRonFIVE dispatch 1407342 of 15 July 1946, the following named men reported on board this vessel for duty with baggage, records and transfer papers.

ROLL.O, Sam (n), CFC USN
DAVIS, Ira J., GM2c USN
SLIANTS, Robert F., Slc USN

1105 Commenced fueling ship. Drait of ship forward 12' and aft 14'6". 1140 Completed fueling ship having received on board 41079 gallons of fuel oil, at 60°F. Draft of ship forward 13', aft 14'. 1145 Underway from alongside USS UNIKASKIA (A054), proceeding to anchorage on various courses and at various speeds. 1155 Anchored in berth 247, Bikini Atoll in 27 fathoms of water, coral bottom, with 75 fathoms of chain to the port anchor on the following anchorage bearings: Beacon "B" 115 3.4° (T), RT EMU Island 113° (T), LT ENNU Island 132° (T). 1157 Secured special sea detail, set in port watch. Made daily inspection of magazines and amokeless powder samples. Conditions normal, except for a maximum recorded temperature of 110°F in 2001 ready service box #5.

A. M. Wieler H. n. MICHAELLE. (jg)

12 to 16 - Anchored as before. 1545 Made all preparations for getting underway.

H. B. BOBERTSON, JF.

PRIVACY ACT MATERIAL REMOVED

EXAMINED

B. B. PITTEDHOUSE COMP

TrumBe (

MAVIGATOR

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TED

TURNER (DD834)

ADDITIONAL REMARKS

16 to 20 - Anchored as before. 1617 In obedience to CTG 1.6 dispatch 140446Z of July 1946, got underway in company with USS SHANGRI-IA (CV38)(CTG 1.6) and CHARLES P. CECIL (DD835), for Roi Bland, Kwajalein Atoll, Marshall Islands. Draft forward 13', aft 14', steeming on various courses and at various speeds to conform with channel. Captain at comm, Executive Officer (navigator) on the bridge. Sortie order: TURNER, CECI., SHANGRI-IA. 1647 With buoy "2" bearing 078° (T). distant 400 yards, took departure. 1653 Set fleet course and axis 137° (T & pgc). 1370 (psc). speed 12.5 knots (113 RF\_). Formed bent line screen #12 (USF 10B), with SHANGRI-LA guide and disposition center, with destroyers stationed as follows: TURNER in station #1 (2.5 0.0), CECL an station #2 (2.5 300). 1950 Fire on fantail. 1955 Secured from fire. Movie film in movie projector caught fire, da aging machine and burning gun blocker on left gun of 5#/38 Cal. mount #3.

> R. S. SLITH Lt., USN

20 to 24 - Steaming as before on course 137° (T & pgc), 137° (psc), speed 12.5 knots (113 RPM). 2150 Conducted steering casualty drill. 2201 Secured from steering casualty drill.

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NAVIGATOR

U. S. N

INDING

14

| er ED | STATES | SHIP | TURNE: | (DD83/ |
|-------|--------|------|--------|--------|

Tuesday

0 to 4 - Steaming in company with USS SHANGRI-L. (CV38)(CTG 1.6)(OTC) and USS CHARLES I. CECIL (DB35), enroute Bikini Atoll to Roi Island, Kwajalein Atoll, under boilers #1 and #2, in cent line screen #12 (USF 10B) as follows: SHANGRI-LA guide and in disposition center; TURGER in Station -1 (2.5 060); CECIL in station #2(2.5 300). ComDeskon FIVE in TURNER. Fleet course and axis 1370 (T & pgc), 137° (psc), speed 12.5 knots (117 RPL). Regular cruising water and material condition "Baker" set.

> G. W. OLSON Lt.(jg), USN

4 to 8 - Steaming as before on course  $137^{\circ}$  (T & pgc),  $137^{\circ}$  (psc), speed 12.5 knots (117 RPL). 0555 Changed fleet speed to 20 knots (194 RPL). 0610 Sighted 1 and bearing  $183^{\circ}$  (T), distant 15 miles. O615 Changed fleet speed to 20 kmots (194 km/L). O610 Signted 1.nd bearing 183° (T), distant 15 miles. O615 Changed fleet speed to 24 kmots (237 RPL). Commenced steaming on various courses to take plane guard station #1 (2-170 from guide) for aircraft recovery operations. Flight course 110° (T). O624 Completed flight operations. Changed formation course by simultaneous turn movement to 141° (T& pgc), 139° (psc), speed 15 kmots. O637 Formed column astern of USS SHANGRI-LA and anead of USS CECIL, distance 1.000 yards. O703 Proceeding independently, prior to entering Roi Island anchorage. O708 Changed course to 170° (T& pgc', 171° (psc). O717 Changed speed to 10 kmots (90 RPL). O720 Stationed anchor details. O729 Passed busy #1 abeau to starboard, distant 100 yards. Commenced steaming various courses, at various speeds conforming to channel. Proceeding to Roi Anchorage. 0758 Anchored in Berth Al, Roi Anchorage, Kwajalein Lagoon, in 27 fathoms of water, coral bottom, with 75 fathoms of chain to the port anchor, on the following bearings: Radio Tower 124° (T); Control tower 356° (T); Beacon "C" 071° (T).

> HS/Cobutson On H. B. BOBERTSON, Jr. Ens., USN

8 to 12 - Anchored as before. 0800 Mustered crew at quarters. No absentees. 0803 Secured anchor detail and set regular in post watch. 0805 Let fires die out under boiler #1. Boiler #2 in use for auxiliary purposes. 0835 Lt.Comdr. J. D. WHARTON (EC), USN, and Ensign R. R. HARRISON (HO), USN, came on board to conduct medical survey for dysentery. 1130 Made daily inspection of magazines and smokeless powder samples. Consitions normal, except for ready service boxes #5 and #6, overheaded to a temperature of 105 F. 1140 Medical survey party departed.

H. B. ROBERTSON, Jr.

12 to 16 - Anchored as before. 1330 By authority of NavKed Form "G" the following men were transferred to U. S. Base Hospital #21, Kwajalein Island, with records and bags for treatment: MOG, Everett, George, MALC USN AUSTIN, Cyril K., DSN

## PRIVACY ACT MATERIAL REMOVED

16 to 20 - Anchored as before.

20 to 24 - Anchored as before.

TURNER (DD834) LOG-OF THE UNITED STATES SHIP \_\_ Benesday 17 July AT / Briston Boi Ancharage, Basialein etall B. RITTENHOUSE Commander \_U. S. N. COMMANDING BAROMETER CONNECTED WIND REVS. TEMPERATURE CLOUDS WEATHER BY MBOLS Office Sing WET BULL erro.I PORM CERTING LOW MICOLE • • -14 -2.5 0 CU 61 79 96 CU 8.8 21.0 CU -11 8.5 CI1 21.2 8.5 21.0 cu <u> 255</u> Cu 8.5 60 Bi cu cu 8.5 3002 86 86 81 16 260 **CU** 6 8.8 26. ¢υ \*.H. bu 90 81 -00 À 6. 2998 88 88 80 ۟ 16 310 4.8 B2 80 Cp Ð 2996 82 ₽b 82 80 3000 81 en 34.0 DIЗ 31.0 31.0 **GU** <u> #</u> B 3:03 60 cu 37.0 -3002 80 œ 326 340 3002 80 80 77 POSITION HOUR 90231N 167028.7'E -9023 TN 167°28.74 167°28.74 9°23 IN GENERAL DRILLS AND EXERCISES CURRENT General Quarter Drill. JEH HAND 29525 DRAFT BEFORE LEAVING PORT Flag hoist dri GYRO COMPAGE IN USE DRAFT AFTER ENTERING PORT β°1 5°1 MAGAZINE PERATURES ... ready service b DEMENSED BUN DATA-TO 04 Wind veered from southwest to northwest in - twelve hours. -Occasional showers throughout Ę . . = -. بر. د • ...... .. ----• --n . I. E. MID. 9rd. 4 -

Wednesday 17 July ...

0 to 4 - Anhhored as before in berth A-1, Hoi Island, Kwajalein Atoll in 27 fathoms of water, with 75 fathoms of chain to the port anchor, on the following bearings: Control tower 355°(1), Figure 100 tower 022°(T), Tower 339° (T). Boiler #2 in use for auxiliary purposes. Ships present USS SHANCRI-IA (CV36), USS CHARLES P. CECIL (DD835), SOPA: CTG 1.6 in SHANGRI-IA. Co.DeshonFIVE in TURLER.

F. ROTH Lt.(jg), USN

4 to 8 - Anchored as before.

F. F. H. Lt. jg), USA

8 to 12 - Anchored as before. 0815 Want to General Quarters for drill. 0915 Secured from General Quarters. 1015 by authority of MavMed Form MGM the following men were transferred to the United States Naval Base Mospital #21, Kwajalein Island, with records and bags, for treatment.

119410., a. I., OLOUGH**EY**, W. A.,

MAYPERS 194 (REV. 11-46

GL3 S2 usn Usn

hade daily inspection of magazines and amoxeless powder samples. Conditions normal, except for ready service boxes #5, #6, #2, and Blight with a maximum recorded temperature of 110°F.

P. ROTH Lt.(jg), USN

12 to 1/2 - Anchored as before.

R. S. SLITE Lt., USN

16 to 20 - Anchored as before.

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B. S. S. ITH

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20 to 24 - Anciered as before.

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UNITED STATES SHIP TURNER (DD834)

Thursday 18 July

0 to 4 - Anchored in berth 4-1, Roi Island, Kwajalein Atoll, Marshall Islands, in 27 fathoms of water, coral botto, with 75 fathoms of chain to the port anchor, on the following anchor bearings: Radio tower 12.0 (T), Control tower 356 (T), Beacon "C" 071° (T). Boiler #2 in use for auxiliary purposes. Ships present: USS SHANIRI-LA (CV38), CHARLES P. CECIL (DD:35), and small craft. SOFA: CTG 1.6 in SHANGRI-LA. ComDesRonFIVE in TURNER.

A Amul R. S. SLITH Lt., USE:

4 to 8 - Anchored as before.

R. S. SLITH Lt., USN

8 to 12 - Anchored as before. 1000 TAYLOR, R.E., Slc, USN, was transferred with baggage, records and transfer papers to United States Naval Base Hospital 21, Kwajalein Island, Marshall Islands, for treatment. Authority: NavNed Form "G". Made uaily inspection of magazines and smokeless powder samples. Conditions normal, except for overheating in 2000 ready service boxes #1, #3, #5, and #6, with a maximum recorded temperature of 108°F in pox #6.

R. S. SMITH

12 to 16 - Anchored as before. 1355 Lighted fires under boiler #1. 1525 HOPSON, John D., CPHMA, 385 89 19, USN, was transferred with baggage, records and transfer papers to United States Naval Air Base, Roi Island, Marshall Islands, for further transfer to Receiving Station, Seattle Washington for discharge in accordance with BuPers article D-9102, paragraph #2. 1540 Stationed anchor detail. 1545 Cut in boilers #1 and #2 on main steam line. 1550 The following named men reported back to duty on board this vessel from United States Na.al Base Hospital 21.

|                              | or them outlood compose water pump noopto |     |
|------------------------------|-------------------------------------------|-----|
| Ensign Donald W. KHLEY,      |                                           | usn |
| FREER, Bertrand R.,          | Salge                                     | USN |
| GILL, Thomas (n).            | Slc                                       | USN |
| REID, Hersert L.,            | <b>S</b> 2c                               | USN |
| OLSON, Earl A                | S2c                                       | USN |
| MUELLER, Fred C., Jr.,       | Slc                                       | USN |
| KRAACK, Fred J.,             | Slc                                       | USN |
| WHITE, Perry (n).            | Flc                                       | usn |
| DILLISTONE, Herbert W., Jr., | 82c                                       | USN |
| LIND, Wallace E              | M/2c                                      | usn |
| PATTERSON, Bruce R.,         | 82c                                       | USN |
| PAWL/SKI, Joseph J.,         | \$2c                                      | USN |
| AVERETTE, Airtis E           | Slc                                       | USN |
| GARSEE, Kitchel (n).         | 82c                                       | USN |
| SCHEFER, William H           | - <b>S</b> 2c                             | USN |
| PALEER, Raymond E.           | Slc                                       | USN |
| ARTHUR, Herman, K            | Slc                                       | USN |
| HALL, Howard W.              | CYT                                       | USN |

PRIVACY ACT MATERIAL REMOVED

R. W. Wight Lt. (ig), US

E. R. RITTENHIUSE COM

Wherala N

16 to 2. - Anchored as before. 1619 Got underway for point "Tare". (CUTF-1 Op plan 1-46) in obedience to ComDesRonFIVE dispatch 17.845Z of July 1946, Captain at cont, Navigator on the bridge, sta dard speed 15 knots (140 RPM), standing out of Kwajalein Lagoon on various courses conforming to the channel. 1658 With Buoy #1 bearing 073° (T), distant 150 yards, took departure, set course 327° (T & pgc), 325° (psc), speed 10 knots (90 RPM). Formed bent line screen, #12 (USF 108) with SHANGRI-LA guide at fleet center, TURNER station #1 (2.5 060), CECIL station #2 (2.5 300). Secured anchor detail.

H. B. RUBERTSON, ST. Brs., USN

20 to 2% - Steaming as before on course 327° (T & pgc), 325° (psc), speed 10 knots (90 RPk). 2100 Changed fleet course and axis to 325° (T & pgc), 323° (psc). Changed fleet speed to 9.5 knots (85 RPk).

R. W. WILES Lt. (jg), SEN

Isl H. 1

<u>.</u>D

46

Hunda

TURNER (DD834) Priday INCITED STATES SHIP

O to 4

Steaming under boilers #1 and #2, on course 325° (T & pgc), 323° (psc), standard speed 15 kmots (140 RPH), steaming at 9.5 kmots (065 RPH), enroute Boi Island, Kwajalein Atoll to sea for renearsal of "Baker" day operation, in company with USS SHANGRI-LA (CV38)(CT3 1.6)(OTC) and WISS CHARLES P. CECIL (DD835) in bent line screen formation #12 (USF 10B) as follows: SHANGRI-14 Fleet center and guide; TURNER (ComDesRonFIVE) 2.5000; CECIL 2.5300. Regular crising watch and material condition "B" set.

4 to 8

steaming on various courses at various speeds to take plane guard station #2 (2350), flight course 130 (T& pgc), 128 (psc). Commenced flight operations. 0735 turned to 310 (T & pgc), 300 (psc). Completed flight operations. 0751 changed formation speed 12 kmets (108 RP\_).

8 to 12

Steaming as before on course 310° (T & pgc), 308° (psc). 0801 turned to 130° (T & pgc), 128° (psc). 0819 changed fleet speed to 20 knots (194 RPM). 0822 stationed plane crash detail. 0825 changed fleet speed to 24 knots (237 RPk). 0827 USS SHANGKI-IA commenced flight operations. 0830 changed flight course to 145° (T & pgc), 147° (psc), took plane guard station #2. 0841 turned to 135° (T & pqc), 137° (psc). Changed fleet speed to 20 knots (194 RPK). Campleted flight operations, secured plane trash d-tail. Made daily inspection of magazines and smokeless powder samples. Conditions normal with exception of a recurded temperature reading in 2000 ready service box #5 of 1140F. Ready service boxed #3, #4, and #6 were also overheated.

12 to 16

Steaming as before on course 138° (T & pgc), 137° (psc), speed 20 knots (194 RPE).

