12 nd

Lead Project Scientist

Stori	m or P	Project Post Gabrielle Experiment name Genesis
Fligh		Mission ID
Prefl		(II relativ
V	1.	Participate in general mission briefing.
/	2.	Determine specific mission and flight requirements for assigned aircraft.
0.	3.	Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility
1/	700	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.
1	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-Fli	ight	
/	1.	Confirm from AOC flight director that satellite data link is operative (information).
J J	2.	Confirm camera mode of operation.
/	3.	Confirm data recording rate.
1	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 f	light	
Post f	1.	Debrief scientific crew.
1	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.
1	4.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.
1	5.	Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.
[Note: al	l data rem	noved from the aircraft by HRD personnel should be cleared with the AOC flight director.]
0	6.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
1	7.	Determine next mission status, if any, and brief crews as necessary.
1	8.	Notify MGOC as to where you can be contacted and arrange for any further coordination required.
J	9.	Prepare written mission summary using Mission Summary form.

Lead Project Scientist Check List

Storm or Project Post Galorielle	Experiment name Geve	515			
Flight ID 130 907 I	Mission ID	insiend .			
A. Participants:					
HRD	AO				
Function Participant	Function	Participant			
Lead Project Scientist Coge(S	Flight Director	Dimiano			
Radar/Workstation J. Z hava.	Pilots	Welson, Sweaney, A			
a principal de la company de l	Navigator	Gallagues			
Cloud Physics	Systems Engineer	Peak, Neeher			
and Mari 2000 of the fact and the property of galaxy and	Data Technician	Newsam			
Dropwindsonde White	Electronics Technician				
AXBT/AXCP ON MON	Other				
Photographer/Observer July group s/Guests					
B. Take-off and Landing Times and Locations: Take-Off: 456 UTC Location: 57 X Landing: 2233 UTC Location: 51 X					
Number of Eye Penetrations: C. Past and Forecast Storm Locations:	te web where the A.C.	(gill-not)			
Date/Time Latitude Lon	gitude MSLP	Maximum Wind			
secretarion of Albertal greatering and the later	man CSDL at 1 a Maritim Manager				
or graning Convers, I to light have girely write no what his iv	sa desir a chietari regia				
term of a drock adult we obtain an left former of	also many selection of the control of the control				
had manufactured to also	Farmer Balleria in the Company				

D. Mission Briefing: Conduct module wission into remnants of Cabrielle.

For aburst puglide around any connection seen. Ply alook contents on mora on a side, at 7000 ft. Drop sondes and BT at corner points of first box, sends only at corner points of subsequent drops. Once done, find location in clear air on the at corner points of subsequent drops. Once done, find location in clear air on the Arope at corner points of subsequent drops. Once done, find location in clear air on the Arope at corner points of subsequent drops. Once done, find location in clear air on the Arope at corner points of subsequent drops to the sonde after rising back, Also conduct sondes and BT at corner of highest box, goode after rising back, Also conduct sondes and BT at corner of highest box, goode after rising back, Also conduct sondes and BT at corner of highest box, goode after rising back, Also conduct

20.5 67.0

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Lead Project Scientist Event Log

Date 9(7/13 Flight ID LPS Rogers

	Time	Event	Position	Comments
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	1552	Pattern	20015'676'	proporma for burst
				module plan
			is to set .	A SE corner of box
			at 20.5 6	1.0, fay 45 nm kg leughing
			as N filest, of	nen W, then 5, then re times
			E; repeat 2 M	re filmes
PS BTSEPT	1604	pattern	20,567.0	beginning of first les of box, GPS, B.T
		- 1		leg of box, GPS, B.T
	160630	0633	on firstles, headen	edio tops up to 16 km
			middle of 192 lea	fy ive track 45 instea
	16/11	pattern	middle of 15 leg	
				of 0, to avoid convecting
1,9T NEPT	1613	pattern	W. Carlotte	tion to track 315
				OPS, BT, 40 launch
				detect, launched zo a
	-1641	065	Ou 4th loon	5 Aupling good MCS, vigorou
			anvertina	
5, BT NWST	1626	pattern		tim to track 225, GPS
, et swpt	1648	obs		turn to truck 135, CP
- 1 /	1648	obs		
		110	14210	1
PS SEPT	164822	pattern	end of 15th Sux	begin 2 to box draps
			P	
	1-			different box
JPS NEAT	1700	parten	end of leg1, box 2	ops, fail, ops
\		2 2 2 2 2		

