OPNAV FORM 3530/2 (7-74)

PRIMARY

RED 8,
YEL 10FT
MINEX 12FT

RECORD GYRO BEARINGS

PLACE PEARL HARBOR, HI (OUTBD) CHART # 19366

GYRO ERROR 0
VBE [redacted]
TRANS 0

(6-1)

DATE TIME	~~SIGNAL~~ ~~DIVE~~	~~MERRY~~ ~~TYE~~	~~DIVE~~ ~~MERRY~~	GP	CG	DEPTH
~~0820~~ 09 FEB81						
0715	237.7 ~~104.9~~	155.6 ~~135.6~~	103.8	21 21'23"N 157° 56' 44"W	21° 21' 23"N 157° 56.44"W	31 FT.
0757	SHIP IS UNDERWAY.					
0800				[redacted] 18		31 FT
0803				[redacted]		32 FT
0806				[redacted]		32 FT
0809				[redacted] 17		27 FT
0811	<DIVE> 284.9	<DOCK> 247.8		[redacted]		30 FT
0812	<LIT 17> 246.0	<DOCK> 225.1		[redacted]		29 FT
0813	245.6	206.1	<FORD>			32 FT
0814	245.5	117.1	300.7			28 FT
0820 ~~0817~~	242.7	<LIT 18> 202.6	<SIGNAL> 102.5	13		32 FT
0821	<LIT 16> 190.7	142.2				30 FT
0822	099.4	170.4				33 FT
0823	111.1	067.9				30 FT
0824	<REAR> 194.2	<HICKAM> 126.2	<LIT 13> 195.6			36 FT
0827	<LIT 7> 179.1	094.1	229.4			35 FT
0830	178.6	057.3	336.2	VBE .2W		33 FT
0833	REAR 255.4	036.2	<LIT 6> ~~16~~ 162.0			32 FT

(6-1)

DECLASSIFIED

Tab 5

RED 8 FT
YEL 10 FT
MIN EX 12 FT

RECORD GYRO BEARINGS

PEARL HARBOR, HI (OUTBD)
PLACE CHART # 19366

GYRO ERROR
VBE [redacted]
TRANS

DATE TIME	CIT 6	CONTROL	HICKAM	REAR		DEPTH
09 FEB 01						
0835	158.9	102.2	027.4	303.7		35 FT
0840 ~~0839~~ DDS.	135.8	<REAR> 332.0	012.3			25 FT
0842	<CONTROL> 085.7	333.0	008.6	[redacted]		29 FT
0845	077.1	333.5	002.6			30 FT
0848	062.9	333.4	<FAA> 300.2			30 FT
0851	043.4	335.0	316.3	<GP>		28 FM
0854				[redacted] LIL		133 FM
0856	SHIFT TO CHART 19357		RED 30 FM YEL 80 FM MIN EX 94 FM			
0900				21° 15.802 N 157° 57.099 W		185 FM
0906				21° 14.07 N 157° 57.00 W		222 Fm
0907	PROPERLY RELIEVED BY (b3/66 J			[redacted] (b3/66 J		
0912				21° 13.5 N 157° 07.1 W		242 Fm
0918				21° 10.6 N 157° 57.2 W		259 Fm
0924				21° 11.6 N 157° 57.3 W		279 Fm
0930				21° 10.8 N 157° 57.4 W		263 Fm
0936				21° 10.0 N 157° 57.5 W		Fm
0940				21° 09.3 N 157° 57.5 W		Fm

STANDARD BEARING BOOK
OPNAV FORM 3530/2 (7-74)

UNCLASSIFIED

RECORD GYRO BEARINGS

REL 5FT 30FM
YEL 10F 80Fm
MINEX 94Fm

PEARL HARBOR LAUTBD (WBB)
PLACE CHART #

GYRO ERROR
VBE [redacted]
TRANS

(b)(1)

