19920821 I1_ DROPS

HRD Omega-Dropwindsonde Scientist Log

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Flight _____082192

Storm _____

Drop No.	Sonde ID No.	Time GMT	Lat. (°)	Long. (°)	Wind (m/s) (WD/WS)	Height (GA)	Temp. (TA)	Dew Pt. (TD)	Pressure (PS)	Remarks
1	24202	19:18:21	22'13'	7239	104/3	6795	-11.8	-26.0	444,8	Test obw on Ferry to San Ju
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Form E-6

AOC Operator

ODW Scientists DeMania

E.6 Omega Dropwindsonde Scientist (On-Board)

The on-board lead project scientist (LPS) on each aircraft is responsible for determining the distribution patterns for ODW releases. Predetermined desired data collection patterns are illustrated on the flight patterns. However, these patterns often are required to be altered because of clearance problems, etc. Operational procedures are contained in the operator's manual. The following list contains more general supplementary procedures to be followed. (Check off and initial.)

E.6.1 Preflight

- 1. Determine the status of equipment and report results to the on-board LPS.
- 2. Confirm the mission and pattern selection from the LPS and assure that the proper number and distribution (frequency) of ODW's are on board the aircraft.
- Complete the appropriate preflight calibrations and check lists.

E.6.2 In-Flight

- 1. Operate the system as specified in the operator's manual.
- 2. Obtain drop release approval (for each drop) from the AOC flight director or navigator for each specific time and location of drop.
- Report to the LPS as soon as it is determined that the ODW is (or is not) transmitting a good signal.
- 4. Report completion of each drop and readiness for the next drop.
- 5. Complete Form E-6.

E.6.3 Postflight

- 1. Complete the summary form for ODW's.
- 2. Brief the on-board LPS on equipment status and turn in reports and completed forms to the LPS.
 - 3. Hand-carry all ODW data tapes and printouts and inform the AOC flight director that you are arranging delivery as follows:
 - a. Outside of Miami to the HRD operations center (FGOC).
 - In Miami to AOML/HRD (temporarily), either directly or via MGOC, for conversion to 9-track magnetic tapes.
 - Debrief at the appropriate operations center (FGOC or MGOC).
 - Determine the status of future missions and notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted.

1. 150351 I. - LYON

Test on ferry to sonthum

	TEMP DROPW	INDSONDE COMMUNICATION WORKSHEET	8/16/90
	(MANOP HEADING)	UZNT13 KMIA	
	AIRCRAFT #/MISSION # STORM NAME	NOAA	OB KMIA
X X A A 00115 05514 77999	\$p27202 \$p09012 \$p \$p70178 \$p09665 \$p	92/1/sp////sp////sp/	8403 °P / / / 2CR 5538 °P / 823 / 1LF 9006 °P 889992CR 11
		\ \ \ \ \ _	\ \
	NOTE: SCRATCH OUT ALL U	INUSED CODE BLOCKS ←	
	MONTH, DAY: 08/21		DROP #
	LAUNCH TIME (hhmm GMT):	19:18	1
	LAT (°N): 22,2 LOC	v (°W): 72,7	L
	LAUNCH PRESSURE (mb):	444.8 GA (M): 6795	
	LAUNCH TEMP (°C): -11.9	DEW PT (°C): -26.0	

SONDE DATA

SUNDE DATA						
PRESSURE	TEMP (°C)	RH (%)	WD/WS (m/s)			
400	1	1	-			
500	-6.6	27	090/3			
600	3,6	29				
700	9.7	34	150/2			
850	18.2	82	057/7			
1000	27,1	99	090/6			
SFC= 1013	28.3	98				

ODW SPLASH PR: 1615 HYDROSTATIC PR: 1012.6

> IF WIND .GE. 31 m/s IS OBSERVED ABOVE 500 mb: MAX WIND (D/S):_____ LEVEL (MB):_____