

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

AOCWF1

Flt ID: 010131D	From: PIAOL	To: PIAOL
Flt No.: 01-014	Blk In: 0251Z	ATA: 0246
ETD: 20Z	Blk Out: 2000Z	ATD: 2012
ETE: 7	Blk Time: 6:51 (6.9)	Flt Time: 6:34 (6.6)
Sponsor Org: NCCP	Program: WSA-01	Purpose: Track 35

AOC Personnel

AC: McCann / Yates ✓	Sys Eng: Hill ✓
CP: Finkle	Data Sys: Lind ✓
Nav:	Radar:
FE:	GPS/RT: McMillan ✓
Avionics:	Cld Phys:
FD: Parrish ✓	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Dorst, D. ✓	HAPS	HRD

Proposed/Actual Mission/Remarks (Recco, Fixes, Storm, PENET, NHOP #)

1952Z Slight delay due to anti-icing circuit on O3 probe.
 080/12 Saw about 510-520 ppb in O3 probe at end of pattern. Time of peak 2339Z.
 26/19 2998 mb, 55 kt WNW sur wind at Drop 8. SW of SW low. Second peak 450 ~ 0010Z.
 30-12 O3 well over 500, ~~up to 740~~ up to 740 ppb. 0020-0034Z.
 25/17 15 drops all good - 2 with slightly late winds.
 1018.1

92X 2340Z 8
Total 68 (998)

Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _s	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
2000	21 19	157 55					27	17				1018.9	0.2	Mock Out
2020	21 22	157 22	43	41	21	15	-6	-17	5391	5162		526	158	↑
202930	22 17	156 51	157	13	346	15	-36	-24	9325	8957	-	3024	144	↑
205445	24 45	155 39	40	31	338	35	-65.8	-	12909	12548	-	176.1	89	-41K
212310	27 15	153 15	46	39	318	28	-68.3	-72.6	12858	12547	-	176.1	88	Drop 1 winds in 70 sec
214421	29 00	151 00	39	30.6	286	30.9	-69.3	-73.5	12806	12546	-	176.4	88	Drop 2 ✓
220352	31 00	149 15	30	208	275	38	-69	-78	12751	12540		176.3	88	Drop 3 ✓
222129	33 00	148 00	14	3.7	265	39	-68	-74	12679	12538	-	176.5	87	Drop 4 ✓
224159	35 30	147 30	~	~	268	30	-59	-71	13182	13118				Drop 5 ✓
225959	37 30	148 30	329	318	257	38	-55	-70	13099	13123		160	81	Drop 6 ✓
231809	39 15	150 00	369	299	251	45	-52	-65	13003	13119		160	79	Drop 7 ✓ Sw 200/50 2351
233636	40 14	152 15	276	271	252	39	-48	-64	12943	13122		160	74	Drop 8 ✓
235539	40 00	154 45	244	244	252	36	-48.2	-62.9	12931	13115		160		Drop 9 slightly like winds
001454	39 00	157 00	224	229	261	37	-48.9	-63	12956	13114		160	74	Drop 10 ✓
003244	37 30	158 30	206	215	271	42	-52.5	-64.6	13038	13117		160	79.7	Drop 11 82 m/s @ 260 ms
004918	35 45	159 30	190	200	276	45	-55.3	-65.8	13134	13114		160	81	Drop 12 83 m/s @ 250 ms
010737	33 30	159 45	176	186	287	45	-60.	-68	13226	13115		160	80	Drop 13 ✓
002613	31 00	159 30	175	184	303	50	-63	-70	13328	13116		160	80	Drop 14 ✓
004421	28 30	159 15	174	182	306	40	-64	-71	13439	13115		160	81	Drop 15 ✓
020645	25 36	158 58	173.5	179.9	308	38	-64.4	-70.4	13495	13109		160.4	87.5	
0219	23 38	158 42	↓	↓	land									
0229	22 18	158 32	174	172	34	9	-15	-24	6669	6333		455	157	↓
0251	21 19	157 54.8					25	16						

