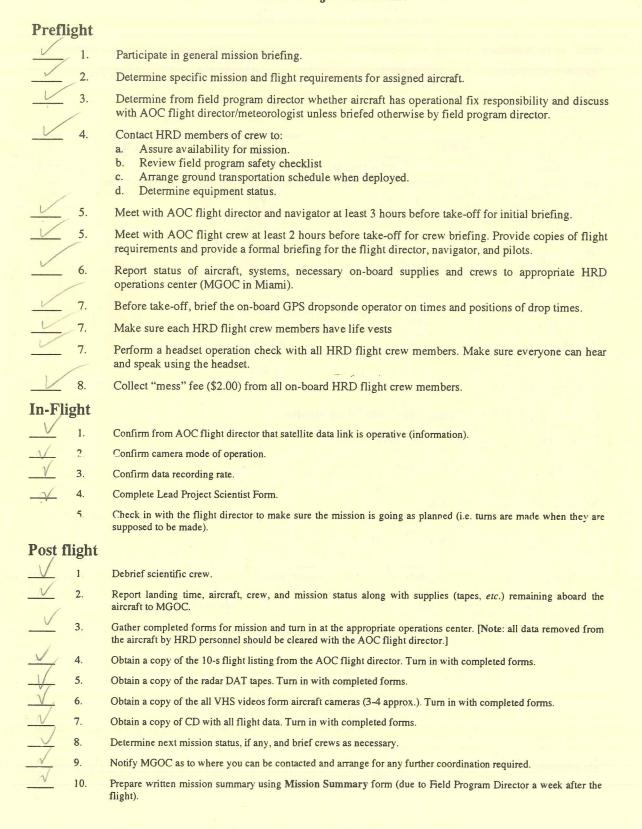
Rogers

#### Lead Project Scientist



#### Lead Project Scientist Check List

A. Participants:					
	HRD			AO	
Function	Particip	pant	Function		Participan
Lead Project Scien	ntist Rogers		Flight Directo	r	Flakerty
Radar	Leighto	N	Pilots		Kennely (Chay
Workstation	Mirido/6		Navigator		Kennedy (Choy Crallagher
Cloud Physics	7 507 7 507		Systems Engi	neer	0.00
Photographer/Obs/ /Guests	erver Monthswere No	Can Searcy Lin NA	NWData Technici	an	Mc Millan, Hill,
Dropwindsonde	Merillo		Electronics To		-
AXBT/AXCP	Vh ( hom		Other		
	anding Times and	12			
Take-Off: Landing: Number of Eye Pen	UTC Location: _ UTC Location: _	MROC	· · · · · · · · · · · · · · · · · · ·		
Take-Off:  Landing:  Number of Eye Pen	UTC Location: UTC Location: netrations:	MROC  ns: -	· · · · · · · · · · · · · · · · · · ·	MSLP	Maximun Wind
Take-Off:anding:  Jumber of Eye Pen  C. Past and Foreca	UTC Location: UTC Location: _ netrations: ast Storm Locatio	MROC  ns: -		MSLP	
Take-Off: Landing: Number of Eye Pen C. Past and Foreca	UTC Location: UTC Location: _ netrations: ast Storm Locatio	MROC  ns: -		MSLP	
Cake-Off:  Landing:  Number of Eye Pen  C. Past and Foreca	UTC Location: UTC Location: _ netrations: ast Storm Locatio	MROC  ns: -		MSLP	

D. Mission Briefing:

Doytime follow-on mission to suppertance in the eastern

Pacific. System shows some possible signs of a cyclonic circulation in the

mid-cool low-levels, as identified by drops on previous night's mission. Fly square-spiral

porter n on suspected circulation conter at 14,000 ft. There was not the flare-up of

convection overnight that was noped for, but the drops did reveal at least the

possibility of a circulation. The flight today should reveal that.

