19870929II.LP

E.2 Lead Project Scientist (On-Board)

E.2.1 Preflight

(____)

- 1. Participate in general mission briefing.
- 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 QAO 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.]

43 RF AT END OF FLIGHT More then enough for 30 Sept. mission 740 cloud physics 720 Doppeter 730 radon 83

- 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.

Form E-2 Page 1 of 5

On-Board Lead Project Scientist Checklist

Date <u>29 Sept. 1987</u> Aircraft <u>43 RF</u> Flight ID <u>870929</u> II

A. Participants

HRD			OAO
Function	Participant	Function	Participant
Lead Proj Sc	i Marks/Gamache	Flight Direc	Masters
Cloud Physic	s_Dorst_	Pilots	Genzlinger, Eiler
Radar	Leighton	Navigator	Henderson
Doppler	M. Black	Sys Engr	Schnicker
Photographer		Data Tech	Gonzalez
Omegasonde		El Tech	Lynch
AXBT/AXCP		Other	à '
	1. 1. 1		
Take-Off	Location	Landing	Location
1722 GMT	Miami, FL	21	Miami, PL
Past and Forecast Storm Locations			

Date/Time	Latitude	Longitude	MSLP	Max Wind	
		en <u>en en e</u>		*	
- A Carrier of Carrier Car		. Comment		0.0	
	62°-	No. 194		18 S.	
1.5	5				

C. Mission Briefing

в.

Form E-2 Page 2 of 5

D. Equipment Status

	Equipment	Pre-Flt	In-Flt	Post-Flt
GA	Aircraft Dombe topes Radar	<u> </u>		
13	Cloud Physics	2DP	200	
	Data System	V		
	Omegasondes			
	AXBT/AXCP			
6	Doppler			
	Photography		·	

REMARKS:

Form E-2 Page 3 of 5

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

alt i Fleft 5 mil warning on o Dw drups wind shear 1201

E. II. Actual Flight Pattern

We essentially hept to this pullows forming alls.

Form E-2 Page 5 of 5

.1

Y Des Marks Gamache

Date Sept 29, 1981 Flight \$7092921

1.

Lead Project Scientist Event Log

Time	Event	Position	Comments
1722	T/0	25°48'N 80° 18'W	Aliffle delay: 170
			in fandam
1730	Track 120 to IP	ty	
1737			level of at 17,000' IC begins
1740			use for NAV check.
1752	Tent	24° 37 W 78° 17% Track 130° Over Andres	-2
1816		talked 1	vita Pavillis
		Chose cloud clu	mp on ESE parties
		A box lover	Exuma reef)
1816	des ano	to 7kft pre	some affitule ist
	+	ack 1200	
(1)	182100	Fk 120°	
(2)	182559	turn for th	L 345 to (3)
(3)	1829	Jurato the	210 /0
(4)	1832	turn to the	1750 +02
ð	1836	turato tk	300° +0
B	1840	forto the	215 to (1)
(4)	1842	turn to th	030° to (3)
(3)	1845	turn to fk	2550 to D
(1)	1898	end patter	0 Hk [30° to

hear Exuma Island.

Form E-2 Page 5 of 5

Flight

S

LPS

Date___

Lead Project Scientist Event Log

Set	up pattern	(2)	
Time	Event	Position	Comments
1	Pattern 2 J	arther south	new set of points
1854	\square	tk 120	0° to (2) w=#1 ms-1
1858	(2)	tk 3	45° to 3 TAAC
1921	3	tk z	10° to D Was off
190539	Ò	the O	750 to 2) frighting
190740	2	4,30	0° to D until 19
1912	Ď	ovbit for fr	× AfconTA BoAfcon
19.19		+k 165	to D' " again
1923	4	term to 20°	63
1928	3	tun to 2550 0	K 🕑
1930	\bigcirc	tan to 120°.	Ko B
1938	Ð	tanto 355°	10 O
1949		father to W. hack	120 to 2
1953	Z	tun to 345° to	3 a more da turn
2002	ØÐ	tun to a so	40 3
2007		Kem to 3950	+3
2012		tento 165°	-60
2016	Ð	term to 0300 ;	63
2020	\bigcirc	tunto 255°	60
2023		tan to 120°	400
2027		tury to 345°	103

Form E-2 Page 5 of 5 page 2 1 3

S

4

Date 870929II Flight 870929II LPS Marks/Comoch

Lead Project Scientist Event Log

Time	Event	Position	Çomments
2030	3	turn to 210°	
2035	Climit to head	home 23'05 76'10'	heading home
			5

