

NOAA 3 0910A INSRIID

**Radar Scientist**

Flight ID 2013094411 Storm Thgnid Radar Scientist V. Vincent C

The on-board radar scientist is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and checklists are contained in the operator's manual. General supplementary procedures follow. (Check off or initial.)

**Preflight**

- 1. Determine status of equipment and report results to lead project scientist (LPS).
- 2. Confirm mission and pattern selection from the LPS.
- 3. Select the operational mode for radar system(s) after consultation with the LPS.
- 4. Complete the appropriate preflight check list.

**In-Flight**

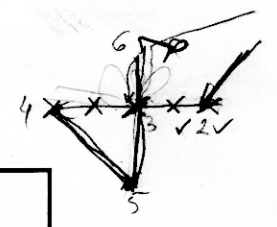
- 1. Monitor the Tail Doppler Radar function regularly, using the realtime TDR display, to make sure the Doppler radar is scanning and working normally.
- 2. Maintain the Doppler Wind Parameter form as well as a written commentary in the Radar Event Log of event times, such as ending and restarting of 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.
- 2. Download all Tail (TA) radar data files to thumb drive.
- 3. Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
- 4. Debrief at the base of operations.
- 5. Determine the status of future missions and notify HFP Director as to where you can be contacted.

Analysis 1 times: <sup>start</sup> 20:12:59 / <sup>center</sup> 20:39:05 / <sup>end out</sup> 20:58:07 / <sup>end downwind</sup> 21:27:13  
 Analysis 2 21:28:58 / 21:47:48 / 22:12:11 / 22:18:30

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### Doppler Wind parameters

Flight ID: 20130914				Doppler flight-leg notes (for use in automatic QC and analysis)				Scientist: Vericent			
Leg Start Time	Leg End Time	Storm Motion		Center Fix			Inbound	Outbound	Max Radius (km)	Horz. Res (km)	Sent ?
				Time	Latitude	Longitude					
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track	Default = 245	Default = 5	(Y/N)
20:12:59 M 217/9251	20:35:21 20:58:23	<del>270</del> 320	6kt				direct dir west 270	dir west 270			
A1 20:39:05 out	20:58:07 up								French outward		
down wind 20:58:07	21:27:13										
21:28:58 in	21:47:48						360	360			
A2 21:48:06 out	22:12:11										
22:12:12 upwind	22:18:30										
A3 22:18:30 third in	22:37:20										

50kt surface  
 5th FL  
 vertical after ID  
 track 270  
 260  
 270  
 60kt surface  
 max  
 68-FL  
 60-surface  
 60kt surface  
 passed eye  
 going northward  
 21:20'  
 94° 32'  
 center  
 first pass  
 Center  
 second  
 pass  
 2126  
 9438

320

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