1244 SH.NGRI-LA launched two planes by estabult for use in towing targets. 1252 Formed column, distance 500 yards. Order of ships: SHANGRI-LA, TURNER, and CECIL. 1300 changed course to 1650 (T&pgc), 1630 (psc). 1320 changed course to 1420 (T&pgc), 1410 (psc). 1329 commenced practice firing of 40kW and 20kW machine gun batteries, towed sleeve target, "Charlie-Tare" type runs. 1416 completed firing of machine gun batteries: 312 rounds of 400% and 1246 rounds of 20.11 am unition expended. No casualties. 1425 increased distance to 1000 yards. 1433 changed speed to 15 km sts (140 RPM). 1450 sighted Mellu Island bearing 140° (T), distant 7 miles. 1600 anchored in berth 4-1, Roi Anchorage, Kwajalein lagoon, in 27 lathous of water, coral bottom, with 75 fatnoms of chain to the port anchor, on the following bearings: Control tower  $3351^{\circ}(T)$ , Radio tower  $1242^{\circ}(T)$ , and beacon \*C"  $073^{\circ}(T)$ .

Anchored as before. 1604 secured anchor detail, set regular in port watch. 1631 let fires die under boiler #2. Boiler #1 in use for auxiliary purposes.

B. W. HIGHER It. (1g), US)

Anchored as before. 1910 Lt. Comdr. J. D. WHARTON, (MC), USN, and Ensign R. E. HARRISON (HC), USN, came on board to conduct begical survey of crew for disentery. 2335 medical survey party left the ship.

747 Kwalle

| T / #                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| >**E                      | DESCR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| YA                        | RENT<br>THE PI<br>SET<br>DRIFT<br>O CON<br>ERROR<br>NDARE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| YA                        | RENT<br>TIME FI<br>TO CON<br>ERROR<br>NDARE<br>COMPAI<br>& PL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PASS I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N U          | 15E<br>10 00<br>1450                             | MP<br>E                     | 16                                                 | 7°2                 | 8.6'E                                   |                                         | PAPT APT AAGAZIN MANMUM | TER 8                      | 500<br>71<br>135<br>LEAV                           | TURE                                             | PORT                                             |                          |               |                   |                                                  | B ANI    |                                         |                 |
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| YA                        | SECT THE FT THE  | 9°23  MCBI  MPASS I  L21  D MAGN  MON  MAL  MERGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N U          | 165°<br>3°<br>8°                                 | E E                         | 16                                                 | 7°2                 | 8,6'E                                   |                                         | PAPT AP PORMAR APT AAGAZIN MAKMU MINIMUS JN DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TER 8                      | 135<br>LEAV                                        | TURE                                             | PORT                                             | ce bo                    |               |                   |                                                  | E ANI    |                                         |                 |
| YA                        | SECONDERSON  RENT THEE FI SET DRIFT O CON EXTROR NDARE COMPAI 6. PL EXTROR VARIATI SEVIAY  10. (SECONDERSON  10. (SECOND | 9°23  MCBI  MPASS I  L21  D MAGN  MON  MAL  MERGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N U          | 165°<br>3°<br>8°                                 | E E                         | 16                                                 | 7°22                | 8.6'E                                   | 6 P P P P P P P P P P P P P P P P P P P | PAPT APT AAGAZIN MAKMUU MINIMUS 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TER 8                      | 500<br>71<br>135<br>LEAV<br>PERA<br>100<br>MARIN   | TURE                                             | PORT                                             | ce bo                    | × #6          | MORNIN            |                                                  |          | APTO                                    |                 |
| YA                        | PRENT THE PI SET TORIFT OCOMPA EXHOR VARIATI SEVIAY TO SURE TO | MAPASS I LET MARKET MAR | N U          | 243<br>165°<br>3°<br>8°                          | E E                         | 16                                                 | 7°22                | 8.6'E                                   | 6 P P P P P P P P P P P P P P P P P P P | PAPT APT AAGAZIN MAKMUU MINIMUS 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TER S                      | 500<br>71<br>135<br>LEAV                           | TURE                                             | PORT<br>S<br>SETVI                               | e bo                     | 2 #6          | TEOROL            | OGICAL                                           | REM      | APTE                                    | RHOO            |
| TAI                       | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PASS   L21 D MAGN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| YA                        | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MPASS I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | N U          | 2/3<br>1/65°<br>30°<br>5°                        | E                           | ASS                                                | 7°22                | S.6'E                                   | 6 P P P P P P P P P P P P P P P P P P P | PAPT APPOPULATION DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D 11                       | 500<br>71<br>235<br>LEAV<br>NTER<br>PERAA<br>1 Tes | TURE                                             | PORT<br>S<br>SETVICE<br>ROGRA                    | PHIC compl               | #6            | TEOROL            | ogical<br>the ci                                 | REM      | APTE APTE APTE APTE APTE APTE APTE APTE | ine             |
| YA                        | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PASS   L21 D MAGN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| YA TAI                    | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| YA TAI                    | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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                                                                                                                          | W ET         | 2/3<br>1/65°<br>30°<br>50°                       | E                           | 16<br>16<br>18                                     | 7°22                | S.6'E                                   | E D RILL                                | PAPT APPOPULATION DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| TAI                       | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| TAI                       | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| TAI                       | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Y A 1 2 3 4 5 6 7 0       | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Y R 1 2 3 4 5 4 7 0 9     | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| TAI 1 2 2 4 5 6 7 0 10 11 | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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                                                                                                                          | W ET         | 2/3<br>1/65°<br>30°<br>50°                       | E                           | 16<br>18<br>18<br>18<br>19<br>20<br>21<br>22<br>23 | 7°22                | S.6'E                                   | E D RILL                                | PAPT APPOPULATION DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| TAI 1 2 3 4 5 6 7 0 10    | MED THE PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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34 44 - 24

V.M. 1. 140

TURNER (DD834)

Saturday (Der)

0 to 4 - Anchored in berth 4-1. Boi Island, Awajalein Atoll, Harshal Islands, in 27 fathoms of water, coral bottom, with 75 fathoms of chain to the port anchor, on the following anchorage bearings: Control tower 355% (T), Radio tower 1242° (T), and beacon "C" 073° (T). Boiler #1 in use for auxiliary purposes. Ships present: USS SHANGRI-LA (CV38) and the USS CHARLES P. CECIL (DD355). SOPA: CTG 1.6 in SHANGRI-LA. ComDesRonFIVE in TURNER.

4 to 8 - Anchored as before.

g ot 12 - Anchored as before. 0800 kustered crew at quarters. Absentees: None. 0852 \*ne Captain held mast and assagned punishments as follows: RATE SERVICE NO.

NAME

OFFENSE Shirking duty. Disobedience PURISHLENT Deck Court Martial.

DOREMUS, Gerald Slc

from muster. Absent from special sea detail. 0935 Pursuant to Wavwed Form "G", OLSON, Earl A., S2c, USN, was transferred to United States Base Hospital 21, Kwajalein Island, Marshall Islands, for medical treatment and disposition, Made daily inspection of magazines and amokeless powder samples. Conditions normal.

of orders, unauthorized absence

12 to 16 - Anchored as before.

H. B. ROBERTSO.., Ens., USN

16 to 20 - Inchored as before.

Las., USN

20 to 24 - Anchored as before.

B. ROBERTSON.

PRIVACY ACT MATERIAL REMOVED

Howards

Torital

(DOS34) (Neme) Sunday 21 July (Date) (Month, AT (TISSEEL COME) - Rod Island B. RITTENHOUSE Commander ZONE DESCRIPTION \_ U. S. N. BAROMETER (CORRECTED) WIND (TRUE) LOG TEMPERATURE REVS. CLOUDS MAUTICAL MILES TENTHS WEATHER BY SYMBOLS MAUTICAL MILES TENTHS SYRO X MEADING AT THER PROVING FROM FORM DRY BUL HEIGHT INCHES WET BUL MAG..... Gardina vitab) ₩. MIDDLE HIGH 4 3 11 12 16 17 18 19 200 41 21.7 257 150 **299**9 81 150 08 05 03 2978 2 <u>cu</u> 22 8 167 150 3 29.7 81 81 2: 150 81 80 150 2996 £1 ha. 150 cu 172 29-8 81 81 80 hκ 7 CD 155 82 82 £. 2998 сu 8 146 150 6 83 | 83 2 2999 82 Cil B 20 160 2000 85 85 82 150 7 6 CH A.q. 158 150 . 2999 85 85 CII 159 150 10 6 85 85 82 2 2939 CH 2.5 2999 85 85 81 2999 85 85 81 T 159 76 750 \_\_\_\_\_ À cu 2.5 150 7 12 CH P.M. 13 167 150 2999 90 91 9 1150 7 2998 91 91 92 153 150 14 2 CI1 <u> 61</u> 7\_ AS. 2998 92 92 93 150 15 146 150 7 8 cu 8.5 2998 92 92 91 2998 87 87 88 16 136 150 ከል 150 7 R Č12 2.5 153 118 B 17 2 cn 94 8 as 3000 85 85 83 84 10 136.0 14 8 321 310 315 20 8.8 182.4 1E 9 171.1 17 9 19 321 310 300 84 84 82 3 (2) 85 3002 83 83 81 84 310 25 321 16 315 -3 2 CIL as. 6 3902 82 82 80 84 3002 82 82 80 84 21 210.6 22 8 321 310 <u>cu</u> 85 <u>= 133.2 14 5</u> 321 310 315 ī 84 2 h6 6 CIL 23 310 3002 82 82 80 n 130.8 14 3 321 1 84 2 16 cu 6 **≈** 133.0 14 4 321 310 3000 82 82 81 84 cu 28 POSITION GALLONS MEANY PUEL DIRECT PUEL MOTOR GASO, AVIA GASO, SHIP LUS. LONGITUDE LATITUDE HOUR RECEIVED 9°23'N 9°23'N 167°28.7'E 167°28.7'E EXPENSED 8594 ON HAND 160758 9041.5'N 167°08'E WATER GENERAL DRILLS AND EXERCISES 2000 CURRENT DISTILLED 8280 (squar) -12336 10 867 ON HAND 27379
DRAFT BEFORE LEAVING PORT DOLET GYRO COMPASS IN USE ERROR 121W STANDARD MAGNETIC COMPASS DRAFT AFTER ENTERING PORT COMPASS NO. 112/3 A. M. 321° 4 MAGAZINE TEMPERATURES 5°E 6°E MAXIMUM 10007 ready service bx#6 WARLATION MINIMUM . 700 p BEVIATION 201 PRUM MO. (SEETHAL) TIME TO BUSINESSE HYDROGRAPHIC AND METEOROLOGICAL REMARKS Property Party of the Party of TRACE BANK TRACE TRACE (In Passa) (In Passa) (In Passa) (In Passa) 2 2 2 2 2 2 22 23 24 55. 25 13 2 14 3 18 16 17 . 14 . 19 . 0 0 21 • 22 0 22 0 10 22 22 0 22 0 H. H. WARD, 3rd., Lt., U.S.N. 20 22 **2**2 0 24 12 NAVIGATOR

TO BE FORWARDED DIRECT TO THE BUREAU OF NAVAL PERSONNEL AT THE END OF EACH MONTH

150 ....

TURNER (IDE34)

Sund-y (Maria)

MAYPERS IN TREY, 11-45

Anchored in berth A-1, Roi Anchorage, Kwajalein Atoll, Marshall Islands, in 27 fathoms of water, coral bottom, with 75 fathoms of chain to the port anchor on the following bearings: Control tower 3552°T), Radio tower 1242°(T), and Beacon "C" 073°(T). Ships present: USS SHANGRI-LA (CV38)(SDFA-3T3-1.6), and USS CHARLES P. CECIL (DD835). CompessionFIVE in TURNER. Boiler #1 in use for au lliary purposes.

inchared as before.

Ens., USN

Anchored as before. 1000 made daily inspection of magazines and smokeless powder samples. Conditions normal.

Ens., USN

12 to 16

Anchore, as before. 1300 pursuant NavMed Form "G" DILLISTOK, H. ..., S2(RE), USN, was transferred with bags, records and transfer papers to Enited States Naval Base Hospital #21, Kwajalein Island, for treatment. 1520 Lighted fires under N-

Lt.(jg), USN

#1 and #nchored as before. 1650 cut boiler #2 in on main steam line. 1700 made all preparations for getting underway. Set anchor detail. 1734 underway from berth A-1, Boi Island, wajalein Atoll Marshall Islands. Steering various courses atvarious speeds to conform to the channel. 1810 with Luoy of abeam to starboard, distant 200 yards took departure on course 3210 (T & pgc), 3160 (psc), at 17 knots (162 RPM), for Bikini Atoll. 1811 secured anchor detail.

Lt.(jg), USN

Steaming as before an course 321° (T & pge), 316° (psc), speed 17 knots (16. RPN).

2114 changed speed to 14.5 knots (133 RPN). 21.5 changed speed to 14 knots (128 RPN).

2145 thanged speed to 13.5 knots (123 RPN). 21.54 commenced exercising at steering casualty drill.

2200 secured from steering casualty drill. 2217 changed speed to 14.5 knots (133 RPN).

& Smith

PRIVACY ACT MATERIAL REMOVED

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45.

