**Lead Project Scientist** 

igni	t ID 4	An GO808 T Mission ID
efli	ght	
<u>_</u> ,	1.	Participate in general mission briefing.
/	_2.	Determine specific mission and flight requirements for assigned aircraft.
_	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.
Fli	ght	
/	ط را.	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.
	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).
st f	light	
	i.	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.
- 1	5.	Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.
te: al	l data re	moved 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.
		나는 이 교통 그는 이 이 이 나는 아이를 하는데

Storm or Project  Flight ID \( \rightarrow \)	15 Javier 808 I	Experiment name  Mission ID	yte/Du
HR	ZD	AO	C
Function	Participant	Function	Participant Participant
Lead Project Scientist Radar/Workstation	Ryan	Flight Director Pilots	Seas
Cloud Physics	····	Navigator Systems Engineer	
Dropwindsonde AXBT/AXCP Photographer/Observer s/Guests	Sellwood	Data Technician  Electronics Technician  Other	
3. Take-off and Landing ake-Off: (436 UTC anding: (27)0 UTC umber of Eye Penetration.  2. Past and Forecast States.	Location: Hadi	ons:	
Date/Time I	Latitude Lor	ngitude MSLP	Maximum

## D. Mission Briefing:

Storm or Project 5 Jule	Experiment name Coyal Duc
Flight ID JOLG O 808 I	_ Mission ID

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

			1	
		1	0	/
-	9	1		
L	5			

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts	
Radar/LF					
Doppler Radar/TA	V		Karaman and a same	. Al	
Cloud Physics					
Data System	V POLCI			100	
GPS sondes		V	31 G (11	15	
AXBT/AXCP		V	1 20082		
Ozone instrument					
Workstation	V				
Cameras Lida	V		2422		

REMARKS (1) Figure 4 though TS Center. AXIST IR Sode Combos Divisazion a end its. Int Broad donvers South Center (3x) Smin. Oheal to Pt 100ml
Odesed 300m offshirt schof 75 Ex
OSMINE 200m of Drop Copote (10kft) "X"
Obsard 100m of P3 head out -> Range test
Osmine 100m of P3 head out -> Range test
Osmine 100m of P3 head back"X" u As
Odesad 100-20m (6) u As head to "Y" 20kme 290dg Note: 7IP/B+ combos Ceditstmidets

State Lear S/8/16

MA

**Lead Project Scientist Event Log** 

Flight ID 20/60808I LPS Cla-

Time	Event	Position	Comments
2500		1 (600 1 1	(BIFE) IR 280
2150	IP/Fg4n1	23°11 44 4/10875	TP for DWLFR
22-1207	Center TS	22°18' 28/109518	IN/BT combetta
22910	SWENDT	21019 41/10027 4211	n 11 Hant
Drop 2	Care "fix"		1002ms 341
227206	SE FIXY	212104/108350"	SFF14 23
231100	Center FX	22°14'07"/193800	Certer
232900	NWEISY	23560241103860	" Nwedgt
Dropt	Cent FX		100) 5M (
	"UASAncher Pt"	2/2705/10598	Courte DIAP y
Com	-s 1550es.	Inflot 10	st comms
DATA.			
Day		*	
00/100			Coyple DR1
004938			11110
		The State of the S	

Note: No 13Ts but, can compare NoTE: BTs faily complety, stoppy IR Drops (use Reg sondoil until BD Compare) Note: Propo ("Center fix") hel 3 Kte 10 Kft + 24 Kto speck

## Mission Summary Storm name YYMMDDA# Aircraft 4\_RF

Scientific Crew (4 RF)
Lead Project Scientist

Radar Scientist\_

Cloud Physics Scientist\_ Dropwindsonde Scientist\_ Boundary-Layer Scientist\_

Workstation Scientist	
Observers (affiliation)	
Mission Briefing: (include sketch of proposed flight track or page #)	
Combo Duc(fy 4) 7	
Mission Briefing: (include sketch of proposed flight track or page #)  Combo Du L (Fy 4) +  Coyok Let / Range MISSION	
Mission Synopsis: (include plot of actual flight track)	
and the second second	
Evaluation: (did the experiment meet the proposed objectives?)  Partial. Fyon 4 for Du  Cas successful. capte launch to min flight with  Successful. Range/commos isse didn't need objectives?)	5
Successful. Range/composise didn't neet objeting	
Problems: (list all problems)  8 DT fa, lives (no successes)  Coyote 10st Compos, reduced conge  (250-60min flight)	
Expendables used in mission:  GPS sondes:  AXBTs:  (STR)	
Sonobuoys:	