## **Radar Scientist**

Flight ID_2	010/06 IZ Storm Matthew
Radar Scient	tist Kelly Radar Technician Dana
on his/her ass	oard radar scientist is responsible for data collection from all radar systems igned aircraft. Detailed operational procedures and checklists are contained r's manual. General supplementary procedures follow. (Check off or initial.)
Preflight	
1.	Determine status of equipment and report results to lead project scientist (LPS).
	Confirm mission and pattern selection from the LPS.
<u> </u>	Select the operational mode for radar system(s) after consultation with the LPS.
<u>4</u> .	Complete the appropriate preflight check list.
In-Flight	
1.	Monitor the Tail Doppler Radar function regularly, using the real-time TA display, to make sure the Doppler radar is scanning and working normally.
2.	Once at the IP, request that the tilt be adjusted to remove sea clutter.
<u></u>	Request that the LF radar is set to full scan (non-sector mode) for first Figure 4.
4.	Maintain the Doppler Wind Parameter form as well as a written commentary in the Radar Event Log of event times, such as ending and restarting of radar recording. Also document any equipment problems or changes in R/T, INE, or signal status.
Post flight	
1.	Complete the summary checklist and all other appropriate forms.
	Download all Belly (LF) scan radar data files to thumb drive.
<u></u>	Download all tar'd (TA) radar data files to thumb drive.
4.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
	Debrief at the base of operations.
<u> </u>	Determine the status of future missions and notify HFP Director as to where you can be contacted.

## **HRD Radar Scientist Check List**

Flight ID: 20161006IZ
Aircraft Number: 43
Radar Scientist:
Radar Technician: Don &
Component Systems Status (Up ↑, Down ↓, Not Available N/A, Not Used O):  Radar Computer  Lower Fuselage (LF) Antenna
Tail (TA) Antenna
Radar Post flight Summary
Significant down time:
Radar LF
Radar TA
Other Problems:  thouble getting data off P3  La prob on aircraft NoT
radar sosaware

## Donnler Wind parameters

			-	Dobb	poppier wind param	parame	eters				
Flight ID:	Flight ID: 2016180612	612		Doppier autoi	matic QC a	Doppler flight-leg notes (for use in automatic QC and analysis)	is)	Scientist:	tist: $Ke_0$	My/Pau	Ma
Leg Start	Leg End	Storm Motion	Motion	!	Center Fix		Inbound	Outbound	Max Radius	Horz. Res	Sent
SSMMHH	SSWMHH	Degrees	Knots	SSMMHH	(Dea/Min)	(Dea/Min)	track	track	Default = 245	Default = 5	(Y/N)
1852	1940	315	10	410	15°49'21"	1549/21" 784724	225	45			
ahbi	1000 C	325		1,402	26.1	5°8£	315	135			
2140	2140 2304	328	11	0122.	26.3	834	5h	225			
1997	4204 0035	325	11	2325 2629	2629	78853	135	315			
80035	0109	325		0049	2645	793	225	315			
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*							7				

R	1
L	2

## Doppler Wind parameters

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Flight ID:	161006 IZ	2		Doppler autor	flight-leg r natic QC a	Doppler flight-leg notes (for use in automatic QC and analysis)	is)	Scientist:	tist: Reason	SOR	
Leg Start	Leg End	Storm Motion	Motion		Center Fix		Inbound	Outbound	Max Radius	Horz. Res	Sent
				- 11110	Lantudo	Foligitade			,		
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)
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624082	235004	325	7	23253	2629	7853	316	312	2	7	<u> </u>
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242288	250931	325	12	244902	26 45	20 86	47	309		<b>S</b>	
									245	5	mark