

MAP 991106H2

MAP P.V. Banners

991106H2 NOAA-42

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	1
Dew Point Probe	1
Altitude (for vertical wind)	Pressure Altitude
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2992.CON

Notes:

Inertial Navigation System #2 was corrected using good GPS fixes during the flight.

Wind data may be highly degraded when the pitch is ± 10 degrees and/or when the roll is ± 30 degrees. Wind speed has an estimated error of ± 2.5 m/s in turns and wind direction can exceed 10 degrees in turns.

RA-159 performed sporadically for the first 45 minutes, then failed. The APN-232 was used as the radar altimeter source for the whole flight.

Total Temperature Source #2 had several dropouts due to icing on this flight, the longest from 1517z-152030z.

Wingtip Dynamic Pressure failed from 151230z-1522z, 173630z to end of flight. Fuselage Dynamic Pressure sources were used for the entire flight.

JW Liquid Water Counter failed throughout the flight.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	944.0	948.8

Corrected tower pressure

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

Flight Meteorologist: Jack Parrish, (813) 828-3310 ext. 3077.

99110614 Gap Flow

25/540

22

Time	LAT	LOD	TK	WD	WS	GA	PA	TA	TD	SP	PS		
0828	044							10	3		940		BLOCK
0839	4716	1128	291	97	12	1896	1107	3.0	0.6	927	800	T	
084845	4721	1112	51	232	30.7	4962	7902	-18.3	-20.9	904	5458		
085030	4722	1121	100	234	27	4953	2066	-18.3	-20.2	847	5437	-16K	085810
090030	4657	1130	340	218	39	4629	3001	-14.6	-22.6	792	566	-15K	090645
090910	4722	1114	141	246	30.7	5265	3438	-20.7	-23.7	856	522	-17K	092250
092653	4631	1145	337	227	36	4629	2549	-15.3	-18.2	802	567	-15K	
094645	4717	1140	247	285	4.6	1835	406	8.4	0.8	895	853	4.5K	
095620	4716	1113	116	271	5.4	1190	9087	8.5	2.3	910	878	3.5K	100212
100430	4716	1131	257	99	3.1	1431	719	9.0	0.1	926	853	4.5K	
101140	4718	1121	94	62	6	1433	771	1.2	1.5	936	853	4.5K	
101940	4718	1138											
1024	4715	1114	110	48	6.3	1501	641	48	7	912	843	→ to land	
1036	4715	1121.2				639		13.6	1.9				BLOCK
1351	4715	1121						5.5	4.1		944		BLOCK
1400	4719	1137	71	300	11.3	3195	2517	-10.3	-11.7	938	665	T	
141145	4737	1052	291	181	46	5797	4721	-24.7	-26	911.6	485	-19K	
14275	4733	919	196	170	24	5799	5210	-26.7	-18.2	949	484		
1439	4648	90											
14330	4530	856	174	145	15	5244	5004	-19	-21	985	525	↓	
141015	4443	903	176	330	7	3061	2442	-5.3	-4.4	132	695		
152630	4348	830	217	4	11	1902	3317	0.8	0.9	11	802	-6K	TA
1543	4315	724	230	353	23	1925	1828	2.9	-7.6	1001	803		
155930	4251	614	240	320	52	1927	1868	0.8	-1.5	10078	802.6		
161050	4229	526	329	46	1422	1898	-7.9	-7.7	1013.8	802	14	PT B	
161355	4230	526	60	319	49	1925	1897	-1.3	-4.2	1012.6	802.7	PT B → A	
162845	4259	632	59	322	53	1925	1856	+1.9	-12.4	1005	802		
1652	4342	812	58	359	37	1931	1836	-1.5	-2.9	1005	801.7	165715	ENJ
172230	4527	659	345	120	21	6098	3455	-27	-29				P3
173645	4529	82	99	3	28	3369	3032	-10.1	-10.7	977	669	P2	
175315	4529	927	92	84	19	3364	3166	-7.4	-7.7	970	669	175930	ENJ
18025	4527	956	266	94	26	3371	3189	-7.4	-7.2	993	669	P1' - P2	
181115	4527	901	266	89	31.5	3367	3150	-7.6	-7.9	987	669		
1825	4527	818	88	24	41	3016							
1829	4524	829	85	44	35	2744	2498	-6.3	-7.2	988	724	-4K	0201'
183830	4528	913	87	98	11	2734	2535	-4.2	-4.6	989.5	725		
184750	4527	1000	91	106									
190045	4605	1053	43	109	28	5487	3754	-20.9	-21.7	956	506	→ to land	
1934	47155	1121.2					551	6.0	-3.2		9488		BLOCK

[illegible]

POSITION REPORT

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E=>	TH	DR +R=>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1327																					43.3 TAXI 29.85 26
1334																					TO 26
351							4800														(42.4 29.85 26) U
1356																					BLOCK OFF
1428																					LAND
1434																					Block
																					5.34 5.7 5.7 5.7

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	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N / S _____

- HEADING _____ TRUE/MAG _____

- AT 1 KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD

- NATURE OF EMERGENCY

- ASSISTANCE DES
- PILOT INTENTIONS

- PILOT INTENTIONS
- WE HAVE
- ENDURANCE REMAINING