

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
McKIM	RATHBUN	N432F	94-29	1650	PVR	24SEP94	OLIVIA

TIME OF ENTRY	POSITION	TYPE INE USED	INE #1 POSITION	LAT LON COR'S	INE #2 POSITION	LAT LON COR'S	ALT GS	TH TK	REMARKS
1637									ENG START TAXI TAKEOFF
1642									
1650									
	1942.5		1942.6	-1			160	249	
1729	10757.6		10757.3	+3			281	248	
	1810.9		1811.1	-2			160	244	
1820	11149.3		11149.2	+1			277	246	
	1749.8		1750.0	-2			160	247	
1832	11242.6		11242.5	+1			285	248	DROP
	1631.2		1632.1	-9			160	227	
1914	11553.4		11552.5	+9			271	236	70 MILES FROM START
	1548.1		1549.1	-1.0					
1932	11701.0		11700.4	+7					DROP
	1546.4		1547.3	-9					
1944	11754.8		11754.4	+4					5
	1546.6								
1956	11848.4								TURN TO PT 3
	1541.3		1542.1	-8					
1957	11849.2		11848.5	+7					DROP
	1550.9		1552.6	-1.7					
2019	11800.2		11758.1						5
	1642.8		1644.3	-1.5					
2037	11802.2		11801.2	+1.0					ORBIT AT #5
	1644.6		1645.9	+3					
2040	11759.8		11758.5	+1.3					DROP

ATC CLEARANCE: 246/170 1541 11754

1547.5N 11755.3W 425 AT 1946

1554N 11806W 425 AT 2051

ENROUTE CLEARANCES: 1603N 11816W 425 AT 2158

TYPE OF FIX: (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN (6) RADAR (7) DOPPLER - INERTIAL (8) OMEGA (9) INERTIAL (10) OMEGA - INERTIAL

TIME OF ENTRY	POSITION	TYPE / INE USED	INE #1 POSITION	LAT LON COR'S	INE #2 POSITION	LAT LON COR'S	ALT GS	TH TK	REMARKS
	1556.8	/	1558.1	-1.3					
2051	11805.7	/	11804.6	+1.1					5
	1506.6	/							
2103	11806.0	/							TURN FROM 6 TO 7
	1505.4	/	1507.0	-1.6					
2104	11800.3	/	11759.3	+1.0					DROP
	1558.6	/	1601.7						
2123	11808.0	/	11806.1						5
	1620.8	/	1622.9	-2.1					
2129	11824.3	/	11823.9	+0.4					
	1603.9	/	1605.3						
2155	11813.8	/	11811.0						5
	1602.7	/	1605.1	-2.4					
2200	11751.0	/	11749.0	+2					
	1605.6	/	1609.3						
2223	11816.5	/	11815.5						5
	1609.5	/	1610.1						
2248	11822.3	/	11821.6						5
	1607.3	/	1610.0	-2.7					
2253	11802.8	/	11802.0	+0.8					
	1640.5	/	1643.6	-3.1			230	074	
2320	11556.8	/	11554.6	+2.2			314	068	
	1835.9	/	1839.2	-3.3			230	071	
0019	11105.1	/	11104.2	+0.9			311	069	
	2006.3	/	2009.7	-2.4			230	069	
0107	10657.5	/	10655.7	+1.8			308	069	
	2041.0	/	2043.8	-2.8					
0130	10515.0	/	10514.5	+0.5					LAND
		/							
		/							
		/							
		/							
		/							
		/							

FLIGHT PLAN

0230 Z

PROPOSED T.O. 1630 Z
ACTUAL T.O.

WAY POINT	TO	RTE	ALT	TAS	TC	W V		TH	VAR	MH	GS	ZONE DIST	TOTAL DIST	ZONE TIME TOTAL TIME	PROPOSED ETA	ETA
						DC										ATA
1	N2040.8 W 105 15.2 PVR											815	815	2755		
2	N1545 W 117 08 IP															
3	5															
4	N1546 W 11847 #2															
5	1511 W 11831 #3															
6	1629 11727 #4	+1 -1														
7	N1640 W 11800 #5															
6	1507 11846 #6															
7	1521 11729 #7	+1 -1														
8	1647 11842 #8 11842	+2 -1														
9	1558 11900 #9															
1	1604 W 11723	+2 -2														
2	1606 11817															
1	1600.5 11730															
		+3 -2														

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERRORS		
									LAT	LONG	G S
INS 1	1250 Z				0	1637	0130	9453	-2.8	+1.5	1
INS 2 IMU											

