Radar Scientist Form

(Updated 31 May 2019)

Flight ID 20210811T1 Storm Fred							
HRD Radar Scientist (Aircraft/Ground) Marks/Reasov							
AOC Radar Operator 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.							
BMC TDR Missan as Fred wakes landfall in Hispaniola, Also do 10 min leg to cherte TDR angle correction							
January Committee of Committee of the Co							
∮ 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. D-Go through Steps 1-3 of Aircraft Radar Support Guide.							

∮ In-flight Setup with Ground Radar Scientist.

0306A Fred

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.

we are working on finding new agimuth angle correction. Planned on 10 mm leg in Strabfour voin to evaluate Suggested 12,5° correction. Tested that correction on mission.

∮ 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	Event (Radar or Weather)
(HHMMSS)	2 to 22 (Attaut of World 1)
0839	To Aruba
0939	1ststratiform leg logins in vandands
0448	end stratiform leg -stratain was Soffetten
1010	IP start 1st les tooking at strat analysis
1029	65 off shore pussed just Not it Moncheste
1100	end leg #1 turn TK 310 cut leg short to 90 mm
1115	Start leg #2 TK 210 to point of the coast
1138	turn to catch 6) off share west of our track
1142	6 tearn to TK 180 to stay in propip
120b	end leg #2 start downwind by in legacy
1236	end downwind doing final TDR amely 513 1, 9 that real
	end TDR analyses

TOUR Drop#1 2015,71.9W BUR Drop#2 20175, 72.27W BUR Drop#3 21.N, 72.6W

∮ 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.

To 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.

-No and goes were transmitted due to
-No analyses were transmitted due to azimuth angle correction issue.
-test 2,50 az correction on 1st Zanalges
- test 1,9° az correction an downwind strat le
- conclusion-is ambiguous as slope
tempined no matter what angle correction we put in to analyses.
tempthed no matter what angle correction we
put in to analyses.
- Impact - given soffware update just
ofare Mission and 11 the hoper of charges
- Impact - given soffmare update just before mission and little impact bey dreiging caz cor means detailed analysis is needed before X mitting TDR analyses
from N43.

Jobfile Parameters for Automated TDR Analysis

1	Jobine Farameters for Automated TDN Analysis															
FLIGHT ID:								Aircraft Radar Scientist:								
	Leg Start Time	Leg End Time	Storm Motion		Time	Center Fix Latitude Longitude		Inbound Track		Event Type	Max Radius	Horiz.	Accept. for Graphics?	Analysis Sent?		
	HHMMSS	HHMMSS	Deg	Kts	HHMMSS	Decimal Deg	Decimal Deg	Azimuth (deg)	Azimuth (deg)	IN/TS/ H/MH	if not 250 km	if not 2 km	(Y/N)	(Y/N)		
	0939	0749			NA	NA	WA	065	NA				N	W		
	1010	1/00			1029			065	065	75			N	N		
	6112	1206			1142			210	180	73			1	N		
1x	120%	1236			NA			080		T5			M	IV		
d																
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					41-00											
	4543				4	1.7.1										

strat leg

notes