0509234

Lead Project Scientist

| Preflight | |
|--------------|---|
| MB 1. | Participate in general mission briefing. |
| MB 2. | Determine specific mission and flight requirements for assigned aircraft. |
| MB 2. | Determine from field program director whether aircraft has operational fix responsibility and discuss with AOC flight director/meteorologist unless briefed otherwise by field program director. |
| <u>mB</u> 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. |
| 5. 5. | Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing. |
| | 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. |
| 6. | Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami). |
| MIB7. | Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times. |
| NB7. | Make sure each HRD flight crew members have life vests |
| MB7. | Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset. |
| 8. | Collect "mess" fee (\$2.00) from all on-board HRD flight crew members. |
| In-Flight | |
| 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. 5. | Complete Lead Project Scientist Form. |
| 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. | Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC. |
| 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-s flight listing from the AOC flight director. Turn in with completed forms. |
| 5. | Obtain a copy of the radar DAT tapes. Turn in with completed forms. |
| 6. | Obtain a copy of the all VHS videos form aircraft cameras (3-4 approx.). Turn in with completed forms. |
| 7. 8. 9. | Obtain a copy of CD with all flight data. Turn in with completed forms. |
| 8. | Determine next mission status, if any, and brief crews as necessary. |
| 9. | Notify MGOC as to where you can be contacted and arrange for any further coordination required. |
| 10. | Prepare written mission summary using Mission Summary form (due to Field Program Director a week after the |

| | Lead Project Scientist Check List | | | | | |
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| Photographer/Observer 2 p change Data Technician Sean menillen /Guests Dropwindsonde Melicie Res (Electronics Technician) | | | | | | |
| AXBT/AXCP | METICI PALITING | | | | | |
| B. Take-off and Landing Times and Locations: Take-Off: // 5/UTC Location: | | | | | | |
| Number of Eye Penetrations: about 30, man | | | | | | |
| C. Past and Forecast Storm Locations: | | | | | | |
| Date/Time | Latitude | Longitude | MSLP | Maximum Wind | | |
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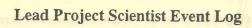
D. Mission Briefing: Ocean Winds (RA) NEX/IFEX

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Lead Project Scientist Event Log

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