| LOG            | OF THE U                                         | NITED          | <b>5</b> 7                                       | ATES:          | <b>B</b> H   |                | Ţ                                                | PNE              | (Name)                      |                    |                  |                                                  |                                                  |                          |               | 834)<br>************************************ |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|----------------|--------------------------------------------------|----------------|--------------------------------------------------|----------------|--------------|----------------|--------------------------------------------------|------------------|-----------------------------|--------------------|------------------|--------------------------------------------------|--------------------------------------------------|--------------------------|---------------|----------------------------------------------|--------------------------------------------------|--------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <u>.</u>       | ASSAGE F                                         |                | ,                                                | Roi            | àn.          | cherag         |                                                  |                  |                             | Bib                | ini A            | <b>.</b>                                         |                                                  |                          | Man           |                                              |                                                  |              | , ,                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | A554GE 7                                         | ACM.           |                                                  |                | .441         | -11-11-08      |                                                  |                  | TO                          |                    | ili n            | TOIL                                             |                                                  |                          | Lion          | (Day)                                        | 22<br>(Deta)                                     |              | (Menth)                      | ¥.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10 46           |
| ZONE           | DESCRIP                                          | TION _         |                                                  | -11            |              |                |                                                  | E                | B. RT                       | rtenh              | OUSE,            |                                                  |                                                  | <del></del>              | Course        | nder_                                        | U . \$                                           | 3. N.        | •                            | OMMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | iD: hc          |
|                |                                                  | RE             | Y.                                               | ŝ              | ,            | (P. C.)        | WIN                                              | 0                | BAROI                       | METER              | TEM              | PERA                                             | TURE                                             |                          |               |                                              | CLOUD                                            | ====<br>*    |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | "ALL BHAFT"<br>AVERAGE<br>REVOLUTIONS            |                | T                                                | <del></del>    |              | EYRO X         |                                                  |                  | (00                         | Τ                  | <del> </del>     | -                                                |                                                  | 2 9                      |               |                                              |                                                  | <del>-</del> |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | >               |
|                | 200                                              | 1 5_           | Ī                                                | NAUTICAL       |              | MAS            | (many u)<br>MONIAG<br>MONIAG<br>MONICATION       |                  | ' <b> </b>                  | READING<br>AT THER | in.              | <u>.</u>                                         | WATER<br>MAIN<br>INJECTION                       | WEATHER<br>BY<br>SYMBOLS |               | FORM                                         |                                                  |              |                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | VISIBILIT       |
| ноп            | 750                                              | MAUTI          | TENTHS                                           | 5              | TENTHS       | Coderate       | 100                                              | MONCH<br>(Marks) | HEIGHT                      | - X                | AMO              | WE T                                             | 220                                              | ¥9¥                      |               |                                              |                                                  | CERLING      | Movino<br>From<br>(In degree | The A control of the |                 |
| =              |                                                  | -              | +                                                |                | -            | *****          |                                                  |                  |                             |                    |                  |                                                  | 332                                              | 3 6                      | LOW           | MUDDLE                                       | HIGH                                             | 5            | 3151                         | 2 1 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _ <del>\$</del> |
|                |                                                  | 12             | 13                                               | -              | 5            | •              |                                                  | •                |                             | 10                 | 11               | 12                                               | 13                                               | 14                       | 15            | 14                                           | 17                                               | 18           | 19                           | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 21              |
| A M.           | 134.4                                            | 1/.            | 1                                                | 17.            |              | 321            | 25.5                                             | ,                | 2000                        | 22                 |                  | 51                                               | 84                                               |                          |               |                                              | l                                                |              | 1.27                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| - 1            |                                                  | 114            | 5                                                |                |              | 321            | 355<br>355                                       | 2                | 2998<br>2996                | 82                 | <u>82</u><br>82  | 81                                               | 84                                               | 2                        | cu            | 8.5<br>8.5                                   | <del> </del>                                     | 136          | <u>زور</u><br>555ء           | +-5-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7_              |
|                | 133.3                                            | 17             | 5                                                | 7.5            | Н            | 321            | 355                                              | 1.               | 2996                        | 82                 | 82               | 81                                               | 84                                               | 2                        | Cii           | as                                           | <del> </del> -                                   | 1 1 6        | رور<br>55ر                   | - 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7               |
| -1             | 1,2.6                                            | 14             | 5                                                | 14             |              | 521            | 365                                              | L                | 2998                        | 81                 | Ξ1               | 80                                               | 84                                               | 2                        | CU.           | as                                           | <del> </del>                                     | 16           |                              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7               |
| •              | 113.6                                            | 12             | 16                                               | 10             |              | 312            | 355                                              | 2                | 2998                        | 82                 | ĉ2               | 77                                               | 8/.                                              | 2                        | cu            | - 88                                         |                                                  | 16           |                              | - 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7               |
| -              | <b>8</b> 5.5                                     | 9              | 6                                                | 9              |              | 305            | <b>355</b>                                       | 4                | 3000                        | 82                 | 82               | 78                                               | 34                                               | 2                        | CII           | A.S                                          |                                                  | 16           | 355                          | _ 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8               |
| _ 7            | 26.9                                             | 1 3            | 17                                               | 2              | ļ.,          | 0/.5           | 355                                              | 2                | 3002                        | 83                 | 83               | 79                                               | 84                                               | 2                        | en_           | AS                                           |                                                  | أعدا         | 355                          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7               |
|                |                                                  | <del>  _</del> | +-                                               | <u> </u>       | ├_           | 160            | 355                                              | 4                | 3004                        | 87                 | 87               | 82                                               | <u> </u>                                         | 2                        | <u>cu</u>     | as_                                          |                                                  | 116          | <u>رزي</u>                   | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7_              |
| 10             | 87_2                                             | 9              | +7                                               | 8              | ├            | 355<br>132     | 355<br>130                                       | 12               | 3005<br>505                 | 87                 | <b>8</b> 7<br>88 | 52<br>83                                         | 84                                               | 2-                       | _cu           | 88                                           | <del> </del>                                     | 1            | 355                          | + 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7_              |
| 11             |                                                  | †              | $\dagger$                                        | 1              | -            | 127            | 200                                              | 23               | 3003                        | 89                 | 89               | 83                                               |                                                  | 3                        | ns.           | 88                                           | <del>                                     </del> | 116:<br>110: | <u>130</u><br>200            | . £                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8               |
| 12             |                                                  |                | <del> </del>                                     |                | 1            | 135            | 200                                              | 18               | 3002                        | 88                 | 88               | 83                                               |                                                  | 3                        | ns.           | AS                                           |                                                  |              | 200                          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7               |
|                |                                                  |                |                                                  |                |              |                |                                                  |                  |                             |                    |                  |                                                  |                                                  |                          |               |                                              | -                                                | +            |                              | T-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |
| P.M.           |                                                  | Ţ -            | F                                                |                |              |                |                                                  |                  |                             |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |
| '3             |                                                  | <b></b>        | +-                                               |                | 1            | 117            | 160                                              | 19               | 3000                        | 85                 | 85               | 84                                               | L                                                | 3                        | ns            | B.S                                          |                                                  |              | 160                          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7               |
| _10            | <del></del>                                      | -              | ┿-                                               |                | -            | 116            | 160                                              | 19               | 300 <u>0</u>                | 87                 | 87               | 86                                               |                                                  | 12                       | cu            | AS                                           |                                                  | lé.          | 260                          | . 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7               |
| - 15           |                                                  | ╃              | <del>-</del>                                     |                | <del>}</del> | 1 <u>18</u>    | 155                                              | 20               | 2998                        | 89                 | 89               | 88                                               |                                                  | 2                        | cu_           | as                                           | <del> </del>                                     |              | 155                          | 8 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7               |
| 16             |                                                  | +-             | +                                                |                | $\vdash$     | -24            | 150<br>150                                       | 18               | <u>-998</u><br><b>299</b> 9 | 89                 | <b>8</b> 9       | 86<br>61                                         | ·                                                | 2                        | Cu            | 25                                           | <del>}</del>                                     | 16           | 150                          | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 7               |
| 18             |                                                  |                | +                                                | 1              | +            | 1.3            | 150                                              | 18               | 3001                        | 84                 | 84               | 80                                               | <del> </del>                                     | 2                        | c. cu         | 85                                           | <del>                                     </del> | 16           | 150<br>150                   | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 17              |
| 19             |                                                  | 1              | +-                                               | 1              | 1            | 162            | 150                                              | 18               | 3001                        | 84                 | 84               | 80                                               | <b>†</b>                                         | 2                        | cu            | <b>8</b> .S                                  | <del> </del>                                     | 116          | 150                          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6               |
| 30             |                                                  |                |                                                  |                |              | 155            | 150                                              | 12               | 3004                        | ر8                 | ر8               | 80                                               |                                                  | 2                        | cu            | 8.5                                          |                                                  |              | 150                          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 16              |
| 21             |                                                  |                | Ţ                                                |                |              | 155            | 145                                              | 14               | 3005                        | 83                 | 83               | 82                                               |                                                  | 2                        | Сü            | as                                           |                                                  | 116          |                              | В                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7_              |
| _##            |                                                  | —              | +                                                | <b> </b>       | ↓_           | 129            | 150                                              | 12               | 3006                        | 8.,                | 84               | 81                                               | ļ                                                | 2                        | Cu            | 8.5                                          | <b></b>                                          | ]16          | 150                          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 17_             |
| . 23           |                                                  | —              | -}-                                              | ├              | ⊢            | 137            | 150                                              | 10               | 3004                        | 84                 | 84               | 8_                                               | -                                                | 2                        | cu            | AS                                           | <del> </del>                                     | 116          | 153                          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7_              |
| _34            |                                                  | +              | +-                                               | ├              | +-           | 149            | 150                                              | 8                | 3005                        | 24                 | 1 04             | 0-                                               | <del>                                     </del> | 2_                       | cu            | B8                                           | <del> </del> -                                   | 110          | 150                          | -8-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7_              |
| POS            | TION                                             | _              | <del>-</del>                                     |                | -            | <del></del>    |                                                  | Laz              | LONE                        | HEAVY              | PUEL             | Dist                                             | MIL 718                                          | L IMC                    | TOR GAI       | O. LAVIA                                     | GASO                                             | SHIP         | LUB.                         | AVIA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u></u>         |
|                | HOUR                                             | LA             | TITL                                             | DE             |              | LON            | GITUDE                                           | -                | CEIVED                      | 451                |                  | <del>                                     </del> |                                                  |                          |               | 1                                            |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | <b>680</b> 00                                    | 110            | 37.                                              | 25 IN          |              | 165°           | 31.301                                           | E EX             | PEHDED                      | 507                |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | 1200                                             | 110            | 37.                                              | .5 'N          | - :          | 165°           |                                                  |                  | HAND                        | 200                | 6.6              |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | 2500                                             | 11,            | <u>37.</u>                                       | 25 'N          |              | 1650           | 3 <u>1. 30'</u>                                  | 티 "              | ATER                        |                    |                  |                                                  |                                                  | -                        |               | ENERAL                                       |                                                  | AND          |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | RENT<br>TIME FROM                                | . (            | -                                                |                |              | ( <b>0</b> 4T) | E)                                               | -                | BREEFIVE                    | <u>- 116</u>       | 40               |                                                  |                                                  |                          | (├            | MORNIN                                       | <u> </u>                                         | ┼            | AFTE                         | RNOON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |
|                | 70                                               |                |                                                  | -              |              |                |                                                  | ┰                | EX/END                      |                    | 60               |                                                  | <u>_</u>                                         |                          | (├            |                                              | <u>`</u> -                                       | +            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | BET                                              |                |                                                  |                |              |                |                                                  |                  | ON HAN                      |                    |                  |                                                  |                                                  |                          | 1             |                                              |                                                  | 1            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | DRIFT                                            |                |                                                  |                |              |                |                                                  | ٥                | RAFT B                      | EFORE              |                  | ne                                               | CIBC                                             |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | O COMP                                           |                |                                                  | SE             |              |                |                                                  |                  |                             | 12!                | 5"               |                                                  |                                                  |                          |               |                                              |                                                  | -            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | ERROR<br>IDARD A                                 | 421            |                                                  |                | <u> </u>     | 466            |                                                  | 1                | AFT A                       | 151                |                  |                                                  |                                                  |                          | <b> </b>      |                                              |                                                  | ┼            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | COMPASS                                          |                |                                                  |                |              | 4.00           |                                                  | 1                | PORWAR                      |                    | fuel             |                                                  |                                                  |                          | 1             |                                              | <del>.</del>                                     | +-           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | 8. H.                                            |                | 138                                              | 0              |              |                |                                                  | 1                | AFT                         | 131                | ^-               |                                                  |                                                  |                          | 1             |                                              |                                                  | +            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | ERROR                                            |                | 1                                                | W.             | •            | 4, - ,         |                                                  | M                | AGAZIN                      | E TEM              | PERAT            | URE                                              |                                                  |                          | 1             |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | VARIATION                                        |                |                                                  | ΘE             | _            |                |                                                  | 1                | MAXIMU                      | <b>™</b> 108       | °F re            | ady                                              | serv                                             | ice l                    | v: #6         |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | DEVIATION                                        |                | _9                                               | O <sub>V</sub> | _            |                | -                                                |                  | MINIMU                      | 78                 | o <sub>F</sub>   |                                                  |                                                  |                          | <b>.</b>      |                                              |                                                  | —            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| -              |                                                  |                | Ţ                                                | 1              |              | 1 501          | MERGE                                            | URU              | N DATA                      | SUBA               | AARIN<br>4       | £ <b>5</b>                                       |                                                  |                          | <b>∄</b> ——   |                                              |                                                  | +            |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | O (SERIAL                                        |                | <del>                                     </del> | <u>`</u>       |              | +-             |                                                  | +                |                             |                    | :                | +                                                | <del></del>                                      |                          | ╂──           |                                              |                                                  | +-           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | TO SUBMER                                        |                | -                                                |                |              | +              |                                                  |                  |                             | +                  |                  | -                                                |                                                  |                          | <b> </b>      |                                              |                                                  | +-           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| GREAT          | -                                                |                |                                                  |                |              |                |                                                  |                  |                             | 1                  |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | 466 -2                                           | 1              | - 1                                              | 1 - 5          | T            |                | . 1                                              | 12,              | 1                           |                    | ,                | IYDR                                             | OGRA                                             | HIC A                    | ND ME         | TEOROL                                       | OGICAL                                           | REM          | ARKS                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | A PER S                                          |                | Ē                                                | SWELL SWELL    | 1            |                | 1 0 1 2 0 1 2 0 1 1 1 1 1 1 1 1 1 1 1 1          | 1 5              | Brecht<br>Andourt           |                    |                  |                                                  | <u> </u>                                         |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | 2 23                                             | 24             | 25                                               |                | ╢            | 22             | 23 24                                            | _                | -+                          |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                |                                                  | ┿╾             | +=                                               | +-             | -11-         |                | +-+-                                             | +-               | 1-1                         |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| A.M.           | 22                                               | 0              | 2                                                | 2 0            | 31           | 13             |                                                  | -                |                             |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| 2              | 2:                                               | _              | -                                                |                | чĿ           | 14             | 1-1-                                             | +-               | +                           |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| •              | 22                                               | _              | 7                                                | _              | 75           | 15             |                                                  | 1                |                             |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | 22                                               | 0              | 2                                                | 2 (            | IJĹ          | 16             |                                                  |                  |                             |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | 22                                               | 0              | 12                                               | _              | 41-          | 17             |                                                  |                  |                             |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                | 22                                               | 0              | <del>∤2</del>                                    | 2 5            | чь           | 10             | <del></del>                                      |                  | ┵╌╢                         |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| <del>'</del> - |                                                  | +              | +-                                               | +              | ᅫᅩ           | 20             | +                                                | +-               | +-#                         |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| <del>-</del>   |                                                  | +              | +                                                | +-             | -1-          | 21             | <del>  </del>                                    | +-               | +                           |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| 10             | <del>                                     </del> | +-             | +-                                               | +              | ᆚ            | 22             | <del>                                     </del> |                  | ╅                           |                    |                  |                                                  |                                                  |                          |               |                                              |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| 11             |                                                  |                | 1                                                | 1              | 1            | 23             |                                                  | 1                | 1                           |                    |                  | <b>一</b>                                         | In                                               | 7.                       | - 0           | 71                                           |                                                  |              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
| 12             |                                                  |                | I                                                | $\top$         | 1            | 24             |                                                  | I                |                             |                    |                  | 10                                               | - A                                              | RD V                     | ord.,         |                                              |                                                  | 5. N         | N.A                          | VIGAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | OR              |
| _              | 111                                              |                |                                                  |                | #            |                | 1 1                                              | 1                | . [ . [                     |                    | . •              | •••                                              |                                                  | , .                      | <del> ,</del> | ,                                            | <b>.</b>                                         | J. 14        | .70                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|                |                                                  |                |                                                  |                |              |                | A.                                               | •,s              |                             |                    | ٠.               |                                                  |                                                  |                          |               |                                              |                                                  | ,            |                              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -               |

HNG

E VISIBILITY

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| INITED STATES SHIP TURNER (DD834) | Lion        |
|-----------------------------------|-------------|
|                                   | <del></del> |

Lionday 22 July 1946
(Det) (Det) (Month

O to 4

Steaming under boiler #1 and #2 enroute Roi Island (Kwajalein Atoll) to Bikini Atoll, Warshall Islands, on course 321° (T & pgc), 316° (psc), at speed 13.5 kmots (135 RFE).

H. B. BOSERTSON, J.A. Ens., USN

4 to 8

Steaming as before on course 321° (T & pgc), 316° (psc), speed 13.5 knots (133 RF).

0435 changed course to 312° (T & pgc), 310° (psc), reduced speed to 9 knots (80 RPM). 0455 sighted Bikini Atoll bearing 316° (T), distance 10 miles. 0525 changed course to 275° (T & pgc), 268° (psc), to blow tunes, 0556 completed blowing tubes, changed course to 317° (T & pgc), 314° (psc). Steaming on various courses at various speeds, entering port, Captain at the conn, Navigator on the bridge. 0616 entered Bikini Lagoon, proceeding to go along side USS ENGREE (A069) to fuel ship. 0720 moored starboard side to ENOREE. 0735 commenced fueling ship, draft of ship forward 1215", aft 1416".

G.M. W. J.

8 to 12

boored as before. 0800 mustered crew on stations. No absentees. Octo completed fueling, received 45132 gallons of fuel oil at 60°F. 0843 underway from alongside tender, proceeding to A-22. Bitkini Atoll. 0925 anchored in berth 4-22, Bikini Atoll, with 60 fathous of chain to the port anchor, in 12 fathous of water on a bearing of 030° (T) to Beacon \*Ensy\*. Ships present: Various units of Joint Rask Folce One, with CUTF-1 in MT, McKINLEY (AGC7). SOFA.
0930 secured main engines and boiler number two, boiler number one ateaming for auxiliary purposes. Bade daily inspections of magazines and smakeless powder samples, conditions normal except ready service boxes #5 and #6 with a maximum recorded temperature of 108°F

P. BOTH Lt.(jg), USN

12 to 16

Anchored as before.