N49RF Winter 01 / AVAPS DropSonde Log

N49RF Project: WS 2001

Flight ID: 010131N

Mission: NCEP

Flight #: 3

System Status: UP

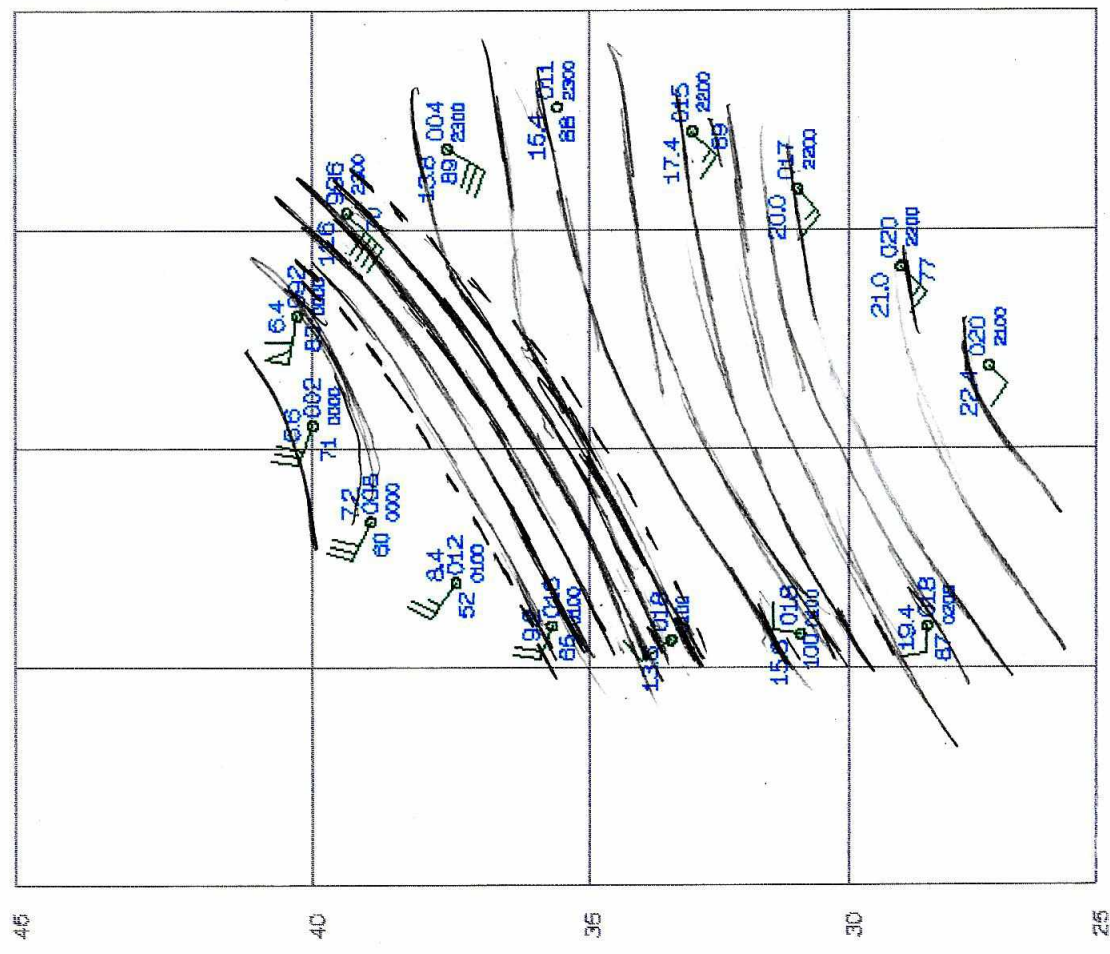
[illegible]

