



# ER-2 MISSION DATA CARD

## ORACLES Check Flight 2



PILOT		TAKEOFF DATE		SCHED T/O		ACTUAL T/O		LAND		FLIGHT TIME	
Neeley		3 AUG 16		16:00:00 Z		0924/1341		4.1			
<b>NASA809</b>				3 kt jet <i>Speeds</i>		ATIS / CLEARANCE TWIN OTTER? F 30.0/250/13 HF check EXT PWR ON - 1450z				IRIDIUM Preset Char	
Takeoff Time (Z): 16:00:00		Fuel Load: 1453		Glide 122						1 Meat	
Land Time (Z): 20:10:50		Fuel Used: 907		Min Sink 107						2 Coach	
Sched Duration : 04+10+50		Fuel On Board: 06+27+08		NF "T" 92						3 Tim	
				Flap "T" 87						4 Mobile	
WP#	Fix/Point	VOR	Altitude	TC	IM	TAS	Dist	Time	Fuel	ATA	REMARKS
DTD#	Description	TAC	Latitude Longitude	MC Bank	Temp Wind	CAS GS	Leg Total	Leg Total Clock	Leg Total FF	Actual Fuel	
1	KPMD 22/RW PALMDALE USAF		2491M N 34 38.24 W118 03.62	231 T 219 M 20 °		T C G	0 0	+03.0 +03.0 16:00.0	50 1403		
	.level off		17500M N 34 42.90 W118 07.89	335 T 323 M °	N/A -4C 116/002	N/A T N/A C N/A G	7 7	+02.4 +05.4 16:05.4	66 1337 1636		
2	ROSIE/W <u>ROSIE</u>		17500M N 34 51.15 W118 12.39	336 T 324 M 20 °	.34 -4C 115/002	215 T 160 C 216 G	9 16	+02.5 +07.9 16:07.9	11 1326 267		
3	OAL/R183051 <u>.EWALD</u>	117.70 124X	61918M <i>b3.0</i> N 37 12.00 W118 07.75	003 T 350 M 20 °	N/A -61C 067/007	N/A T N/A C N/A G	141 156	+26.0 +33.9 16:33.9	170 1156 393	17045 1153	HF ✓
	.level off		64000M N 37 30.14 W117 56.09	029 T 017 M °	N/A -61C 065/009	N/A T N/A C N/A G	21 177	+03.5 +37.4 16:37.4	15 1141 393		Fuel ✓ 3 or 4kt?
4	OAL/R167018 <u>.12_2</u>	117.70 124X	64000M N 37 42.38 W117 47.72	029 T 017 M 20T °	.70 -61C 065/009	397 T 118 C 392 G	14 191	+02.1 +39.6 16:39.6	7 1134 186		
	.level off		65000M N 37 46.76 W117 39.04	058 T 045 M °	N/A -60C 056/009	N/A T N/A C N/A G	8 199	+01.3 +40.9 16:40.9	7 1127 312		
5	TPH/R280003 <u>.12_3</u>	117.20 119X	65000M N 38 03.33 W117 05.82	058 T 045 M 20 °	.70 -60C 056/009	398 T 116 C 389 G	31 230	+04.8 +45.7 16:45.7	14 1113 181		
6	TPH/R035044 <u>.12_4</u>	117.20 119X	65000M N 38 28.48 W116 17.63	056 T 044 M 20T °	.70 -60C 051/011	399 T 116 C 388 G	45 276	+07.0 +52.7 16:52.7	21 1092 180	1723 1096	
7	<u>.N5 ON</u>		65000M N 38 29.68 W115 53.42	086 T 073 M 20T °	.70 -60C 054/012	399 T 116 C 387 G	19 295	+03.0 +55.6 16:55.6	9 1083 179		N5 On 1+24 TTG to WP8
8	ILC/R268063 <u>.RR VALLEY</u>	116.30 110X	65000M N 38 30.24 W115 41.52	086 T 074 M 20 °	.70 -60C 056/013	399 T 116 C 387 G	9 304	+01.5 +57.1 16:57.1	4 1079 179		SCT LOW CLBS
9	<u>.N5 OFF</u>		65000M N 38 30.72 W115 29.65	086 T 074 M 20 °	.70 -60C 058/013	399 T 116 C 386 G	9 313	+01.5 +58.5 16:58.5	4 1075 179		
10	ILC/R281037 <u>.10 DEG 360</u>	116.30 <i>075/20</i> 110X	65000M N 38 31.62 W115 06.39	087 T 074 M 10L °	.70 -60C 060/014	399 T 116 C 385 G	18 332	+02.9 01+01.4 17:01.4	8 1067 178	1730 1075	SCT Low
11	<u>.END 360</u>		65000M N 38 31.54 W115 05.41	092 T 080 M 20 °	.70 -60C 062/014	399 T 116 C 385 G	83 415	+13.0 01+14.4 17:14.4	38 1029 177		
12	ILC/R301036	116.30	65000M	017 T	.70	399 T	14	+02.1	6		

