

FLT ID: 970721 I	FM: F30B	TO: OPE/MCF
FLT NO: 7-25	BLK IN: 2118/2233	ATA: 2115/2225
ETD: 16Z	BLK OUT: 1544/2127	ATD: 1603/2136
ETE: 5	BLK TIME: 5:36 (1.1)	FLT TIME: 15:12
SPONSOR ORG: HAD	PROGRAM: Research	PURPOSE: Pre-AD-OS

ORO PERSONNEL

AC KENNEDY *	SYS ENG LYDEN *
CP KENNEDY/MADDA *	DATA SYS DELGADO *
NAV KOZAK *	RADAR McNAMARA * over 2
FE WADE/MOORE * Butch owes 2	BT/ODW McFADDEN *
RADIO SADS Gouci *	CLD PHYS CLOSSER *
FD PARRISH *	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/ORO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
MARKS, F. ✓ *		
BLACK, P. ✓ *		
BLACK, M.		
CROWE, J. ✓		
LEIGHTON, P. *		
BRACKEN, E. *		

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

ADAMS 1000 26.3 23 92/22

0017.0 FLY BACK TO MCF VIA OF. DROP SONDES ALONG FLIGHT PATH

090/12 BETWEEN GRAND TURK & FREEPORT.

24.7 040/9. Flew mostly as planned. Turned w. S pattern

24.8 30.04 N. part to ingest correction.

1011.4 3004 Dropped 6 dropsondes.

1011.1 3003 290/6 MCF

90/20 5/1016 1016.2 5/1015.3 Fm 1.5K

5/1018.0 90/14 01F 5/1015.5 Fm .5K

5/1018.0 90/14 01F 31/21

1015.9 03 1017.2

32/23

90/18

101017 Fm 1K

JRPB
07-25

2 108

970721E T.D.S. RETURN FEARY

Time	LAT	LOD	TK	WD	WS	PA	GA	TA	TD	SD	PS		
1542	1304.6	5929.4				17		33.6	24.1		1011.1	BUR	
161030	1319.7	5937.1	336	105	27.5	2701	2880	10.4	-0.9	1019.1	717.2	7	
1631	1433	6020	327	62	6	6131	6496	-8.1	-32.3	1009.4	464.1	-	
164815	1545	6103.5	330	87	7.1	6113	6488	-9.1	-31.2	1011.9	464.5	-	
170845	1712.3	6156.6	301	82	12	6112	6482	-9.6	-29.3	1012.9	464.6		
1720	1744.8	6245.1	294	128	8	6111	6485	-9.5	-25.7	1012.6	464.8		
1739	1826.3	6414.5	296	161	14	6108	6479	-10.9	-14.7	1015.6	464.8		
175630	1840.1	6541.9	274	173	8	6106	6479	-9.8	-12.7	1012.9	465.0		
~1800	N OF SAN	JUAN	→	70	0800	7200							
182345	1938	6750	300	224	2.2	6104	6480	-9.6	-15.9	1013.2	465.1		
183415	2005.1	6835.1	299	90	4.5	6103	6476	-9.8	-21.6	1012.9	465.0		
1900	2119.5	7024.7	308	132	7.2	6104	6483	-9.9	-23.8	1015.1	465.2		
190341	2130.8	7040	308	149	9.5	6104	6486	-10.4	-23.4	1016.2	465.1	DROP 1 No wind PTH good	
191015	2151	7108	309	162	17.9	6102	6485	-10.5	-20.1	1016.3	465.1		
192315	2230	7205.7	308	160	15.9	6104	6491	-10.1	-21.4	1015.7	465.2	DROP 2 Good PTH, winds	
193115	2255	7242	308	150	17	6125	6510	-10.1	-25.5	1014.9	463.8		
194251	2330.1	7332	308	99	7.7	6124	6509	-9.2	-20.9	1012.9	463.9	DROP 3 PTH Good, winds	
195630	2410	7438.5	290	129	18	6124	6507	-9.1	-12.6				
2001	2418	7456	288	112	14.4	6126	6508	-9.4	-9.2	1011.3	463.9	DROP 4 PTH good Wind 2	
201904	2448	7632	288	97	18	6126	6509	-9.3	-11.2	1012.1	463.8	DROP 5 Drop PTH good	
202645	2500	7713	285	81	13	6134	6520	-8.7	-15.4	1011.8	463.1		
203845	2510.6	7816.7	280	132	11.6	6135	6521	-9.6	-20.2	1013.5	463.1		
204210	2516	7836	303	149	10.5	6135	6526	-9.2	-18.5	1012.4	463.0	DROP 6 PTH, winds good	
2047	2529	7900	↓	to OFF									
2050	2534.5	7912.3	315	167	9.3	3739	3938	6.8	-11.1	1015.1	460	↓	
2100	2551.8	7953.8	274	85	7.5	583	657	24.0	20.2	1018.2	746		
2108	2557.2	8024.4	266	70	11	589	647	24.7	20.5	1015.5	945.6	W OF OFF	
213430	2554.7	8017.3				-23			32.3	22.1	1016.1		
213845	2556.6	8009.4	2	80	18	849	934	27.0	11.8	1017.6	903.4	7	
2149	2617	8048.5	321	183	11.7	3643	3869	5.6	-0.4	1015.1	645.5	-	
215930	2649.6	8124.4	326	177	16	3641	3863	4.9	4.6	1014.8	645.9		
221215	2725	8212	322	165	5.3	3022	3196	9.2	4.7	1013.7	649.0	↓ to land PTH	
2233	2750.9	8229.6				-23		32.7	22.7		1016.1	BLOCKS	

