

Radarscientist Form

(Updated 31 May 2019)

Flight ID 20191018H1 Storm PTC116 / TS Nestor

HRD Radar Scientist (Aircraft/Ground) Holbach / Reasar

AOC Radar Operator Mascaro

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

§ 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.

radarsync -u hung. Reboot of computer fixed it.

§ 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.

radarsync - a hung, fixed w/ workstation reboot, workstation monitor stopped working, but was fixed prior to IP

§ 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)
1154Z	Takeoff
1200Z	TDR on & collecting data
1243Z	Passing by some convective cells, echos up to ~ 8km
1333Z	Flying below stratus deck, stratocumulus below us.
1341Z	Flying through cloud tops
1535Z	mostly stratiform precip
1543Z	some convective cells embedded in stratiform
1646	plenty of cumulus some alto cu
1657	Approaching western edge of precip
1652Z	radarsync had an error uploading. ^{restarted} radarsync in new termin.
1735Z	radarsync had to be restarted. Job was hanging
1805Z	in more stratiform with convective cells around a
1844Z	TDR off

§ End-of-Flight Shutdown with Ground Radar Scientist.

Once the aircraft exits the system, reestablish Xchat communication with the ground radar scientist on #radar. Check off the following tasks.

- Go through "NEAR END OF FLIGHT" Steps 1-5 of Aircraft Radar Support Guide.

If you recorded 'N' for Analysis Sent at any point during the flight, please detail the situation below. If there are any other *mission-critical* issues pertaining to the radar systems not documented above, please note them here. If none, then simply write NONE below.

None