ALIGN REMARKS: #2 IN ATT REF

OTHER REMARKS:

311/7 7+23
1+30
8+92

940924 I H. OLIVIA

Time	LAT	LONG	TR	WD	WS	PA	GA	TA	TD	SP	BS				
1642	2040.7	10515.1				20		32.6	24.1		1010.7				21 Z
165845	2031.7	10541.1	249	1	6	2474	-	14.5	5.9	-	743.3	↑			15.70 118.36
170515	2022.3	10608.2	250	18	9	4051	4276	4.9	-3.5	1008.0	610.4	↑			955 mb 100 KTS
1722	1955	10724	249	21	5	4901	5159	-0.2	-15.0	1005.6	547.4	-			290 110 KTS
174745	1910	10922	249	89	7	4896	5153	0.17	-14.6	1005.2	547.7				
1825	18025	11210.2	248	115	10	4894	5148	-0.6	-9.3	1006.1	547.9				
183158	1749	11243	248	122	7	4894	5146	-7.3	-4.3	1006.8	547.9				Drop 1
1932	Drop 5000														
193445	1545	11713	269	165	56										
1944	1546	11755						15	47.5 N	11755.3			(3)	15 11	118 31
195734	1540	11844	155	342	32	4277	4423	3.5	2.5	996.0	594		PT	2	
201927	1552	11758						16.2	6.6	937					15 29 118 20.2
204045	1644	11759	DROP N												
205149	1556	11806													
210427	1506	11759	DROP S												
212322	1559	11808													
214635	1559	11851	80	355	31	4281	4403	3.8	4.4	999	594 W				E 46 949
215530	1604	11814													
220245	1603	11741	92												
221115	1607	11722	267	164	62	4304	4445	4.8	3.4	995					
221745	1607	11753	268	170	65	4304	4374	4.1	5.7	986.0	592				W 13000 W of center
2223	1606	11816													
2231	16075	11853	270	9	41	4285	4400	4.2	4.7	992.9	593.9				W of center
224215	1606	11854	87	355	38	4282	4384	4.6	4.5	789.6	594.2				
2248	1605	11823													
225445	1607	11752	97	181	59	4297	4401	3.7	6.3	991.1	592.3				E of center
2300	1608	11729	91	171	53	4342	4507	3.3	5.2	995.2	576.5				Down ↑ + Home
231930	1638.4	11601.7	68	156	32	7059	7424	-13.0	-23.6	995.0	407.1				- at 23K PA
2356	1751	11303	67	126	22	7058	7437	-13.0	-28.6	996.5	407.3				
004115	1918.7	10914.5	67	50	6	7056	7443	-13.9	-28.9	1000.9	407.4				
011330	2016.8	10627.6	70	69	8	7046	7429	-14.9	29.4	999.0	408.5				
0137	2040.7	10515.1				37		30.2	27.2		1008.7	2043.6	10541.6		BLK

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

FLT ID: 940924I	FM: PVM	TO: PVM
FLT NO: #0	BLK IN: 0137	ATA: 0131
ETD: 1630	BLK OUT: 1642	ATD: 165135
ETE: 104	BLK TIME: 8:55 (8.9)	FLT TIME: 8:39 (8.7)
SPONSOR ORG: HAD	PROGRAM: Research	PURPOSE: H. Divia

OAO PERSONNEL

AC McKim ✓	SYS ENG Lynch ✓
CP Tennesen ✓	DATA SYS Delgado ✓
NAV Rothbun ✓	RADAR
FE Bast ✓	BT/ODW Pradas ✓
RADIO Sans Souci ✓	CLD PHYS
FD Parrish ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Markes, E. ✓		HAD ↓ IMAX
Willoughby, H. ✓		
Crittin, J. ✓		
Franklin, J.		
Fremmel		
Black, P. ✓		
Ohlwe, B.		IMAX
Fuentes, U. ✓	Visitor	Mex. AF

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

Fly Inner Core Structure & Evolution Exp. IP 15 24N 117 32W
 Bad BA-159 at 10.0. Bad LOD.2 system.
 One Radar glitch at N cardinal pt; but very brief.
 FIX 1944Z 15°46'N 117°55'W
 FIX 201930Z 15°52'N 117°58'W
 FIX 2052Z 15°56'N 118°06'W
 FIX 2123Z 15°59'N 118°08'W
 FIX 215530Z 16°04'N 118°14'W
 FIX 2223Z 16°06'N 118°16'W
 FIX 2248Z 16°09.5'N 118°22'W

7 Penetrations