0409	24	Lead Project Scientist
Prefl	ight	Jeanne M. Black
1/	1.	Participate in general mission briefing.
V	2.	Determine specific mission and flight requirements for assigned aircraft.
1	3.	Determine from field program director whether aircraft has operational fix responsibility and discuss with AOC flight director/meteorologist unless briefed otherwise by field program director.
	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.
V	5.	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.
-	6.	Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami).
	7.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
U	7.	Make sure each HRD flight crew members have life vests
V.	7.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
Nont	8.	Collect "mess" fee (\$2.00) from all on-board HRD flight crew members.
In-F	light	
In-F	light 1.	Confirm from AOC flight director that satellite data link is operative (information).
In-F		Confirm from AOC flight director that satellite data link is operative (information). Confirm camera mode of operation.
In-F	1.	A DESCRIPTION OF THE PROPERTY
In-F	1.	Confirm camera mode of operation.
In-Fi	1. 2. 3.	Confirm camera mode of operation. Confirm data recording rate.
	1. 2. 3. 4.	Confirm camera mode of operation. Confirm data recording rate. Complete Lead Project Scientist Form. Check in with the flight director to make sure the mission is going as planned (i.e. turns are
	1. 2. 3. 4. 5.	Confirm camera mode of operation. Confirm data recording rate. Complete Lead Project Scientist Form. 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). Debrief scientific crew.
	1. 2. 3. 4. 5. flight	Confirm camera mode of operation. Confirm data recording rate. Complete Lead Project Scientist Form. 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). Debrief scientific crew. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
	1. 2. 3. 4. 5. flight	Confirm camera mode of operation. Confirm data recording rate. Complete Lead Project Scientist Form. 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). Debrief scientific crew. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.]
	1. 2. 3. 4. 5. flight 1. 2.	Confirm data recording rate. Complete Lead Project Scientist Form. 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). Debrief scientific crew. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.] Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
	1. 2. 3. 4. 5. flight 1. 2. 3.	Confirm data recording rate. Complete Lead Project Scientist Form. 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). Debrief scientific crew. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.] Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms. Obtain a copy of the radar DAT tapes. Turn in with completed forms.
	1. 2. 3. 4. 5. 4. 3. 4. 5. 6.	Confirm data recording rate. Complete Lead Project Scientist Form. 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). Debrief scientific crew. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.] Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms. Obtain a copy of the radar DAT tapes. Turn in with completed forms.
	1. 2. 3. 4. 5. 6. 7.	Confirm data recording rate. Complete Lead Project Scientist Form. 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). Debrief scientific crew. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.] Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms. Obtain a copy of the all VHS videos form aircraft cameras (3-4 approx.). Turn in with completed forms. Obtain a copy of CD with all flight data. Turn in with completed forms.
	1. 2. 3. 4. 5. 6. 7. 8.	Confirm data recording rate. Complete Lead Project Scientist Form. 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). Debrief scientific crew. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.] Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms. Obtain a copy of the all VHS videos form aircraft cameras (3-4 approx.). Turn in with completed forms. Obtain a copy of CD with all flight data. Turn in with completed forms. Determine next mission status, if any, and brief crews as necessary.
	1. 2. 3. 4. 5. 6. 7.	Confirm data recording rate. Complete Lead Project Scientist Form. 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). Debrief scientific crew. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the AOC flight director.] Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms. Obtain a copy of the all VHS videos form aircraft cameras (3-4 approx.). Turn in with completed forms. Obtain a copy of CD with all flight data. Turn in with completed forms.