H. H. WA.D, 3rd. Lt., USN

16 **to** 20

Anchored as before. 1811 pursuant to Naviled Form "G", the following named men were transferred with bags, records, and transfer papers to the USS BOUNTIFUL (AH9) for treatment: AVERDITE, Curtis E., S2c USN GARSEL, Litchel (n)., F2c USN

H. H. mailly, 3rd., Lt., USN

20 to 24

Anchored as before.

H. H. WARD, 3rd., Lt., USN

PRIVACY ACT MATERIAL REMOVED

EXAMINED

asst III

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|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------|--------------------------------------------------|-------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|----------|----------------------------|--------------------------|-------------|---------------------------------------|--------------|-------------|----------|
| <b>4</b> ∓ <b>/</b> ∓                                              | 25.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 200                                     |              | B1k1                                             | uni /                         | tall                                                         |                                                                                                           |                                       | _ TO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                         |          |                            | _                        | Tueso       | Der)                                  | (Date)       |             | Ju:      |
| CONE                                                               | DESCRIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TION .                                  |              | <u>-11</u>                                       |                               |                                                              |                                                                                                           | <u> </u>                              | RIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TENHO               | USE.                    |          |                            |                          | Command     | ier                                   | u <b>s</b>   | N.          |          |
|                                                                    | L E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RE                                      | ¥<br>√8.     | ěĞ                                               | , 8                           | URSE<br>P. C.)                                               | WIN<br>CRU                                                                                                | 0                                     | BARON<br>(CORRE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CTED)               | TEM                     | PERA     | TURE                       |                          |             |                                       | CLOUD        | <u> </u>    |          |
|                                                                    | "ALL BHAFT"<br>AVERAGE<br>REVOLUTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                       |              | .AL                                              | e ev                          | ∞ <u>×</u>                                                   | Š T                                                                                                       |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | g K                 | i.e                     | SULB     | WATER<br>MAIN<br>INJECTION | WEATHER<br>By<br>Symbols |             | PORM                                  |              |             |          |
| HOUR                                                               | V S S C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MAUTICAL                                | TENTHS       | MAUTICAL                                         |                               | -dicate                                                      | DIMETIC<br>MOVING<br>FROM<br>(h Appen)                                                                    | FORCE (Kente)                         | HEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MEADING<br>AT. THER | AIR.                    | ¥ .      | ECT                        | ¥ A                      | <del></del> |                                       |              | CERLING     | Devised  |
| ¥                                                                  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _                                       | _            |                                                  | _                             | -                                                            |                                                                                                           | +                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +                   | A VMC                   | ¥ ME     |                            | WE SY                    | ₩Q.         | MIDDLE                                | нівн         | 5           | Ó É      |
| $\dashv$                                                           | <u>'</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                                       | 1            | 4                                                | •                             | •                                                            | ,                                                                                                         | •                                     | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10                  | 11                      | 12       | 19                         | 14                       | 15          | 14                                    | 17           | 18          | -        |
| A #T                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u> </u>                                |              |                                                  |                               | .04                                                          | 150                                                                                                       | 4                                     | 30.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 81                  | 81                      | 78       |                            | 2                        | cu.         | <b>A</b> S                            |              | 16          | ı        |
| 1                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ţ                                       | $\perp$      |                                                  |                               | 15                                                           | 150                                                                                                       | 6                                     | 3001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 81                  | 81                      | 78       |                            | 2                        | CU          | <b>A.</b> 5                           |              | 116         |          |
| -                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <del>  -</del>                          | +            | -                                                |                               | 299<br>10                                                    | 150                                                                                                       | 16                                    | 3002<br>3002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 82                  | 82                      | 78       |                            | 2                        | du          | As.                                   |              | 16          |          |
| •                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | †                                       | 1            |                                                  | _                             | 95                                                           | 150<br>090                                                                                                | 5                                     | 3003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 82                  | 82<br>81                | 78<br>78 | -                          | 2                        | CIL         | <u>85</u>                             |              | 16          |          |
| •                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                       | $\perp$      |                                                  | _                             | 78                                                           | 090                                                                                                       | 4                                     | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 82                  | 82                      | 78       |                            | 2                        | cu          | As                                    |              | 16          |          |
| 7                                                                  | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +-                                      | +            |                                                  |                               | 90<br>.06                                                    | 090                                                                                                       | 10                                    | 3005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 82                  | 82                      | 78       | <del> </del>               | 2                        | cu          | A.B                                   | -            | 116         | 1        |
| 9                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +                                       | +            |                                                  |                               | 18                                                           | <b>09</b> 0_                                                                                              | 16                                    | 3.06<br>3027                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 85<br>85            | .85<br>.85              | 80       |                            | 2                        | cu          | AR<br>AR                              | <del> </del> | ‡16<br>116  | Ш<br>    |
| 70                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |              |                                                  |                               | 98                                                           | 100                                                                                                       | 15                                    | 3006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 85                  | 85.                     | 79       |                            | 2                        | cu          | .85.                                  |              | 16          | _        |
| -11                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +                                       | +-           | -                                                |                               | 20<br>25                                                     | 110                                                                                                       | 15                                    | 3002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 88                  | 88                      | 80       | -                          | 2                        | cu          |                                       | <del> </del> | 16          | : '      |
| 12                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +                                       | +            | <del>                                     </del> | 1                             | ~                                                            | 095                                                                                                       | 15                                    | 3002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | '88                 | -88                     | 82       | <b>†</b>                   | 2                        | cu          |                                       |              | 16          | <u> </u> |
| P.M.                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | T            |                                                  |                               |                                                              |                                                                                                           |                                       | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                         |          |                            | Γ –                      |             |                                       | -            |             | i        |
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| 15                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                       | +            |                                                  |                               | 77                                                           | 090                                                                                                       | 15                                    | 3000<br>2998                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 88                  | <b>88</b><br><b>8</b> 5 | 80       | <del>  .          </del>   | 2                        | cu<br>cu    |                                       | <del> </del> | 16          | 1        |
| 16                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | $\perp$      |                                                  | 0                             | 95                                                           | 090                                                                                                       | 14                                    | 2996                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 86.                 | 86                      | 81       |                            | 2                        | CU          |                                       |              | 16          | 4        |
| 17                                                                 | 109.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2 1                                     | <del>,</del> | ┼                                                |                               | <u>وم</u><br>د0                                              | 100<br>130                                                                                                | 13                                    | 2998<br>2998                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 85<br>8:            | 85                      | 80       | 84                         | 2                        | cu          |                                       |              | 16          | _        |
| 10                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2 1                                     | -            | 9                                                |                               | 38                                                           | 130                                                                                                       | 17                                    | 3002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 83                  | 84                      | 79       | 84                         | 2                        | cu cu       |                                       |              | 116         | +        |
| 20                                                                 | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0 1                                     |              | 11                                               |                               | 38                                                           | 130                                                                                                       | 19                                    | 3004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 83                  | 83                      | 80       | 84                         | 2                        | cu          |                                       |              | 16          | -        |
| 21                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2 1<br>5 1                              | -            | 11                                               |                               | 38<br>38                                                     | 130<br>130                                                                                                | 20                                    | 3004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 82                  | 82<br>83                | 79       | 84                         | 2                        | CIT CIT     |                                       | <u> </u>     | 16          | -        |
| 23                                                                 | 117.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 1                                     | _            | 12                                               | 1                             | 38                                                           | 130                                                                                                       | 20                                    | 3002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 82                  | 82                      | 79       | 84                         | 2                        | Cu          |                                       | <u> </u>     | 116         | _        |
| K                                                                  | 117.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9 1                                     | 3 J U        | 12                                               | 1                             | 3c                                                           | 13 <sub>U</sub>                                                                                           | 20                                    | 2999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 81                  | Bl                      | 79       | 84                         | 2                        | eu          |                                       |              | 16          | 1        |
| 05                                                                 | TION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |              | <u> </u>                                         |                               |                                                              | <u> </u>                                                                                                  | Te                                    | LLONG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | HEEAVY              | PUEL                    | Diff     |                            | I Imc                    | TOR GAR     | LAVIA                                 | GABO         | BHII        | <u> </u> |
|                                                                    | HOUR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         | TIT          |                                                  | $\perp$                       |                                                              | SITUDE                                                                                                    | -                                     | CEIVED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                         |          |                            | 工                        |             |                                       |              |             |          |
|                                                                    | 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1103                                    |              |                                                  |                               |                                                              | 1.5'E                                                                                                     | -                                     | HAND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 594                 | <u>8</u><br>688         | ╂        |                            | +                        |             | <del> </del>                          |              |             | _        |
|                                                                    | 2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         | 3.5          |                                                  |                               |                                                              | 6.0'E                                                                                                     | _                                     | ATER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                         | -        |                            |                          | . GI        | NERAL                                 | DRILL        | ANI         | ) E      |
| UR                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |              | , - ,                                            | •                             | ( <b>G</b> ATI                                               | ט                                                                                                         | 1                                     | PROTILLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     | 00                      |          |                            | _                        | <u> </u>    | MORNIN                                | 6            | ł           |          |
|                                                                    | RENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |              |                                                  |                               |                                                              | •                                                                                                         |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | •                   |                         |          |                            |                          |             |                                       |              | -           |          |
|                                                                    | RENT<br>TIME PRO<br>TO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |              | 1                                                |                               |                                                              | •                                                                                                         | ╁                                     | EXPENDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     | 82                      |          |                            |                          | ╂           |                                       |              |             |          |
|                                                                    | TIME PRO<br>TO<br>BET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                         |              | 土                                                |                               |                                                              | •                                                                                                         |                                       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 246                 | 69                      |          |                            |                          |             |                                       |              |             |          |
|                                                                    | TIME PRO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>H</b>                                |              |                                                  |                               |                                                              |                                                                                                           |                                       | EXPENDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 21.6<br>FORE        | 69                      |          | ORT                        |                          |             |                                       |              |             |          |
| 3 Y R                                                              | TIME PRO TO SET DRIFT O COMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ASS 1                                   | N U          |                                                  |                               |                                                              |                                                                                                           | $\bot$                                | EXPENSE<br>ON HAND<br>RAFT BE<br>FORWARD<br>AFT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2),e                | 69<br>LEAV              | NG P     | -                          |                          |             |                                       |              |             |          |
| BYR                                                                | TIME PRO TO PET DRIFT O COMP ERROR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ASS I                                   | N U          | C 001                                            | MPASI                         |                                                              | -                                                                                                         | $\bot$                                | EXPENDE<br>ON HANT<br>RAFT BE<br>FORWAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PORE                | 69<br>LEAV              | NG P     | -                          |                          |             |                                       |              |             |          |
| SY R                                                               | TIME PRO TO SET DRIFT O COMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ASS I                                   | N U          | C 001                                            | M PASI                        |                                                              | -                                                                                                         | B                                     | EXPENDE<br>ON HANT<br>RAFT BE<br>FORWAR<br>AFT<br>RAFT AF<br>FORWAR<br>AFT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TER E               | 69<br>LEAV              | ING P    | ORT                        |                          |             | •                                     |              |             |          |
| SY R                                                               | TIME PRO TO SET DRIFT O COMP ERROR IDARD COMPASS S. H. ERROR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ASE I                                   | N U          | 90E                                              | i PASI                        |                                                              |                                                                                                           | B                                     | EXPENDI<br>ON HANT<br>RAFT BE<br>PORWAR<br>AFT<br>PORWAR<br>AFT<br>AGAZIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TER E               | 69<br>LEAV              | ING P    | ORT                        |                          |             | •                                     |              |             |          |
| SYR                                                                | TIME PRO TO SET DRIFT O COMP ENROR DARD COMPASS B. H.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MASS I                                  | N U          | 34°                                              | d PASI                        |                                                              |                                                                                                           | D                                     | EXPONDE ON HAM  RAFT BE PORWAR  APT  PORWAR  APT  APT  APT  APT  APT  APT  MAXIMU  MINIMUM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TEN E               | NTER                    | ING P    | ORT                        | ice t                    | x #6        | ,                                     |              |             |          |
| SYR                                                                | TIME PRO TO SET DRIFT O COMP ERROR NDARD COMPASS S. H. ERROR VARIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MASS I                                  | N U          | 3 34°<br>9°E<br>8°E                              | IPASI                         |                                                              |                                                                                                           | D                                     | EXPENDI<br>ON HANT<br>RAFT BE<br>PORWAR<br>AFT<br>PORWAR<br>AFT<br>AGAZIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TEN E               | NTER                    | ING P    | ORT                        |                          | x K         |                                       |              |             |          |
| SYR                                                                | TIME PRO TO SET DRIFT O COMP ERROR NDARD COMPASS S. H. ERROR VARIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ASS I                                   | N U          | 34°<br>9°E<br>8°E                                | MPASI                         | <b>B</b> UT                                                  | MERGE                                                                                                     | D                                     | EXPENDIGO ON MANINA PORTA AFT AFT AFT AFT AFT AFT AGAZIN MANIMUM MINIMUM N DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TEN E               | NTER                    | ING P    | ORT                        |                          | x #6        |                                       |              |             |          |
| SYR<br>STAP                                                        | TIME PRO TO SET DRIFT O COMP ERROR IDARD GOMPASS 6. H. SERROR VARIATION SEVIATION TO BUSINESS TO BUSINESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MAGN MAGN MAGN MAGN MAGN MAGN MAGN MAGN | N U          | 3 34°<br>9°E<br>8°E                              | i PASI                        | <b>B</b> UT                                                  | IMERGE                                                                                                    | D MU                                  | EXPENDIGO ON HAND ON H | TEN E               | NTER                    | ING P    | ORT                        |                          | x K         | •                                     |              |             |          |
| SYR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STA | TIME PRO TO TO SET DRIFT O COMP ERROR IDARD COMPASS 6. H. ERROR VARIATION SEVIATION TO BUSINESS TO BUS | MAGN MAGN MAGN MAGN MAGN MAGN MAGN MAGN | N U          | 9°E<br>8°E<br>1°E                                |                               | <b>B</b> UT                                                  | IMERGE<br>2                                                                                               | M M                                   | EXPENDIGUES ON HAND ON | TEN E               | NTER                    | ING P    | ORT                        |                          | X #6        | EOROL                                 |              | REM         | AF       |
| SYR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STA | TIME PRO TO TO SET DRIFT O COMP ERROR IDARD COMPASS 6. H. ERROR VARIATION SEVIATION TO BUSINESS TO BUS | MAGN MAGN MAGN MAGN MAGN MAGN MAGN MAGN | N U          | 9°E<br>8°E<br>1°E                                |                               | <b>B</b> UT                                                  | IMERGE<br>2                                                                                               | M M                                   | EXPENDIGUES ON HAND ON | TEN E               | NTER                    | ING P    | ORT                        |                          |             | EO POLO                               |              | REM         | AF       |
| SYR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STA | TIME PRO TO SET DRIFT O COMPENSOR SERROR VAMATION SEVIATION TO BUSINES TO SUBMET TO BUSINES TO SUBMET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MAGE LANGUE H                           | N U          | 3 340<br>90E<br>80E                              |                               | <b>B</b> UT                                                  | MERGE<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>3<br>2<br>3<br>3<br>3<br>3<br>3<br>3<br>3      | D RU                                  | EXPENDED ON HANT ON HA | TEN E               | NTER                    | ING P    | ORT                        |                          |             | EOROLO                                |              | REM         | AR       |
| SYR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STA | TIME PRO TO TO SET DRIFT O COMP ERROR IDARD COMPASS 6. H. ERROR VARIATION SEVIATION TO BUSINESS TO BUS | MAGE LANGUE H                           | N U          | 3 340<br>90E<br>80E                              |                               | Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine | IMERGE<br>2                                                                                               | D RU                                  | EXPENDED ON HANT ON HA | TEN E               | NTER                    | ING P    | ORT                        |                          |             | EOROLG                                |              | REM         | AR       |
| BLIN 1                                                             | TIME PRO TO SET DRIFT O COMPENSOR SERROR VAMATION SEVIATION TO BUSINES TO SUBMET TO BUSINES TO SUBMET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MAGE LANGUE H                           | N U          | 3 340<br>90E<br>80E                              | F. 66.                        | Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine | MERGE<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>3<br>2<br>3<br>3<br>3<br>3<br>3<br>3<br>3      | D RU                                  | EXPENDED ON HANT ON HA | TEN E               | NTER                    | ING P    | ORT                        |                          |             | EOROLO                                |              | REM         | AR       |
| BLAN 1 THISE A.M. 1                                                | TIME PRO TO SET DRIFT O COMPENSOR SERROR VAMATION SEVIATION TO BUSINES TO SUBMET TO BUSINES TO SUBMET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MAGE LANGUE H                           | N U          | 3 340<br>90E<br>80E                              |                               | Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine | MERGE<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>3<br>2<br>3<br>3<br>3<br>3<br>3<br>3<br>3      | D RU                                  | EXPENDED ON HANT ON HA | TEN E               | NTER                    | ING P    | ORT                        |                          |             | EOPOL                                 |              | REM         | AF       |
| BLIN 1                                                             | TIME PRO TO SET DRIFT O COMPENSOR SERROR VAMATION SEVIATION TO BUSINES TO SUBMET TO BUSINES TO SUBMET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MAGE LANGUE H                           | N U          | 3 340<br>90E<br>80E                              | F. M. 13                      | Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine | MERGE<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>3<br>2<br>3<br>3<br>3<br>3<br>3<br>3<br>3      | D RU                                  | EXPENDED ON HANT ON HA | TEN E               | NTER                    | ING P    | ORT                        |                          |             | · · · · · · · · · · · · · · · · · · · |              | REM         | AR       |
| BUN :                                                              | TIME PRO TO SET DRIFT O COMPENSOR SERROR VAMATION SEVIATION TO BUSINES TO SUBMET TO BUSINES TO SUBMET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MAGE LANGUE H                           | N U          | 3 340<br>90E<br>80E                              | P. M. 13 14 15 14 17          | Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine | MERGE<br>2<br>2<br>2<br>2<br>2<br>2<br>3<br>3<br>4<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3 | M M M M M M M M M M M M M M M M M M M | EXPENSE ON HANT ON HANT RAFT AF POWAR AFT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TER E               | NTER                    | ING P    | ORT                        |                          |             | EOROLG                                |              | REM         | AF       |
| BLAN 1  A. M. 1  2  4  6                                           | TIME PRO TO SET DRIFT O COMPENSOR SERROR VAMATION SEVIATION TO BUSINES TO SUBMET TO BUSINES TO SUBMET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MAGE LANGUE H                           | N U          | 3 340<br>90E<br>80E                              | P. M. 12 14 15 14 15 14       | Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine | MERGE                                                                                                     | M M M M M M M M M M M M M M M M M M M | EXPEDIDION MARINUM MINIMUM 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TER E               | NTER                    | ING P    | ORT                        |                          |             | EOROL                                 |              | AEM         | AF       |
| STAP                                                               | TIME PRO TO SET DRIFT O COMPENSOR SERROR VAMATION SEVIATION TO BUSINES TO SUBMET TO BUSINES TO SUBMET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MAGE LANGUE H                           | N U          | 3 340<br>90E<br>80E                              | P. M. 13 14 15 14 17 16 17 16 | Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine | D B                                                                                                       | M M M M M M M M M M M M M M M M M M M | EXPENDED ON HANT ON HA | TER E               | NTER                    | ING P    | ORT                        |                          |             | EOROL                                 |              | REM         | AF       |
| STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR<br>STAR       | TIME PRO TO SET DRIFT O COMPENSOR SERROR VAMATION SEVIATION TO BUSINES TO SUBMET TO BUSINES TO SUBMET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MAGE LANGUE H                           | N U          | 3 340<br>90E<br>80E                              | P. M. 12 14 15 16 17 18 10 10 | Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine<br>Tine | MERGE                                                                                                     | M M M M M M M M M M M M M M M M M M M | EXPENSE ON HANT ON HANT ON HANT ON HANT ON HANT AFT BE PORWARE AFT AGAZIN MAKIMU MINIMUM N DATA 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TER E               | NTER                    | ING P    | ORT                        |                          |             | EOROLG                                |              | REM         | AF       |