DATE TIME W				GP	CG	DEPTH
09 FEB 01						
1500				21° 05.1 N 157° 48.9 W	21° 05.1 N 157° 48.9 W	309 Fm
1515				21° 04.9 N 157° 49.1 W	21° 04.9 N 157° 49.1 W	310 Fm
1530				21° 05.0 N 157° 48.5 W	21° 05.0 N 157° 48.5 W	287 Fm
1545				21° 05.3 N 157° 48.1 W	21° 05.3 N 157° 48.1 W	295 Fm
1600				21° 04.7 N 157° 48.6 W	21° 04.7 N 157° 48.6 W	283 Fm
1615				21° 04.5' N 157° 49.7' W	21° 04.5' N 157° 49.7' W	283 Fm
1617	PROPERLY	RELIEVED	BY [b3 / b6]			
1630				21 05.2 N 157 49.0' W	21 05.2' N 157 49.0' W	289 Fm
1645				21 05.0' N 157 48.4' W	21 05.0' N 157 48.4' W	287 Fm
1700				21 04.4' N 157 48.3' W	21 04.4' N 157 48.3' W	278 Fm
1730				21 04.7' N 157 48.4' W	21 04.7' N 157 48.4' W	283 Fm
1800				21° 03.9 N 157° 50.1 W	21° 03.9 N 157° 50.1 W	283 Fm
	PROPERLY	RELIEVED	BY [b3 / b6]			
1830				21° 03.5 N 157° 52.7 W	21° 03.5 N 157° 52.7 W	283 Fm
1900				21° 03.2 N 157° 55.6 W	21° 03.2 N 157° 55.6 W	250 Fm
1930				21° 02.9 N 157° 57.9 W	21° 02.9 N 157° 57.9 W	300 Fm
2000				21° 03.3 N 157° 56.4 W	21° 03.3 N 157° 56.4 W	226 Fm
2030				21° 03.7 N 157° 54.7 W	21° 03.7 N 157° 54.7 W	255 F

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(3)

OPNAV FORM 3530/2 (7-74)

UNCLASSIFIED

RED 30
YEL 80
MIN EX 94

RECORD GYRO BEARINGS

PEARL HARBOR
PLACE CHART # 19339

GYRO ERROR
VBE [redacted]
TRANS

(b)(1)

DATE TIME W				GP	CG	DEPTH
09FEB01						
2100				21° 03.3 N	21° 03.3 N	
2030				157° 55.1 W	157° 35.1 W	250 Fm
2130				21° 02.5 N	21° 02.5 N	
				157° 56.9 W	157 56.9 W	223 Fm
2200				21° 01.3 N	21° 01.3 N	
				157° 56.5 W	157° 56.5 W	228 Fm
2230				21° 00.9 N	21° 00.9 N	
				157° 54.8 W	157° 54.8 W	301 Fm
2300				21° 00.5 N	21° 00.5 N	
				157° 53.0 W	157° 53.0 W	288 Fm
2330				21 00.7 N	21 00.7 N	
				157° 53.5 W	157° 53.5 W	275 Fm
	PROPERLY	RELIEVED	BY	[illegible]		

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RECORD GYRO BEARINGS

NCU 30
YEL 80
MIN EX 94

PEARL HARBOR
PLACE CHART # 19339

GYRO ERROR
VBE [redacted]
TRANS

DATE TIME		SET	SET / DRIFT	GP	CG	DEPTH
10 FEB 01 ~~0000~~						
0000		332°	1.1 KTS	20 59.6 157 55.4	20 59.6 157 55.4	284 Fm
0030		342°	1.2 KTS	20 58.1 157 56.6	20 58.1 157 56.6	267 Fm
0100			320° / .8 KT	20 56.5 157 58.2	20 56.5 157 58.2	582 Fm
0130			322° / .3 KT	20 56.7 157 56.6	20 56.7 157 56.6	271 FMS
0200			015° / 1.1 KT	20 55.6 157 54.6	20 55.6 157 54.5	264 FMS
0230			003 / .5 KTS	20 57.8 157 54.2	20 57.8 157 54.2	289 FMS
0300			020 / .7 KT	21 00.6 157 54.5	21 00.6 157 54.5	276 FMS
0330			030 / 1.2	21 01.5 157 55.1	21 01.5 157 55.1	287 FMS
0400			324 / .7	21 04.1 157 56.0	21 04.1 157 56.0	314 Fm
0430	PROPERLY RELIEVED BY [illegible] 3/665					
			278 / 1.5 KT	21 02.7 N 157 56.3 W	21 02.7 N 157 56.3 W	240 Fm
0500			285 / 2.2 KT	21° 04.9 N 157° 56.5 W	21° 04.9 N 157° 56.5 W	305 Fm
0530			220 / 1.1 KT	21 04.9 N 157 56.4 W	21 04.9 N 157 56.4 W	305 Fm
0600			353 / 1.1 KT	21 07.7 N 157 56.9 W	21 07.7 N 157 56.9 W	279 Fm
0615			354 / 1.0 KT	21 09.1 N 157 57.1 W	21° 09.1 N 157° 57.1 W	275 Fm
0618	PROPERLY RELIEVED BY [illegible]					
0630			303 / .8 KT	21 10.7 157 57.2	21 10.1 157 57.2	242 Fm
0645			306 / .3 KT	21 11.9 157 57.1	21°11.9 157 57.1	278 Fm