970721I N43RF T.D.5 HRD RESEARCH

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	2
Dew Point Probe	1
Altimeter	APN-159
Altitude change option (for vertical winds)	RA
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO3972.CON

Notes:

INE 2 positions were corrected periodically with good GPS positions. No corrections were made to groundspeeds.

The APN-159 radar altimeter was corrected at take off and landing by substituting offset APN-232 values.

Patched TT2 with TT1 and an appropriate offset between 1950Z-2035Z, due to sporadic signal dropouts in TT1 during this period.

Special note. Locations 80, 81 and 82 of the Type 5 record on the Standard Tape contain vertical groundspeed, vertical airspeed and vertical wind, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

Jack Parrish, Flight Director

970721 I

Start 2542012

End 211800

IZNAV MDE 2

160300	0.0	⊕ -0.2	04.3	30.1 ✓
163200	-0.2	⊕ -1.1	35.9	22.6 ✓
170100	-0.2	⊕ -1.1	41.0	34.4
172930	+0.4	⊖ +0.1	05.9	29.5
175930	-0.2	⊕ -1.1	41.0	57.7
183000	-0.2	⊕ -1.3	54.4	15.5
190000	+2.2	⊕ -0.4	19.4	24.2
193000	-0.3	⊕ -1.6	50.7	35.1
195900	+0.8	⊕ -1.1	14.7	44.5
203000	+2.0	⊕ -0.4	04.3	29.5
205900	-0.1	⊕ -1.8	51.3	49.5
211800	+1.0	⊕ -1.2	54.6	16.5

