Dropsonde Scientist

| Flight ID \subset | 2021081511 Storm 670.00 Mission ID 020+A |
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| Dropsonde | Scientists Sellocal |
| AVAPS O _I | perators Underwood |
| patterns for illustrated o problems, e sole HRD | and Project Scientist (LPS) on the P3 is responsible for determining the distribution of dropwindsonde releases. Predetermined desired data collection patterns are on the flight patterns. However, these patterns are often altered because of clearance atc. Operational procedures are contained in the operator's manual. On the G-IV the person is designated the LPS. The following list contains more general ary procedures to be followed. (Check off or initial.) |
| 1 | Determine the status of the AVAPS and workstation. Report results to the LPS. |
| Z 2, | Confirm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft. |
| □ 3. | Modify the flight pattern or drop locations if requested by AOC to accommodate changes in storm location or closeness to land. |
| ゴ 4. | Complete the appropriate preflight set-up and checklists. |
| In-Flight | |
| | Operate the system as specified in the operator's manual. |
| <u> </u> | Ensure the AOC flight director is aware of upcoming drops. |
| 日 3. | Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal. Recommend if a backup dropsonde should be launched in case of failure. |
| □ 4. | Report the transmission of each drop and fill in the Dropwindsonde Scientist Log. |
| Post flight | |
| <u></u> | Complete Dropwindsonde Scientist Log. |
| 2 . | Download all raw and processed AVAPS files to thumbdrive |
| 2 3. | Brief the LPS on equipment status and turn in completed forms and thumbdrive. |
| 4. | Debrief at the base of operations. |
| 5. | Determine the status of future missions and notify Field Program Director as to where you can be contacted. |

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|--|--------------------------------|------------------------|--|---------------------|--|----------------------|----------------------------------|--|--------------|--|--------------|
| | Drop # | Sonde ID | Time UTC | Lat (°N/S) | Long (°E/W) | Sfc Pressure (mb) | Wind closest to Dir/Spd (deg/kt) | st to Hgt (m) | SST (C) | EyeEyewall, Rainband,etc, | do # |
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