

19870930HI-LPS

E.2 Lead Project Scientist (On-board)

E.2.1 Preflight

- ☒ 1. Participate in general mission briefing.
- ☒ 2. Determine specific mission and flight requirements for assigned aircraft.
- ☐ 3. Determine from CARCAH or Field Program Director whether aircraft has operational fix responsibility and discuss with OAO Flight Director/Meteorologist and CARCAH unless briefed otherwise by Field Program Director.
- ☒ 4. Contact HRD members of crew to:
 - a. Assure availability for mission.
 - b. Arrange ground transportation schedule when deployed.
 - c. Determine equipment status.
- ☒ 5. Meet with OAO flight crew at least 90 minutes before takeoff, provide copies of flight requirements and provide a formal briefing for the flight Director, navigator, and pilots.
- ☐ 6. Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami or FGOC at remote recovery location).

E.2.2 In-Flight

- ☒ 1. Confirm from OAO Flight Director/Meteorologist that satellite data link is operative (information).
- ☒ 2. Confirm camera mode of operation.
- ☒ 3. Confirm data recording rate.
- ☒ 4. Complete Form E-2.

E.2.3 Postflight

- ☒ 1. Debrief scientific crew.
- ☐ 2. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to the appropriate HRD operations center (MGOC or FGOC).
- ☐ 3. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the OAO Flight Director.]

29 JUL 68 ASTOP

- _____ 4. Determine next mission status, if any, and brief crews as necessary.
- _____ 5. Notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted and arrange for any further coordination required.

Flight ID 870930H

HRD

ОАО

Participant

Other

Location

MA

Max Wind

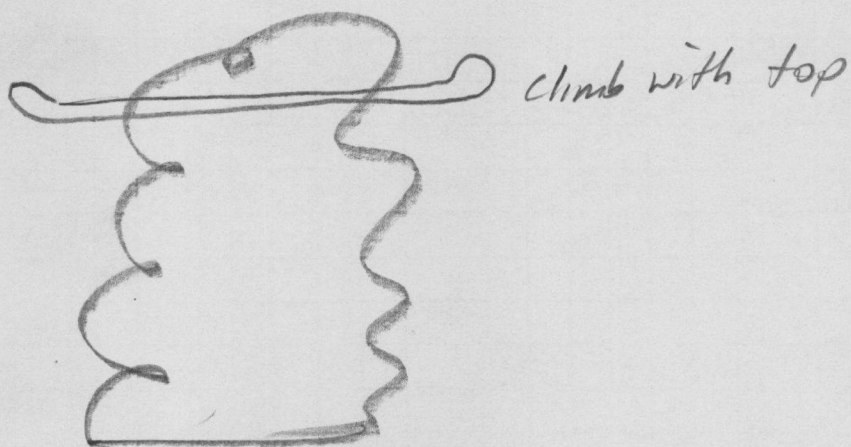
INDIVIDUAL CLOUD PENETRATIONS

D. Equipment Status

<u>Equipment</u>	<u>Pre-Flt</u>	<u>In-Flt</u>	<u>Post-Flt</u>
Aircraft	<u>✓</u>	<u>✓</u>	<u> </u>
Radar	<u>✓</u>	<u>✓</u>	<u> </u>
Cloud Physics	<u>✓</u>	<u>✓</u> cloud Probe not cycling intermittent	<u> </u>
Data System	<u>✓</u>	<u> </u>	<u> </u>
Omegasondes	<u>✓</u>	<u>✓</u> 2 bad sondes	<u> </u>
AXBT/AXCP	<u>—</u>	<u>—</u>	<u> </u>
Doppler	<u>—</u>	<u>—</u>	<u> </u>
Photography	<u>✓</u>	<u>✓</u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>

REMARKS:

E.I. Proposed Flight Pattern (Sketch or designate by number)



II. Actual Flight Pattern

Date 30 SEPT

Flight 870930H1

LPS Willis

Lead Project Scientist Event Log

Time	Event	Position	Comments
1714/30	TAXI	25.48.1 80 17.4	43 DELAYING
1724/02	T/O	25 48.0 80 17.4	
1743/00	2	25 32.7 79 19.5	5209 525.6 251/19 -2.7/-6.6
1801/19	CLO1 PASS 1	24 36.3 78 28.9	5.1 just started for
1805/18	CLO1 PASS 2	24 39.1 78 28.1	not much
1809/50	CLO1 PASS 3	24 38.7 78 27.0	growing
1812/59	CLO1 PASS 4	24 36.8 78 26.1	5.00C turned out
1830/20	CLO2 PASS 1	24 36.2 78 2.0	LOTS OF RAIN
1833/55	CLO2 PASS 2	24 35.7 78 1.3	
1837/17	CLO2 PASS 3	24 36.6 78 1.1	2.6
1841/27	CLO2 PASS 4	24 36.6 78 59.3	H06 26.7 TA 2.6°C
1845/13	CLO2 PASS 5	24 40.3 78 1.7	H06 045
1850/00	CLO2 PASS 6	24 38.3 78 8.1	H06 250
1853/10	CLO2 PASS 7	24 36.6 78 9.9	H06 047
1856/45	CLO2 PASS 8	24 39.2 78 7.3	
1901/40	CLO2 PASS 9	24 38.2 78 6.6	H06
1906/40	CLO2 PASS 10	24 34.5 78 5.1	H06 201
1911/55	CLO2 PASS 11	24 38.0 78 4.3	
1916/16	CLO2 PASS 12	24 35.4 78 2.5	-6.8
1920/57	CLO2 PASS 13	24 33.7 78 1.8	-7.5
1925/95	CLO2 PASS 14	24 34.7 78 1.0	H06

WILL DO DROP NOW

2 SONDERS DROPPED

Date 30 Sept 87 Flight 870930 H1 LPS W. W. W.

Lead Project Scientist Event Log

[illegible]