

Radar Scientist Form

(Updated 31 May 2019)

Flight ID 190829H2 Storm Dorian (ALOS)
HRD Radar Scientist (Aircraft/Ground) Hazelton, Gamache
AOC Radar Operator McAlister

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.

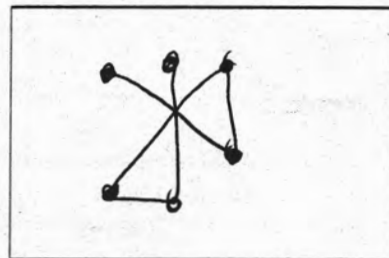
Indicate below any existing radar instrumentation issues, pre-flight radar repairs or other instrumentation issues (e.g., GPS swapout) that might impact radar data collection or analyses. If none, then simply write NONE below.

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.



§ 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.

NONE

§ 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)
2313	Notice eye (double!), structure on radar

Jobfile Parameters for Automated TDR Analysis

FLIGHT ID: 190829H2

Aircraft Radar Scientist: Hazelton

Leg Start Time	Leg End Time	Storm Motion		Center Fix			Inbound Track	Outbound Track	Event Type	Max Radius if not 250 km	Horiz. spacing if not 2 km	Accept. for Graphics? (Y/N)	Analysis Sent? (Y/N)
				Time	Latitude	Longitude							
HHMMSS	HHMMSS	Deg	Kts	HHMMSS	Decimal Deg	Decimal Deg	Azimuth (deg)	Azimuth (deg)	IN/TS/H/MH			(Y/N)	(Y/N)
232350	240300	325	11	235023	22.8	68.0	20	120	H	250	2	Y	Y
241300		325	11	—	23.0	68.1	—	—					
243650	252015	325	11	243825	↓	↓	240	240	H	250	2	Y	Y
251015	253848	325	11	←	—	—	—	—					
253848	262403	325	11	250110	23.0	68.32	360	360	H	250	2		

Down wind

Down wind