U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.1 OAOWF1 FILE

FLT ID: 950827H	FM: TBTP	TO: TBTP
FLT NO: 95-41	BLK IN: 0148	ATA: 0237
ETD: 16Z	BLK OUT: 1600	ATD: 1609
ETE: 9	BLK TIME: 9:40 (9.7)	FLT TIME: 9:28 (9.5)
SPONSOR ORG: HRD	PROGRAM: ASSAACA	PURPOSE: T's, IR's

OAO PERSONNEL

AC McKim ✓	SYS ENG Goldstein ✓
CP O'Mara ✓	DATA SYS Boles ✓
NAV Strong ✓	RADAR Burr ✓
FE Wade, S. ✓	BT/ODW Gonzales ✓
RADIO Arnason ✓	CLD PHYS
FD Parrish ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Black, P. ✓	I.F.	HRD
Black, M. ✓	Radar	
Gamache, J. ✓	Radar	
Kaplan, J. ✓		
Smith, R. ✓		

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

Fly long butterfly pattern. First ↘, then ↗, then home.

FIX 1715Z 16°48'N, 61°48'W 998 mb

2005 - Bal WD - reading cold,

FIX 2133Z 17°23'N, 61°49'W 994 mb

FIX 001730Z 17°39'N, 61°58'W 992 mb

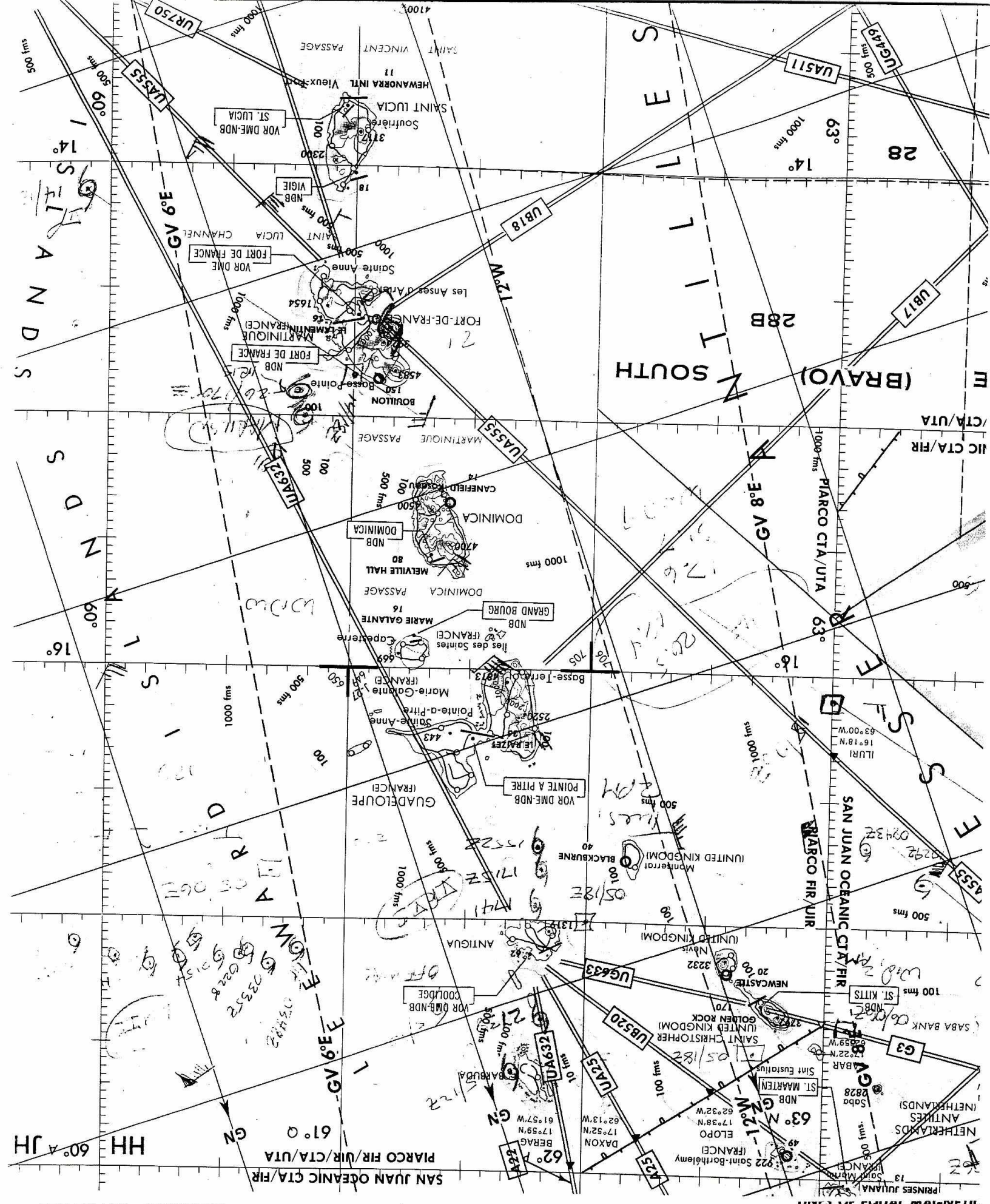
WB Form 413-50
2 - 63

TEAL 44

TEAL 29

9508271A T.S. IRIS (HY13211)

Time	LAT	LON	TK	WD	WS	GA	GA	TA	TD	SP	PS				
1600	13 05	55 29				60		28.6	24.8		1006.3	BLK			
161115	13 03	59 35	255	194	28	683	541	20.4	—	1014.8	805.5	↑			
161430	13 08	5545	323	186	36	1784	1889	14.5	14.9	1014.4	803.6	↑			
161930	13 26	55 52.5	324	216	29	3048	3225	8.0	10.0	1012.9	696.3	—			
1635	14 16	60 40	317	230	35	3061	3211	9.1	9.3	1008.7	695.4				
164615	14 54	61 07	342	334	34	3062	3200	10.5	7.7	1006.7	695.6				
1715	16 48	61 48									998	↓			
172045	16 59	61 27	55	177	23	3062	3156	9.2	10.4	1002.7	[redacted]				
174515	18 03.5	5953.7	55	151	32	8.7	—	3060	3205	1010.3	695.7				
175915	18 39	59 00	55	172	16.5	3059	3213	3057	8.9	6.7	695.8				
181045	19 07.5	5814.5	56	146	10.0	3059	3218	8.6	7.4	1012.2	695.7				
1822	19 36	5734	55	154	8.4	3058	3218	8.9	6.9	1011.7	695.9				
183230	20 01.5	5703.2	267	182	2.9	3059	3222	8.7	9.1	1011.9	695.7	DROP	CA 3	NE 65	