45 -165 -160 -155 -150 -145

45 WINTERSTOR

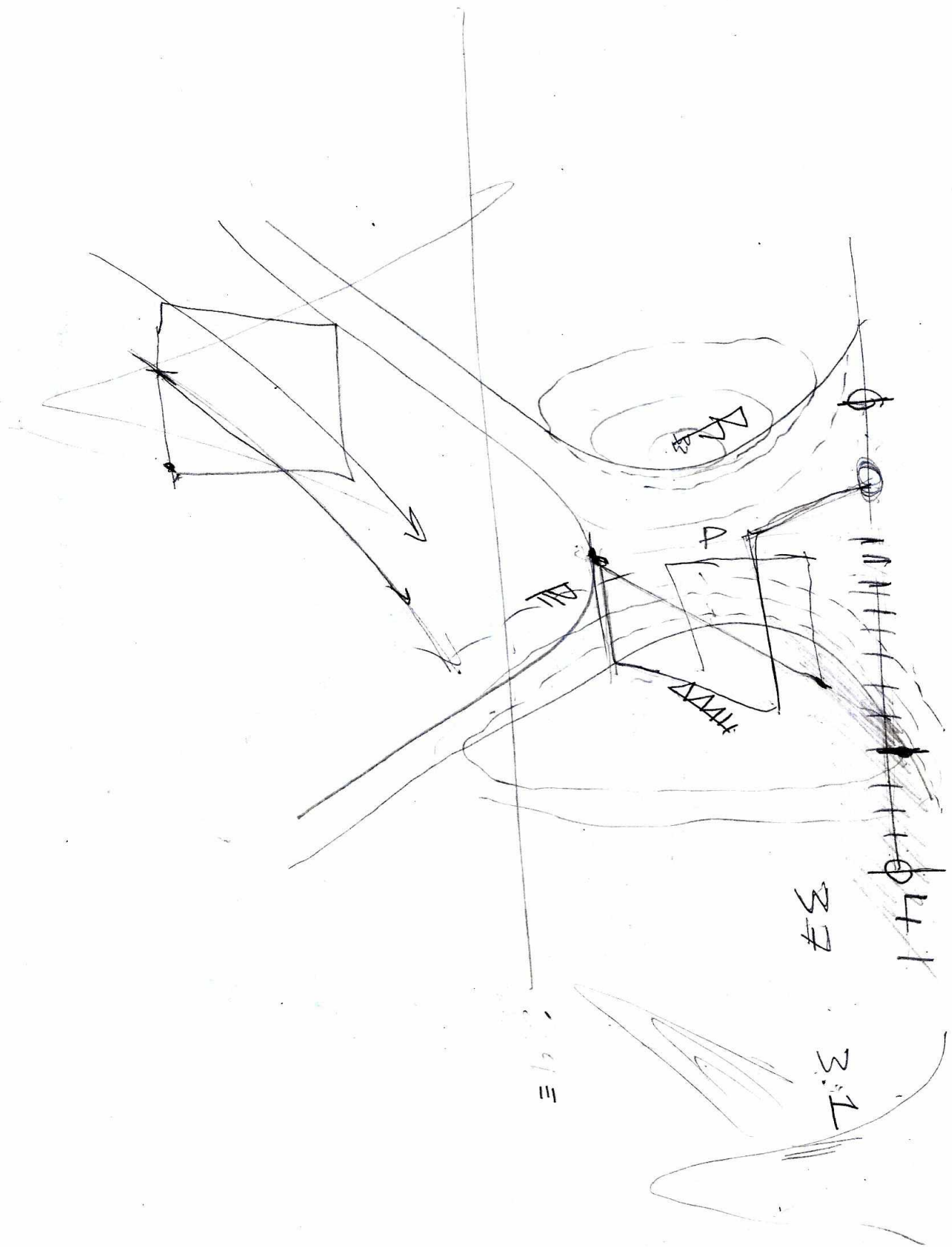
Surface

Date: 010131
Time: 20-32 UTC



EARTH RELATIVE

