## Lead Project Scientist

## Storm or Project hermine (alog) Experiment name Ri/Lanafall/initinse Rainbang Flight ID 201609012 Mission ID wXWXA Cyclune

$\qquad$ 1. Participate in general mission briefing.
2. Determine specific mission and flight requirements for assigned aircraft.
3. Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility and the mission designation.
$\qquad$ 4. Contact HRD members of crew to:
a. Assure availability for mission.
b. Review field program safety checklist
c. Arrange ground transportation schedule when deployed.
d. Determine equipment status.
$\qquad$ 5. Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
$\qquad$ 6. Meet with AOC flight crew at least 2 hours before take-off for crew briefing. Provide copies of flight requirements and provide a formal briefing for the flight director, navigator, and pilots.
$\qquad$ 7. Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami.
$\qquad$ 8. Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
$\qquad$ 9. Make sure each HRD flight crew member has a life vest.
_10. Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.

## In-Flight

## $\qquad$

1. Confirm from AOC flight director that satellite data link is operative (information).
2. Confirm camera mode of operation.
3. Confirm data recording rate.
4. Complete Lead Project Scientist Form.
$\qquad$ 5. Check in with the flight director to make sure the mission is going as planned (i.e. turns are made when they are supposed to be made).

## Post flight

1. Debrief scientific crew.
2. Gather completed forms for mission and turn in to data manager at HRD.
$\qquad$ 3. Obtain a copy of the 10 -s flight listing from the AOC flight director. Turn in with completed forms
3. Obtain a copy of the radar DAT tapes. Turn in with completed forms.
4. Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.
[Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
[^0]
## Lead Project Scientist Check List

| Storm or Project_HERMINE (ALO9) Experiment name_RI/LANDFALL/INTENSE |  |
| :--- | :--- |
| Flight ID $20160901 \pm 2$ | Mission ID_WXNXA CYCLONE MONUE |

## A. Participants:

| HRD |  | AOC |  |
| :---: | :---: | :---: | :---: |
| Function | Participant | Function | Participant |
| Lead Project Scientist | Zamislak | Flight Director | wicuams |
| Radar/Workstation | Annane | Pilots | KERNS/OBITBSL |
| Cloud Physics |  | Navigator <br> Systems Engineer | Gouncher Lyncl |
| Dropwindsonde | ZAWISLAK | Data Technician <br> Electronics Technician | mascaro |
| AXBT/AXCP <br> Photographer/Observer s/Guests |  | Other |  |

## B. Take-off and Landing Times and Locations:

Take-Off: 1402 UTC Location: Mac Dill
Landing: © 22 UTC Location: $H_{A C D}$
Number of Eye Penetrations: $\qquad$
C. Past and Forecast Storm Locations:

| Date/Time | Latitude | Longitude | MSLP | Maximum <br> Wind |
| :---: | :---: | :---: | :---: | :---: |
| $1 / 1500 z$ | 27.8 | 85.6 | 989 mb | 60 kT |
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## D. Mission Briefing:




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Storm or Project Hermine (along) Experiment name RI/Landfall /intense Rainband module Flight ID 20160901 IR Mission ID WXWXA CYCLONE
E. -Equipment Status (Up $\uparrow$, Down $\downarrow$, Not Available N/A, Not Used $\mathbf{O}$ )

| Equipment | Pre-Flight | In-Flight | Post-Flight | \# DATs/CDs <br> Expendables/ <br> Printouts |
| :--- | :--- | :--- | :--- | :--- |
| Radar/LF |  |  |  |  |
| Doppler Radar/TA |  |  |  |  |
| Cloud Physics |  |  |  |  |
| Data System |  |  |  |  |
| GPS sondes |  |  |  |  |
| AXBT/AXCP |  |  |  |  |
| Ozone instrument |  |  |  |  |
| Workstation |  |  |  |  |
| Cameras |  |  |  |  |

## REMARKS:

## Mission Summary

## Storm name

## YYMMDDA\# Aircraft 43RF



Mission Briefing: (include sketch of proposed flight track or page \#)
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Mission Synopsis: (include plot of actual flight track)








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 WILLR WK WERE OU TVFRE AO WEL.
Expendables used in mission:
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AXBTs: $\qquad$ chater bechma clear

WE NET PRUR USES OESECTVEX.
Sonobuoys: $\qquad$

## Lead Project Scientist Event Log

Date $9 / 1 / 16$ Flight ID 20.60901 I2 LPS Zawislak

| Time | Event | Position | Comments |
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| 19518 |  |  | turninc gost towazos coast |
| 19542 | Sonde 1 | $28^{\circ} 56^{\prime} / 03^{\circ} 10^{\prime}$ |  |
| 20022 | Somote 2 | $29^{\circ} 29^{\prime} / 83^{\circ} 29^{\prime}$ | $\rightarrow$ near le ut |
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| 20387 | Sunde 5 | 28.61/89.18 | $C T R$ |
| 2005 z | Sonde 6 | $26.79 / 85.14$ | max wino |
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| $2115 z$ |  | $26^{\circ} 57^{1} / 84^{\circ} 46^{\prime}$ | mive Pozsualut Bran to if |
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| 2241 | Sonat 10 | $28^{\circ} 54^{\prime} / 84^{\circ} 53$ ' | Proop at cenity. |
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Lead Project Scientist Event Log
Date $9 / 1 / 16$
Flight ID 20160901 I2 L LPS Zawislaik

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| 2357 | 0200 17 | 29.57/83.05 | At Eo or dowiming |
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[^0]:    $\qquad$ 6. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.

    - 7. Determine next mission status, if any, and brief crews as necessary.
    - 8. Notify MGOC as to where you can be contacted and arrange for any further coordination required.
    _- 9. Prepare written mission summary using Mission Summary form.

