

19870115 IIR FDR

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

FLT ID: 870115 F	FM: Darwin, Au	TO: Darwin, Au
FLT NO: 87-21	BLK IN: 0223	ATA: 0215
ETD: 1730Z	BLK OUT: 1730	ATD: 1737
ETE: 9	BLK TIME: 8:53	FLT TIME: 8:38
SPONSOR ORG: ERL	PROGRAM: EMEX	PURPOSE: Research

OAO PERSONNEL

AC Gannoe ✓	SYS ENG DuGranat ✓
CP Eilers ✓	DATA SYS Goldstein ✓
NAV Secretan ✓	RADAR Gon
FE Ricci ✓	BT/ODW Gonzales ✓
RADIO Nunn ✓	CLD PHYS
FD Parrish ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Burpee	P.I.	HRD
Marks	P.I.	HRD
Gamache	Doppler	HRD
Churchill	C.P.	U of Wash
Biggerstaff	Radar	U. of Wash
Night, Simon	Visitor	Beyond 2000
Eismann, Beat	"	"
Par, Chris	"	"

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

Fly to vicinity 13.5, 136.5 E & do EMEX patterns.
As planned, in new IF vicinity 13.5, 137.5

FLT ID: 870115I TIME OFF: 1737 TIME ON: 0215

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	PS 1004.9 SP 1007	1007.7	PS 1006 SP 1006	1008.5

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES	12	
DOPPLER TAPES	15	
ODW CASSETTES	2	8
HARD COPIES	2	
C.P.	23	
AXBT		
AXCP		
ODW	5	1 streamer

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON	1/5	1/5	1/5	—	
OFF					
RATE					

