Lead Project Scientist

| ght I | Maria Caraca | 20140826H Mission ID 504A |
|--------------|--------------|---|
| efligl | ht | |
| <u></u> E4 | 1. | Participate in general mission briefing. |
| _ : | 2. | Determine specific mission and flight requirements for assigned aircraft. |
| ر نېلىلى | 3. | Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibiliand the mission designation. |
| | 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. | Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing. |
| | 6. | Meet with AOC flight crew at least 2 hours before take-off for crew briefing. Provide copies of fligrequirements and provide a formal briefing for the flight director, navigator, and pilots. |
| | 7. | Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami. |
| | 8. | Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times. |
| | 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 h and speak using the headset. |
| Flig | ht | 125000 |
| | 1. | Confirm from AOC flight director that satellite data link is operative (information). |
| | 2. | Confirm camera mode of operation. |
| 1 | 3. | Confirm data recording rate. |
| 1 | 4. | 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 supposed to be made). |
| st fl | ight | |
| 7, | 1. | Debrief scientific crew. |
| | 2. | Gather completed forms for mission and turn in to data manager at HRD. |
| | 3. | Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms. |
| | 4. | Obtain a copy of the radar DAT tapes. Turn in with completed forms. |
| | 5. | Obtain a copy of serial flight data on thumb drive. Turn in with completed forms. |
| ote: all | data re | emoved from the aircraft by HRD personnel should be cleared with the AOC flight director.] |
| - | 6. | Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard 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. |

| | Lead Project So | cientist Check L | ist | |
|---------------------------|------------------------|------------------|--------------|-----------------|
| torm or Project <u>Cr</u> | stobal | Experiment | name_TDR | / |
| light ID 20 40 | 826H1 | Mission ID | 1504A | |
| A. Participants: | | | | |
| HRI | D | | AOC | |
| Function | Participant | Function | 75, 03H 875 | Participant |
| Lead Project Scientist | Jun zhang | Flight Dire | ector | Henning |
| Radar/Workstation | Jun zhang Frank Man | Pilots | | Hams |
| | | Navigator | | Tim |
| Cloud Physics | Cloud Physics | | | Terry Lynch |
| | | Data Tech | nician | Бe |
| Dropwindsonde | Rob Rogers | Electronic | s Technician | Tod |
| AXBT/AXCP | | Other | | |
| Photographer/Observer | . | | | |
| s/Guests | | | | |
| B. Take-off and Landi | ng Times and Loc | eations: | | |
| Take-Off: 0547_UTC | Location: | Nies geldere | | |
| Landing:UTC | C Location: | | | |
| | | | | |
| Number of Eye Penetra | lions: | | | |
| C. Past and Forecast S | torm Locations: | | | |
| Date/Time | Latitude | Longitude | MSLP | Maximum Wind |
| | | | | |

| Date/Time | Latitude | Longitude | MSLP | Maximum Wind |
|--|--------------|-----------|---------------------------------|-----------------|
| | | | 18 1990 1 3 1 1 1 1 1 1 1 1 1 1 | |
| | | | | |
| | 19825/3/6742 | | | |
| | | | | |
| The state of the s | | | | |

D. Mission Briefing: TDR Mission, butterfly pattern, Added soudes for the 45 miles ractors. - Also chapsondes at Min. Come the burst module - reverse patter maked of box, Rob ragent will call for the module