WP# DTD#	Fix/Point Description	VOR TAC	Altitude Latitude Longitude	TC MC Bank	IM Temp Wind	TAS CAS GS	Dist Leg Total	Time Leg Total Clock	Fuel Leg Total FF	ATA Actual Fuel	REMARKS
	.TP	110X	N 38 41.31 W114 55.48	005 M 20R °	-60C 063/014	116 C 391 G	429	01+16.5 17:16.5	1023 176	<del>1746</del> 1030	
13	ILC/R281037 .12_6	116.30 110X	65000M N 38 31.62 W115 06.39	264 T 252 M 20R °	.70 -60C 063/014	399 T 116 C 413 G	43 472	+06.3 01+22.8 17:22.8	18 1005 175		SCT
14	.N5 ON		65000M N 38 30.72 W115 29.65	268 T 256 M 20R °	.70 -60C 060/014	399 T 116 C 412 G	18 490	+02.7 01+25.4 17:25.4	8 997 175		N5 On 1+24 TTG to WP8
15	ILC/R268063 .RR VALLEY	116.30 110X	65000M N 38 30.24 W115 41.52	268 T 256 M 20 °	.70 -60C 057/013	399 T 116 C 411 G	9 499	+01.4 01+26.8 17:26.8	4 993 174	1756 1002	
16	.N5 OFF/N4 ON		65000M N 38 29.68 W115 53.42	267 T 255 M 20 °	.70 -60C 056/013	399 T 116 C 411 G	9 509	+01.4 01+28.2 17:28.2	4 989 174		Multiple N4 runs WP16-21
17	TPH/R035044 .12_8	117.20 119X	65000M N 38 28.48 W116 17.63	267 T 255 M 20 °	.70 -60C 053/012	399 T 116 C 410 G	19 528	+02.8 01+30.9 17:30.9	8 981 174	1800 990	N4s (M)
18	HZN/R156027 .N4 OFF/ON	114.10 088X	65000M N 39 03.78 W118 55.75	288 T 275 M 20 °	.70 -60C 049/008	398 T 116 C 404 G	129 656	+19.1 01+50.0 17:50.0	55 926 172	1819 940	CLR
19	FMG/R204033 .TAHOE	117.90 126X	65000M N 39 06.48 W120 07.14	273 T 260 M 20 °	.70 -60C 047/005	398 T 116 C 402 G	56 712	+08.3 01+58.3 17:58.3	24 902 171		(2)
20	ILA/R067045 .N4 OFF/ON	114.40 091X	65000M N 39 07.87 W121 03.77	272 T 259 M 20T °	.70 -60C 054/004	399 T 116 C 402 G	44 756	+06.5 02+04.9 18:04.9	18 884 170	1832 900	
21	OSI/R211016 .N4 OFF/ON	113.90 086X	65000M N 37 13.26 W122 31.44	211 T 197 M 20T °	.70 -61C 061/007	397 T 116 C 403 G	133 888	+19.8 02+24.6 18:24.6	55 829 168	1852 847	(3) (4) 1/2
22	PYE/R245092 .N4 OFF/ON	113.70 084X	65000M N 37 51.02 W124 47.62	290 T 277 M 20 °	.70 -60C 067/009	398 T 116 C 406 G	114 1002	+16.8 02+41.5 18:41.5	46 783 165	1909 803	(5) (6)
23	OSI/R209015 .N4 OFF	113.90 086X	65000M N 37 13.26 W122 30.18	108 T 094 M 20 °	.70 -61C 067/009	397 T 116 C 389 G	140 1143	+21.7 03+03.1 19:03.1	59 724 163	1931 745	N4 w/Twin Otter N3 w/o Twin Otter
24	.N3 ON		65000M N 37 10.90 W122 24.40	117 T 103 M 20 °	.70 -61C 064/011	397 T 116 C 389 G	5 1148	+00.8 03+03.9 19:03.9	2 722 161		N3 on 6.6 min < 28 WP89 44nm
25	SNS/R234013 .MONTEREY	117.30 120X	65000M N 36 35.57 W121 51.30	142 T 129 M 20 °	.70 -61C 063/012	397 T 116 C 392 G	44 1192	+06.8 03+10.7 19:10.7	18 704 161	1938	TGT-CLR OTHER-OVC FIRE-SOME
26	BSR/R108021 .N3 OFF/N4 ON	114.00 087X	65000M N 35 59.09 W121 17.27	141 T 128 M 20 °	.70 -62C 063/014	397 T 116 C 391 G	46 1238	+07.0 03+17.7 19:17.7	19 685 160	1944.7 708	partial N4 ✓ abort prior to WP27
27	FLW/R346029 .N4 OFF/N3 ON	117.50 122X	65000M N 35 34.81 W119 50.69	107 T 094 M 20 °	.70 -62C 064/016	397 T 116 C 383 G	75 1312	+11.7 03+29.4 19:29.4	31 654 159		N3 on 6.6 min < 28 44nm
28	EHF/R139010 .BAKERSFIELD	115.40 101X	65000M N 35 19.92 W119 00.00	108 T 096 M 20T °	.70 -62C 064/016	397 T 116 C 383 G	44 1356	+06.9 03+36.3 19:36.3	18 636 158	2003 660	CLR
29	EDW/R269015 .N3 OFF	116.40 111X	65000M N 35 02.51 W118 01.15	108 T 096 M 20 °	.70 -62C 070/019	396 T 116 C 380 G	51 1408	+08.1 03+44.4 19:44.4	21 615 157		
	.descent pt		65000M N 35 04.89 W117 52.17	034 T 022 M 20 °	.70 -62C 073/021	397 T 116 C 268 G	8 1416	+01.3 03+45.6 19:45.6	3 612 153		