1840	19 58	5737													
1851	2000.2	5829.0	271	138	11.7	3044	3207	9.1	7.5	1012.1	697.1				
1907	2000	5947	268	111	17	3056	3210	8.5	—	1010.4	696.2				
1920	1959.9	60 52.0	269	104	25	3051	3202	9.1	7.6	1010.6	696.4				
1935	19 59	6208	272	74	31	3053	3198	8.3	9.7	1009.8	696.5				
195345	20 00	63 39	268	59	18.5	3049	3155	10.3	4.8	1009.5	696.5				
2008	20 00	6446	269	60	19.4	3052	3201	9.9	12.5	1010.8	696.6				
202455	19 54	6557	122	48	17.7	3050	3202	9.2	8.9	1011.8	696.5	DROP	CA 3	NW 67	
204030	19 20	6501.4	123	69	18.5	3057	3206	10.2	18.4	1010.2	696.0				
2100	18 35	6358	123	71	22	3058	3194	9.3	8.0	1007.9	695.9				
211215	18 06	6305	123	43	38	3056	3159	11.4	4.6	1007.2	696.1				
2133	17 23	6149				3063	3112	12.5	11.5	994	655.5	↓			
2157	16 04.6	6024.8	145	204	32.2	3065	3203	10.5	8.7	1006.8	655.2				
2228	1442	5944	130	204	34	3066	3224	9.0	7.6	1011.2	695.0				
2229	14 26	59 35										SE TEAL 66			
223212	14 28	59 47	279	207	30.8	3067	3227	9.4	6.8	1010.9	655.3	DROP 3			
2244	1435	6035	276	265	15.3	3065	3222	9.6	6.2	1010.0	695.2				
2256	1443	6123	278	226	12	3065	3219	10.9	6.6	1008.1	695.3				
2313	1454	6234	279	264	18.7	3064	3212	10.4	7.8	1007.7	695.5				
232745	1502.6	6333.5	277	251	16.6	3066	3214	10.7	6.0	1008.3	695.2				
233345	15 05	6357	18	240	16.8	3065	3212	10.5	4.9	1008.5	695.9	SW AT			
2349	15 58	6314.5	39	253	16.6	3070	3214	9.9	9.6	1007.7	694.9				
001730	17 39	6158									992	↓			
002945	17 01	6130.5	153	235	39.7	3047	3169	9.9	7.9	1006.3	969.6				
004630	16 01	6059	153	217	32	3051	3206	10.3	6.9	1007.4	696.8				
005915	1515	6035	153	214	25	3048	3209	11.0	3.6	1009.8	696.9				
011815	1359	5955	153	221	24.3	3053	3228	8.9	7.2	1013.6	696.3				
012715	1323	5937	154	222	15.3	3047	3220	8.4	6.3	1013.6	697.0	↓			
0140	1304.6	5929.4				57		33.7	23.2		1006.5	BLK			



