

# 19910817HI-FDIR

## HURRICANE BOB ODW (HRD)

910817H N42RF

### TYPE OF DATA

### SENSOR OR OPTION

INE	1
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	RA (232)
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 29
Constants file	CO2913.CON

### Notes:

INE #1 was renavigated linearly from takeoff to landing. The real-time printout from the aircraft used INE #2, landing with about 12 miles terminal error. INE #1 was selected because of better ground speed error.

The APN-159 radar altimeter locked onto 5424 meters at 2006Z, and was inop for the rest of the flight. We used the APN-232 for the whole flight in creating the standard tape.

Three cases of wet-bulbing on Total Temp 1 occurred, between 191820Z-191940Z, 191510Z-195120Z, and 200930Z-201040Z. No attempt was made to correct this, as TT2 behaved even worse during these periods of high liquid water.

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.

	Take off	Landing
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Aircraft static pressure	1015.5mb	1015.8mb
Corrected tower pressure	1016.0mb	1016.0mb

Jack Parrish

Track distance table (nm) File: BOB1H.DAT

#	LAT	LON	LEG	TOTAL	TIME
0	25 42	80 12	0.	0.	0:00
1	27 00	78 00	142.	142.	0:29
2	28 30	78 00	90.	232.	0:48
3	~ 29 30	77 54	60.	292.	1:00
4E	~ 29 30	77 15	34.	326.	1:07
5	~ 29 30	76 36	34.	360.	1:14
6	~ 30 12	77 15	54.	414.	1:26
7E	~ 29 30	77 15	42.	456.	1:34
8	~ 28 48	77 15	42.	498.	1:43
9	27 30	75 00	142.	640.	2:13
10	27 30	69 00	320.	960.	3:19
11	32 30	69 00	300.	1260.	4:21
12	35 00	69 00	150.	1410.	4:52
13	35 00	72 00	148.	1558.	5:22
14	30 30	72 00	270.	1828.	6:18
15	30 30	75 00	155.	1983.	6:50
16	33 00	75 00	150.	2133.	7:21
17	33 00	77 00	101.	2234.	7:42
18	31 00	79 00	157.	2391.	8:15
19	25 42	80 12	324.	2716.	9:22

- 40 nm W of 6  
 - 6  
 - 40 nm E of 6  
 - 40 nm N of 6  
 - 6  
 - 40 nm S of 6

ODW drop locations File: BOB1H.DAT

#	LAT	LON	TIME
1	27 00	78 00	0:29
2E	29 30	77 15	1:07
3	27 30	75 00	2:13
4	27 30	72 00	2:46
5	27 30	69 00	3:19
6	30 00	69 00	3:50
7	32 30	69 00	4:21
8	35 00	69 00	4:52
9	35 00	72 00	5:22
10	32 30	72 00	5:53
11	30 30	72 00	6:18
12	30 30	75 00	6:50
13	33 00	75 00	7:21
14	33 00	77 00	7:42
15	31 00	79 00	8:15