11 DM 262 FIX 72,4 FIX

Lead Project Scientist Check List

27-75

Date 9-24-04 Aircraft N42 Flight ID 040924 14

A. Participants:

HR	D	AOC		
Function	Participant	Function	Participant	
Lead Project Scientist	M. Black/	Flight Director	Paul Flaherty	
Radar	Paul Chang	Pilots Trev	inedy. Nelson	
The state of the state of	M. Black		The state of the s	
Workstation	none	Navigator	Pete Stegal	
Cloud Physics	noone	Systems Enginee	er Wade	
Photographer/Observer		Data Technician	Jean memilla	
/Guests	M. Black		2 2100 1 090,1190	
Dropwindsonde	the open	Electronics Tech	nician	
AXBT/AXCP	m, Black	Other Jac	k Parrich	

B. Take-off and Landing Locations:

Take-Off: 1523 Location: Mac Dil

Landing: 0057 Location: MacDrl

Number of Eye Penetrations: _____

C. Past and Forecast Storm Locations: 24/092 26,1 71,6 969 wb

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
24/18	26,1	73.1	Peppel Carrielle area	85 KK
25/06	26,2	75.4	Fire Street	90 KH
25/18	26.6	77.6	of the Charlesparts according	95kt
26/06	27,1	79.5	les (1 aus la viesa e maria)	100 KH
27/06	3000	81.5	artes en la company	80 / n/m

D. Mission Briefing: 7 KFt radar, IP at 9/22 AXBT drop location, 26.9,74.0, coordinated Fag 4 w/43 starting at 75 ml NH - 9-5E-NE-SW. 75 mm:
legs. BT drops (see Fig.) at ID, 75 mm out, mid point, tuner edge of eyewall. All Rts with sorders, eyewall BT/sondes also with sono proys
Sordes, eyewall BT/sondes also with sono proys
After Rig. 4-racetrosts (eyewall) for Ocean words form

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

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
Radar/LF	. V	V		
Doppler Radar/TA	V			
Cloud Physics				
Data System				
GPS sondes	V			
AXBT/AXCR	V			
Workstation	-			
Videography	V	V		

REMARKS	0
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Latitude (?)

Longitude (°)

Lead Project Scientist Event Log

Date 9/24/04 Flight 040924H LPS M, Blact/
Pero/Chang

709 709 714 2635 72815 73129 73220	Florst Eye 150 Concentric Inner 2 and open 5 Pescend Interfere BT + sonde B+ x sond + Sond 600	5 mile diar to 7 kft to re from 26.9 74.0 outsideale	E on LF radge for isomile diamed n looks weaker 1) P 42 reday - magat 160 27,800 45 m mil
709 714 2635	Concentric Inner 2 and open S Percend Interfere BT + sonde B+ x sonde Sond 600	to 7 kft the Promise Promise Promise Promise Promise Days	n looks weaker 1) P 42 reday - mag at 160 27,800 45 m mil
709 714 2635	Concentric Inner 2 and open S Percend Interfere BT + sonde B+ x sonde Sond 600	to 7 kft the Promise Promise Promise Promise Promise Days	n looks weaker 1) P 42 reday - mag at 160 27,800 45 m mil
714	and open S Percend Interfere BT + sonde B+ x sonde Sond 600	5 mile diar to 7 kft to re from 26.9 74.0 outsideale	n looks weaker 1) IP 42 radar - mag at 160 27,800 45 m mil
714	percend Interfere BT+Sonde B++Sonde Sond 600	To 7 kft to	1) P 42 rador - mag at 160 27,800 45 m mil
714	Descend Interfere BT+Sonde B++Sonde B++Sonde Sond 600	To 7 kft to ree from: 26.9 74.0 Outsideaper	27,800 45m mil
714	Interfere BT+Sorde B+ x sorde Sour 600	De From 26.9 74.0 Outside ajec	27,800 45m mil
714 2635 72815 73129 73220	BT+Sorde B+ x sorde Sour 600	26.9 74.0 Outside aje	27,800 45m mil
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Lead Project Scientist Event Log

Date 9/24/04 Flight _____ LPS_____

	Time	Event	Position	Comments	
	185057	Sanoboass	26.0973	530 Stumal	
	145306	Sonda	Suo well	38 m/s same	
	185357	BT 25,	92 73.61	30 m/s Owlsto	C'
	185840	BT + Sonde	25,627	2.72 50 mles out	1
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TAS	190530	BTLSond	re 25,25	75.790-27.5	3
	191105	Turn to	North bac	to eye	
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5	1947	eye	26,24	7325	
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IST	2017 12	50 miles h	orth 27,500		
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	202829		execual !	40 m/s	
ene	203521		3,6 9631		
	204203		15+ eyeren	1	
+ sonle	204757	26,4072	670 30 m	les eastorege	9
	2051	Reverse M	ourse head	l to eye from eas	