STOCK NO. JNCXX062

DATE	SCHEDULED FIX TIME	AIRCRAFT NUMBER	ARWO
27 AUG 95	—	N42RF	Parrish

MANOP HEADING (PRECEDENCE IMMEDIATE)

MISSION IDENTIFIER AND OBSERVATION NUMBER
NOAA2 WX WX IRIS

(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE

A	27/ 2133 Z		DATE AND TIME OF FIX
B	17 DEG 23 MIN (N) S		LATITUDE OF VORTEX FIX *
	61 DEG 49 MIN E (W)		LONGITUDE OF VORTEX FIX *
C	700 MB 3056	M	MINIMUM HEIGHT AT STANDARD LEVEL
D	40	KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED
E	300 DEG 30	NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND
F	20 DEG 44	KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER
G	300 DEG 35	NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND
H	EXTRAP 994	MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM WITHIN 1500 FT OF SEA SURFACE
I	10.0 C/ 3056	M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE OUTSIDE EYE
J	13.0 C/ 3063	M	MAXIMUM FLIGHT LEVEL TEMP/PRESSURE ALTITUDE INSIDE EYE
K	11.0 C/ NA	C	DEWPOINT TEMP/SEA SURFACE TEMP INSIDE EYE
L	NA		EYE CHARACTER: Closed wall, poorly defined, open SW, etc.
M	NA		EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C – Circular; CO – Concentric; E – Elliptical. Transmit orientation of major axis in tens of degrees, i.e., 01–010 to 190; 17–170 to 350. Transmit diameter in nautical miles. *Examples:* C8–Circular eye 8 miles in diameter. E09/15/5 – Elliptical eye, major axis 090–270, length of major axis 15 NM, length of minor axis 5NM. CO8–14 – Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.
N	17 DEG 23 MIN (N) S		CONFIRMATION OF FIX: Coordinates and Time *
	61 DEG 49 MIN E (W)		
	2133 Z		
O	1,3,4,5/ ~~0~~ 0,7		FIX DETERMINED BY/FIX LEVEL FIX DETERMINED BY: 1 – Penetration; 2 – Radar; 3 – Wind; 4 – Pressure; 5 – Temperature. FIX LEVEL (Indicate surface center if visible; indicate both surface and flight level centers only when same): 0 – Surface; 1 – 1500 ft; 8 – 850 mb; 7 – 700 mb; 5 – 500 mb; 4 – 400 mb; 3 – 300 mb; 2 – 200 mb; 9 – Other.
P	2 / 6	NM	NAVIGATION FIX ACCURACY/METEOROLOGICAL ACCURACY
Q			REMARKS

FIX MADE FROM 10,000 FT.
MODERATE RAINBANDS NW, NE OF CENTER.
PEAK FLT LVL WINDS ITEMS F AND G AT 2124Z.

INSTRUCTIONS: Items A through G (and H when extrapolated) are transmitted from the aircraft immediately following the fix. The remainder of the message is transmitted as soon as available for scheduled fixes and at the ARWO's discretion for unscheduled (intermediate) fixes. * CHECK SUM REQUIRED IN WESTPAC.