⑫

REQUEST, AUTHORIZATION, AGREEMENT AND CERTIFICATION OF TRAINING				A. Agency, code agency subelement and submitting office number (Example--xx-xx-xxxx)		01		B. OFFICE USE ONLY																																												
								C. Request status (Mark (X) one)		02																																										
		Initial or Resubmission		Correction or Cancellation																																																
Section A -- TRAINEE INFORMATION																																																				
1. Applicant's name (Last-First-Middle Initial)				Enter first 5 letters of last name		03		2. Social Security Number		04		3. Date of birth (Year and month)		05																																						
PARRISH, JOHN R.				PARRI				261-25-6628				(Example - born January 14, 1943 shown as 43/01)																																								
4. Home address (Number, street, city, State, ZIP code)				5. Home telephone				6. Position level (Mark (X) one only)																																												
11508 LAKE RIDGE ROAD				Area Code and Number				☒ a. Non-supervisory				c. Manager																																								
TAMPA, FL 33618				(813)933-2302				☐ b. Supervisory				d. Executive																																								
7. Organization mailing address (Branch-Division/Office/Bureau/Agency)				8. Office telephone				9. Continuous civilian service				10. Number of prior non-government training days																																								
				Area Code, Number and Extension				Years Months																																												
11a. Position title/function				11b. Applicant handi-capped or disabled (See instructions)		12. Pay Plan/series/ grade/ step				13. Type of appointment				14. Education Level																																						
Section B--TRAINING COURSE DATA																																																				
15a. Name and Mailing address of training vendor (No., street, city, State, ZIP Code)								15b. Location of training site (If same, mark box)																																												
16. Course title and training objectives (Benefits to be delivered by the Government)																																																				
17. Catalog/Course No.										18. Training period (6 digits)			06		19. No. of course hours (4 digits)			07		20. Training codes (See instructions)																																
										Year Month Day					a. During duty					Code																																
										a. Start					b. Non-duty					08 c. Source																																
										b. Complete					c. TOTAL					09 d. Special interest																																
																				11																																
AGENCY USE ONLY																																																				
Section C--ESTIMATED COSTS AND BILLING INFORMATION										Section D--APPROVALS																																										
21. Direct costs and appropriation/fund chargeable										26a. Immediate supervisor - Name and title										Area code/Tel. No./Extension																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th rowspan="2">Item</th> <th colspan="2">Amount</th> <th rowspan="2">Appropriation/fund</th> </tr> <tr> <th>Dollars</th> <th>Cents</th> </tr> <tr> <td>a. Tuition</td> <td>\$</td> <td></td> <td rowspan="4"></td> </tr> <tr> <td>b. Books or Materials</td> <td></td> <td></td> </tr> <tr> <td>c. Other (Specify)</td> <td></td> <td></td> </tr> <tr> <td>d. (Enter 4 digits in dollar column)</td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> </tr> </table>										Item	Amount		Appropriation/fund	Dollars	Cents	a. Tuition	\$			b. Books or Materials			c. Other (Specify)			d. (Enter 4 digits in dollar column)			Total				b. Signature										Date									
Item	Amount		Appropriation/fund																																																	
	Dollars	Cents																																																		
a. Tuition	\$																																																			
b. Books or Materials																																																				
c. Other (Specify)																																																				
d. (Enter 4 digits in dollar column)																																																				
Total																																																				
										27a. Second-line supervisor - Name and title										Area code/Tel. No./Extension																																
										b. Signature										Date																																
22. Indirect costs and appropriation/fund chargeable										28a. Training officer - Name and title										Area code/Tel. No./Extension																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th rowspan="2">Item</th> <th colspan="2">Amount</th> <th rowspan="2">Appropriation/fund</th> </tr> <tr> <th>Dollars</th> <th>Cents</th> </tr> <tr> <td>a. Travel</td> <td>\$</td> <td></td> <td rowspan="4"></td> </tr> <tr> <td>b. Per diem</td> <td></td> <td></td> </tr> <tr> <td>c. Other (Specify)</td> <td></td> <td></td> </tr> <tr> <td>d. (Enter 4 digits in dollar column)</td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> </tr> </table>										Item	Amount		Appropriation/fund	Dollars	Cents	a. Travel	\$			b. Per diem			c. Other (Specify)			d. (Enter 4 digits in dollar column)			Total				b. Signature										Date									
Item	Amount		Appropriation/fund																																																	
	Dollars	Cents																																																		
a. Travel	\$																																																			
b. Per diem																																																				
c. Other (Specify)																																																				
d. (Enter 4 digits in dollar column)																																																				
Total																																																				
23. Document/Purchase Order/Requisition No.										Section E--APPROVAL/CONCURRENCE																																										
24. 8-Digit station symbol										29a. Authorizing official - Name and title										Area code/Tel. No./Extension																																
(Example--12-34-5678)										b. Signature										Approved Date Disapproved																																
25. BILLING INSTRUCTIONS (Furnish invoice to):										Section F--CERTIFICATION OF TRAINING COMPLETION																																										
										30a. Certifying official - Name and title										Area code/Tel. No./Extension																																
										b. Signature										Date																																
TRAINING FACILITY > Bills should be sent to office indicated in item 25. Please refer to number given in item 23 to assure prompt payment.																																																				