Lead Project Scientist Event Log

Date 9-24-01 Flight LPS______

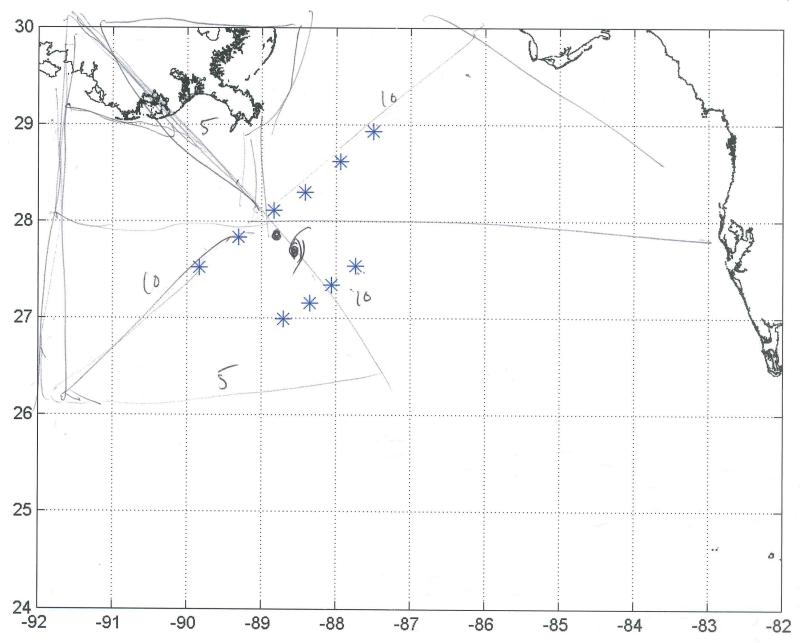
	Time	Event	Position	Comments	
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	2311	western	Eyeur		
	2312	Sorde			
	2320	Kadar VI			

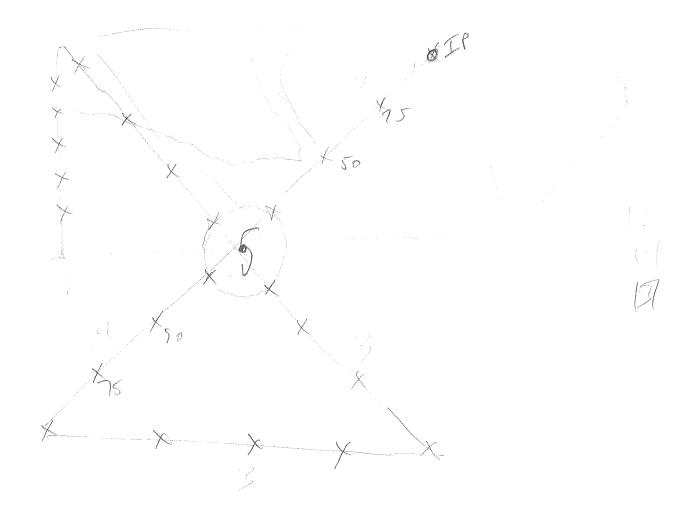


Lead Project Scientist Event Log

Date 9/24/04 Flight 04092414 LPS My 18/22

Time	Event	Position	Comments
233/19	100m) west 87	26,44 76,02	
	150m) mg/ 8	T 26,43 76	5 150 mles west
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Texas Tech University Stick-Net Deployment Report