1604 - 1648 - 604 1 1648 - 1733 - 60x 2 1743 - 1831 - POX 3

Lead Project Scientist Event Log

Date 9/7/13 Flight ID LPS Poyers

	Time	Event	Position	Comments
CRS NW pt	1710	paten	21°30'678	turn to track 225,
				GPS drap
	1716	065	210176713	pateries of weak
			refuns	offleft side of plane
			Can see	surface there
GPS Supt	1722	pollen	20059 67030	turn to track 135, GPS
	1733	pattern		end of Zar bux
GPS SEPT	1743	patten		begn 314 box , 675
012	1749	065	2047 6639	lighture of left
物设	. ~2		0100	Corin
GPS NED	1800	puter	215 66 28	013
GPS SWPT	18.09	pastern	200566727	GPS
GPS SWPT	1822	pattern		GPS.
	1830	oh s	onfinal leg	0104100
SEPT.	1831	pattern	west	to 22.5 70.5 for
Cax.	1836	pattern	store	GPS
695			27,5 70,5	beginning of box pattern
GRS ,BT	1944	Parties	2(1)	CPS BT, Hader 80
GPS,BT	laus	pattern		ten to track 90 ,005, BT
	1951	parten		turn to track O , GHS BT
G45, 67 G85, BT	1953	patken		turn to frack 270, AS B
041121	7000	asten		
	4-000	(lander)		200 box strick (80
	2007	ν () ()		to 1 0
				tak 270, wiss
	2060			70000

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Lead Project Scientist Event Log

Date	9(7/13	Flight ID		LPS	Ruce 3	
Date.		- 1 1 9 1 1 2 -	the straight of the land		100	

Time	Event	Position	Comments
2013	pattern		end the par spaced
T.E. L. SANS			to . 9000 ft
2015	patt		track 180 at 4000 ft
2018			Inde to
7028	pottlem		prok 180, desend to
			2500 ft
2100	parten	22 22 70030	drup failed, brokup
			drop released
2233	lauding		
4.7			
		· · · · · · · · · · · · · · · · · · ·	
		-	
M. Line			
The health		7	
-34-23			

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Mission Summary Storm name YYMMDDA# Aircraft 42RF

Scientific Crew (4 RF)

Lead Project Scientist_

Radar Scientist_

Mission Briefing: (include sketch of proposed flight track or page #)
See prenous
Mission Synopsis: (include plot of actual flight track) Plear anotes of deep convertion st of the LLC. Box pattern under Plear anotes of deep convertion st of the LLC. Box pattern under Plear anotes of deep convertion, echo teps as form lll. Now have Loan near MLC. Convective system tool area of deep convertion, echo teps as form lll. Now have Loan near MLC. Convective system tool area of deep convertion, echo teps as form lll. Now a series of the least sound to the standard standard to the system of the least supple of the least sound to be granted and place of the least supple of the least sound was in all the proposed objectives?) Overall wiss in old next objectives. But a god to patterns, could be useful. Overall wiss in old next objectives. But a god to patterns, of the evaluation in low under sound or track by the roder. Plet profile less successful, by currenteed in low winds were tro week. To get us to strong everythems from in clearait would be taken to be some problems; to long, system is stu in without some summent. Or whether such the strong everyth from in clearait would be taken to long, system is stu in without so summent. Or whether the problems of a strong everyth day of it is displaced our surst under the least sound of the land of the