Lead Project Scientist

	Prefligh	ht	
	V	1.	Participate in general mission briefing.
	1	2.	Determine specific mission and flight requirements for assigned aircraft.
TASKEY		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	5.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
	5	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	5.	Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami).
	7	7.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop times.
	7	7.	Make sure each HRD flight crew members have life vests
	7	7.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
	8	3.	Collect "mess" fee (\$2.00) from all on-board HRD flight crew members.
	In-Fligh	nt	
	1	1.	Confirm from AOC flight director that satellite data link is operative (information).
	2	2.	Confirm camera mode of operation.
	3	3.	Confirm data recording rate.
	4	1.	Complete Lead Project Scientist Form.
	5	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 flig	ght	
	1		Debrief scientific crew.
	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.	پدا	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	0.	Prepare written mission summary using Mission Summary form (due to Field Program Director a week after the flight).

MAVI APO	4: 47	Aircraft 43 Flight ID 040912I			
Date	Aircraft	Flight ID			
A. Participants:					
	HRD	AOC			
Function	Participant	Function	Participant		
Lead Project Scient	tist Gamache / Dodge	Flight Director	TOM SHEPHERI		
Radar	GAMACHE	Pilots	R. Tebeest H. Italverson		
Workstation	P. Leighton	Navigator	P. Segal, D		
Cloud PhysicsX	consequence or and an experience	Systems Engineer	J. Smith		
Photographer/Obse/Guests	rver	Data Technician	D. San Souc		
Dropwindsonde	Leighton/Dodge	Electronics Technic	cian T. Lynch		
AXBT/AXCP NY	Times: JIM WILSON	Other J. Dana	: Acta Doc Gen		
B. Take-off and La	nding Locations:	T. Kass	inger Ass Secto		
	Mocation: MacDia	-1-	FLIG		
Landing: 1720	I and	The second second	10 5.1		

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
			Service Service Control of the Service Contro	
Contract de la contra		ig and so in the little to the land of the souls	o mand rappy has page 1. Or stee GLOB - but size	
- 10	carrel moni escense	michig - green produc	The All outside concern a middle	
	an 20° 08°	grow La traff about 1.5	Ontario o o de ratio	

D. Mission Briefing: Tasked Mission for NHC to get SFMR winds. Butterfly pattern designed to optimize SRA data in RFQuadrant, 3 dpop sequences on inbound eyevall, I drop out bound eyevall. Will test UBLOCK songles on 2m inbound 1P 2123 8254 leg.

040912I D GIVAN SEMR MISSION 1016 crossing over CUBA 1028 dese to 8000/ as we appr 7P 1033 \$ at altitude 1841 - two at IP 2504 82084 104246 TS SND #1 SEMR 18 m/s GOOD 17.8 mgs SPCASH 98°31'81012' TS'2 Fox 110929 SND H FORCE STOR 34 m/s
1102 Bouncing in outer RB 290 mm from 5
5A-ARGE TOMB SPLASH 31.4 W/S 142:133 KTS in outer wind max 112840 3 sud seg SPMR 48 - I WAS LATE, SFMR (TEAL got 81°30') 113012 ctr mark 18°42' 81°08' 920 mb MAYBE 1132 SE eye wall sonde SFMR 51 (got up to 53 m/s) 1138 Owler Egyewall SFMR 47 M/S TEAL 35 exiting 6 exiting 6 1144 HF sonde BUT 1715 A DUD NLD 1145 sonde SPMR 30 M/S 17.89, 80.54] HF N 55 nmi 1156 TS Soude SE 17.34 80.16 SFMR 17 (Then SFMR winds back up to 20 for ~ 2 min)

04099712

1159 17:17 80:01 twen to head up to the next

1231 19:49 79:13 in strong band NE 125 n m from g and still have 30 m/s SFMR Some discuss about JW reading too low -5 3 (kg w (I Somoche expected) 2-3 g/rg

14'82 78.92 1236 SFMR 17 m/6 142 nmi from 9 turn to heald back for puss # 2

19.81 79.10 123950 NE TS and SEMR 17 m/s

124414 so HF (lote) 6FMR had 44 - but in rain but maybe I got snookered - oh well flt level is 69 KTS. ANYWAY we are loitering volile Joffs boads new software into AVAAS. Then we'll do UBLOCK SG. Lonly 3 available)

1301 Bounda a but in NERB's

1305: 111 KT

18307: 3 UBLOCK SNDS En "outer" wind max 18.97 80.83

1313 expirmer expuall only had 2110 Kt flt level so TS was right about outer being stronger

1315 TS & hunting 1316 CTR ~922 mb entrup 18°49' 81°22' 1323 Outer Eyewall SND 18°36' 81°55'

1323 HF (SEMR 30 W/S) 60 mi SW from eye,

134545 SONDE FOR TSRADIUS SFMR 16 MG 17.99 83.40' 17.4 M/S SPLASH

Note: JS will use REV E soncles on last eyewall porses

135753 twn 17.33 83.59 to track 136

1412: Paul & Jest tried a couple of times to transmit

1415 16°30' 82°25' TURN FOL SON LEG

1418 TS drop 16.66 8232 SEMP 18 M/s
1418 TS drop 16.66 8232 SEMP 18 M/s
1420: 18°59 81°30 PAPAP

144157 HF SND (Snut) 18.26 81.78 SFMR 34

1446 3 drop Seg in outer eye wall (south)
15 these are good drops they cought the maxima

1452 CTR: 18°56' 81038' 922

1455 Ninner exemple but 1 jumped the gun at 100 KT, Alt level went to 113..., maybe 1 hit hax o 145954; Outer Eyewall Broad onen of flt level > 120 ms

1505 45 miles N 76 & SFMR 740, -Pet level > 110 KD

9 040912I E



151047 HF SALL SFAR 33 W/S FUT LUL 82M

1535 21.52 80.70 Turn to track 270.

153814 LAST drep SFMR 22 m/s. Ideolog to go ahead and drop as our track of 270 and FIt level wind dir of 94°, 51 kts might lane winds to winds anyway.

1553 two 21.56, 82.31 76 RTB

LAND & MOSEDILLS

1720 Land at Mar Dill

16:100 - ZZ:00 3 FUAN 12 H 1 Ivan 12, trk 40080> 41340 SI 47700) S2700 AF 14 58800 AF (61201 651602 A? 18:06. 9 cop 1 1755_1815 7, 20:08 72/804 3001 TUAN 12±1 11:00-1720 tran 12. Erh 1118_1138 1130 comp (1316 1304_ 1324 (om)2 9 1452 (pup 3 1440 _ 1500

0409127

1015 we are crossing over C33 m/s Hz Horricane Force
1774/5 TS = TROPICAL
Storm
Force



