M

Lead Project Scientist

Prefli	ght	
_	1.	Participate in general mission briefing.
	2.	Determine specific mission and flight requirements for assigned aircraft.
	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.
-	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.
	7.	Make sure each HRD flight crew members have life vests
	7.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
	8.	Collect "mess" fee (\$2.00) from all on-board HRD flight crew members.
In-Fli	ght	
-	1.	Confirm from AOC flight director that satellite data link is operative (information).
12.4	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 f	light	
	1.	Debrief scientific crew.
<u> </u>	2.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
-	3.	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.]
	4.	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
	5.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.
	6.	Obtain a copy of the all VHS videos form aircraft cameras (3-4 approx.). Turn in with completed forms.
	7.	Obtain a copy of CD with all flight data. Turn in with completed forms.
	8.	Determine next mission status, if any, and brief crews as necessary.
	9.	Notify MGOC as to where you can be contacted and arrange for any further coordination required.
-	10.	Prepare written mission summary using Mission Summary form (due to Field Program Director a week after the flight).

Lead Project Scientist Check List

Storm or Project Date 7/16/	Senes S S_Aircraft_	Experime Flig	ent name /FEX/ tht ID	17CSP 16I	
A. Participants:					
	HRD		AOC		
Function	Particip	ant Function	n	Participant	
Lead Project Scient	11000	Flight D Pilots /	- 1 0-11	Mayoraux	
Workstation	JW > 11.5	Navigat	or permi	Dretob	
Cloud Physics -	Thomas Hes	Systems	Engineer To	- Dewle	
Photographer/Obs /Guests Dropwindsonde AXBT/AXCP	carlos trusta	Lapez Lopez Lopez Lopez Other	chnician aics Technician	mon Son Souci	
Number of Eye Penetrations: C. Past and Forecast Storm Locations:					
Date/Time	Latitude	Longitude	MSLP	Maximum Wind	
				-	
D. Mission Briefing: /4,000 ft D. annord pattern centured on 7.5 N 89 W 30 sondes 10 AXBTS ee attached map. May try a convective over Modile. 700 450 297, 51					

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

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds /Expendables/ Printouts
Radar/LF	N			
Doppler Radar/TA	Y	4		
Cloud Physics	/	T.		
Data System	7	+0		2/=2331
GPS sondes	1	James Company		
AXBT/AXCP				LANGE C
Ozone instrument	-	Joseph Co.		Marriage T
Workstation				
Videography		many also		No to the last

REMARKS:

Lead Project Scientist Event Log

Date 7/16/05 Flight 0507/61 LPS M Black

	Time	Event	Position	Comments
	0523	Takeoff	Santare	on 14 20 mintes to The
	05454	at IP Dust	leastening v	airsheld
	054527	Drop#1	9,00N 85°W	1 Holg South
	0848	wonds 18	0-1900 200	35/c/c
BTZI	060021	Drop#2 c	108510 201	D 15x15
	063610	Drop#3	5.50 85.0 W	0 LOD 130 11 K/S
MEDM	06740	Turn to NE	southers we	DINT CONTRACTOR
MEDM	06 40	Coordinate w	BRZ- CM Shor	tat 6N to men at 8 N
	065559	1100 9 61/a	2 85,60 WA	1941200
,	0700	Dans F AR	NI Chew a	DA RIPL Queston - Cont
	Olobo	13rop 5	ctathly	100 25 Rts
	071038	Continuous	i land	180 0 N =
12	071729	DOP# 6	8,2888	13 170 715
	0717	FR2-08	9 84 ARS	never seen before
W.	97101	ent ound of		
	0727	Drop#7	8,9 86.6	8 102° 8 Ktc
Tr	0730-	0732 -01	nd speeds to	dir land on screen
600	07334	Propts	0,0870	W SEWIND LDON
13/1/2	073913	PropEB	BT-28	2 25 m MCD
	0747	D. West a	und??	
	075/36	Drop #9	1	10 115° 13 Kts
	0/15320	ERD 12	nm) to wes	
	07025	Drop Eld		SE 12 PG
12T43	081922	13 rop to	7,8°C 40m	25 W buynd 5ths
The state of the s	983809	Wrop 12	21,8° 40m	112 60N 890W
		0 0011	1	
		0 167 5	17	37.6m/3 -8175
	85	0 181 Wi	7 22	5/1.5 2649NB
	~ Atl	197 40	Sfc	2647NB

Lead Project Scientist Event Log

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

	Time	Event	Position	Comments	
	111110 101 110 100		10.000	V	
	957418	1 No.10 13	6 89.2	Jude west + and to part	
	0049	7 9 of 49	704 1000	red wed + add to east	
2800	08000	1 1 0 cm	7.80 NI gh	1(1)	
30 m	091517		0 25 90	DXILTAL	
MLD	099245	000015	8.7 9010	21 ILINIU CON CO	
	Vote	ER2 to	do an extr	or couper	
(9933	Norther	1 + Winds	3	
BTHY O	93253	Drop #16	100NG	iow	
0	995009	Drop 17	80 910 W	use I am lot	0
Def e	100054	ER2 OV	shood 7.6	910	
13/	101018	Drop 18	6,8 91,0	2950 7 Kt	
ŕ	102426	Drop 19 6	91410	t. 11011 000	
11	10350/	Chinge in	mack ago	10110180	
6 12	Loe"	have bee	n blyma	the files,	
	104140	Prop 19	70900	ty-Ny W. 10	
1 JOS	PALII-	10 VI Rd	den Per	7	
201	1057	Brop 20	8, 4 8	95	
	1108	120021	8, 8 87-	31 West Wi	ind
	110	Drop 21B	8, 9, 8,	2 W NW trel	
Je!	1112	Words ne	ray eglin		
	1113	wsw w	inel 12th		
•	1117	tree bads	5 north	Svert A	
-	100750	Prop 9.	4 89° N		GK
	1128	9 1 1 1 8 8	Maria de la companya della companya	outer	
	11430		0 - 10/11	pack for cough	
	2 000	2459-5,0	1 159	10°N88°W	
	d 80 <	184 804	Nob +	o San Jose La System Paux	
	201	252 912	Mart	ly System Han	
	SPE				