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Rockville, MD 20852-3019

OFFICE OF NOAA CORPS OPERATIONS

Aircraft Operations Center
P.O. Box 6829
Tampa, Florida 33608-0829

MEMORANDUM FOR: *Dr. Hugh Willoughby, NOAA*
Director, M2D, AOML

FROM: CAPT George C. Player III, NOAA
Acting Director, Aircraft Operations Center

SUBJECT: Hazard Duty Flight

The mission flown on AOC aircraft # D43AF on 21 July 1997 has been declared hazardous. The following personnel from your laboratory participated in this mission.

Marks, F. Bracken, F.
Black, P. Cione, J.
Leighton, P.

For purposes of computing allowable hazard duty time, the hazard period during this mission was from 1142 local time on 21 July until 1718 on 21 July.



DATE : 21 July 1997

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft N4312F ON 2118Z BLOCKTIME

OFF 1542Z 5.6

SUBJECT: Hazardous Duty

PURPOSE OF FLIGHT: TDS Research, Ferry from Barbados

Hazardous Duty Pay is required for flight made on 21 July 97
(DATE)

Request based on penetration of tropical disturbance
convective rainbands.

Personnel on board authorized Hazard Pay:

Moore, H.

Wade, S.

Sans Souci, D.

Closser, G.

McFadden, J.

Parrish, J.

Lynch, T.

McNamara, A.

Delgado, J.

PILOT/FLIGHT DIRECTOR: John A. [Signature]

APPROVED: _____

DISAPPROVED: _____

CHIEF, AOC FLIGHT OPERATIONS: _____

NOAA • AOC • SED
N43RF DROP STATION LOG

Project : Hurricane '97

Mission : Genesis 3 (TDS)

Flight ID : 970727E

Take Off : _____

Landing : _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Sonde OK	Comments
1	970150267	1/404.8	-0.9	1903	DELGADO	✓	SPLASH 191115 (NO WINDS)
2	965120069	2/405.82	-1.3	192318	"	✓	SPLASH 193109
3	965120068	3/404.72	-2.3	194256	"	✓	SPLASH 1950.45 (NO WINDS)
4	965120183	4/404.72	0	2001	"		LOST HALF WAY
5	970440006	2/405.0	-1.3	2019	"		SPLASH 2027
6	625433106	ABORTED DUE TO WEAK SIGNAL					
7	624132803	2/405.1	-1.1	2042	"		SPLASH 2050
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							

MISSION LOG

PAGE 1 OF 1

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 2182 KHZ 8364 KHZ 500 KHZ
VHF/VOICE 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