| NAVPERS IN REV. 11-45 DEUK LUG-REMARKS SHE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | :ET               |                      |              | <del></del>    |               |
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| UNITED STATES SHIP TURNER (DD834)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tuesda<br>(Des)   | <u>ay</u>            | 23<br>(Date) | July<br>(Mess) | , 19_ <u></u> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (24)              |                      | (Date)       | (Mestr)        |               |
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| Anchored in berth 22A, Bikini Atoll, Parshall Islands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |              |                |               |
| of chain to the port anchor. Ships present: Various units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                      |              |                |               |
| scall craft. SOPA. Commander Joint Task Force One in USS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Mt. MCKLALEY (G   | 37)                  | . Boil       | .er #1 10      | use           |
| for auxiliary purposes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Λ.                |                      |              |                |               |
| 7/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Maril 29          |                      | _            |                |               |
| н. н.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | WARD, 3rd.        |                      |              |                |               |
| - It., (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                      |              |                |               |
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| E. H.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | WAED, Brd.        |                      |              |                |               |
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| Anchored as before. 0800 mustered crew at guarters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                      |              |                |               |
| of magazines and smokeless powder samples. Conditions nor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                      |              |                |               |
| of 1030F in ready service box #6. Made weekly inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | zine spri هضد     | II:                  | Tus els      | rtem. Cr       | maití         |
| satisfactory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _                 | •                    |              |                |               |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 74 - OS           | ) a                  |              |                |               |
| / <u>.</u> ./                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | The same of       |                      | -            |                |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AndD, 3rd.<br>new |                      |              |                |               |
| Lt.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                      |              |                |               |
| 12 <b>to</b> 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                      |              |                |               |
| Anchored as before, 1315 pursuant to BuPers Dispar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | uch 0117057 of 4  | ine:                 | 1 101.4      | pagi en        | ā. ·=         |
| McPHERSON, ELT, USNE, was detached and ordered to re                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   | •                    |              |                |               |
| further transportation by air to the UNITED S also for rela                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                      |              |                |               |
| to CTU 1.6.14 dispatch 2223152 of 23 July 1946, ROFI.SUN, F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                      |              | USW. 1         |               |
| transferred to the USS BENEVOLENCE (AML) with baggage, red                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | er                   |              |                |               |
| 1531 pursuant to May Med Form "G", Ensign Donald n. KILEY,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                      |              | d and or       |               |
| to report to USS BOUNTIFUL (AH9) for treatment. 1535 Light                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | bai                  | ler num      | ber two        | •             |
| 1540 b authority CTG 1.8 despatch 222315z of 23 July 1946                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | , BLEID, Irving   | (n)                  | ,            | RI             | D≨3c,         |
| USN, reported aboard with baggage, records and transfer pay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | pers for duty.    |                      |              |                |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | POD               |                      |              |                |               |
| - In the second | llson             |                      |              |                |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TOLESUN           |                      |              |                |               |
| Lt.(j                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | g), USN           |                      |              |                |               |
| 14 += 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | •                 |                      |              |                |               |
| 16 to 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                      | 1070         |                | L _ 2 7 -     |
| Anchored as before, 17.0 made all preparations for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                      |              |                |               |
| #1 and #2 on the main steam line. 1723 got underway for the Compassion Five worked orders. Contain at con. Newtonton of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                      |              |                |               |
| CombesRonFIVE verbal orders. Captain at con., Navigator or various speeds comforming to the channel. 1755 secured an                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | n one oringe. I   | 5.73<br>>0 <b>€€</b> | ee+ v        | TLEV 135       | 0             |
| (T&prc), 1400 (psc), and speed 12 knots (108 RDT) 1900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | changed course    | to                   | 1600 (1      | T & pgc)       | _             |
| $(T \& p;c)$ , $140^{\circ}$ (psc), and speed 12 knots (108 RPL). 1900 $162^{\circ}$ (psc). 1913 changed course to 110° (T & pgc), $108^{\circ}$ (psc)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | pac). 1926 char   | leed<br>Jeed         | i Course     | to 138         | T :           |
| 140° (psc).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                      |              |                | ,             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4.6 * 4           |                      |              |                |               |
| $\sim$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Maly 8            |                      |              |                |               |
| 7. W.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | in Park           |                      |              |                |               |
| I.t. ( )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | الدناب (ع         |                      |              |                |               |
| 200 (3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | J., —             |                      |              | 1              |               |
| 20 to 24-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                      |              |                |               |
| Steaming as before on course 138° († 4 pgc) 140°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (psc), at 12 kmc  | ots                  | (108 R       | PL).           |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                      |              | •              |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                      |              |                |               |
| KINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9/1-              |                      |              |                |               |
| Ser Mich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | JESS.             |                      |              |                |               |
| - Lt.(i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | g), USN           |                      |              |                |               |
| ·•                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                      |              |                |               |
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| DDIVACY ACT MATERIAL BEAGGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                      |              |                |               |
| PRIVACY ACT MATERIAL REMOVED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                      |              |                |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                      |              |                |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                      |              |                |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                      |              |                |               |

TURNER (AE3CD) THE UNITED STATES SHIP .. PASSAGE PROM Bikini Atoll To Roi Island Wednesday July . . LE E. B. RITTENHOUSE Commander ZONE DESCRIPTION \_∪. \$. №. COMMANGING WIND BAROMETER (CORRECTED) TEMPERATURE CLOUDS WEATHER BY BY BY MBOLS MAUTICAL MILES ORY BULB WET BULB EV700 X HEIGHT INCHES WATER MAIN INJECTI (Indicate Plays) MIDDLE HIGH , 4 7 • • 10 FI 12 13 14 16 17 18 19 20 138 090 2998 ø/ 8.5 138 138 13 2 13 2 12,.3 12 090 22 2-95 80 78 80 盤 1.6 ns 83 5 12 2995 090 18 180 80 72 60 119.0 13/1 8 138 090 26 **29**95 180 80 78 81 88 g. 12.8 80 80 78 138 090 17 RI. 88 116.4 12 8 2999 B2 82 78 84 110 138 ch 88 138 134.8 090 20 3000 L82 82 78 84 83 160.0 17 0 83 79 16 110 3002 83 84 09. 20 8.5 84 80 153.5 16 4 086 84 CS C: 86.3 9.16 125 180 20 3:03 88 AR. 84 10 168 90 88 عدا 11 163 3000 90 168 8 ىدغ 91 89 12 3001 91 12 182 168 20 168 8 CH Р.М. (3 180 180 2998 89 89 cu 2998 89 168 16 175 5 \_14 180 89 | 61 23 8.8 18 8<u>1</u> 15 168 18. 2:97 190 2 8.5 16 8 90 Çu 8 85 12 16 26.0 3 16 1:0 270 2997 90 90 сu 2.8 86 80 230 5 17 72.1 8 2 7 308 230 2597 86 8. 8.5 16 cu 10 80.1 9 0 8 308 270 3000 80 84 85 25 8.5 cu 16 270 4 10 h 9 18 91.1328 **27**0 3001 84 84 79 84 cu 25 8 16 270 4 8: .8 9 9 9 3002 184 79 328 270 84 84 cu 8.5 322 89:5 9 9 8 3000 183 84 16 -270 21 43 CIL B3 79 16 | 270 89.3 9 19 9 **32**5 270 3002 83 84 cu 22 83 79 16 270 5 328 89.2 9 9 84 8 270 3005 83 23 cu 16 270 6 89.8 9 9 :28 83 79 84 27. 3005 83 84 81 POSITION GALLONG HEAVY PUEL DIESEL PUEL MOTOR GASO. AVIA. GASO. SHIP LUB. AVIA. LUB. HOUR LATITUDE LONGITUDE RECEIVED 9°20.0'N 9°23.0'N 9°44.2'N 167°15.0°E 167°28.0°E EXPENSED 10766 ON HAND 183922 1200 17 '007.5'B WATER . GENERAL DRILLS AND EXERCISES 9900 CURRENT PHETILED 12000 MORNING . (mate) TIME FROM ARE VED EXPENSED 12177 SET DRIFT GYRO COMPASS IN USE 13! ERROR 421W -1416" DRAFT AFTER ENTERING PORT COMPAGE IS 112/3 131 8. K. 1380 APT 14'6" MAGAZINE TEMPERATURES MAXIMUM 1010F ready service bux #3 VARIATION 78°F BEVIATION SUBMERGED RUN DATA-SUBMARINES GLER MA. (SECRIAL) THE TO BURNERGE THE PARTY OF THE P HYDROGRAPHIC AND METEOROLOGICAL REMARKS 22 23 24 . 23 3 35 12 1 12 14 18 12 12 16 12 12 17 Hi 12 1 12 121 19 1 12 111 造 12 20 21 12 1 1 ... 121 121 22 12 1 23 12 1 Ma H. H. MAID, 3rd., .24 DE., U.S. N. NAVIGATOR

TO SE FORWARDED INSERT TO THE T

NDING

ADDITIONAL REMARKS

0 to 4 Steaming independently enroute Bikini Atoll, Parshall Islands to Roi Island, Parshall Islands, on course 136° (T & pgc), 139° (psc), speed 12 knots (106 RPL). Commonstantly emarked. Boiler #1 and #2 in use. Regular cruising match and material condition "Baker" set. 2145 commenced\_exercising at steering casualty drill. 0215 secured from steering casualty drill. 0325 changed speed to 13 knots (118 RPM).

Lt., USN

Steaming as before on course 138° (T & pgc), 139° (psc), speed 12 knots (100 RPH). 0635 changed speed to 16 knots (150 RPH). 0657 sighted land bearing 160° (T), distant 10 miles. 0714 changed course to 110° (T & pgc), 105° (psc).

7+BRobertson,

8 to 12

Steaming as before on course 110° (T & pgc), 105° (psc), speed 16 knots (150 RFL). 9600 mustered drew on stations. Absentees: None. 0805 exercised at general quarters. 0:14 exercised at collision drill. 0315 made all preparations for entering port. 0826 steaming on various courses at various speeds conforming to channel, to enter Mellu passage. 0915 anchored in berth A-1, Roi Island Anchorage, in 15 fathoms of water with 60 fathoms of chain to the starboard anchor, on the following bearings: Roi Island Control tower 353° (T); Signal tower 617° (T); Beac in "C" 071° (T). 0925 secured from general quarters. 0930 mustered crew at quarters. Absentees: None. 0940 draft forward 13', aft 14'6". 1125 made daily inspection of magazines and smokeless powder samples. Conditions normal, except for ready service box #3 with a maximum recorded temperature of liber.

Lt.(jg), USN

anchored as before. 1315 made all preparations for getting underway. 1340 underway in accordance with verbal orders of ComDesRonFIVE, to go alongside US. CECIL. 1358 moored port side to USS CHERLES P. CECIL (DDS)5) with standard destroyer mooring lines. 1405 secured special sea detail. 1424 ComDesRonFIVE, Captain R. L. CAMPBELL, U. S. Navy, shifted his broad command pennant to the USS CECIL. In accordance with verbal orders of ComDesRonFIVE, the following named staff personnel accompanied him in transfer: Lieut. W. L. CALDWELL, U. S. Navy; PRICE, S. R., CSL, USN; MADDOCKS, E. D., Y2c, USN; O'CONNEL, H. (n), Jr., SE3c, CSL, USN; MADDOCKS, E. D., Y2c, USN; O'CONNEL. H. (n), Jr., SL3c, USN; ALC:
A. (n), RM3c, USN; JACOESON, T. P., RM5c, USN; and LAMBERT, J. E.,
Slc, USN. 1551 underway in accordance with CTG 1.6 dispatch 230155Z of July 1946, to proceed in company with USS SHANGRI-LA and CECIL to Point "Tare" (CUTF-1 Operations Plan #1-46), for "Baker" test of crossroads operation. Proceeding on various courses conforming to channel and at various speeds, Captain at con., Navigator on the bridge. Sortie order: CECIL (ComDeskonFIVE), TURNER, SHANGRI-LA.