Lead Project Scientist Event Log

Date 08/26 Flight ID 201408264 LPS J Weng

| Time | Event | Position | Comments |
|----------|--------------------|-------------------|----------------------|
| 0741 | Everything wo | ks woul safar | reductions well |
| | Frankhelps R | ob ser up the | sords analysis |
| 0808 | tying to find 7 | the may wound in | 5 male |
| 0855 1 | Sout to be senta | ne - 56 miles | Fl - it's about 1-50 |
| 0944 | rebog when so | | |
| 1027 | objectly as the So | wh-ear coner | - restanting the way |
| | new your | | |
| 1106 | Ho des no note | my reporting - | |
| 11230 | running the the | al reulan anal | les minning time to |
| | fam C-15 Min | and even & | unved |
| | Trying to fix it | with John 6 | - tobable shooping |
| | trying new o | eve | |
| | trying dittere | me shods | :22BAM3:S |
| | - may be du | e to the orbiting | a the center |
| | | oblame- | |
| 1234 | Doppler analy 27 | s posten fortil | And analysis ranning |
| | only did the | shound and on | forend logg no dons |
| | nother street. | | ag leg |
| | | | |
| Date/E18 | | 1,000,000,000 | 3433.X |
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Lead Project Scientist Event Log

Date 08/26 Flight ID 201408264 (LPS Jun Zhang

| | Time | Event | Position | Comments |
|----------|---------|-------------------|-------------|--------------------|
| | 0547 | Take off D | | |
| 丛 | | IP (2) | 2557 7406 | propl |
| | 0737 | gonn | 25 45 73 39 | mp 2 |
| | 0748 | max und | 2552 7248 | Drop 3 |
| ny & | | center #: | 26 04 7153 | Prop4 987m 14 Kt |
| BL74611. | 7080 | man wind | 2603 7121 | Drop 5 , 47K+ fl- |
| | 08/18 | gonn | 263 7033 | prop 6 |
| ♦ | 0829 | turn point (3) | 260+ 6944 | 2007 - |
| | 0855 | End of downwind 4 | | Drop 8 |
| | 0903 | 90 nm | 2724 7113 | grop 9 55 |
| | 0919 | max wind | 2633 714) | Onoplo - Spection |
| / 4 | 0926 | center & | 2613 7157 | map (119. 22/4 |
| | 0939 | max wind | 2527 7227 | DYOP 12 |
| | 0948 | 90 nm | 24567247 | prop/2 |
| 4 | | turn sint 5 | 24 18 7405 | prop 14 |
| (1024) 2 | | Frelof down (6) | | prop 13 - 95 mm |
| | 10:36 | 90 um | | prop 16 (38/10) 2 |
| | 10 50 7 | maxwind | 2554 7/39 | Propin - tripsonde |
| loket - | | lener & | 2633 7200 | Prop 18 BT Combo Z |
| | 11.05 | maxword | 2670 7212 | prop 19 |
| | 11:19 | gonn | 2740 1244 | mop 20 |
| _ | # 1129 | From point (| 7817 7308 | mp 2 |
| | 11200 | Landing (8) | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

The forst soule will be the IP.

07051- End porn of

Mission Summary Storm name YYMMDDA# Aircraft 4_RF

| | entist Jun Zhang |
|---|--|
| Radar Scientist_ | Frank marks |
| Cloud Physics So Dropwindsonde S | Scientist Robert Rosers |
| Boundary-Layer | Scientist |
| Workstation Scie Observers (affilia | ation) Johnsthen Wigh |
| | |
| Mission Briefing: (include sketch of pro | oposed flight track or page #) |
| and I church the le | mer. Row, - proposed 21 + 2 drops |
| - shear experiment - inflo | re layer module - (more sondes) |
| Mission Synopsis: (include plot of actua | al flight track) |
| 557 from 13T menches the I | e sonde |
| expension and the Run | elater titore fix showed storm is - sonm. So changed plan drop at go n |
| Problems: (list all problems) der point had problem. | - Frank natice it reset it by Terry was saloware recent to be boot a couple of times - |
| 4Dobs - AbMuniverson - W | us sofoware need to ve boot a couple of |
| Expendables used in mission: | times - |
| GPS sondes : | - Kader anely ers stopped norking for |
| AXBTs: | the that exewall peneration legs |
| Sonobuoys: | Trying to from it by running deferen |
| | sirving line |
| fortionals will be shoup. | P3 orbiting of the third leg rebuting the dura system . HP obs - |
| | the dara system . HO obs - |
| | ENG. |



