

Radar Scientist Form

(Updated 31 May 2019)

Flight ID 190817H1 Storm EP95

HRD Radar Scientist (Aircraft/Ground) JASON DUNN / Paul Reasor

AOC Radar Operator _____

The aircraft radar scientist is responsible for data collection from all radar systems on his/her assigned aircraft, working with the ground radar scientist to ensure successful transmission of all radar products from the aircraft in a timely manner, and contributing to mission science by communicating real-time radar products to the LPS. Specific responsibilities are detailed in the *Aircraft Radar Support Guide* located on the radar workstation desktop and in the flight bag.

§ Pre-flight Notes.

Indicate below any existing radar instrumentation issues, pre-flight radar repairs or other instrumentation issues (e.g., GPS swapout) that might impact radar data collection or analyses. If none, then simply write NONE below.

NONE

13N — 90W
10N — 13
95W 90W 89W

§ Pre-flight Setup with Ground Radar Scientist.

Preferably before the planeside briefing, establish Xchat communication with the ground radar scientist on #radar. Check off the following tasks.

- Communicate any pre-flight issues noted above.
- Confirm latest flight pattern. Sketch to the right.
Indicate legs constituting proposed analyses.
- Go through Steps 1-3 of Aircraft Radar Support Guide.

§ In-flight Setup with Ground Radar Scientist.

After radar recording has begun, reestablish Xchat communication with the ground radar scientist on #radar. Check off the following tasks.

- Go through Steps 4-7 of Aircraft Radar Support Guide.

Indicate below any issues identified during Steps 4-7, in particular any radar instrumentation issues evident in the radar displays. If none, then simply write NONE below.

no issues- there were problems getting a TDR Heartbeat during the 19081642 Ferry yesterday. No problems today

§ In-pattern Radar and Weather Event Log.

Indicate below any radar down times or significant weather observations that might be helpful for interpreting radar analyses (e.g., flight through sparse shallow convection).

Time (HHMMSS)	Event (Radar or Weather)
1339Z	Ferry to IP, FL 22400, skimming above cloudtops Photo TDR+GDS
140810	IP FL 22329Z in the clouds, no precip
1444Z	some conv towers above FL off left wing near drop 4
1458	conv towers off left wing
	end of initial E-W sweep files stopped being sent to /home/s56op/201908
	AOC Data had all TDR data, but their script froze. mike reset the AOC script. + everything looks ok now
1549Z	no new ZTS/TM.RAW data since 1522Z. Ran tdrProcSend to force file transfer
1610Z	no joy with getting files after 1522Z.. rebooting workstation
1702	reboot didn't solve problem - workaround is for AOC data to push files over to HARD workstation

1733Z mid way pts 17-18. 21,300 FL, snow