> X R. S. SLITH

PRIVACY ACT MATERIAL REMOVED

EXAMINED:

Wheals

| DECK LOG-REMA | RKS | SHEET |
|---------------|-----|-------|
|---------------|-----|-------|

| UNITED STATES SHIP | TURNER (DD834) | <br> | 24<br>( <b>Date</b> ) | July<br>(Meat) | 10_46 |
|--------------------|----------------|------|-----------------------|----------------|-------|
|                    |                |      |                       |                |       |

16 to 20

MAYPERS 134 (REV. 15-45)

Steaming as before on various courses at various speeds. 1650 with buoy number one bearing 075° (T), distant 200 yards, took departure on course 344° (T & pgc), 337° (psc), speed 5 knots (040 RPL). I653 changed course to 270° (T & pgc), 268° (psc), 1716 formed bent line screen #12 (USF 10B) with USS SHANGRI-LA (CV38)(CTG 1.6 OTC) fleet center and destroyers as follows: USS CHARLES P. CECIL (DD835)(ComDesRomFIVE) in station #1 (2.5060) and USS TURNER (DD834) in station #2 (2.5300). Formation course and axis 328° (T & pgc), 323° (psc). Base speed 9.5 knots (085 RPL).

G. W. OLSON Lt.(jg), USN

20 to 24

Steaming as before on course 328° (" & pgc), 323° (psc), speed 9.5 knots (085 RPL).

R. S. SKITH Lt., USN

| æ            | OF THE                                | UNI            | TED #               | TAT           | ES S            | HIP   | · —           |               |                    |                           | TURN<br>(No. | FR.      |                    |               |             |                            |           |       |          | (D)         | 2834)        | <del>*</del> 1 |                        |                |           |
|--------------|---------------------------------------|----------------|---------------------|---------------|-----------------|-------|---------------|---------------|--------------------|---------------------------|--------------|----------|--------------------|---------------|-------------|----------------------------|-----------|-------|----------|-------------|--------------|----------------|------------------------|----------------|-----------|
| <b>z</b> , 4 |                                       |                | . <u> </u>          | لـــ          | Roi             | I     | sland         | <u>.</u> E    | iki                | الم الم                   |              | _        |                    | Age.          |             |                            |           |       | bur      | sday        | 25<br>(Dete) |                | July                   |                | 46        |
| Æ            | DEBCA                                 | PTK            | >N                  |               | 11              |       |               |               |                    | E.                        | B. F         | III      | ENH(               | OU <b>K</b> E |             |                            |           |       |          | der         | U. 6.        | . N.           |                        | DMMAN          | inine.    |
| 1            | : 1                                   | T              | REVS.               | T             | P<br>S<br>S     | ٦     | ФUR<br>(Р с.) | 34            | WIN<br>(TR)        |                           | BAR          | OME      | TER<br>TED,        | TEM           | PERA        | TURE                       | П         | T     |          |             | CLOUD:       | ş              |                        |                |           |
| 1            | TALL BHAFT"<br>AVERAGE<br>PEVOLUTIONS | ſ              | ٠,                  |               | 4               |       | syno_2        | <u> </u>      | 9 7                |                           |              |          | 95                 | BUL.          |             | ě                          | TEN C     | 3     |          | FORM        |              |                |                        |                | ŢŢ        |
| 1            | ALL                                   |                | MAUTICAL            |               | MILES           | TENTH | Gadin         | -             | MOVING<br>FROM     | POHCE (FEE)               | I DIE        | S H      | MEADING<br>AT THER | A Y WO        | MET A       | WATER<br>MAIN<br>INJECTION | WEATHER   | 2     | w        | MIDDLE      | ніфн         | CEILING        | MOVING<br>The American |                | VISIBILIT |
|              | : 48                                  | $\pm$          | 2 1                 | _             | _               | •     | 4             | +             | 7                  | 1.5                       |              | =        | 10                 | 11            | 12          | 13                         | 14        | _     |          | 10          | 17           | 18             | 1525                   | 2 & S          | 3         |
| .]           | 89.3                                  |                | 10                  |               | 8               |       | 328           | 1             | 30_                | 2                         | 30           | 2        | <b>8</b> G         | 80            | 77          | 84                         | 2         |       |          |             |              | 16             | 300                    |                | _         |
| 2            | 39.7                                  | _              | 10 B                | 7             | 9               |       | 32E           |               | 300                | 3                         | 30           | -        | 80                 | 80            | 77          | 84                         | 2         | T     | 11       |             |              | 16             | 300                    | 1              | 6         |
| 4            | 90.0                                  | 4              | 10                  | _             | 9               |       | 328           | _             | 300                | ļi.                       | 30           |          | <b>8</b> 0         | 80            | 77          | 84                         | 2         | 2     | u        |             |              | 16             | 300                    | 14             | 6         |
| 4            | 89.4                                  | +              | 9 4                 |               | <u>e</u>        | 4     | 328<br>290    | _             | 300                | 2                         | 30           | _        | 8)                 | 87            | 78          | 84                         | 12        |       | <u>u</u> |             |              | 16             | 300                    | 4              | 6         |
| •            | 93.1                                  | +              | 10 3                | +             | 8               | -     | 290           | _             | 2 <u>30</u><br>220 | 13                        | 30           |          | 82<br>82           | 82<br>82      | 78<br>78    | 84                         | 13        |       | u        |             |              | 1 <i>E</i>     | 120                    | ++-            | 8         |
| 7            |                                       | _              | 13 2                | _             | 12              |       | 325           | _             | 160                | 2                         |              | 02       | 85                 | 85            | 80          | 84                         | 2         | _     | u        |             |              | ΊÉ             | 163                    | 16             | 8         |
| •            | 167.                                  | <del>-</del> - | 17 7                | -             | 17              | _     | 1:0           | $\overline{}$ | 60                 | 15.                       | 3.4          |          | 84                 | 84            | 79          | 84                         | 12        |       | u        |             |              | 16             | 160                    | 5              | 8         |
|              |                                       | <u>9</u>       | <u>27 1</u><br>31 6 | _             | 2/              | -     | 1/2           |               | لذن                | 5                         | 30           |          | 84                 | 84            | 79          | 84                         | 12        | _     | u<br>    |             |              | 176            | 160<br>160             | - 5            | 8<br>8    |
| 4            | 337.                                  | 2              | 31 6                | $\overline{}$ | 30<br>30        |       | 320           | _             | 160<br>160         | 5                         | 30           | · - t    | 8/<br>8/           | 84            | 79          | 84                         | 2         | -     | u<br>u   |             | ļ ———        | 116            | 160                    | + -            | 8         |
| 2            | 232.                                  | o I            | 23 5                |               | 23              |       | 138           |               | 160                | 5                         | 30           |          | 8/.                | 84            | 79          | 84                         | 2         |       | u        |             |              | 16             | 160                    | . 6            | 8         |
| -            |                                       | 4              |                     | +             |                 |       | <u> </u>      | +             |                    | +                         | ₽-           | -        |                    | <u> </u>      | -           | -                          | -         | -     | -        |             |              | -              |                        | +              |           |
|              | 177.                                  | 4              | 18                  |               | 18              | _     | :38           | 1:            | 160                | 12                        | 29           | 98       | 86                 | 86            | 79          | 84                         | 2         | _ c   | <b>u</b> |             |              | 16             | 12                     | 14             | 8         |
| ı            | 124.                                  | _              | 19 K                |               | 19              | _     | 1/1           | 7             | 160                | 111                       | 29           |          | 86                 | 86            | 78          | 84                         | 2         | _     | u        |             |              | 16             | 120                    | 14             | 8         |
|              | 175.                                  | _              | 18 k<br>16 h        |               | 17<br>15        | _     | 075           |               | 140<br>140         | 9                         | 29           |          | 86                 | 86            | 78<br>79    | 84                         | 12        | +-    | u        |             |              | 16             | 120<br>120             | ++             | 8         |
| ,            | 150.                                  |                | 16 1                | _             | lc              |       | 075           |               | 100                | 3                         | 29           |          | 87<br>84           | 87<br>84      | 78          | 84                         | 2         |       | u        |             |              | 116            | 120                    | + 4-           | 8         |
|              | 149.                                  |                | 16                  |               | 15              |       | 075           | _             | 100                | 13                        | 29           |          | 83                 | 83            | 79          | 84                         | 2         |       | u        |             |              | 16             | 120                    | 17             | 8         |
| •            | 150.                                  |                | 16                  | _             | <u>15</u>       | _     | 075           | _             | 100                | 9                         | 30           |          | 81                 | 81            | 79          | 84                         | 2         | عـــا | u        |             | ļ            | 16             | 120                    | 14             | 6         |
| _            | 150.                                  | _              | 16 5<br>16 6        | _             | <u>15</u><br>16 | _     | 063<br>063    | _             | 150<br>050         | 3                         | 30           |          | <u>81</u><br>82    | 81<br>82      | 77          | 84                         | 2         |       | u<br>u   |             | <del> </del> | 16             | 050                    | ++             | 6         |
|              | 150.                                  | _              | 16                  | -             | 15              | _     | Ú£ 3          | _             | 050                | 6                         | 30           |          | 82                 | 82            | 72          | 87                         | 12        |       | u        |             | <del> </del> | 16             | 050                    | 12             | 6         |
| _            | 150.                                  | _+             | 16                  | _             | 15              |       | 063           | _             | 250                | 7                         | 3.4          |          | 82                 | 82            | 72          | 84                         | 2         | _     | u        |             |              | 16             | 050                    |                | 6         |
| •            | 150.                                  | 6              | 16                  | 4             | 15              |       | 063           | 4             | 050                | - 6                       | 30           | <u> </u> | 82                 | 82            | 73          | 84                         | 12        | c     | u        |             | ļ            | 16             | 050                    | 4              | ļ£.       |
| Ē            | TION                                  |                |                     | <u> </u>      |                 |       | <u> </u>      |               |                    | 1.                        | ALLON        | -        | <b>E</b> AVY       | FUEL          | Die         | SED. PU                    |           | HOTOR | مه       | O. AVIA     | GARO .       | SHI            | - wa                   | AVIA           | 16        |
| _            | HOUR                                  |                | LATI                |               | -               | _     |               |               | TUDE               |                           | CEIVE        | _        |                    |               |             |                            | $\exists$ |       |          |             |              |                |                        |                |           |
|              | 1200                                  | ├-             | 1101                |               |                 |       | 166°          |               |                    | _                         | (PEND        | -        | 300                |               | ╂           |                            | $\dashv$  |       |          | +           |              |                |                        |                |           |
| _            | 2000                                  | ┼-             | 10 <sup>0</sup> 3   |               | OIN             |       |               |               | 5'E                | _                         | ATER         |          | 153                | <u>007</u>    | Т.          |                            |           | 1     | . GI     | ENERAL      | DRILL        | ANI            | D EXER                 | CISES          |           |
| A            | RENT                                  |                | (                   |               |                 | _     |               | ATE)          | -                  |                           | 94571        |          | 1                  | 2940          |             |                            |           |       |          | MORNIN      |              |                | APTI                   | DI-HOOP        | •         |
| _            | THEE PE                               |                |                     |               | +               | _     |               |               |                    | -                         | CX PE        | NOED     | 1                  | 8041          |             |                            |           | ╢     |          |             |              | -              |                        |                |           |
| _            | 867                                   |                |                     | _             |                 | _     |               |               |                    | ╅                         | ON H         |          |                    | 9391          |             |                            |           | ╢     |          | <del></del> |              | <del> </del>   |                        |                |           |
|              | DRIFT                                 |                |                     | _             |                 |       |               |               |                    |                           | RAFT         |          |                    |               | ING I       | ORT                        |           |       |          |             |              |                |                        |                |           |
|              | O COM                                 |                |                     | USI           | E               |       |               |               |                    | -                         | PORY         | YARD     |                    |               |             |                            |           | ╢     | <u> </u> |             |              |                |                        |                |           |
| A            | NDARD                                 |                | GNET                | ic            | COL             | AP/   | 4.55          |               |                    | - 1 -                     | RAFT         | AFT      | ER E               | NTER          | ING         | PORT                       |           | ┪     |          |             |              | _              |                        |                |           |
| _            | COMPAS                                | •              | 112                 | 43            | _               |       |               |               |                    | 4                         | PORN         | MARO     |                    |               |             |                            |           |       |          |             |              |                |                        |                |           |
|              | ERROR                                 |                | 3                   | 28            | 0-              | _     |               |               |                    | -                         | APT          | INE      | TEM                | PERA          | TURE        |                            |           | -∦    |          | ·           |              | -              |                        |                |           |
| _            | VARIATI                               | DN             |                     | 0             | OE.             |       |               |               |                    | ┨¨                        |              | MUM      |                    |               |             | y se                       | evi c     |       | x #      | 5           |              | -              |                        |                |           |
| _            | BEVIATE                               | OH             |                     | Ĭ             | 0               | _     |               |               |                    | 1                         | Milital      |          | 2                  | OOF           |             |                            |           |       | _        |             |              |                |                        |                |           |
|              |                                       |                |                     | _             | ,               |       |               | UBM           |                    | ED RL                     | IN DA        | TA-      | T                  | AARIN         | ES          |                            | •         |       |          |             |              | -              |                        |                |           |
| •            | NO. (SECTIO                           | AL)            | _                   |               |                 | _     | +             |               |                    | 1-                        |              |          | †                  | <del></del> - |             |                            |           | ╢     |          |             |              | <del>  -</del> |                        |                |           |
| _            | TO 845                                |                | 2                   | _             |                 | _     |               |               |                    |                           |              |          | 1                  |               |             |                            |           |       | _        |             |              |                |                        |                |           |
| _            | 7647 PE                               |                | -                   | _             | _               | _     |               | -             | _                  |                           | <u> </u>     | -        |                    |               |             |                            | 200       |       |          | 5050        | OGICAL       |                |                        |                |           |
|              | TIME.<br>BURF.                        | į              | 151                 | ij            | 글 등             |       | 5             |               | 1                  | 3: 4                      | Se Perio,    | :        | •                  |               |             |                            |           |       |          |             | TY Ca.       |                | IARNS                  |                |           |
| _            |                                       |                |                     |               |                 | 1     |               | -             |                    |                           |              |          |                    | ight          |             |                            |           |       |          |             |              |                |                        |                |           |
| _            | 22                                    | -              | *                   |               | -               | ╊     | <del> -</del> | 2             | 20 1               | <u> </u>                  | -            | ╂        |                    |               |             |                            |           |       |          |             |              |                |                        |                |           |
| L.           |                                       | g              | 2 8                 | 12            | 2               | 111   | 13            | 1.            | .                  | ۱ ا ه                     | 1            | $\vdash$ |                    |               |             |                            |           |       |          |             |              |                |                        |                |           |
|              |                                       | 8              | 2 8                 |               | 2               | ┺     | 14            |               | 9                  |                           | 9 1          | 1        |                    |               |             |                            |           |       |          |             |              |                |                        |                |           |
| _            |                                       | 8              | 2 8                 | _             | 2               | −     | 15            | <del></del>   | 9                  | 1 9                       |              |          |                    |               |             |                            |           |       |          |             |              |                |                        |                |           |
| _            |                                       | 8              | 2 5                 | _             | 2               | -11   | 16            | _             | 9                  | 1 9                       | _            | 1        |                    |               |             |                            |           |       |          |             |              |                |                        |                |           |
| -            |                                       | 8              | 2 8                 | _             | 2               | -{}-  | 10            | _             | 9                  | $\frac{1}{1} \frac{9}{9}$ |              | 1        |                    | <u> </u>      | <del></del> |                            |           |       | —        |             |              |                |                        | <del>.</del> - |           |
| ,            |                                       | 8              | 2 8                 |               | 2               | 41-   | 19            | _             | 9 1                | 1 9                       |              | 1        |                    |               |             |                            |           |       | _        |             |              |                | ·                      |                |           |
| •            |                                       | 8              | 2 8                 | _             | 2               | ィ⊢    | -             | 1             | 9                  | 1 9                       | 1            | $\Gamma$ |                    |               |             |                            |           |       |          |             |              |                |                        |                |           |
| •            |                                       | 8              | 2 8                 | _             | 2               | 41    | 21            | _             | 9                  | 1 9                       |              | 1        |                    |               |             |                            |           |       |          |             |              |                | <del>,</del>           |                |           |
| •            | ++                                    | 8              | 2 8                 | 32            | 2               | -li-  | 27            | _             | 9                  | $\frac{1}{1}$             |              | ┢        | ==                 |               | -           | Z,                         | _         |       | 7        |             |              | -              |                        |                |           |
| 4            |                                       | 10             |                     | 10            | î               | -11-  | 24            | _             | 9 1                | 1 9                       |              | 1        |                    |               | /5          | 74                         |           | يهيه  | /d       | -           | <b>-</b>     |                |                        | VI 4-7         | ~=        |

34.

