

19870116IL-FDIR

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

FLT ID: 870116I	FM: Darwin, AU	TO: Darwin, AU
FLT NO: 87-22	BLK IN: 0308Z	ATA: 0303
ETD: 19Z	BLK OUT: 1913Z	RTD: 1921
ETE: 9	BLK TIME: 7:55	FLT TIME: 7:42
SPONSOR ORG: EAR	PROGRAM: EMEX	PURPOSE: Research

OAO PERSONNEL

AC Genzlinger ✓	SYS ENG Goldstein ✓
CP Eilers ✓	DATA SYS Schricker
NAV Gerish	RADAR
FE Fleury ✓	BT/ODW Gonzales ✓
RADIO Dunn ✓	CLD PHYS
FD Parrish ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Burpee, R	P.I.	NAD
Marks, F	Emex Sci	NAD
Gamache, J.	Doppler	NAD
Churchill, D.	C.P.	U. of Wash
Biggerstaff, M.	Radar	U. of Wash
Tom Keenan	Flt Sci	Bur of Met 1669 4483
Ingrid Lechner	"	New Zealand Met 1729 379
Dick Jackson	"	Far Wes OA 478 9999

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

Fly to vicinity 12S, 128E. Short delay due to doppler problem
 Flown as planned (see note sheet).

V.O.
 29.68
 1005.5
 P3 1003.2
 at B.O.
 DE SKT
 25.3/24.3
 PS 1004.0
 SP 1006.6
 100/10
 SP 1006.3
 Fm 500
 ALT
 1006.5
 SP 1008.5
 Fm 31K
 SP 1007.3
 Fm 500
 SP 1005.8
 141/7
 26/23
 P3 1006.0

FLT ID: 870116I

TIME OFF: 1921

TIME ON: 0303

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	SP 1004.6 PS 1006.3	1005.5	SP 1007.5 PS 1006.0	1006.5

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES	25	
DOPPLER TAPES	14+8	
ODW CASSETTES		
HARD COPIES	2	
C.P.	42	
AXBT		
AXCP		
ODW	10	1 bad wind