POSITION REPORT

1. POSITION

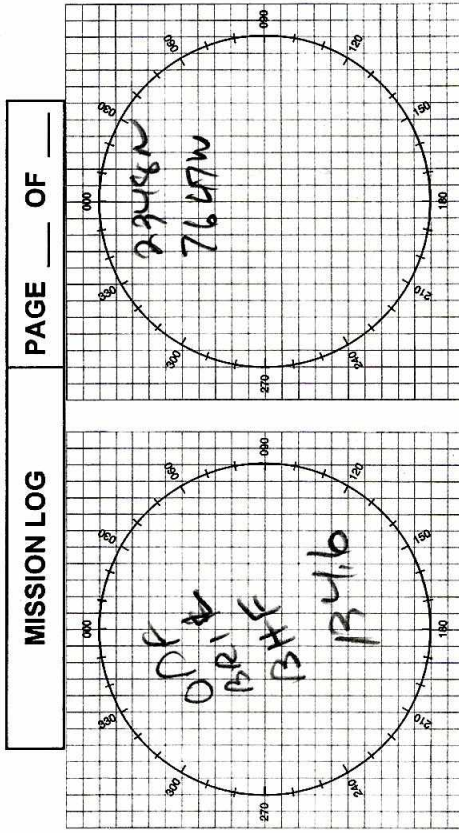
2. TIME

3. ALTITUDE

4. NEXT POSITION

5. ETA

6. NEXT POSITION



CLEARANCES			
FREQ	ALT	HDG	OTHER
1536	1500	130	294
1542	1500	130	294
1548	1500	130	294
1554	1500	130	294
1600	1500	130	294
1606	1500	130	294
1612	1500	130	294
1618	1500	130	294
1624	1500	130	294
1630	1500	130	294
1636	1500	130	294
1642	1500	130	294
1648	1500	130	294
1654	1500	130	294
1700	1500	130	294
1706	1500	130	294
1712	1500	130	294
1718	1500	130	294
1724	1500	130	294
1730	1500	130	294
1736	1500	130	294
1742	1500	130	294
1748	1500	130	294
1754	1500	130	294
1800	1500	130	294
1806	1500	130	294
1812	1500	130	294
1818	1500	130	294
1824	1500	130	294
1830	1500	130	294
1836	1500	130	294
1842	1500	130	294
1848	1500	130	294
1854	1500	130	294
1900	1500	130	294
1906	1500	130	294
1912	1500	130	294
1918	1500	130	294
1924	1500	130	294
1930	1500	130	294
1936	1500	130	294
1942	1500	130	294
1948	1500	130	294
1954	1500	130	294
2000	1500	130	294
2006	1500	130	294
2012	1500	130	294
2018	1500	130	294
2024	1500	130	294
2030	1500	130	294
2036	1500	130	294
2042	1500	130	294
2048	1500	130	294
2054	1500	130	294
2100	1500	130	294
2106	1500	130	294
2112	1500	130	294
2118	1500	130	294
2124	1500	130	294
2130	1500	130	294
2136	1500	130	294
2142	1500	130	294
2148	1500	130	294
2154	1500	130	294
2200	1500	130	294
2206	1500	130	294
2212	1500	130	294
2218	1500	130	294
2224	1500	130	294
2230	1500	130	294
2236	1500	130	294
2242	1500	130	294
2248	1500	130	294
2254	1500	130	294
2300	1500	130	294
2306	1500	130	294
2312	1500	130	294
2318	1500	130	294
2324	1500	130	294
2330	1500	130	294
2336	1500	130	294
2342	1500	130	294
2348	1500	130	294
2354	1500	130	294
2400	1500	130	294
2406	1500	130	294
2412	1500	130	294
2418	1500	130	294
2424	1500	130	294
2430	1500	130	294
2436	1500	130	294
2442	1500	130	294
2448	1500	130	294
2454	1500	130	294
2500	1500	130	294
2506	1500	130	294
2512	1500	130	294
2518	1500	130	294
2524	1500	130	294
2530	1500	130	294
2536	1500	130	294
2542	1500	130	294
2548	1500	130	294
2554	1500	130	294
2600	1500	130	294
2606	1500	130	294
2612	1500	130	294
2618	1500	130	294
2624	1500	130	294
2630	1500	130	294
2636	1500	130	294
2642	1500	130	294
2648	1500	130	294
2654	1500	130	294
2700	1500	130	294
2706	1500	130	294
2712	1500	130	294
2718	1500	130	294
2724	1500	130	294
2730	1500	130	294
2736	1500	130	294
2742	1500	130	294
2748	1500	130	294
2754	1500	130	294
2800	1500	130	294
2806	1500	130	294
2812	1500	130	294
2818	1500	130	294
2824	1500	130	294
2830	1500	130	294
2836	1500	130	294
2842	1500	130	294
2848	1500	130	294
2854	1500	130	294
2900	1500	130	294
2906	1500	130	294
2912	1500	130	294
2918	1500	130	294
2924	1500	130	294
2930	1500	130	294
2936	1500	130	294
2942	1500	130	294
2948	1500	130	294
2954	1500	130	294
3000	1500	130	294
3006	1500	130	294
3012	1500	130	294
3018	1500	130	294
3024	1500	130	294
3030	1500	130	294
3036	1500	130	294
3042	1500	130	294
3048	1500	130	294
3054	1500	130	294
3100	1500	130	294