NOAA/ERL HURRICANE RESEARCH DIVISION



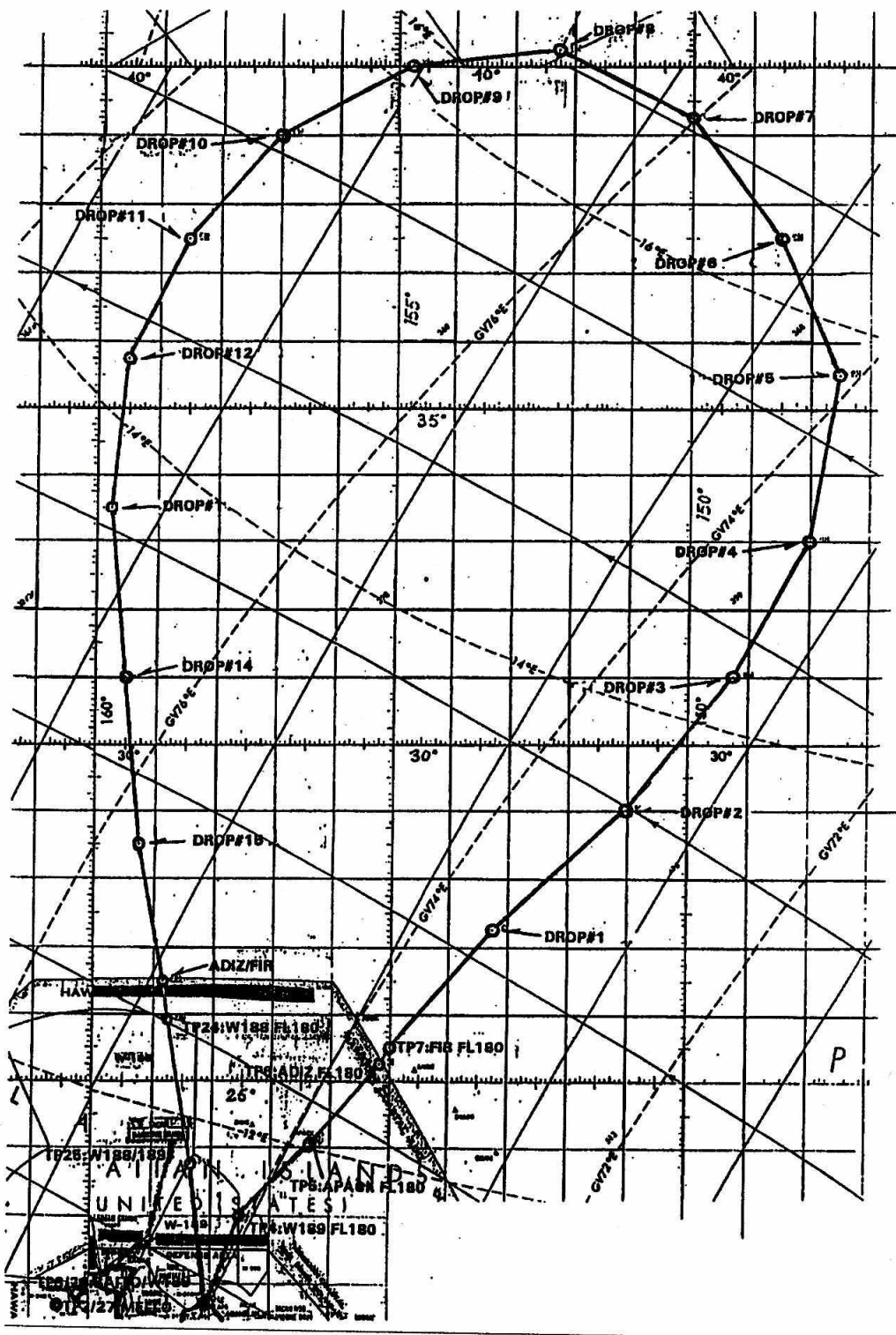


Figure H-5. Air Force Track WSRP35.

check coordinates with current FLIP products.