REMARKS

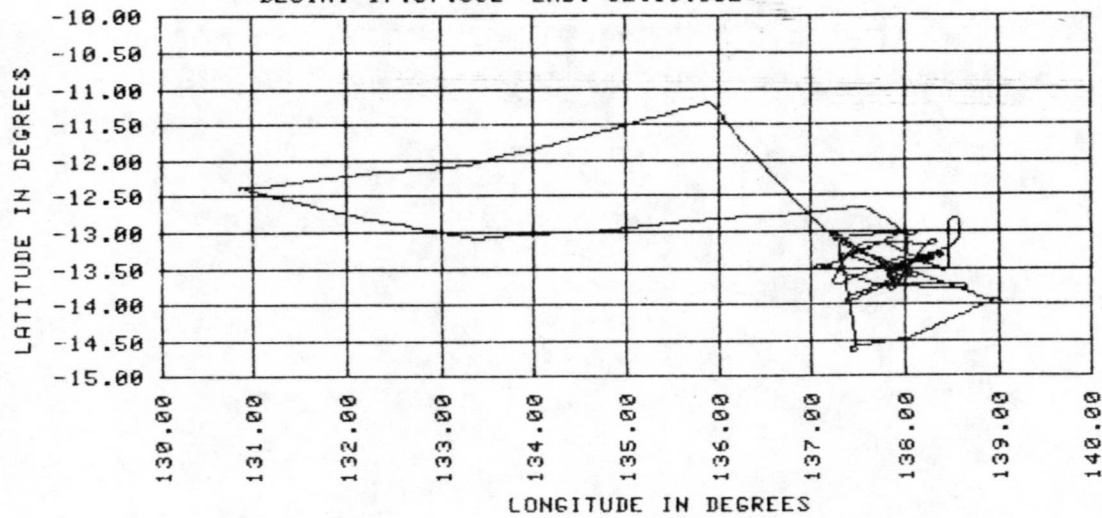
Nav Errors

NOE	LAT	LONG	GS
1	-9.1	+7.0	4
2	+0.9	-2.9	0

870115J EMEX #2

Time	LAT	LONG	TK	WD	WS	PA	GA	TA	TD	SP	PS	WE		
174030	12 22	131 00	23	320	18	1420	1439	19.1	16.8	10059	834	11.3	↑	
1744	12 21	131 15	81	313	15	2603	2710	13.3	7.5	1005	730		↑	
1748	12 18	131 31	20	297	21	3005	3770	7.5	5.4	10049	141	+1.6	↑	
1757	12 11	132 13	80	271	14	4869	5112	0.4	-1.1	1003	5498	1.1	-	10K
1808	12 06	132 25	82	242	13	4864	5076	+0.3	-1.2	992	550			
1835	11 27	135 12	71	220	12	4859	5119	-0.2	-3.3	10062	550.5			
184930	11 33	136 07	151	244	24	4855	5108	+0.1	-2.5	1005	551.3			
185830	12 10	136 31	150	67	7	4873	5077	-0.1	-1.2	999	549	+0.7		
1914	13 05	137 17	127	47	12	4872	5125	+0.7	-3.2	1003.5	549.6	+0.5	↓	Begin Survey
191923	13 21	137 39	117	46	15	4870	5127	-0.2	-2.4	1004.2	549.7	+0.4	Drop #1	Begin
192443	13 32	138 01	116	35	14	4869	5126	-0.6	-3.3	1005.6	549.7	+0.7	Drop #2	
194040	13 57	138 54	240	35	13	4869	5132	0.1	-3.0	10055	549.9	+0.3	Drop #3	
1954	14 28	137 56	258	42	15	4862	5125	-0.6	-2.1	1006.6	550	+0.6		
200333	14 33	137 26	353	68	10	4865	5126	-0.9	-2.9	1007.1	550	+1.1	Drop 4	
202540	15 07	137 15	122	54	12	4862	5124	+0.0	-2.3	1004.3	550		Drop 5	
202900											End	203800	Start Conv. pattern	
203200	13 21	137 37	123	43	9	4859	5124	0.2	-1.1	1004.6	550		Leg 1	
204015	13 34	137 59	240	24	12	4858	5125	0.0	-3.2	1006	551	204915	Leg 2	
205100	13 53	137 22	060	19	10	4858	5120	-0.6	-2.2	1007.1	5504	210000	Leg 3	
210215	13 37	137 56	297	44	13	4857	5126	0.1	-4.7	1006.3	550.7	211115	Leg 4	
211320	13 21	137 19	060	60	18	4854	5125	0.5	-3.4	1006	550.2	212220	Leg 5	
212745	13 21	137 51	240	61	16	4850	5118	0.0	-2.4	1006	551	213645	Leg 6	
~ 2137	End	Convective	Pattern											
214645	13 09	137 33	92	51	13	4850	5126	0.5	-4.0	1005.7	551	215545	Leg 1 Strat	
2158	13 14	138 07	210	23	14	4870	5147	0.5	-4.1	1005.5	549	220700	Leg 2	
220930	13 47	137 52	090	8	13	4871	5140	-0.2	-2.6	1006.5	550	221830	Leg 3	
222100	13 45	138 28	268	12	12	4871	5144	-0.7	-2.1	1007.7	549.7	223100	Leg 4	
223205	13 45	137 33	300	42	15	4870	5145	-0.6	-2.7	1007.8	550	224105	Leg 5	
224200	13 26	137 17	60	60	15	4868	5145	-0.3	-3.8	1007.7	550	225100	Leg 6	
225145	13 13	137 44	122	44	12	4868	5143	1.4	-4.4	1004.2	549.8	230000	Leg 7	
2313	13 00	138 28	181	330	15	7316	7768	-14.7	-19.3	1002	393			
231900	13 22	138 10	245	352	19	7305	7760	-14.2	-18.3	1000	393	232400	24K leg	
2331	13 28	138 05	69	17	17	5503	5822	-3.3	-7.1	10049	576			
233515	13 26	138 14	244	40	17	4875	5155	0.6	-3.0	1006	549	234015	10K leg	
235050	13 30	138 07	244	53	12	3069	3235	10.1	6.4	1010	645	235550	10K leg	
000610	13 32	138 03	245	62	8	924	959	22.6	19.5	1011	907	001110	3K leg	
002445	13 39	137 38	712	24	13	5492	5807	-2.6	-6.9	1003	525.7	003345	18K leg	
003540	13 15	137 12	070	7	12	5486	5800	-2.5	-8.6	1003.7	506.1	004440	2nd leg	
004635	13 13	137 54	310	32	17	5484	5802	-3.3	-5.4	1004.4	506.1	005535	3rd leg	
010600	12 56	136 28	200	53	6	6715	7099	-10.7	-14.7	1001.3	427		→ RETURN	DOWN
0123	13 06	134 52	262	93	8	6714	6991	-9.7	-16.7	987	427			

FLIGHT TRACK PLOT FOR FLIGHT ID: 8701151
 BEGIN: 17:37:00Z END: 02:15:00Z



FLIGHT TRACK PLOT FOR FLIGHT ID: 8701151
 BEGIN: 19:00:00Z END: 01:15:00Z