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OPNAV FORM 3530/2 (7-74)

REEL 3

RECORD GYRO BEARINGS

YEL 8'0

MIN EX 9'4

PEARL HARBOR (INBD)

PLACE CHART # 19357

GYRO ERROR 0

UBE [redacted]

TRANS 0

(6X1)

DATE TIME			SET / DRIFT	G-P	C-L	DEPTH
0700			302 / 1.2KT	21 12.9 157 56.8	21 12.9 157 56.8	250 FMS
	<HICKAM>	<CONT ~~REAR~~>	<DIAMOND>			
0715	350.2	008	078	21 13.2 157 56.4	21 13.2 157 56.4	238 FMS
0730	344.0	001.6	079	21 14 157 56.8	21 14 157 56.8	238 FMS
0745	330.2	353.0	078.3	21 14.1 157 55.0	21 14.1 157 55.0	242 FMS
0800				21 14.0'N 157 55.6'W	21 14.0'N 157 55.6W	239 FM ✓
0815				21 14.4'N 157 56.3'W	21 14.4'N 157 56.3'W	230 FM ✓
0821				21 ~~155~~.0 W 157 56.4 W	21 13.0 N 157 56.4 W	218 FM
0827	<HICKAM>	<CONTROL>	<REAR>	21 15.5 N 157 56.5 W	21 15.5 N 157 56.5 W	205 FM
0833	015.2	346.1	335.2	21 16.1'N 157 56.5'W	21 16.1'N 157 56.5W	220 FM
0835	SHIFT TO CHART 19366		RED 8 FT	YEL 10 FT	WIN EX 12 FT	
0836	345.7	017.2	334.2			181 FM
0839	<FAA> 316.0	019.7	<HICKAM> 345.4			55 FM
0842	<CONTROL> 024.3	022.8	346.2	328 329.5 334.8 334.4		127 FM
0845	<REAR> 332.7	028.6	347.1			60 FM
0848	332.9	034.4	348.3			40 FM
0851	333.0	040.4	349.7			33 FM
0854	333.0	046.8	<LIT 6> 336.3			13 FM
0857	333.1	053.8	<HICKAM> 353.2	[redacted]		29 FT

(6-1)

UNCLASSIFIED

OPNAV FORM 3530/2 (7-74)

RECORD GYRO BEARINGS

RED 8
YEL 10
MIN EX 12
GYRO ERROR 0
VBE [redacted]
TRANS 0

PEARL HARBOR, HI (INBD)
PLACE CHART # 19366

DATE TIME	CONTROL	HICKAM	REAR			DEPTH
16 FEB 01						
0900	059.9	355.2	333.2			30 FT
0903	066.4	357.6	333.2			30 FT
0906	072.3	000.2	333.1			27 FT
0909	<LIT 13> 345.9	003.3	333.2			27 FT
0914	348.8	010.1	333.4			29 FT
0915	349.7	012.2	332.6	[redacted]		25 FT
0918	350.4	016.2	328.7			32 FT
0924	352.1	028.0	300.8			24 FT
0926	<LIT 16> 005.6	033.9	350.9			25 FT
0929	<LIT 18> 348.1	040.1	<LIT 16> 006.2			37 FT
0932	348.0	042.0	006.7			30 FT
0935	349.0	043.6	007.6			32 FT
0938	349.2	044.2	007.7			35 FT
0941	349.9	044.0	007.9			35 FT
0944	350.9	044.1	008.3	[redacted]		34 FT
0947	345.7	052.1	009.3			24 FT
0950	317.4	072.2	<LIT 17> 351.7			24 FT
0956	<LIT 16> 055.6	<FORD> 031.2	314.0			25 FT