3106	1500	130	294
3112	1500	130	294
3118	1500	130	294
3124	1500	130	294
3130	1500	130	294
3136	1500	130	294
3142	1500	130	294
3148	1500	130	294
3154	1500	130	294
3200	1500	130	294
3206	1500	130	294
3212	1500	130	294
3218	1500	130	294
3224	1500	130	294
3230	1500	130	294
3236	1500	130	294
3242	1500	130	294
3248	1500	130	294
3254	1500	130	294
3300	1500	130	294
3306	1500	130	294
3312	1500	130	294
3318	1500	130	294
3324	1500	130	294
3330	1500	130	294
3336	1500	130	294
3342	1500	130	294
3348	1500	130	294
3354	1500	130	294
3400	1500	130	294
3406	1500	130	294
3412	1500	130	294
3418	1500	130	294
3424	1500	130	294
3430	1500	130	294
3436	1500	130	294
3442	1500	130	294
3448	1500	130	294
3454	1500	130	294
3500	1500	130	294
3506	1500	130	294
3512	1500	130	294
3518	1500	130	294
3524	1500	130	294
3530	1500	130	294
3536	1500	130	294
3542	1500	130	294
3548	1500	130	294
3554	1500	130	294
3600	1500	130	294
3606	1500	130	294
3612	1500	130	294
3618	1500	130	294
3624	1500	130	294
3630	1500	130	294
3636	1500	130	294
3642	1500	130	294
3648	1500	130	294
3654	1500	130	294
3700	1500	130	294
3706	1500	130	294
3712	1500	130	294
3718	1500	130	294
3724	1500	130	294
3730	1500	130	294
3736	1500	130	294
3742	1500	130	294
3748	1500	130	294
3754	1500	130	294
3800	1500	130	294
3806	1500	130	294
3812	1500	130	294
3818	1500	130	294
3824	1500	130	294
3830	1500	130	294
3836	1500	130	294
3842	1500	130	294
3848	1500	130	294
3854	1500	130	294
3900	1500	130	294
3906	1500	130	294
3912	1500	130	294
3918	1500	130	294
3924	1500	130	294
3930	1500	130	294
3936	1500	130	294
3942	1500	130	294
3948	1500	130	294
3954	1500	130	294
4000	1500	130	294
4006	1500	130	294
4012	1500	130	294
4018	1500	130	294
4024	1500	130	294
4030	1500	130	294
4036	1500	130	294
4042	1500	130	294
4048	1500	130	294
4054	1500	130	294
4100	1500	130	294
4106	1500	130	294
4112	1500	130	294
4118	1500	130	294
4124	1500	130	294
4130	1500	130	294
4136	1500	130	294
4142	1500	130	294
4148	1500	130	294
4154	1500	130	294
4200	1500	130	294
4206	1500	130	294
4212	1500	130	294
4218	1500	130	294
4224	1500	130	294
4230	1500	130	294
4236	1500	130	294
4242	1500	130	294
4248	1500	130	294
4254	1500	130	294
4300	1500	130	294
4306	1500	130	294
4312	1500	130	294
4318	1500	130	294
4324	1500	130	294
4330	1500	130	294
4336	1500	130	294
4342	1500	130	294
4348	1500	130	294
4354	1500	130	294
4400	1500	130	294
4406	1500	130	294
4412	1500	130	294
4418	1500	130	294
4424	1500	130	294
4430	1500	130	294
4436	1500	130	294
4442	1500	130	294
4448	1500	130	294
4454	1500	130	294
4500	1500	130	294
4506	1500	130	294
4512	1500	130	294
4518	1500	130	294
4524	1500	130	294
4530	1500	130	294
4536	1500	130	294
4542	1500	130	294
4548	1500	130	294
4554	1500	130	294
4600	1500	130	294
4606	1500	130	294
4612	1500	130	294
4618	1500	130	294
4624	1500	130	294
4630	1500	130	294
4636	1500	130	294

(G) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

(G) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

[illegible]

any pm
5/20/2020

REMARKS	