AWS FORM JAN 77 82 PREVIOUS EDITION IS OBSOLETE. ABBREVIATED/DETAILED VORTEX DATA MESSAGE

67-07065

950827H INC2 RENAV

160900 ~~180001~~	0.0	0.0			04.6	28.9
180000	+1.5	+0.1	40.6	58.2	40.6	58.2
200000	+2.3	+1.2	00.1	07.7	00.1	07.7
204000	+2.4	+0.5	20.8	03.1	20.8	03.1
212000	1.3	+1.8	49.6	36.5	49.6	36.5
220000	+3.9	+1.1	55.8	42.2	55.8	42.2
224000	+0.7	+2.4	32.5	18.1	32.5	18.1
232000	+4.0	+2.7	58.9	01.4	58.9	01.4
000000	+0.1	+2.4	36.4	42.7	36.4	42.7
004000	+3.9	+2.9	24.4	10.9	24.4	10.9
011000	+0.6	+2.1	32.8	13.6	32.8	13.6
014000	+0.8	+4.0	04.6	29.4	04.6	29.4

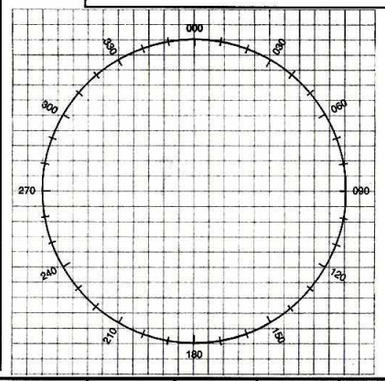
RENAV INC 2

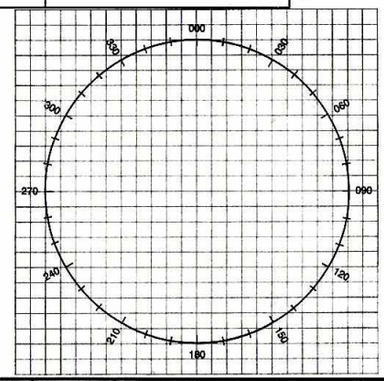
FIX TD 200430 -0630

MISSION LOG

PAGE ___ OF ___

CLEARANCES			
FREQ	ALT	HDG	OTHER
			15-50 N 67-50 W TO
			R 7222
			1555 16.7 61.8 997





POSITION REPORT
1. POSITION
2. TIME
3. ALTITUDE
4. NEXT POSITION
5. ETA
6. NEXT POSITION

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N / S _____ E / W AT _____ Z
- HEADING _____ TRUE/MAG
- AT _____ KTS TRUE/INDICATED
- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD
- NATURE OF EMERGENCY
- ASSISTANCE DESIRED
- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1652	G	15-21.1 61-16.4	15-21.7 61-16.4	-.6 0	15-21.2 61-16.2	-.1 +.2			341		335	252	235	27	10.0	242					FM 2 JAM
1715	G	16-46.0 61-48.4	(16-47 N 61-48 W)	9					062	5L	057	260	147	20	10.0	261					
1753	G	18-22.6 59-25.4	~~16-22.1~~ 59-25.5	+.5 -.1	18-21.4 59-25.2	+1.2 +.2			062	5L	057	260	147	20	10.0	261					FM 1
1851	G	20-00.2 58-30.2	19-59.8 58-30.2	+.4 0	19-58.7 58-30.2	+1.5 0	285	15W	270	1R	271	274	136	14	10.0	266					FM 1
2010	G	20-00.1 64-53.8	19-59.1 64-54.5	+1.0 -.7	19-57.5 64-54.5	+2.6 -.7	283	11W	272	3L	269	270	055	19	✓	254					FM 1
2133	G	17-23 61-49		9					151	4L	146	240	220	35	✓	251					FM 1
2144	G	16-50.7 61-21.7	16-48.3 61-22.9	+2.4 -1.2	16-46.8 61-23.0	+3.9 -1.3			154	8L	146	240	220	35	✓	251					FM 1
2254	G	14-42.0 61-17.4	14-40.9 61-20.3	+1.1 -2.7	14-39.8 61-20.3	+2.2 -2.7			276		277	242	232	12	✓	253					FM 1
0008	G	17-05.9 62-18.9	17-06.5 62-21.5	-.6 -2.6	17-05.4 62-21.6	+.5 -1.7			028	7R	035		300	37	✓	259					
0017.25	G	17-38.6 61-58.4	9																		
0142	✓	13-04.6 59-29.4	13-03.6 59-33.7	+1.0 -4.3	13-03.5 59-33.5	+1.1 -4.1															