Deployment Information

Storm name: Gustav Report date: 8/31/2008 Report time: 23:15 UTC



ID	Latitude	Longitude	Start Date and Time (UTC)	Deployment Location	Comments
0213A	30.0887	92.0039	31Aug2008 12:25	New road - Construction Zone	In construction zone S of Savoy road. Open exposure N through S, some obstructions SW through NW. Compass heading 140. Elevation probably near 25 feet.
0214B	30.0386	92.2143	31Aug2008 13:50	Along side of Ben Fredrick Road	North side of Ben Fredrick Road. Deployment site has sugar cane fields around it. Some trees in the distance (200-300 yards) WNW. A small plant well to the ESE along the road. Compass heading 45. Elevation probably 20 feet.
0215A	30.0296	92.1348	31Aug2008 16:35	On top of landfill	On top of landfill north of Abbeville just west of US 167. Wide open every direction, with topographic speed up possible from several directions. There are some dirt mounds to the NE in relatively close proximity. Compass heading 350. Elevation is at least 50+ feet.
0216B	30.1618	92.1990	31Aug2008 18:10	Open Subdivision	Placed in Country Lake Subdivision. There are no houses in this subdivision with open fields in many directions. Exposure is good from each direction. House and trees located to the south at approximately 500 yards. Compass heading 210. Elevation is approximately 23 feet.

0045	00 4 706				
0217A	30.1788	92.3578	31Aug2008	LSU Rice Ag	Deployed in middle of fielded area, wide open in every
	-		22:55	Center - East of	direction, a few buildings in the distance towards the WSW
				SR 13	at 300 yards. Estimated elevation is 23 feet. Compass
					orientation = 200.
0218B	30.0519	92.2419	31Aug2008	Field Entrance	Placed at field entrance about 100 feet east of SR 700.
			20:57		Surrounded by sugar cane in every direction. Compass
			u , v		heading 150. Elevation is approximately 16 feet.
0219A	-99	-99	-99	-99	- 99
0220B	30.0505	92.0540	31Aug2008	Road Intersection	Northeast corner of intersection of Perkins and Ranch Roads.
			13:15	21000011011	Between Youngsville and Abbeville. Open exposure
			10,10		throughout, but sugar cane in the E through W, except down
					the road. Compass heading 310. Elevation probably near
					~17 feet.
0221A	29.8963	91.8944	31Aug2008	Avery Island	On Avery Island southwest of the lake. Wide open exposure
022171	27.0703	71.0744	15:00	Avery Island	
	- 1		13.00		from NW through NE. Trees to the east are approximately
					150 yards away. Trees are even closer trees to the south and
					southwest so these directions are compromised. Compass
0222D	20.0704	00.1670	214 2000	DT	heading 90. Elevation is approximately 45 feet.
0222B	30.0794	92.1672	31Aug2008	Next to school	Placed east of sports complex attached to the school, and
			17:15		north of LA 699. The deployment is north of Abbeville.
					Good open exposure from all directions except house located
					SSE. Distance to school is estimated at 400-500 yards.
			1		Compass heading 160. Elevation is approximately 16 feet.
0223A	30.0064	92.3415	31Aug2008	Next to HWY 14	Placed on S. side of HWY 14, approximately 2 miles west of
			22:20		Kaplan. Open exposure each direction, but houses and trees
					periodically in the distance at ~300+ yards. Compass
			CETTE TO		heading 300. Elevation is approximately 13 feet.
0224B	-99	-99	-99	-99	-99

Please note: Latitude and Longitude coordinates are preliminary and are subject to further qualification upon system retrieval.

Once the systems are successfully retrieved and all data are acquired, preliminary summary statistics will be distributed.

From Peter.Dodge@noaa.gov

Sent Monday, September 1, 2008 0:17 am

To Eric.Uhlhorn@noaa.gov, Paul.Leighton@noaa.gov, Frank.Marks@noaa.gov

Cc Sim.Aberson@noaa.gov, John.Gamache@noaa.gov

Subject Last p3 flight in Gustav.

Eric er al. As far as I know now the UAH team is at Bohulusa Airfield, South of Dlidell 30.81 V and 89.86 W. They are the easternost team. If you all can get oner there (maybe on the way in_ that might ve a good place to do an on oshote flow mofule.