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

	Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / Cds
					Expendables/
					Printouts
	Radar/LF				
-	Doppler Radar/TA	1			
	Cloud Physics	0			
	Data System	1			-
	GPS sondes	1			- L
	AXBT/AXCP	1			
	Ozone instrument	1			
	Workstation	1			
	Videography	7	1	= 2	

## **REMARKS:**

# Lead Project Scientist Event Log

Date 7/16/05 Flight 050716H LPS Rogers

	Time	Event	Position	Comments	
	183030	takeoff	MROC	takeoff from MRCC;	
				Convection surrounding airfort	
				along wountain peaks	
	19 0304	Plwinds	9°23′85°59′	FL vives from grath (170°) a long	
	191509	Flobs	9°9′ 86°52′	entering stratiformshield	
	192910	FLwirds	8052' 870 36'	Flurinds turned & SSW, SEE	
	193109	turn	8°518759	turn to 360 track	wrotex
0	193217	drap ( (rombo)	8°56 88 1'	FL 188° 0 20 pt ;557 27,9; 5	2220
	194624	Fluinds	(0° 3′ 88°	FL wirds furning to SE	101
0	194759	drop 2 (combo)	10010' 88° 2'	PL 190°@ Z3 bt; 55T 2815,156. 2	287@10¥
	195746	rador	10 45 88 32	live of law rain surrounding a/c.	curvodue
3	195904	draf 3	10 42 88 33'	FL 158 Q 10 kt; sfc. 236 0 let in go	ches,
	201218	turn			wy ist
	201246	prop 4(could)	1129 8923	FL 115° @ 10 \$ 56.90° 000 40 00	riverde
	201644	st winds	1130 8938	Ef windy 25-30 kts, Asserting en	18.4
	202400	Fluinds	11 50 90 13	Strong updraft, & 8 m/s approft	How
	202930	tum	11°29′90°39′	turn to track 225	
3	203001	drop 5 (combo)	1125' 90040	FL about 75@ 5H; ft, 12206 555 T-	gno87
£.	203500	rader	11 13 90 56	NW-SE oriented line of strong sto	MS
-2				alread	
6	704253	drop 6	10 44 91 20	FL 1402kt; sfc. 270014kt; 507	27.8
* 1	2055 13	tom		torn to 226, new track-ow	
-				10 to the west fromforet on	i outer
				Octagon	
(7)	205547	drop 7 (combo)		F1 130 @ 2kt; St. 251017 H.	
	210156	Fl minds	9054 92 24	FL winds very weak	
8	211241	drop 8	9° 26' 9 2° 58'	Morsfe. wirds	

### Lead Project Scientist Event Log

Date 7/16/05 Flight 050716 H LPS Rogers

	Time	Event	Position	Comments
9	212816	And of could	8050 9137	BT didn + layretissee. 218@M/8
60		drop 10	8°10' 91°20'	ste, 234° @ wet
	20408	Plainds	7 59 917	PL winds show a shift ax is
0	215426	drop 11 (coulso)	7°30′ 90°33′	55T 27.3, sfc. 22608 pt.
	220750	PLobs	7° 32′ 89° 35′	under annit deloris
(13)	221130	drap 12 (comba)	7034'89019'	10 BT: sfc 242°@ 1264
(13)	222410	drop 13	9°16' 88'42'	sfc. 283° @ 10kt
0	223558	drap 14	8 54 89 19'	no winds
(1)	225220	drop 15	100 11' 89° 70'	Stc. 257°0 1264
	225323	pottern change	1018 89 20'	changing pattern; no longer
				closing of box but extending
			- further north	n and east, where most of the
			- convection w	as found earlier -
1		box 16		
	230340	FLOSS	11 4 8920	alor whiteout conditions on
				NE edge of ruter box,
				s anvil debris from earlier
			Orme	etim
	230939	turn	1130 8920	turn to 36 track
(6)	23 10 17	drop 16		sfc. 140°@ 17 ft
	23 28 35	FLwird	12°29′88°20′	SE PL vinds
	233640	turn	120418753	turn to 130 track, wead wowe
0	233455	dropin	17 46 8738	sfc. 137 @ 12 bt
	Ii			

# Mission Summary Storm name YYMMDDA# Aircraft 42RF

Scientific Crew (42RF)

Lead Project Scientist Cogers
Radar Scientist Leawton

	Cloud Physics Scientist
	Dropwindsonde Scientist Munito
	Boundary-Layer Scientist Uhllum
	Workstation Scientist Must aleia Hon
	Observers Roymond, Montgomery, Searcy, Mallon, Lin
	Mission Briefing: (include sketch of proposed flight track or page #)
	See previous
	Mission Synopsis: (include plot of actual flight track)
	mission bynopsis. (include prot of detail fight index)
	Evaluation: (did the experiment meet the proposed objectives?)
	Dualitation (list all much long)
	Problems:(list all problems)
	Expendables used in mission:
	GPS sondes:
	GPS sondes : AXBTs :
Sonobuoy	
Donobaoy	