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RECORD GYRO BEARINGS

RED 8 FT
YEL 10 FT
MINEX 12 FT

PEARL HARBOR, HI (INBD)
PLACE CHART # 19366

GYRO ERROR 0
VBE [redacted]
TRANS 0

DATE TIME	LIT 16	LIT 18				DEPTH
10 FEB 01						
0958 ~~0858~~ DDS.	<LIT 18> 072.8	<LIT 16> 129.9				28 FT
0959 ~~0859~~ DDS.	<LIT 16> 167.9	<LIT 18> 093.8				26 FT
1000 ~~0900~~ DDS.	191.1	124.4	<LIT 18>			23 FT
1001 ~~0901~~ DDS.	<SIGNAL> 097.6	<FORD> 028.1	~~DOCK~~ DDS. 209.6			25 FT
1004 ~~0904~~ DDS.	111.3	010.0	<DIVE> 084.9			25 FT
1010	169.9	302.5	096.9			25 FT
1011	<DOCK> 195.6		099.9			24 FT
1012	245.5		101.1			24 FT
1013	~~<SIGNAL>~~ DDS 262.7	<MERRY>	100.3			23 FT
1014	<SIGNAL> 210.6	122.2	097.2			22 FT
1017	233.0	118.4	083.4			23 FT
1020	242.8	127.4	075.9			19 FT
1023	241.6	141.0	082.4			19 FT
1026	240.3	152.3	091.9			21 FT
1029	239.3	157.5	102.0			20 FT
	SHIP IS MOORED.					

[b3/b6]

UNCLASSIFIED

USS GREE[illegible]VILLE SSN-772
WAYPOINT LIST
PEARL HARBOR

CHART	WAYPOINT	LATITUDE	LONGITUDE
19357	10	21-14-48.0N	157-55-40.6W
19357	11	21-16-06.0N	157-56-23.0W
19366	12	21-19-07.5N	157-58-00.5W
19366	13	21-19-13.5N	157-58-03.5W
19366	14	21-19-49.0N	157-58-11.5W
19366	15	21-19-54.5N	157-58-13.0W
19366	16	21-20-51.5N	157-58-10.0W
19366	17	21-21-08.0N	157-58-00.0W
19366	18	21-21-26.5N	157-57-23.0W
19366	19	21-21-25.0N	157-57-02.0W
19366	20	21-21-19.0N	157-56-56.5W
19366	21	21-21-12.0N	157-56-44.0W
19366	22	21-21-11.0N	157-56-27.5W
19366	23	21-21-22.0N	157-57-00.0W
19366	24	21-21-26.5N	157-57-23.5W
19366	25	21-21-12.0N	157-57-56.5W
19366	26	21-20-49.5N	157-58-11.0W
19366	27	21-20-27.0N	157-58-06.5W
19366	28	21-20-42.5N	157-58-05.5W
19366	29	21-20-12.0N	157-58-12.0W
19364	30	21-17-36.0N	157-57-11.0W
19364	31	21-17-15.5N	157-57-11.0W
19364	32	21-16-35.0N	157-57-35.5W
19364	33	21-16-23.0N	157-57-55.5W
19364	34	21-16-20.0N	157-58-32.0W
19364	35	21-16-00.0N	157-58-56.0W
19364	36	21-15-12.0N	157-59-00.0W
19364	37	21-16-49.5N	157-56-47.0W
19364	38	21-16-40.0N	157-56-38.5W
19364	39	21-16-06.5N	157-55-55.5W
19364	40	21-16-00.0N	157-55-38.0W
19364	41	21-16-00.0N	157-55-00.5W
19364	42	21-15-43.5N	157-54-42.0W
19364	43	21-14-54.0N	157-54-42.0W

