Lead Project Scientist

Storm	or P	roject JS, Dany Experiment name Tail Danle-
Flight		090828I1 Mission ID WX054 Dany 4
Preflig	ght	PANTO PARTO PA
Dus	1.	Participate in general mission briefing.
This	2.	Determine specific mission and flight requirements for assigned aircraft.
Day.	3.	Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility and the mission designation.
Dus.	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.
De 1		d. Determine equipment status.
They	5.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
De la serie	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.
Buy	7.	Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami.
048	8.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
Mas	9.	Make sure each HRD flight crew member has a life vest.
Slif	10.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
In-Flig	ght	
Olis,	1.	Confirm from AOC flight director that satellite data link is operative (information).
NA	2.	Confirm camera mode of operation.
THE .	3.	Confirm data recording rate.
blus	4.	Complete Lead Project Scientist Form.
6ks	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 fl	ight	
This	1.	Debrief scientific crew.
Ser	2.	Gather completed forms for mission and turn in to data manager at HRD.
2/10	3.	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
DAS	4.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.
My	5.	Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.
	data ren	noved from the aircraft by HRD personnel should be cleared with the AOC flight director.]
Note; all	data ICII	
Wotes all	6.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
Notes all		
Note: all	6.	

Lead Project Scientist Check List

Storm or Project 75, Danny Experiment name 7DW

Flight ID 09082811 Mission ID WX OSA DANNY 4

HRI)	AOC		
Function	Participant	Function	Participant	
Lead Project Scientist	Paul Leighton	Flight Director	I Seers /B. Danie	
Radar/Workstation		Pilots,	B. Chay Chevery /46	
~	P. Leighton	Navigator	sloan Kidde	
Cloud Physics	NA	Systems Engineer	Floyd/Darby	
Photographer/Observer/Guests	Toe Sapp D	Data Technician	B. Peek / J. Sm	
Dropwindsonde	Jun Zheng	Electronics Technici	an Wi bluer	
AXBT/AXCP		Other		

C. Past and Forecast Storm Locations:

Number of Eye Penetrations:

B. Take-off and Landing Times and Locations:

Take-Off: 075215UTC Location: Mrs. Dill

Landing: 124/55UTC Location: Mar Dill

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
9				
	nost establismo das es ma T	out & depails the costs of State	na njegljeni sta 140	
	atal TOA and a consta	o terode immorting Callin so	toppe are acid by correct and	A CONTRACTOR
	THE RESERVE OF THE RESERVE	attent hak , som vistere		
	September 2000 and	os sesso. E any, and brief, o	salar sa sagrenia d	1000

D. Mission Briefing:

Storm or Project 75, Danny	Experiment name 7D W
Flight ID 090828I/	Mission ID WOSA Damy 4

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

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF	1	1	9	1
Doppler Radar/TA	9	1	1	
Cloud Physics	@ N/A	X MA	E TA TOP S	
Data System	7	9	9	e egit
GPS sondes	9	1	4	1
AXBT/AXCP	1	9	1	
Ozone instrument	NA	NA		
Workstation	9	2	1	
Cameras	1	7	1	

REMARKS:

Lead Project Scientist Event Log

Date 090828 Flight ID 090828II LPS P. Legaton

Time	Event	Posi	tion	Comments
075215	Talnoff	27.85	8252	Mac Dill
	Rudle-Klushiteff			
08/000	Roder Startel			
2815 00	ws up		*	AT 1160 160g (2007)
091555	Bt#1	26.41	76,66	28,5
0923 45	B+#2	263/	75.96	28.3
093456	B++3	2616	75,00	28,50
094900	BT#4	25,93	73,74	28,7°
295950	BT#5	25,98		28,4"
100954	Bt 46 combo	26,05	72,23	Dod your to 265
10/600	BT#7		72.72	28.2° turn to N
102000	BT#8	26,09	73,00	28.2° tura to N 28.3°
103/30				torn to W
103219	BT#9 Combo	26,94	73,14	28,3°
103800	BT#/0	26,92	73,59	28,30
10 43 43	37#11	26,92	74,05	28,30
104915	BT#12	26,94	74.53	28.3
105215	BT#13	26,97	74,78	2813°
1056 23	BT#14	27.02	75,12	2811
110000	BT#151	27.07	75,42	2812°
110720	BT# 16/#17	27,15	76,05	missed /BT sum
11 10 30	DT#18	27,18	76.31	28,2" N pros //
	Rad fund off			
24155	landed	27,85	8252	Mac Dill

