

Lead Project Scientist

Storm or Project Gabrielle Remnants Experiment name Genesis Soney
Flight ID 130907H1 Mission ID WB07A Gabrielle

Preflight

- ___ 1. Participate in general mission briefing.
- ___ 2. Determine specific mission and flight requirements for assigned aircraft.
- ___ 3. Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility and the mission designation.
- ___ 4. Contact HRD members of crew to:
 - a. Assure availability for mission.
 - b. Review field program safety checklist
 - c. Arrange ground transportation schedule when deployed.
 - d. Determine equipment status.
- ___ 5. Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
- ___ 6. Meet with AOC flight crew at least 2 hours before take-off for crew briefing. Provide copies of flight requirements and provide a formal briefing for the flight director, navigator, and pilots.
- ___ 7. Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami.
- ___ 8. Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
- ___ 9. Make sure each HRD flight crew member has a life vest.
- ___ 10. Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.

In-Flight

- ___ 1. Confirm from AOC flight director that satellite data link is operative (information).
- ___ 2. Confirm camera mode of operation.
- ___ 3. Confirm data recording rate.
- ___ 4. Complete Lead Project Scientist Form.
- ___ 5. Check in with the flight director to make sure the mission is going as planned (i.e. turns are made when they are supposed to be made).

Post flight

- ___ 1. Debrief scientific crew.
- ___ 2. Gather completed forms for mission and turn in to data manager at HRD.
- ___ 3. Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
- ___ 4. Obtain a copy of the radar DAT tapes. Turn in with completed forms.
- ___ 5. Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.

[Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]

- ___ 6. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
- ___ 7. Determine next mission status, if any, and brief crews as necessary.
- ___ 8. Notify MGOC as to where you can be contacted and arrange for any further coordination required.
- ___ 9. Prepare written mission summary using **Mission Summary** form.

Lead Project Scientist Check List

Storm or Project _____ Experiment name _____

Flight ID _____ Mission ID _____

A. Participants:

HRD		AOC	
Function	Participant	Function	Participant
Lead Project Scientist	<u>JASON DUNION</u>	Flight Director	<u>Hennery</u>
Radar/Workstation	<u>Lisa Bucci</u>	Pilots	<u>Giramonte</u> ^{Klaboy} <u>Keams</u>
		Navigator	<u>Siegel</u>
Cloud Physics	_____	Systems Engineer	<u>Klippel / Puls</u>
		Data Technician	_____
Dropwindsonde	<u>Joe Clone</u>	Electronics Technician	<u>Bosko / Lynch</u>
AXBT/AXCP	_____	Other	
Photographer/Observer	_____		
s/Guests	_____		

B. Take-off and Landing Times and Locations:

Take-Off: 1516 UTC Location: St. Croix

Landing: 2238 UTC Location: St. Croix

Number of Eye Penetrations: NA

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind

D. Mission Briefing:

deep convection limited to mainly 1-2, 5-6 S-N

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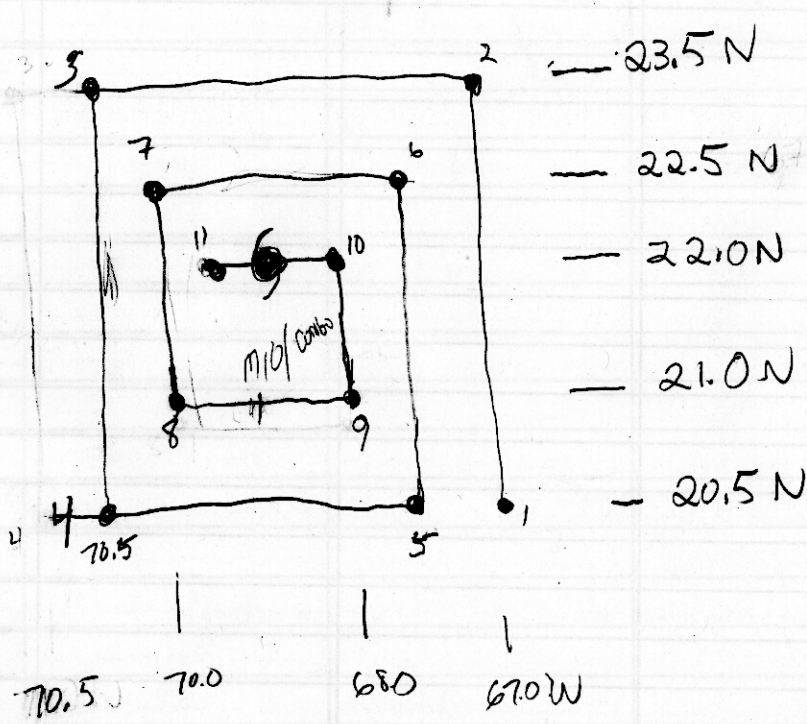
E. — Equipment Status (Up ↑, Down ↓, Not Available N/A, Not Used O)

Single PRF
PRF 2100

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs / Expendables / Printouts
Radar/LF				
Doppler Radar/TA				
Cloud Physics				
Data System				
GPS sondes				
AXBT/AXCP				
Ozone instrument				
Workstation				
Cameras				

REMARKS:

- 1 20.5 N 67.0 W 1608Z
- 2 23.5 N 67.0 W
- 3 23.5 N 71.0 W
- 4 20.5 N 71.0 W
- 5 20.5 N 67.5 W
- 6 22.5 N 67.5 W
- 7 22.5 N 70.0 W
- 8 21.0 N 70.0 W
- 9 21.0 N 68.0 W
- 10 22.0 N 68.0 W
22.0 N 69.5 W



10 = 2056
11 = 2118

All pts BF-sonde Combo
except missed pt 5 (no visual for ship traffic)