PHOTOGRAPHY

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

REMARKS

NOV ERIZOZS

NOE	LAT	LONG	GS
1	-1.4	+11.0	9
2	-2.2	+1.3	6

12 20
124 31

870116 I EMIEX #3

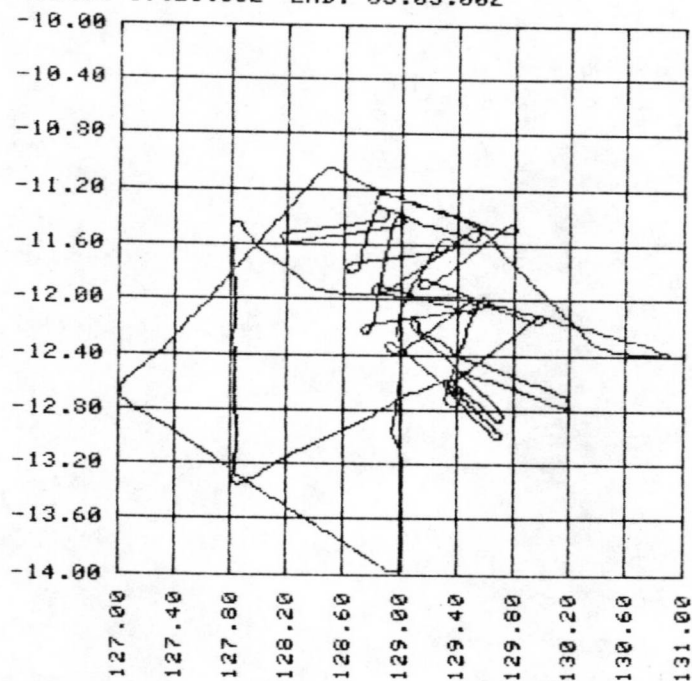
125
120
315

Time	LAT	LONG	TK	WD	WS	PA	GA	TA	TD	SP	PS			
1924	12 24	130 43	271	318	19	1247	1268	21.1	16.1	1002.2	858	#1		
192730	12 22	130 29	277	320	18	2522	2619	12.9	10.0	1005.6	730			
194702	11 27	128 29		293	25			0.4	-7.9			ODW #1	✓	
1957	11 10	128 46	300	304	22	4844	5096	1.2	-9.5	1002.6	551.5			
200240	11 04	128 24		302	28			0.9	-3.5	1002.8	551.5	ODW #2	✓	
201528	11 50	127 46		306	31	4841	5085	0.1	-2.6	1004	552	ODW #3	✓	
2024	12 18	127 21	222	311	44	4840	5085	-0.3	-2.3	1004	552			
203201	12 45	126 59	127	308	52	4838	5079	0.1	-4.6	1003.3	552	ODW #4		
204509	13 22	127 57	122	304	43	4835	5076	0.4	-1.8	1002.6	552	ODW #5		
205944	13 58	129 04	359	322	34	4834	5070	0.2	-1.6	1002.6	552	ODW #6		
2112	13 07	129	343	296	38	4834	5076	0.0	-1.1	1002.8	553	In 1/104		
212130	12 26	128 58	0	290	30	4833	5076	0.1	-1.4	1003.6	552	ODW #7		
2125		START	CONJUNCTIVE	PATTERN										
213030	11 49	129 05	28	300	28	4822	5077	0.0	-0.9	1003	553	2134 End leg 1		
213645	11 38	129 15	260	297	20	4831	5079	0.4	-5.5	1004.2	552.5	214545 End leg 2		
214815	11 45	128 40	020	299	31	4802	507	0.2	-2.2	1002.3	550	215930 End leg 3		
215615	11 26	128 47	260	312	33	4842	5093	-0.2	-5.1	1005.5	552	220515 End leg 4		
220715	11 37	128 13	080	295	38	4840	5085	0.2	-1.8	1004	552	221615 End leg 5		
221845	11 30	128 55	288	310	32	4839	5095	-0.2	-4.6	1005	552	222745 End leg 6		
223045	12 14	128 45	080	285	28	4837	5084	0.1	-2.7	1004.3	552	223945 End leg 7		
224210	12 04	129 29	200	308	24	4842	5094	-0.1	-6.5	1004.5	552	225110 End leg 8		
		START	STRATIFORM	PATTERN	16K									
225350	12 44	129 19	316	283	33	4837	5089	-0.1				230250 End leg 1		
230550	12 22	128 56	050	290	26	4836	5088	-0.8	-2.8	1003.2	552.2	231815 End leg 2		
231440	12 06	129 23	290	287	28	4835	5092	-0.0	-1.6	1004.7	552	232340 End leg 3		
232555	11 59	128 52	050	298	33	4837	5096	-0.1	-1.1	1005.7	552	233455 End leg 4		
233705	11 36	129 28	290	310	31	4834	5089	-0.3	-3.0	1006.3	552.2	234605 End leg 5		
		START	STRATIFORM	PATTERN	18K									
235035	11 18	129 00	110	317	26	5520	5819	-3.8	-6.2	1003.4	504	235935 End leg 1		
000155	11 30	129 42	230	309	25	5519	5822	-3.9	-6.3	1003.2	503.9	001055 End leg 2		
001305	11 57	129 08	110	323	23	5517	5815	-3.2	-6.2	1001.5	503.8	002205 End leg 3		
002425	12 16	129 51	230	300	31	5516	5816	-3.9	-5.4	1003	503.9	003325 End leg 4		
003530	12 41	129 25	110	298	24	5517	5810	-3.3	-5.5	1001.2	503.9	004430 End leg 5		
004640	12 51	130 03	290	303	21	5517	5812	-3.5	-5.0	1002	504			
		Soundings												
010615	12 28	129 15	135	302	36	5963	6285	-6.1	-7.1	999.5	473	011115 End 19K		
011430	12 53	129 34	315	303	44	4874	5127	0.5	-2.7	1003	549	011930 End 16K		
012250	12 44	129 20	135	830	28	3073	3217	9.9	8.1	1006	694	012750 End 10K		
013150	12 52	129 30	315	350	21	943	962	23.0	18.4	1008.6	905	013650 End 3K		
		FINAL	SURVEY											
014330	12 46	128 53	234	335	18	3615	3810	7.0	5.6	1005.5	635	↑		
020136	13 18	127 45	7	330	29	5548	5836	-3.6	-9.7	1000.5	501.7	ODW #8 No Wind		
020910	12 41	127 46	359	316	30	5547	5840	-3.5	-8.8	1001.3	501.8	ODW #9		
023016	11 51	128 14	130	305	33	5546	5841	-2.9	-6.7	1000.0	502	ODW #10		

FLIGHT TRACK PLOT FOR FLIGHT ID: 8701161

BEGIN: 19:21:00Z END: 03:03:00Z

LATITUDE IN DEGREES

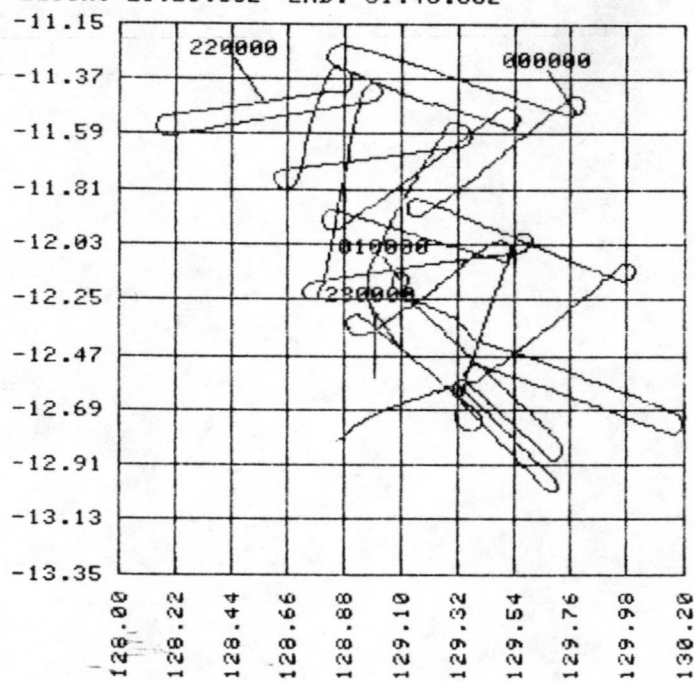


LONGITUDE IN DEGREES

FLIGHT TRACK PLOT FOR FLIGHT ID: 8701161

BEGIN: 21:20:00Z END: 01:45:00Z

LATITUDE IN DEGREES



LONGITUDE IN DEGREES