# 19930831 HI.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 AOC 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 AOC 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 $A O C$ flight director 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 AOC flight director.]
4. Obtain a copy of the $10-\mathrm{s}$ flight listing from the AOC flight director. Turn in with completed forms.
5. Determine next mission status, if any, and brief crews as necessary.
6. 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 Check List


Aircraft 42 RF
Flight ID $93083 / \mathrm{H}$
A. Participants

HR
OAO

B. Past and Forecast Storm Locations

C. Mission Briefing

Form E-2
Page 4 of 5
Hurricane Recto Plotting Chart
True at $25^{\circ}$ Latitude, in Degrees and Minutes
Date $8 / 31 / 93$ Aircraft 4221


Note: Label full degrees according to location of flight area.


Form E-2
Page 5 of 5
Lead Project Scientist Event Log

Date
Flight
LPS

| Time | Event | Position | Comments |
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Form E-2
Page 5 of 5
Lead Project Scientist Event Log

Date $\qquad$ Flight $\qquad$ LBS $\qquad$

| Time | Event | Position | Comments |
| :---: | :---: | :---: | :---: |
|  | do a FAST curch n age a | nightarn, upward |  |

Form E-2
Page 4 of 5
Hurricane Recto Plotting Chart
True at $25^{\circ}$ Latitude, in Degrees and Minutes


Note: Label full degrees according to location of flight area.
$2150 \quad 3514,5 \quad 7510^{\prime} \quad 43$

Lead Project Scientist Event Log
Date $\qquad$ Flight $\qquad$ LPG $\qquad$


Lead Project Scientist Event Log

Date $\qquad$ Flight $\qquad$ 930831 H $\qquad$
Lp s R black

D. Equipment Status


REMARKS:

## Form E-2

Page 3 of 5
E. I. Proposed Flight Pattern (sketch or designate by number)
E. II. Actual Flight Pattern

## EMILY 930831H



# Hurricane Research Division <br> Lead Project Scientist Checklist 

Date: 31 Aug, 93 Aircraft IDs: $\mathbf{4 2 R F}$
Proposed Takeoff Time:1537Z Base of Operations: MIAPrimary Mission:_SFC WindsAlternate Mission:none
Scientific Crew:
$42 R F$ ..... 43RF
LPS:P. Black
Doppler Sci.:M. Black
$\qquad$Doppler Op: B. Cristoe
$\qquad$Cloud Phys: none$\longrightarrow$
ODW: none
Others: J. Dorschner/Herald
$\qquad$Others:
$\qquad$
$\qquad$
Mission Briefing (including proposed flight pattern):
Rotated fig 4 at 3,000 ft PA, initially N-S leg parallel to Air Force pattern above us at 5,000 ft PA. Overfly surface buoys and C-MAN stations wherever possible.

