

17940910 I1-DROPS

HRD Omega-Dropwindsonde Scientist Log

Form E-6

Page 1 of 1

Flight 940910F

ODW Scientists Kaplan

Storm Debby

AOC Operator Gonzales

Drop No.	Sonde ID No.	Time GMT	Lat. (°N)	Long. (°)	Wind (m/s) (WD/WS)	Height (GA)	Temp. (TA)	Dew Pt. (TD)	Pressure (PS)	Remarks
1	4960	21430	19 09	67 49	88/11	5894	-4.7	-23.1	498.9	ODW clock was too slow PTH Bad Below 650 mb
2	4969	21448	17 06	66 59	75/17	5878	-5.6	-13.1	499.0	SENT correction +0.05 18 T offset of +5.0 Fixed
3	4973	22221	14 01	66 22	326/5	5868	-5.2	-17.1	499.0	Fixed T offset of +5.0
4	4970	23473	12 03	67 03	63/11	5861	-4.4	-23.0	499.5	
5	4972	23590	15 37	71 53	76/16	5875	-4.9	-23.2	499.0	
6	4974	00320	15 34	68 58	109/8	5886	-4.5	-23.1	499	
7	4977	01312	15 31	64 20	12/11	5886	-6.2	-7.7	498.8	
8	4975	01537	15 30	62 33	116/12	5883	-6.5	-7.0	499.0	

weak signal

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.
- ☒ 3. Complete the appropriate preflight calibrations and check lists.

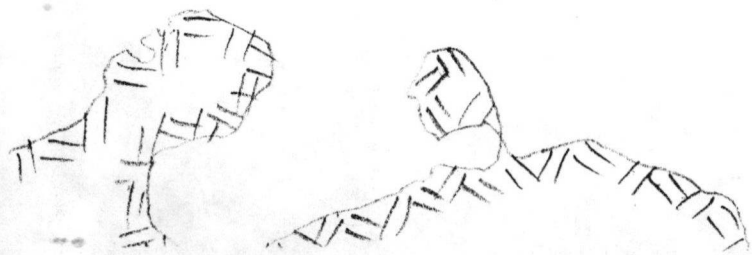
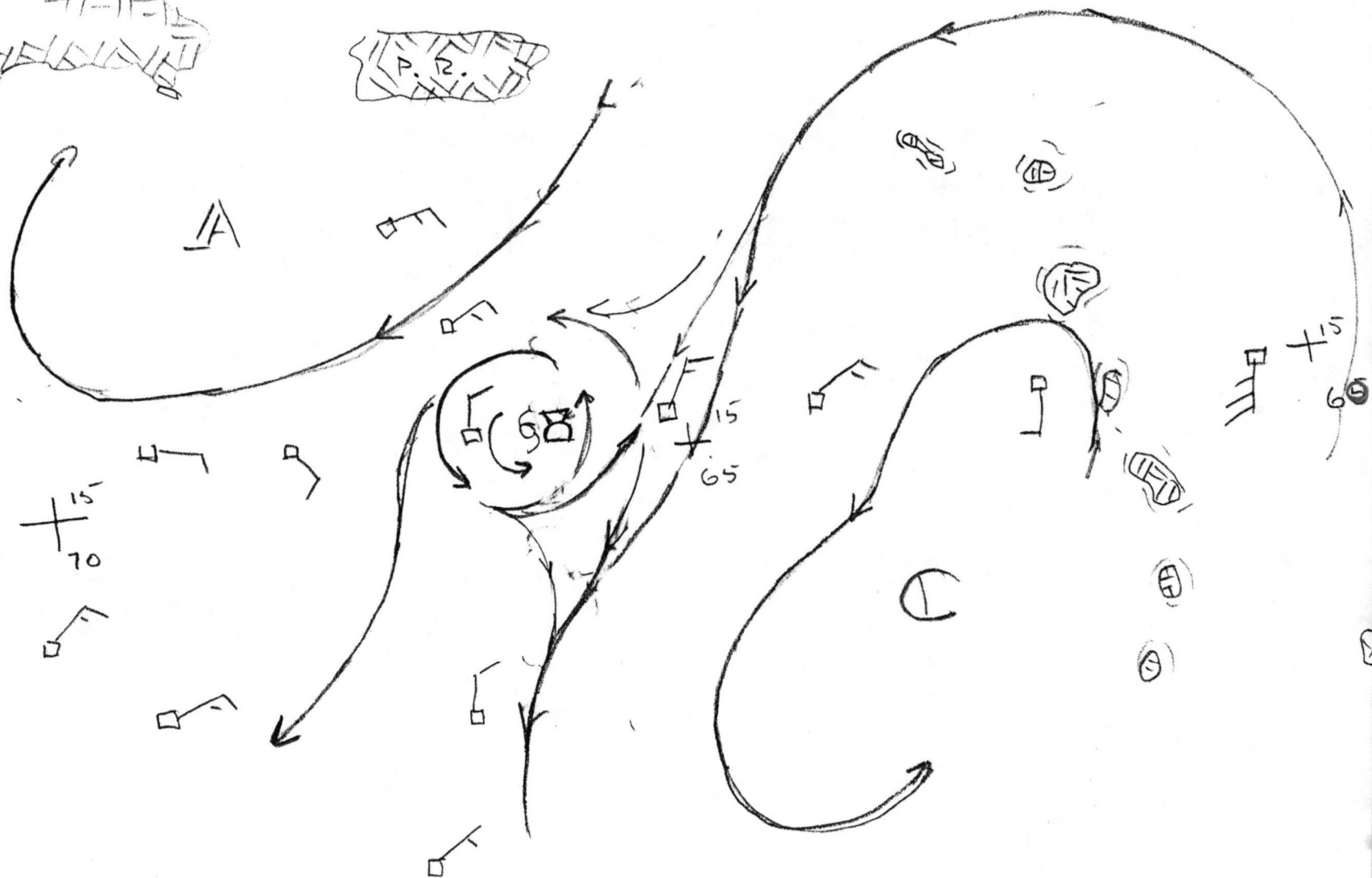
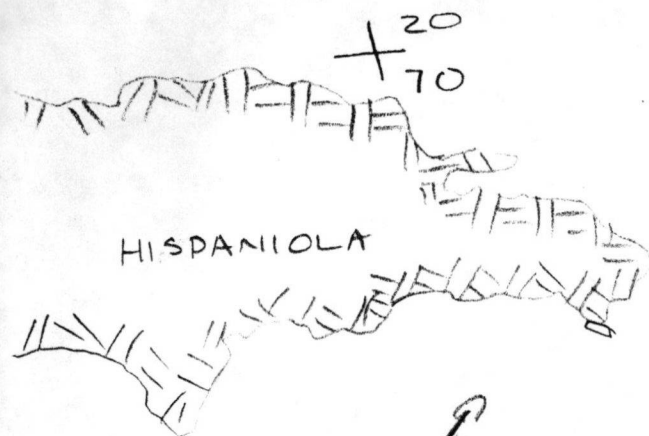
E.6.2 In-Flight

- ☐ 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.
- ☐ 3. 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).
 - b. In Miami - to AOML/HRD (temporarily), either directly or via MGOC, for conversion to 9-track magnetic tapes.
- ☐ 4. Debrief at the appropriate operations center (FGOC or MGOC).
- ☐ 5. Determine the status of future missions and notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted.

940910I
500 hPa



Cloud Physics

cd 1HWR94

time

m200 ~~DATA~~ DAT4540 instarts Rec.

or m200/DAT4540 starts Sys

File on starts record,

QUIT