

Radarscientist Form

(Updated 31 May 2019)

ground LPS
Lisa Bucci

Flight ID 20210812H1 Storm Fred

HRD Radar Scientist (Aircraft/Ground) Marks/Reason/Fischer

AOC Radar Operator J. Richards

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.

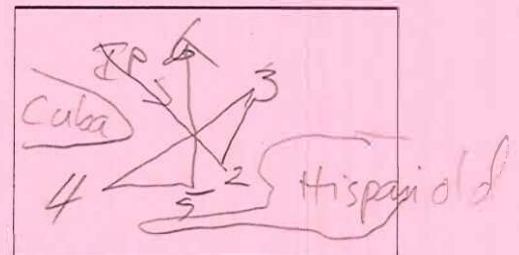
Indicate below any existing radar instrumentation issues, pre-flight radar repairs or other instrumentation issues (e.g., GPS swapout) that might impact radar data collection or analyses. If none, then simply write NONE below.

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.



drops: 14/14 drop/sent
TDR: 3 analyses / 3 sent
CRC: operational

§ 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.

0506A Fred

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.

Everything was good until I accidentally locked the TDR workstation and had to reboot at the IP (I wasn't too much on TDR) Fully recovered as we started getting in convection

§ 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)
1023	Start TDR processing for isolated showers at mid pole in bow
1033	end leg #1 turn TK 040 to Pt 3
1050	end downwind leg
1052	Start leg #2 TK 240
	scattered cells at beginning of leg
1144	end leg #2
1214	end "downwind" leg turn TK 360
1258	end pattern climb to ferry to LAL
1315	TDR shutdown

- (B)
- Pilot:
- Abitbol
- Shaw
- Stalder
- Nav:
- Utama
- B. Richards
- ED:
- Nikki Hathorn
- Ashley Lunde
- Data:
- T. Richards
- Drop:
- warneke
- Flight eng'neer:
- Sanchez
- Stokes
- Science:
- Marks radar
- Wadler drops

§ 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.

This was a tricky mission with Fred downgraded to a depression, land interactions, and truncated legs. Completed 3 analyses without much information on center position. Pattern was flown off of estimated position. Data was xmitted anyway to help the model initialization even though low coverage.

* Put data onto N43RF hard drive even though this is a N42RF mission

3 Analyses done and xmitted