3.0 for the WC-130H
P: 5 OCT 0

ROUTE NAME: [REDACTED]
DATE SPUN: 25 OCT 0

AIRCRAFT CDR	TAIL #	HONOLULU INTL N 21 18.97 FM: W157 55.60	HONOLULU INTL N 21 18.97 TO: W157 55.60	TOTAL DIST 2812	TOTAL TIME 10+39	ESA 6500
--------------	--------	---	---	--------------------	---------------------	-------------

CLEARANCE

NAVIGATOR'S SIGNATURE

FIX WPT	ROUTING LAT LONG	STATION ELEV VAR	FREQ	HDG DELTA BANK	TC MC	TRUE W/V DRIFT	HDG TRUE VAR MAG	CAS TAS GS	SPN ALT TURN TEMP	DIST ZD TD TDR	TIME ZONE TT TTR	ETA RETA	ATA A/B	RMK
PHIK/A	N 21 18.97 W157 55.60	HONOLULU INTL 13 10.3E		0	052 042		052 10.3E 042		13M +28C	0 0 2812	00+00 00:00 10+39	00:00		
MKK/W	N 21 08.29 W157 10.04	MOLOKAI 1421 11.0E 116.1	108X	0	104 094		104 11.0E 094	N/A N/A	14448M -1C	44 44 2768	00+13 00:13 10+26	00:13		
MAGGI/W	N 21 50.43 W156 57.94	MAGGI unk 10.4E		0	015 005	280/040 -8	007 10.4E 356	209 280 281	18000M -8C	44 87 2725	00+11 00:24 10+15	00:24		
TOADS/W	N 22 46.16 W156 41.76	TOADS unk 10.6E		0	015 005	280/040 -8	007 10.6E 356	209 280 281	18000M -8C	58 145 2667	00+12 00:36 10+03	00:36		
APACK/W	N 24 02.62 W156 19.17	KMKK/R004180 unk 10.9E 116.1	108X	0	015 004	280/040 -8	007 10.9E 356	209 280 281	18000M -8C	79 224 2588	00+17 00:53 09+46	00:53		
.TP 6	N 25 15.00 W155 10.00	ADIZ unk 11.2E		0	041 030	280/040 -7	034 11.2E 023	209 280 298	18000M -8C	96 320 2492	00+19 01:12 09+27	01:12		
.TP 7	N 25 30.00 W155 00.00	FIR-KZAK unk 11.2E		0	031 020	280/040 -8	023 11.2E 012	209 280 292	18000M -8C	18 338 2474	00+04 01:16 09+23	01:16		
.TP 8	N 27 15.00 W153 15.00	DROP#1 unk 11.8E		0	041 030	280/040 -7	034 11.8E 023	209 280 299	18000M -8C	141 479 2333	00+28 01:44 08+55	01:44		
.TP 9	N 29 00.00 W151 00.00	DROP#2 unk 12.4E		0	048 036	280/040 -6	042 12.4E 030	209 280 303	18000M -8C	159 637 2175	00+31 02:16 08+23	02:16		
.TP 10	N 31 00.00 W149 15.00	DROP#3 unk 13.1E		0	037 024	280/040 -7	029 13.1E 017	189 280 296	24000M -20C	151 788 2024	00+31 02:46 07+53	02:46		
.TP 11	N 33 00.00 W148 00.00	DROP#4 unk 13.7E		0	028 014	280/040 -8	020 13.7E 007	189 280 289	24000M -20C	136 924 1888	00+28 03:14 07+24	03:14		
.TP 12	N 35 30.00 W147 30.00	DROP#5 unk 14.5E		0	009 356	260/050 -10	360 14.5E 346	189 280 292	24000M -20C	152 1076 1736	00+31 03:46 06+53	03:46		
.TP 13	N 37 30.00 W148 30.00	DROP#6 unk 14.9E		0	338 324	260/050 -10	328 14.9E 314	189 280 266	24000M -20C	129 1205 1607	00+29 04:15 06+24	04:15		
.TP 14	N 39 15.00 W150 00.00	DROP#7 unk 15.2E		0	327 312	260/050 -9	317 15.2E 302	189 280 256	24000M -20C	126 1332 1480	00+30 04:44 05+54	04:44		