ADDITIONAL REMARKS

Steaming under boilers #1 and #2, on course 328° (T & pgc), 323° (psc), speed 9.5 kmots (85 RFL), enroute to point "Tare" in accordance with CJTF operations, plan #1-46 for "BakerF test of crossroads operation. Steaming in company with USS SHANGRI-LA (CV38)(CT3 1.6 OTC) and USS CHARLES P. CSCI\_(DDS)5)(ComDesRonFIVE), in bent line acress formation #12 (USF 103) as follows: SEANGRI-LA Fleet Center and guide, CECIL in station #1 (2.5060); TURNER in station #2 (2.5300). Regular cruising watch and material condition "Baker" set.

G. W. Wight Lt. (jg), ban

Steaming as before on course 328° (T & pgc), 323° (psc), speed 9.5 knots (85 RP.).

0437 changed course to 290° (T & pgc), 283° (psc). 0500 lighted fires under boiler #4. 0503 lighted fires under boiler #3. 0539 changed course to 325 (T & pgc), 322° (psc). 0559 changed speed to 12 knots (108 RP.). 0700 changed speed to 15 knots (140 RPM). 0725 took plane guard station #1 (2120). Changed course to 160° (T & pgc), 159° (psc). Changed speed to 15 knots (172 RPM).

Lt.(jg), USN

8 to 12

6

Steaming as before on course 160° (T & pgc), 159°(psc), speed 18 knots. 0800 mustered crew on stations. Absentees: None. 0813 completed launching operations. Turned to 325°(T & pgc), 321°(psc). Changed formation speed to 20 kmpts (194 RPL). 0817 detached from formation by order of CT3 1.6. Proceeding independently to point "Able" (CJTF operations plan #1-46) on course 142° (T & pgc), 145° (psc), speed 27 knots (270 RPL). Commenced building up to maximim speed.

Mission: to assist with fighter direction in conjunction with Drone control. 0835 test "Baker" atomic bomb exploded. White cloud or flame observed moving laterally at the horizon on pearing 313°(T). 0903 attained maximum speed of 345 RFL)(31.5 knots engine speed, 30 knots by pitometer log). 113 changed course to 140°(T & pgc), 143° (psc). 1050 ordered by CTG 1.6 to rejoin formation. Changed course to 320°(1 & pgc), 315°(psc). 1123 signted USS SHANGRI-IA bearing 320°(T), distant 14 miles. 1130 proceeding on various courses to rejoin SHANGRI-IA. 1150 rejoined SHANGRI-IA taking plane guard station #1 (2170), on course 138°(T & pgc), 199°(psc). Speed le knots (172 RPM). USS CECIL eight (8) miles astern. Made daily inspection of magazines and smokeless ponder samples. Conditions normal, except for a maximum recorded temperature of 140°F in 2021 ready service box #5.

R. S. SWIT Lt., USN

12 to 16

Steaming as before on course 138°(T & pgc), 139°(psc), speed 18 kmots (172 RPK).

1205 let fires die under boilers #. and #2. 1330 CECIL rejoined formation, taking plane guard station.

#2 (2350). 1350 formation turned to 165°(T & pgc), 163° (psc). 1352 stationed plane crash detail.

1356 increased fleet speed to 25 kmots (248 RPK). 1357 SHANGRI-LA commenced flight operations. 1404

SHANGRI-LA completed flight operations. 1405 formation turned to 141° (T & pgc), 138°(psc).

1406 reduced fleet speed to 20 kmots (194 RPM). 1409 secured plane crash detail. 1416 changed fleet speed to 12 kmots (108 RPM). 1417 proceeding on various courses and at various speeds to go alongside SHANGRI-LA. 1425 SHANGRI-LA transferred mail to TURNER. 1444 cleared SHANGRI-A, on course 140°(T & pgc), 138°(psc), speed 25 kmots (248 RPM). 1452 changed course to 075°(T & pgc), 064°(psc), reduced speed to 16 kmots (150 RPK). Detached from assigned duty with ShANGRI-LA (CV38)(CTG 1.6) and Operation Crossroads. Proceeding enroute Pearl hartor, T.H., in accordance with CJTF-1 dispatch 232238 of July 1946. 1537 let fires die out under #3 boiler.

R. W. WIGLEY
Lt. (ig). USN

PROVED: EXAMINE

E. R. PITTENHOUSE COMIT US N COMMANDING

H. H. WARD, 3rd., Lt., U.S.N.

ED

|# |VISIOILITY

TURNER (DD834)

## ADDITIONAL REMARKS

Steaming under boilers #1 and #2, on course 328° (T & pgc), 323° (psc), speed 9.5 kmots (85 RFL). enroute to point "Tare" in accordance with CJTF operations, plan #1-46 for "Baker" test of crossroads operation. Steaming in company with USS SHANGRI-LA (CV38)(CTG 1.6 OTC) and USS CHARLES P. CECI. (DDE35)(ComDesRonFFVE), in bent line acreen formation #12 (USF 105) as follows: SHANGRI-LA Fleet Center and guide, CECIL in station #1 (2.5060); TURNER in station #2 (2.5300). Regular cruising watch and material condition "Baker" set.

Steaming as before on course 328° (T & pgc), 323° (psc), speed 9.5 knots (85 RPL).

0.37 changed course to 290° (T & pgc), 283° (psc). 0500 lighted fires under boiler #4. 0503 lighted fires under boller #3. 0539 changed course to 325° (T & pgc), 322° (psc). 0559 changed speed to 12 knots (108 RPL). 0700 changed speed to 15 knots (140 RPM). 0725 took plane guard station #1 (2120). Changed course to 160° (T & pgc), 159° (psc). Changed speed to 15 knots (172 RPK).

Lt.(jg), USN

8 to 12

Steaming as before on course 160° (T & pgc), 159°(psc), speed 18 knots. 0800 mustered crew on stations. Absentees: None. 0813 completed launching operations. Turned to 3250(T & pgc), 3220(psc). Changed formation speed to 20 kmots (194 RPM). OS17 detached from formation by order of CTG 1.6. Proceeding independently to point "Able" (CJTF operations plan #1-46) on course 1420 (T & pgc), 1450 (psc), speed 27 knots (270 RPL). Commenced building up to maximum speed. Mission: to assist with fighter direction in conjunction with Drone control. 0635 test "Baker" atomic bomb exploded. White cloud or flame observed moving laterally at the horizon on bearing 313°(T). 0903 attained maximum speed of 345 RP1)(31.5 knots engine speed, 30 knots by pitometer log). 1015 changed course to 140°(T & pgc), 143°(psc). 1050 ordered by CTG 1.6 to rejoin formation. Changed course to 320°(T & pgc), 315°(psc). 1123 signted USS SHANGRI-LA bearing 320°(T), distant 14 miles. 1130 proceeding on various courses to rejoin SHANGRI-IA. 1150 rejoined SHANGRI-IA taking plane guard station #1 (2170), on course 138 (T & psc), 139 (psc). Speed le knots (172 RPM). USS CECIL eight (8) miles astern. Made only inspection of magazines and smokeless ponder samples. Conditions normal, except for a maximum recorded temperature of 1,0°F in 2012 ready service box #5.

Lt., USN

·12 to 16

Steaming as before on course 138°(T & pgc), 139°(psc), speed 18 knots (172 RPM). 1205 let fires die under boilers #. and #2. 1330 CECIL rejoined formation, taking plane guard station. #2 (2350). 1350 formation turned to 1650(T & pgc), 1630 (psc). 1352 stationed plane crash detail. 1356 increased fleet speed to 25 kmots (248 RPM). 1357 SHANGRI-LA commenced flight operations. 1404 SHANGRI-LA completed flight operations. 1405 formation turned to 1410 (T & pgc), 1380(psc). 1406 reduced fleet speed to 20 knots (194 RPM). 1409 secured plane crash detail. 1416 changed fleet speed to 12 knots (108 RPM). 1417 proceeding on various courses and at various speeds to go alongside SHANGRI-LA. 1425 SHANGRI-LA transferred sail to TURNER. 1444 cleared SHANGRI-LA, on course 140° (T & pgc), 138° (psc), speed 25 knots (248 EPM). 1452 changed course to 075° (T & pgc), 064° (psc), reduced speed to 16 knots (150 EPM). Detached from assigned duty with SHANGRI-LA (CV38) (CTG 1.6) and Operation Crossroads. Proceeding enroute Pearl Martor, T.H., in accordance with CJTF-1 dispatch 232238 of July 1946. 1537 let fires die out under #3 boiler.

| DECK | LOG- | -REMARKS | SHEET |
|------|------|----------|-------|
|------|------|----------|-------|

| UNITED STATES SHIP TURNER (DD834) Thursday 25 July 1846 |
|---------------------------------------------------------|
|---------------------------------------------------------|

16 to 18 Steaming as before on course 075° (T & pgc), 064° (psc), speed 16 kmots (150 RBL).

(j<sub>e</sub>), USN

steaming as before on course 075° (T & pgc), 064° (psc), speed 16 kmsts (1,0 RE).

1927 changed course to 063° (T & pgc), 052° (psc).

Lt., JSN

Steaming as before on course 063° (T & pgc), 052° (psc), speed 16 knots (150 RP1).

2251 changed course to 005° (T & pgc), 356° (psc) for blowing tubes. 2252 resumed course 063° (T & pgc), 0,2° (psc).

Ens., USN

| MAYPERS | 134 | (REV. | 11-4 |
|---------|-----|-------|------|
|---------|-----|-------|------|

| <br> | _ | <br> |  | - | <br>= | <br> | = | _ | _ | <br> | _ | <br> | _ | _ |  |
|------|---|------|--|---|-------|------|---|---|---|------|---|------|---|---|--|
|      |   |      |  |   |       |      |   |   |   |      |   |      |   |   |  |
|      |   |      |  |   |       |      |   |   |   |      |   |      |   |   |  |

TURKER (DD834)

| _ | Friday | 26     | July    | 46 |
|---|--------|--------|---------|----|
|   | (Dey)  | (Date) | (Menth) |    |

DING

Steaming as before on course 070° (T & pgc), 056° (psc), speed 17.5 knots (165 RPE).

2100 charged course to 072° (T & pgc), 058° (psc). 2136 commenced exercising at steering casualty drill. 2207 secured from steering casua ty drill.

O to 4

Steaming independently enroute Boi Island, Kwajalei: Atoll, Larshall Islands to Pearl Harbor, T. H., on course  $0.08^{10}_{20}$  (T & pgc),  $0.57^{\circ}$  (psc). speed 17.5 km:ts (165 RPL). Regular cruising watch and material condition "Baker" set. 0000 set clocks ahead twenty three and one malf  $(23_2)$  hours to conform ith zone plus twelve ( $\neq$ 12) time. Changed date to Friday, 26 July, incidental to crossing the international date line. 0156 commenced exercising at steering casualty drill. 0201 secured from steering casualty drill.

Lt., USN

Steaming as before on course  $068_2^{10}$  (T & pgc),  $057_0^{0}$  (psc), at 17.5 knots (165 RPL). 0405 Sommenced exercising at steering casualty drill. 0450 secured from steering casualty drill.

H. B. RDBERTSON, Jr.

Steaming as before on course  $069\frac{1}{2}^{\circ}$  ( $\frac{7}{4}$  pgc),  $057^{\circ}$  (psc), at 17.5 knots (165 RFL).

0800 heldcourters for mister. Absentees: None. 0832 commenced exercising at steering casualty drill. 0839 changed course to 070° ( $\frac{1}{4}$  pgc), 057° (psc). 0850 secured from steering casualty drill.

0504 commenced exercising at engineering casualty drills. 0908 secured from engineering casualty drills. Made daily inspection of magazines and smokeless powder samples, conditions normal.

16 to 18

18 to 20

Steaming as before, on course  $070^{\circ}$  (T & pgc),  $057^{\circ}$  (psc), speed 17.5 knots (165 RPE). 1502 changed course to  $0.5^{\circ}$  (T & pgc),  $029^{\circ}$  (psc). 1506 changed course to  $070^{\circ}$  (T & pgc), 056° (psc).

Steaming as before on course 070° (T & pgc),  $057^{\circ}$  (psc), speed 17.5 knots (165 RPM).

Steaming as before on course 070° (T & pgc), 056° (psc), speed 17.5 knots (165 RPM). 1930 crossed the 180th meridian into west longitude.

