

NOAA 3 0910A INSRID

Radar Scientist

Flight ID 201309411 Storm Ingnid Radar Scientist V. V. 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

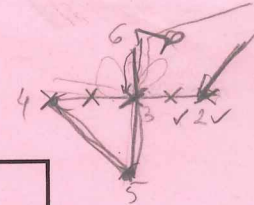
- _____ 1. Monitor the Tail Doppler Radar function regularly, using the realtime TDR display, to make sure the Doppler radar is scanning and working normally.
- _____ 2. Maintain the Doppler Wind Parameter form as well as a written commentary in the Radar Event Log of event times, such as ending and 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: ^{start} 20:12:39 / ^{center} 20:39:05 / ^{end out} 20:58:07 / ^{end downwind} 21:27:13
 Analysis 2 21:28:58 / 21:47:48 / 22:12:11 / 22:18:30

0910A JWSR'D



Doppler Wind parameters

Flight ID: 20130914				Doppler flight-leg notes (for use in automatic QC and analysis)			Scientist: V. Kienle				
Leg Start Time	Leg End Time	Storm Motion		Center Fix			Inbound	Outbound	Max Radius (km)	Horz. Res (km)	Sent ?
				Time	Latitude	Longitude			Default = 245	Default = 5	(Y/N)
HHMMSS	HHMMSS	Degrees	Knots	HHMMSS	(Deg/Min)	(Deg/Min)	track	track			
20:12:39 M 217/9251	20:39:05 20:39:23	270 320	620				directly dive west 270	dive west 270			
20:39:05 out	20:58:07								French outland		
downwind 20:58:07	21:27:13										
21:28:58 M	21:47:48						360	360			
21:48:06 out	22:12:11										
22:12:11 upwind	22:18:30										
22:18:30 thru in	22:37:20										

500 ft surface
 510 ft FL
 gustat 210
 French 270
 260
 270

600 ft surface
 max
 68 - FL

60 - surface
 600 ft surface
 passed eye
 going northward

21:20'
 94° 32'
 Center
 first pass

Center
 second
 pass
 21:26
 9438

A1

A2

A3

350

in
 in