WP# DTD#	Fix/Point Description	VOR TAC	Altitude Latitude Longitude	TC MC Bank	IM Temp Wind	TAS CAS GS	Dist Leg Total	Time Leg Total Clock	Fuel Leg Total FF	ATA Actual Fuel	REMARKS
30			48864M N 35 32.04 W118 01.32	347 T 335 M 20 °	N/A -62C 073/021	N/A T N/A C N/A G	28 1444	+06.4 03+52.0 19:52.0	16 596 150		
31	ROSIE/W <u>ROSIE</u>		14836M N 34 51.15 W118 12.39	174 T 162 M 20 °	N/A -20C 073/021	N/A T N/A C N/A G	57 1501	+13.5 04+05.5 20:05.5	34 562 150		
32	FORDA/W <u>FORDA</u>		4500M N 34 38.37 W117 57.04	129 T 117 M 20 °	N/A +23C 081/010	N/A T N/A C N/A G	18 1520	+02.4 04+07.8 20:07.8	6 556 150		
33	KPMD/A PALMDALE USAF		2543M N 34 37.76 W118 05.07	265 T 252 M 20 °	+26C 199/003	T C G	7 1526	+03.0 04+10.8 20:10.8	10 546		

- N5 press at 1.4minutes prior WP8
- N5 press at 1.4minutes prior WP15
- series of N4 between WP16 and WP21 (no specific targets) *13+10sec, 12 min*
- N4 between WP21 and WP22
- option a) N4 on return track to WP23, IF the CIRPAS Twin Otter IS flying in the same area, or
- option b) N3 on return track to WP23, IF the Twin Otter is NOT flying in the same area.
- N3 press 6.6minutes (44NM) prior WP25 (TGT at Monterey)
- N3 press 6.6minutes (44NM) prior WP28 (TGT at Bakersfield)

Note: in the current plan, there is a N4 between WP26 and WP27, which is NOT required. If you activate N4 here, you will need to abort it prior WP27 to get ready for the next N3 targeting Bakersfield. It's up to you.

- R1 - already on aft eng st
- BCDU swap
- HF fault on ground
- PWR (air-bd) cont weak
- Cockpit air flow good
- CLOUDS: R2508-CLR  
VEGAS/RR-SCR  
RNO-OAK-CLR  
COAST PACIFIC - BYC SOLID  
WEST PAL - CLR  
SMOKE - MONT. → BSR

HF  
8843  
10057  
REC 5x5,  
but can't XMIT!

- SKYWATCH
- MX - BCDU
- DRIFTSIGHT  
-- LL
- CLOCK  
SPOT WT/FAN  
CB
- HF vols
- TGT DPs
- FLT TRK-ing
- FLIP