M, Black

## **Lead Project Scientist**

Storm or Project Deva Experiment name Cold SST					
Flight	ID_	//0722 ± Mission ID //0723			
Prefli	ght				
1	1.	Participate in general mission briefing.			
	2.	Determine specific mission and flight requirements for assigned aircraft.			
4	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-Flig	ght				
	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.			
\ i	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				
	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 Porg Experiment name Mission ID\_//04E Flight ID //0722I A. Participants: AOC HRD **Function Participant Participant Function** Lead Project Scientist Radar/Workstation Cloud Physics Pere Correspata Technician Photographer/Observer /Guests Dropwindsonde AXBT/AXCP B. Take-off and Landing Times and Locations: Take-Off: 1652 UTC Location: San Drego Navy Base Landing: \_\_\_\_\_UTC Location: \_ Number of Eye Penetrations: \_\_\_\_\_ C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	9 ST	Maximum Wind
1780	19,5	109.5	9503	85 MM
197	19.64	109.64		
23/127	21.0	111.3		45
24/00 3	22.0	112,5		
24/12	23,1	113.9		30

D. Mission Briefing: 2 hr Ferry to west of Borgar

Per BT combos thend of storm, Require

4, If 200km north exit west

BT's and Drops, End, moddle, RMH

2

Fest

Storm or Project	Experiment name		
Flight ID	Mission ID		

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	X	VX		
Doppler Radar/TA	X	3 - 67.65 6	THE RESIDENCE	
Cloud Physics	3			
Data System		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
GPS sondes	V			
AXBT/AXCP			A High and the	
Ozone instrument				
Workstation	V		Variable Parkers	
Cameras	0			3-12-13-13-13

**REMARKS:** 

Sat 23 202 21.5 1/2,0



## **Lead Project Scientist Event Log**

Date Flight ID LPS	
--------------------	--

/	Time	Event	Position	Comments
#11	2/3321	East point	-19,94 108:	20
124 26	214306	19,45 18	9,85 Con	yes Mid point be
16 250	0/5330	Eartever	011 19,8	109.55 TORES
13	020153	19 95 11003	FX 18 &	Conde
14 0100	0206 4	7 19.45 11	0.37 Wen	ewall YORTSAN
1 21 -0	221627	1995 111	no mid-	point west
15 211 010	00019	1998 11	75 end po	1 t comba
13 1	26	500	26 84	CERAR
10 1	025475	20.68 114	o Ahedd	OF Track
119	30729	21.21 110	178 Com	los ahead &
#110	20101	VIII II	reo ser	0200
				00
	101122	1 Lan	ling	
				f

## Lead Project Scientist Event Log

Date	Flight ID	LPS-
2	- 1 118-11	

	Time	Event	Position	Comments
	1652	T/0	San Prego	(
	1002	Radors	Harted for	record
	1830-	1900 - Ray	ar up+	down
#1	191230	78	22.94 118.6	First conde/B7
	1914	Radan	back les	0
	1915	SFMP	9 pats 1/2	7
	AX	871 -	230C-	no mixed layer
24°C	193617	AXBT2, Sond	22,0111.8	SFMR-11 Rt
	1925	Radar Ur	0115.	The state of the state of
	2000	Descend	to 5,000 P	
	2006	At 5,00	0 64	
	2007	ATIP	Lyrning +	o South to eye
43	900824	Combo +	23 BT, Sond	c 21,24 109.7
				SFMR 18 m/s
111	2009	LF rese	+ - 2010	Back Up
# 4	202042	Combo#43	1. Some 20,5	1097
midpt		SEMK 45	5 Kt- SFC	est 45-50RL
, _	1 202511	131 26		T10 1 60 5
#5nw=	12035 43	Compo K	M W nort	SIME GOR
10	0021110	20,16 109	182 37	2700
CTEH 6	203/45	Sonoc only	19.8 109.77	1248 988MP
4/7	Rusi	500th 19,	of on at 311	109.77 26°C
ch t and	204740	18.82 109.77	0 11	50×4-260
Stemed a	205907	18,14 109.7	of forthe	
			8 South	TOMPU
AID	211/23	19.05 108.9	7 240	
All Compo			240	
molownw	nd			