The rest of the teams are from Houma on westward. Tob Foward and Forrest Masters have det up towers at the Houma aiirstrip and the Patterson aiustrip. I do not have the lat and lins vut thet sliuld show up on the flight nav maps. The TTU huts depliyed all over that trfion, as detailed in Jogn Scfrroeders email. TF onshore flow devekops in the New Iveria ot Vermillion Bay area then another onshore floe mofule woild be cool there.

but I do not know what you will have time to vecause of the buoy stuff. Vut if you could start and finish with coastal tuns that could ve hood and might give giid SRA data too. especially atound the Chandeleur Islands.

Part of me wishes I was there, part of mr is glad to be here in Fla. Excuse the many typos. Peter

From "Schroeder, John" <john.schroeder@ttu.edu>

Sent Sunday, August 31, 2008 9:11 pm

To "Schroeder, John" <john.schroeder@ttu.edu>, Peter Dodge <Peter.Dodge@noaa.gov>, Daniel Cecil <cecild@uah.edu>, "Giammanco, Ian" <ian.giammanco@ttu.edu>, Forrest Masters <masters@ce.ufl.edu>, Kevin Knupp <knuppk@uah.edu>, sim aberson <Sim.Aberson@noaa.gov>, John Gamache <John.Gamache@noaa.gov>, Eric Uhlhorn <Eric.Uhlhorn@noaa.gov>, Sylvie Lorsolo <Sylvie.Lorsolo@noaa.gov>, paul leighton <Paul.Leighton@noaa.gov>, Bachir Annane <Bachir.Annane@noaa.gov>, Shirley Murillo <Shirley.Murillo@noaa.gov>, Michael L Black <Michael.Black@noaa.gov>, Mark Powell@noaa.gov>, Frank Marks <Frank.Marks@noaa.gov>

Subject RE: Possible Gustav Landfall Flighy

Attachments Gustav_deploy-2.pdf

43K

The second set of TTU coordinates from Ian's team is attached.

John

From: Schroeder, John

Sent: Sunday, August 31, 2008 6:29 PM

To: Peter Dodge; Daniel Cecil; Giammanco, Ian; Forrest Masters; Kevin Knupp; sim aberson; John Gamache; Eric Uhlhorn; Sylvie Lorsolo; paul leighton; Bachir Annane; Shirley Murillo;

Michael L Black; Mark Powell; Frank Marks Subject: RE: Possible Gustav Landfall Flighy

The coordinates for half of the TTU deployment sites are attached. These are focused between Youngsville to Abbeville to Kaplan to Crowley. One additional deployment was made at Avery Island.

I will need to meet up with Ian's team to forward the other coordinates from the second team, but they are focused on US HWY 90 from Lafayette to Franklin, and on HWY 1 from Donaldsonville to Thibodaux. There area also a few sites scattered just north and south of the Mississippi River just west of New Orleans. One deployment was also made at Weeks Island.

We have deployed about 20 probes, and have about 4 probes left. We may or may not deploy then later tonight.

I'll send the next iteration of coordinates ASAP.

John

From: Peter Dodge [Peter.Dodge@noaa.gov]

Sent: Friday, August 29, 2008 4:49 PM

To: Daniel Cecil; Schroeder, John; Giammanco, Ian; Forrest Masters; Kevin Knupp; sim aberson; John Gamache; Eric Uhlhorn; Sylvie Lorsolo; paul leighton; Bachir Annane; Shirley Murillo;

Michael L Black; Mark Powell; Frank Marks Subject: Possible Gustav Landfall Flighy

As you all ptobably knoe NORR P3s behan round the clock flighys into Gystav. NOAA 42 took off at 4 pm this afternoon and 43 is scheduled to rake off at 4 am. These flighrs will probably continure to landfall. Depending on oprational requirments, they will probablu be able to fo some modules like the tuainband moduls of the SFMR validation mofule, etc. The flight nearest landfall could include passes and dropsonde drops neat your sites...but we have to lnow where you are.

Please let me know...my cell phone is 305 772 0492 and you can call me at any time.. If you have internet access it would be good to send an

email to evryone on this emial. especially Sim Aberson, John Gamache (42 Lps) and Eric Uhlhorn (43 P Lps). John Kaplan will NOY be available for phone calls because he wull doing night duty on the GIV.

Pleadr pass this on to Rob Howard.

Stay safe.

Peter