H. B. ROBERTSON, J

Į.

| MAYPERS IM (REV. (1-45)                                                     |                                | DECK TO                        | G-REMARKS SHI                      | EET                              |                           | TT-1             |                       |            |
|-----------------------------------------------------------------------------|--------------------------------|--------------------------------|------------------------------------|----------------------------------|---------------------------|------------------|-----------------------|------------|
| UNITED STATES SHIP                                                          | TUNER (DDS                     | 34)                            |                                    | Satu<br>(Dec                     | rday                      | 27<br>(Pate)     | Ju_y<br>(Menu)        | , 19       |
| O to 4 Steaming ind course 072° (T & p. Boiler #4 in use. half hour to some | Ship in materi                 | , standard s;<br>al condition  | eed 15 kmots<br>"Baker". 00        | (140 RPL), S                     | tearis                    | ae at            | 17.5 kmo              | ts 71      |
| -                                                                           |                                |                                | G. W. OLS<br>Lt.(jg),              | Son<br>BSN                       |                           | ٠.               |                       |            |
| 4 to 8                                                                      | before on cours                |                                | 050 <sup>0</sup> /                 | 17                               | £ 1                       | A. (34           | 5 <b>2m</b> ()        | . '        |
| 0453 commenced exe                                                          | reising at spee                | ering casualt;                 | drill, 959                         | Secured from                     | stee:                     | ring o           | asualty               | dril       |
| •                                                                           | •                              |                                | Klly                               | in the                           |                           |                  |                       |            |
|                                                                             |                                |                                | A. S. SLI                          | TH                               |                           |                  |                       |            |
| •                                                                           |                                | •                              | Lt., USN                           | · -                              |                           |                  |                       |            |
| 8 to 12                                                                     | before on cour                 | ατο <sup>0</sup> /π -          |                                    |                                  | 7 6 !-                    | 7-1 مند          | 45 pp \               | -          |
| 0800 mustered crew<br>from steering casu<br>Conditions normal,              |                                |                                | pection of m                       | mgazines and a                   |                           |                  |                       |            |
|                                                                             |                                | •                              | H. B. BOB                          |                                  |                           | *                |                       | •          |
|                                                                             |                                | •                              | Ens., USN                          | · .                              |                           |                  |                       | · -        |
| 12 to 16 -                                                                  | •                              |                                |                                    | ·                                |                           | . *              |                       |            |
| Steaming a 1300 commences wx.                                               | s before on courcising at stee | rse 072° (1 d<br>Fing casualt) | pgc), 058°<br>arill. 133           | (psc), speed (<br>2 secured from | 17.5 ko<br>n <b>ste</b> e | nots (<br>ring d | (165 RPL)<br>casualty | ).<br>dril |
| 1355 reduced speed                                                          | to 17.2 kmets                  | (162 RPM).                     |                                    |                                  |                           |                  |                       |            |
| -                                                                           |                                |                                | (1.)V. V.<br>R. W. WEG<br>Lt.(jg), | rifu                             |                           |                  |                       |            |
| · · · · · · · · · · · · · · · · · · ·                                       | •                              |                                | R. W. WEG                          |                                  |                           |                  |                       |            |
|                                                                             |                                |                                | Lt. (Jg/,                          |                                  |                           |                  |                       |            |
| 16 to 18                                                                    | s before on cou                | Tee (772 <sup>0</sup> (# 4     | nm) 4540                           | Annal macd                       | 19-2 -                    | note /           | ן<br>(140 ספר 1951)   |            |
| and a second                                                                | a perore ou con                | 1196 0/2 (14                   |                                    |                                  | L( . L D                  | 11003            |                       | •          |
|                                                                             |                                |                                | 1 An                               | ull '                            |                           |                  | •                     |            |
|                                                                             |                                |                                | Lt., USN                           | .Th                              |                           |                  | •                     |            |
| 18 to 20                                                                    |                                |                                | •                                  |                                  |                           |                  |                       |            |
|                                                                             | s before.on cou                | rse 0720 (T 4                  | pec), 056°                         | (psc), speed                     | 17.2 k                    | nots             | (1c2 RPL)             | ).         |
|                                                                             |                                |                                |                                    |                                  |                           |                  |                       |            |
|                                                                             |                                |                                | SMG                                | fon                              |                           |                  |                       |            |
|                                                                             |                                |                                | Lt, (jg),                          |                                  |                           |                  |                       |            |
| 20 to 24                                                                    |                                |                                |                                    |                                  |                           |                  |                       |            |
| Steaming a                                                                  | s before on cou                | rse 0720 (T                    | k pgc), 056°                       | (psc), speed                     | 17.2 k                    | nots (           | (162 RPM)             |            |
| 2130 changed speed<br>2208 resumed base<br>drill.                           | 1 16.7 kmots (14               | 57 RPV). 2156                  | changed cou                        | irse 40° to le:                  | ft for                    | blo:             | ing tubes             | ١.         |

ABRILITAN DE.

Ens., USN

drill.

|                                   | (Day)  | (Date) | (Jefonik) |      |
|-----------------------------------|--------|--------|-----------|------|
| UNITED STATES SHIP TURIER (DD834) | Sunday | 28     | July      | 19 4 |
|                                   |        |        |           |      |
|                                   |        |        |           |      |

Steaming independently enroute Roi Island, "wajalein Atoll, Marshall Islands to Pearl Harbor T. H., on course 072° (T & pgc). Speed 16.7 knot. (157 RPM). Boiler #4 in use. Regular cruising watch and material condition "Baker" set. 0000 set all clocks shead one half (1) hour to conform with zone plus eleven (#11) time: 0201 secured from steering casualty drill. 0236 changed course to 050° (T & pgc), 033° (psc), for purposes of blowing tubes. 0243 resumed course 072° (T & pgc), 056° (psc).

R. W. WIGHT Lt. (jg), USN

4 to 8
Steaming as before on course 072° (T & pgc), 056° (psc); speed 16.7 kmots (157 RPL).

(. ... Oiso. Lt.(jg), USN

Steaming as before on course 072° (T & pgc), 056° (psc), speed 16.7 knots (157 RP...).

Made daily inspection of magazines and smokeless powder sameles, conditions normal. 110° enanged course to 632° (T & pgc), 030° (psc), in order to blow tubes. 1.26 resumed base course 12° (T & pgc), 056° (psc).

S. A. SHALL Ens., USHE

12 to 16
Steaming as before on course 072° (T & pgc), 056° (psc), speed 16.3 knots (153 RPL).

1400 changed course to 074° (T & pgc), 058° (psc). 1427 commenced exercising at steering casualty drill.

1447 secured from steering casualty dril.

BRobertson, J.
H. S. ROBERTSON, JEL
Ers., USN

16 to 20
Steaming as before on course 0740 (1 & pgc), 0580 (psc), speed 16.3 knots (153 RPK).
1630 commenced exercising at steering casualty drill. 1730 secured from steering casualty drill.

E. W. OLSON Lt. (jg), USN

20 to 24

Steaming as before on course 074° (T & pgc), 058° (psc), speed 16.3 knots (153 RFL).

2216 commenced exercising at steering casualty drill. 2250 secured from steering casualty drill.

A A AN R. S. SLITH Lt., USN

EXAMINED

| MAYPERS IN IREY, II-AS                                 |                                                        | DECK LOG-REMARKS S                                                                         | HEE!                                     |                   |                    |
|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------|-------------------|--------------------|
| UNITED STATES SHIP                                     | TURNER (DO834                                          | J                                                                                          | l.onday                                  | 29                | المتالة            |
|                                                        | <del></del>                                            | <del></del>                                                                                | (Day)                                    | (Dets)            | (Menth:            |
| "Baner" set. 0000                                      | gc), 058° (psc), an<br>set all clocks who              | Kwajalein Atoll, ka<br>meed 16.5 kmots (153<br>mad one half hour to<br>meering casualty dr | RPE). Boiler #4 i                        | n use.<br>us ten  | Materia<br>and one |
| 0307 changed course                                    | #45° to left to blo                                    | w tubes. 0:12 results of the tubes.                                                        | med base course.                         | iron s            | ceering (          |
|                                                        |                                                        | H. E. BOBERTSON<br>Ens., US.                                                               | , <b>.</b>                               |                   |                    |
| 4 to 8                                                 |                                                        |                                                                                            |                                          |                   |                    |
| Steaming as 1                                          |                                                        | 74° (T & pgc), 058° casualty dril. 0                                                       |                                          |                   |                    |
|                                                        |                                                        | R.W.W. when                                                                                | \                                        |                   |                    |
|                                                        | • •                                                    | Lt.(jg), D3N                                                                               | <i>T</i>                                 |                   |                    |
| 8 to 12                                                |                                                        |                                                                                            |                                          |                   |                    |
| Steaming as<br>0800 held quarters                      | for muster. Absen                                      | 0740 (T & pgc), 058<br>ntees none. 0845 ch<br>nd smokeless poder                           | anged speed to 16.7                      | ' knots           | (157 RF            |
|                                                        | ٠.                                                     | Million                                                                                    |                                          |                   |                    |
|                                                        |                                                        | Lt.(jg), USN                                                                               |                                          |                   |                    |
| 12 to 16                                               |                                                        | 0010 (m + ) 000                                                                            | 0 (man)                                  | ! lon             | (157 5             |
|                                                        |                                                        | 074 <sup>0</sup> (T & pgc), 057<br>or burst firing prac                                    |                                          |                   | (1)/ E             |
|                                                        |                                                        | S. A. Sma                                                                                  | 08                                       |                   | *                  |
| <b>4</b>                                               | •                                                      |                                                                                            | <del>-</del> <b>↓</b>                    |                   |                    |
|                                                        | <u> </u>                                               | Ens., USNR                                                                                 | F 5                                      |                   |                    |
| 16 to 18 Steaming a 1600 commenced axe                 | s before on course<br>rcising at steering              | 074° (T & pgc), 057<br>g casualty drill. 1                                                 | o (psc), speed 16.                       | 7 km ts<br>eering | (157 RE            |
|                                                        |                                                        | 9 & B. Roberto                                                                             | in gran                                  |                   |                    |
|                                                        |                                                        | R. B. ROBERTSON<br>Bos., USN                                                               | , Jr.                                    |                   |                    |
| 16 to 20                                               |                                                        | •                                                                                          |                                          | -                 |                    |
| Steaming a<br>1912 changed cours<br>074° (T & pgc), 09 | s before on course<br>te to 030° (T & pgc<br>7° (psc). | 074° (T & pgc), 057<br>), 013° (psc), for p                                                | (psc), speed 16.0<br>purposes of blowing | 7 knots<br>tubes. | (157 B)<br>1921    |
|                                                        |                                                        | R.M. Wialu                                                                                 |                                          |                   |                    |
|                                                        |                                                        | R. W. MIGLEY                                                                               | 7                                        |                   |                    |
| 20 to 24                                               | •                                                      | 2027                                                                                       |                                          |                   |                    |
| Steaming a<br>2030 changed cours                       | e to 089° (T& pgc                                      | 0740 (% & pgc), 057<br>), 074½ (psc) and a<br>waii Island, bearing                         | peed to 15.7 km ts                       | (147 I            | ₽¥). ∠             |
|                                                        |                                                        | Million                                                                                    | _                                        |                   |                    |
|                                                        |                                                        | it.(jg), USN                                                                               |                                          |                   |                    |
|                                                        |                                                        |                                                                                            |                                          |                   |                    |
|                                                        |                                                        |                                                                                            |                                          |                   |                    |
|                                                        | •                                                      |                                                                                            |                                          |                   |                    |
|                                                        |                                                        |                                                                                            |                                          |                   |                    |
|                                                        |                                                        |                                                                                            |                                          | •                 |                    |
|                                                        |                                                        |                                                                                            |                                          | •                 |                    |
| -                                                      |                                                        |                                                                                            |                                          |                   |                    |
| APPROVED                                               | ·                                                      |                                                                                            | INED:                                    |                   |                    |

. . .

| UNITED STATES SHIP | TURNER (DD834) |       |        | July    | _, 10_46 |
|--------------------|----------------|-------|--------|---------|----------|
|                    |                | (Day) | (Date) | (Month) |          |

Moored starboard side to pier H-3, Pearl Harbor, T.H., using standard destroyer mooring lines. Under Quarantine. Receiving fresh water from the pier. Boiler #3 steaming for auxiliary purposes. Ships present: Various units of the United States Pacific Fleet, yard and district craft. SBFA: CinCPac.

4 to 8

Moored as before.

8 to 12

Moored as before. 080, mustered crew at quarters. Absentees: None. 1000 made daily inspection of magazines and smokeless powder samples. Conditions normal, with the exception of a maximum recorded temperature of 100°F in 20MM ready service box #5. Made weekly inspection of magazine flood cocks sprinkling valves, and tested operating gear. Condition satisfactory.

12 to 16

Moored as before. 1330 the Captain held mast and awarded punishments as follows: PULLISHEENT-NATE RATE SERVICE No. OFFE:SE Direct disobedience of orders. Deck Court Martial F2c Four (4) hours Extra StM2c Shirking duty Duty. Two (2) hours Extra Failure to turn in camera. \$2c Duty. Two (2) hours Extra Failure to turn in camera. Slc Duty. Two (2) hours Extra Pailure to turn in camera. S2c Duty.

Loored as before. 1900 pursuant to Navked Form "G" the following maked men were transferred with bags, records, and transfer papers to U. S. Naval Base Hospital #10, for medical treatment and disposition:

GILL, Thomas (n)
PATTERSON, Eruce A., Slc \$2c PANTLASKI, Joseph L.,

LISN USN USN

> Œ. Ena., USN

· 20 to 24

THE TILL

Moored as before.

ba., USN

PRIVACY ACT MATERIAL REMOVED

24211-100

=

6

UNITED STATES SHIP PROTECT ( 1 ---)

TO DESCRIPTION (Description (Measure 19 )

C to h

Steaming independently enroute Ewajalein Atoll, Marshill Islands to Pearl Harbor, T.H., on course OFF (T & pgc), 074 (psc), speed 15.7 kmost (147 EFM). Boiler # 4 in use. Regular cruis no watch and material condition "Baser" set. 0057 commenced exercising at steering casualty drill.

R. S. SMITE Lt., USE.

Steaming as before on course 090° (T & pgc), 0742° (psc), speed 15.7 kmots (147 RPA).

0544 sighted land bearing 025°(T), distent 40 miles, indentified as Oahu. 0547 commenced exercising at steaming casualty drill. 0554 changed speed to 15 kmots (172 RPA). 0555 secured from steering casualty drill. 0600 Lighted fires under #3 boiler. Changed speed to 17 kmots (160 RF).

0645 exercisel crev at general quarters. 0655 cut #3 boiler in on man steam line. 0707 commenced firing on towed sleeve. 0736 changed course to 280° (T & pgc), 280° (psc), speed to 10 kmots

Lt.(jg), USK.

Steaming as before on course 200° (I & pgc), 250° (psc), speed 10 knots (090 RZi).

0800 ceased firing. Total ammunition expended, 35 rounds of 5"/32 caliber anti-aircraft projectiles, and smokeless powder cartridges, 112 rounds 40NN ammunition and 780 rounds of 20NN ammunition.

0804 changed speed to 22 knots (215 RPC). 0805 secured from general currers. 0853 changed course to 015° (T & pgc), 304° (psc). 0907 changed course to 005° (T & pgc), 354° (Psc). 0911 made. preparations to enter port. On various courses and at various speeds conforming with channel. 1005 moored forward and aft to buoys at berth "Kray Six" Pearl Harbor T. H. 1031 underway under boiler \$3 and \$4 enroute to berth "How Three", Pearl Harbor, T. H., flying quaranthe flag for suspected dysentery cases aboard. Ships Present: Various units of the Unite States Facific Fleet, including tugs and yard craft. 1100 Secured main engine and boiler \$4. 1102 secured special see details. Nade daily inspection of magazines and swokeless powder saroles, conditions normal.

Moleon Lt. (je), USN.

12 to 16

Meored as before. 1232 started receiving fresh water from dock. 1310 lt.Comdr. J. D. WELETCH (MC), USE, and Ensign E. R. HARRISON (HC), USE, and party came on beard to conduct a Medical survey for dysentery. 1315 commenced fueling thip. Draft forward 12'6", aft 13'. 1505 medical survey party left the ship. 1530 completed fueling ship having received on board 127135 gallons of fuel til at 60°F., 2899 gallons of Deisel oil. Draft of ship forward, 13', aft. 15'.

H. H. VARD, 3rd, Lt., USE.

16 to 20

Morred as before.

H. H. MARD, 3rd, Lt., USM.

20 to 24

Morred as before.

H. E. VAED, 3rd, Lt., USK.

APPROVE

TYAMINEE

Howardan

| Commander   U.S.M.   COMMANDING   Commander   U.S.M.   COMMANDING   Commander   U.S.M.   COMMANDING   Commander   U.S.M.   U.S.M.   Commander   U.S.M.   U   |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 17 10 10 20 21  18 20 16 085 7 8  2 2 20 16 085 6 7  2 2 20 16 085 6 7  2 2 20 16 085 6 7  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 17 10 10 20 21  18 20 16 085 7 8  2 2 20 16 085 6 7  2 2 20 16 085 6 7  2 2 20 16 085 6 7  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 7 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 16 085 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8  2 2 20 18 16 075 6 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 16 085 5 7  2 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 16 085 5 7  2 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2 cm   16 085 6 7 2 cm   16 085 6 7 2 cm   16 085 6 8 2 cm   16 060 7 8 2 cm   16 065 7 8 2 cm   16 065 7 8 2 cm   16 080 6 8 2 cm   16 075 6 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2 cn 6 085 6 R 2 cn 6 060 7 R 2 cn 6 065 7 R 2 cn 6 065 7 R 2 cn 6 065 7 R 2 cn 6 080 6 R 2 cn 6 075 6 R 2 cn 8 16 075 6 R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| 2 cu i 16 06 7 5 2 cu 16 065 7 8 2 cu 16 065 7 8 2 cu 16 065 7 8 2 cu 16 080 6 8 2 cu 16 075 6 8 2 cu 18 16 075 6 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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