ROUTE NAME: A:\WSRP35.rte

FORM: MPLAN_HL.FRM ver 1

STATION	HDG DELTA	TC	TRUE W/V	HDG TRUE VAR	CAS TAS	SPN TURN	ALT TEMP	DIST ZD TD	TIME ZONE TT TTR	ETA RETA	ATA A/B	RMK
		MC	DRIFT	MAG	GS			TDR				
DROP#8	0	301	260/050	294	189	24000M		120	00+30	05:14		
40 15.00 unk				15.0E	280			1452	05:14			
W152 15.00 15.0E		286	-7	279	240	-20C		1361	05+25			
DROP#9	0	263	260/060	263	189	24000M		116	00+32	05:46		
N 40 00.00 unk				14.5E	280			1567	05:46			
W154 45.00 14.5E		248	-1	248	220	-20C		1245	04+53			
.TP 17 DROP#10	0	241	260/060	245	169	30000M		120	00+32	06:18		
N 39 00.00 unk				13.8E	280			1687	06:18			
W157 00.00 13.8E		226	4	230	223	-30C		1125	04+21			
.TP 18 DROP#11	0	219	260/060	227	169	30000M		114	00+30	06:48		
N 37 30.00 unk				13.2E	280			1802	06:48			
W158 30.00 13.2E		205	8	213	232	-30C		1010	03+51			
.TP 19 DROP#12	0	205	260/075	218	169	30000M		116	00+30	07:18		
N 35 45.00 unk				12.7E	280			1917	07:18			
W159 30.00 12.7E		192	13	204	230	-30C		895	03+21			
.TP 20 DROP#13	0	185	280/060	198	169	30000M		136	00+29	07:47		
N 33 30.00 unk				12.3E	280			2053	07:47			
W159 45.00 12.3E		173	12	185	278	-30C		759	02+52			
.TP21 DROP#14	0	175	280/060	187	169	30000M		151	00+31	08:18		
N 31 00.00 unk				11.9E	280			2203	08:18			
W159 30.00 11.9E		163	12	175	289	-30C		609	02+20			
.TP 22 DROP#15	0	175	280/060	187	169	30000M		151	00+31	08:50		
N 28 30.00 unk				11.5E	280			2354	08:50			
W159 15.00 11.5E		163	12	175	289	-30C		458	01+49			
.TP 23 ADIZ / FIR	0	169	280/060	181	169	30000M		122	00+25	09:14		
N 26 30.00 unk				11.1E	280			2476	09:14			
W158 50.00 11.1E		158	12	170	295	-30C		336	01+24			
.TP24 W188	0	173	280/060	184	169	30000M		35	00+07	09:22		
N 25 55.00 unk				11.1E	280			2511	09:22			
W158 45.00 11.1E		162	12	173	292	-30C		301	01+17			
.W188-189	0	178	280/060	190	194	24000M		160	00+34	09:55		
N 23 15.00 unk				10.6E	280			2671	09:55			
W158 40.00 10.6E		167	12	179	286	-33C		141	00+44			
HAULI/W HAULI	0	176	280/060	176	N/A	5000M		90	00+19	10:14		
N 21 45.34 unk				10.4E	N/A			2761	10:14			
W158 33.82 10.4E		166	0	166	N/A	+18C		51	00+24			
BOOKE/W BOOKE	0	160	280/060	171	255	5000M		19	00+04	10:18		
N 21 27.79 unk				10.3E	280			2780	10:18			
W158 26.99 10.3E		150	11	160	305	+18C		32	00+21			
SHIGI/W SHIGI	0	121	280/060	126	259	4000M		18	00+03	10:21		
N 21 18.25 unk				10.3E	280			2798	10:21			
W158 10.29 10.3E		111	4	116	335	+20C		14	00+17			
PHNL/R HONOLULU	0	089	280/060	087	265	4000M		13	00+02	10:24		
N 21 18.50 10 095X				11.0E	280			2812	10:24			
W157 55.83 11.0E 114.8		079	-2	076	339	+7C		1	00+15			
PHIK/A HONOLULU INTL	0	024	280/060	012		13M		1	00+15	10:39		
N 21 18.97 13				10.3E				2812	10:39			
W157 55.60 10.3E		013	-12	001		+15C		0	00+00			

ROUTE NAME: A:\WSRP35.rte

FORM: MPLAN_HL.FRM ver 1

2115