PREPARED(QM): [illegible] SUBMITTED(ANAV): [illegible] (b)(3)/(b)(6)

REVIEWED(NAV): [illegible] REVIEWED(XO): [illegible]

APPROVED(CO): [illegible] 6-20-97

SUB TOWER	21-21.3N	157-56.6W	TOWER
ALAMOANA BLDG.	21-17.5N	157-50.6W	BLDG.
AIEA STACK	21-22.8N	157-55.7W	STACK
"15"	21-20.8N	157-58.3W	Fl G 4s
"16"	21-20.9N	157-58.1W	QR
HICKAM WHARF	21-19.5N	157-57.9W	DOCK
WEST PORT	21-18.2N	157-57.0W	END RUNWAY
SAND PT	21-18.0N	157-53.1W	POINT OF LAND
CHANNEL POINT	21-17.8N	157-52.2W	POINT OF LAND

PREPARED(QM): [illegible] SUBMITTED(ANAV): [illegible] (b)(3)/(b)(6)

REVIEWED(NAV): [illegible] REVIEWED(XO): [illegible]

APPROVED(CO): [illegible] 6-20-97

U.S. GOVERNMENT PRINTING OFFICE: 1994—507-882

USS GREENEVILL SN-772
NAVIGATION LIST
PEARL HARBOR

NAVAID	LOCATION		CHARACTERISTICS
KAHE	21-21.8N	158-07.7W	STACK
BARBERS	21-17.8N	158-06.4W	Fl 7.5s
REAR	21-10.9N	157-58.4W	FG
FRONT	21-19.6N	157-58.3W	FR
TRIPLER	21-21.6N	157-53.4W	TOWER
TV TOWER	21-17.6N	157-50.5W	TOWER
HEAD	21-15.4N	157-48.6W	Oc(2) 10s
KOKO	21-16.3N	157-43.0W	Fl G 4s
MAKAPUU	21-18.6N	157-39.0W	Oc 10s
FAA ANT	21-19.3N	157-59.4W	ANTENNAE
S. CONTROL	21-19.2N	157-55.1W	CONTROL TOWER
SHED "2"	21-19.2N	157-58.2W	SHED
LT. "6"	21-19.1N	157-57.9W	Fl R 4s
TOWER "42"	21-20.1N	157-57.8W	Fl R
HICKAMTOWER	21-20.6N	157-57.7W	FR
HOSPITAL TK.	21-20.9N	157-57.9W	TANK
WAIPO LT.	21-20.5N	157-58.3W	Oc G 4s
N. BALTIMORE	21-21.2N	157-59.1W	FG
S. BALTIMORE	21-21.1N	157-59.0W	FG
LT. "21"	21-21.3N	157-58.0W	QG
LT. "35"	21-21.5N	157-58.2W	Fl G 2.5s
N. CONTROL	21-21.6N	157-57.7W	AERO
SIGNAL TOWER	21-21.0N	157-57.3W	SIGNAL TOWER
MERRY LT.	21-21.1N	157-57.6W	FG
SUB TOWER	21-21.3N	157-56.6W	TOWER
ALAMOANA BLDG.	21-17.5N	157-50.6W	BLDG.
AIEA STACK	21-22.8N	157-55.7W	STACK
"15"	21-20.8N	157-58.3W	Fl G 4s
"16"	21-20.9N	157-58.1W	QR
HICKAM WHARF	21-19.5N	157-57.9W	DOCK
WEST PORT	21-18.2N	157-57.0W	END RUNWAY
SAND PT	21-18.0N	157-53.1W	POINT OF LAND
CHANNEL POINT	21-17.8N	157-52.2W	POINT OF LAND

PREPARED(QM): [redacted] SUBMITTED(ANAV): [redacted] (b)(3)/(b)(6)

REVIEWED(NAV): _____ REVIEWED(XO): _____

APPROVED(CO): _____ 6-20-97

U.S. GOVERNMENT PRINTING OFFICE: 19