18 BTS 15 good 2 sondes

Mission Summary Storm name YYMMDDA# Aircraft 4_RF

Scientific Crew (4 RF

Lead Project Scientist _

Radar Scientist

Sonobuoys:

	Boundary-Layer Scientist Workstation Scientist Observers Scap Junass	
That we dill for	Mission Briefing: (include sketch of proposed flight track or page #) South at enerous and malports 20 BT'S Planned 4 Downer analysis plund Mission Synopsis: (include plot of actual flight track)	
	Evaluation: (did the experiment meet the proposed objectives?) NO	
Cerrai	Problems: (list all problems) Tail Rodder boost shotoff value problem on take of any flight to be been and drop Bts Expendables used in mission: GPS sondes: AXBTs: 18	6

CAOS28 Lead Project Scientist Event Log

Date 090828II Flight ID 090828II LPS-P. Ceight Was

Time	Danny 4/ Event	Pos	ition	Com	nents
075215	Takoff	2785	8252	Mac Dil	1/
	Ridder Value				P
08/000	- 1'			tail Roder	bust suto
081560	ws op		dynami)	ş	Many
991555	B+#1	2641	76.66	28:5	3/35/
092345	BT#2	2631	75,96	28,3	
09 34 56	BT#3	26/6	75,00	2815	white of the state
394900	P5T+4	25,53	73.74	28,7	
5959 50	BT#5	25,88	7218	28,4	24119
100954	CONDO OT6	26,05	72,23	Dud	Juny 582
1016 80	BT#7	26,01	7272		timb N
102000	2505 23 67#8	26 69	7300	2813	
103)30	The state of the s	:20 -44		X	nd a
10 32 19	Combo 13149	26,94	73,14	28.3	
10 38 00	DT#10	2692	73,59	28,3	
10 4343	B+#/1	2692	74,05	2813	
104915	BT #12	2694	74,53	28,3	,
105215		26,97	74,78	28,3	
1056 23		27,02		1.85	
10:00:00	BT # 15	2707	7582	2812	101
10170		2715	76 05	misjed	1Bt su
11030	BT #	278	7631	2812	
21000	Rade Amelof	2772	8145		
17 118		0-	Q. 0	4 1 1	1
12 4/35	Lentod	2285	8252	hin del	

Berry Danians Jan Sears AL Grimote Bory Chy Carl Meinen Peny Floyer Paul Darby Chris Sloan Ryan Kidda Peul Light The Zhang Reck Telf Such Bill Chap Tol Sapp

	Mission Summary	
	Storm name	
1	YYMMDDA# Aircraft 4_RF	
d		*
	Scientific Crew (4 RF)	
	Lead Project Scientist Lagran	
1	Radar Scientist Le	hhin
	Cloud Physics Scientist	125/25/
	Dropwindsonde Scientist Zhun	144
	Boundary-Layer Scientist	
	Workstation Scientist Zun	K MOON X
	Observers_	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	16	N 27 - 20 Mg 75 - 7
Mission Briefing	: (include skelet of proposed flight track or page	e #)
	26/8/18	
	100 a D	Cons
from -	11000	-RT
	23456 - 85	-11
	8	
Mission Synopsis	:: (include plot of actual flight track)	
Evaluation: (did i	the experiment meet the proposed objectives?)	
	T with meet the proposed vojectives.)	
Problems:(list all	problems	
2 . o o tomo. (tist att	problems	
Expandables	l in mission.	
Expendables used		
GPS sondes:		
AXBTs:		
Sonobuoys: _		