	on ID	3405A DAVIAN
Pre-fl	light	
∇	1.	Participate in general mission briefing.
X	2.	Determine specific mission and flight requirements for assigned aircraft.
\square	3.	Determine from AOC flight director/meteorologist whether aircraft has operational fix responsibility and the mission designation.
R	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.
X	5.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing
Q	6.	Meet with AOC flight crew at least 2 hours before take-off for crew briefing. Provide copies flight requirements and provide a formal briefing for the flight director, navigator, and pilots.
\square	7.	Report status of aircraft, systems, necessary on-board supplies and crews to Field Program Dir
∇	8.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drop tin
X	9.	Make sure each HRD flight crew member has a life vest.
Ø	10.	Perform a headset operation check with all HRD flight crew members. Make sure everyone hear and speak using the headset.
In-Fli	ight	
Z	\mathbf{L}_{C}	Confirm from AOC flight director that satellite data link is operative (information).
\mathbb{Z}	2.	Confirm camera mode of operation.
Ø	3.	Confirm data recording rate.
\square	4.	Complete Lead Project Scientist Form.
A	5.	Check in with the flight director to make sure the mission is going as planned (i.e. turns are made when supposed to be made).
Post-	flight	
X	1_{0}	Debrief scientific crew.
\boxtimes	2.	Gather completed forms for mission and turn in to data manager at HRD.
\square	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.
X	5.	Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.
[Note: a	ll 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 to Field Program Director
\square	7.	Determine next mission status, if any, and brief crews as necessary.
V	8.	Notify Field Program Director as to where you can be contacted and arrange for any further coordination required.
\swarrow	9.	Prepare written mission summary using Mission Summary form.

Lead Project Scientist Check List

Storm or Project Dorian

Experiment name TDR

Flight ID 20190902172

Mission ID 3405A Dorian

A. Participants:

Lead Project Scientist Marks Radar X. Zhang Workstation Cloud Physics Dropsonde Sellwood Systems Engineer Clauk/McAlis Dropsonde AXBT/AXCP Observer/Guest Gallayher Constant Dropsonde Gal	Radar X. Zhang Workstation Cloud Physics Dropsonde Sellwood Systems Engineer Clavk/McAliste Dropsonde Data Technician Mascavo AXBT/AXCP Observer/Guest Gallayher Congress Observer/Guest (Abra Way) man Flight Engineer Darby/Tafful	Marks	Flight Director De	
Radar X. ZhangPilotKibbeyi/ROSSIWorkstation9991010Cloud Physics99101010DropsondeSellwoodSystems EngineerClauk/McA/13Dropsonde0000	Radar X. Zhang Workstation Cloud Physics Dropsonde Sellwood Systems Engineer Clavk/McAliste Dropsonde AXBT/AXCP Observer/Guest Gallayher Congress Observer/Guest (Albert Congress) Observer/Guest (Albert Congress) Obse	~ \	- But Pricetor Pa	rrish
WorkstationOPilotAbitbbl / ROSSICloud PhysicsNavigatorVratoDropsondeSellwoodSystems EngineerClauk (McA)13DropsondeData TechnicianMascavo	Workstation Cloud Physics Dropsonde Sellwood Systems Engineer Clavk/McAliste Dropsonde Data Technician Mascavo AXBT/AXCP Observer/Guest Gallayher Congress Observer/Guest / Abra Wary man Flight Engineer Darby/Tafful		Pilot Kilologa	
Dropsonde Sellwood Systems Engineer Clark (McA)13 Dropsonde Data Technician Mascavo	Dropsonde Sellwood Dropsonde AXBT/AXCP – Observer/Guest Gallayher Congress Observer/Guest / Abra Way man Flight Engineer Darby/Tafful		Pilot Abitph	ROSSI
Dropsonde Data Technician MUSCAVO	Dropsonde AXBT/AXCP — Data Technician Mascavo AXBT/AXCP — Electronics Technicians Richards Observer/Guest Gallayher Congress Observer/Guest Abra Way man Flight Engineer Darby/Tafful	10.0	Navigator Ura	to , , ,
Dropsonde Data Technician MUSCAVO	Dropsonde AXBT/AXCP — Data Technician Mascavo AXBT/AXCP — Electronics Technicians Richards Observer/Guest Gallayher Congress Observer/Guest Abra Way man Flight Engineer Darby/Tafful	ood	Systems Engineer	lavk (McAliste
AXBT/AXCP Electronics Technicians Richards Observer/Guest Gallayher Conserver IWRAP Sapp	Observer/Guest Gallayher Congress IWRAP Sapp Observer/Guest Abra War Flight Engineer Darby/Taffuel		Data Technician 🛛 🕅	lascavo
Observer/Guest Gallagher Conserver IWRAP Sapp.	Observer/Guest Gallayher Congress IWRAP Sapp Observer/Guest Abra War Flight Engineer Darby/Taffuel		Electronics Technician	s Richarde
		ayber Course	IWRAP Sa	PP.
Observer/Guest / Abra Kan Pinan Flight Engineer Dorby Mathe		a very man	H Flight Engineer Do	riby Marthal
Take-Off: 2003 UTC Location: <u>Lakeland</u>				
(ayher Congress ayher Congress a Warry man	Pilot AbAbb Navigator Ura- Systems Engineer C Data Technician N Electronics Technician IWRAP Sa TWRAP Sa Flight Engineer Do g Times and Locations: Location: <u>Lakelund</u>

Number of Eye Penetrations: _____

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
1				
1				
1				
1				
1	1			

D. Mission Briefing:

Potential IWRAF Jegs Alle end

Storm or Project Dovian Experiment name TDR Mission ID 3405 A Dorian Flight ID 2019090242

E. - Equipment Status (Up U, Down D, Not Available N/A, Not Used O)

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF	/	5		1 [
Doppler Radar/TA	V	5	V	5 analys
Cloud Physics	V	V	1	1 - 1
Data System	N/	V	1	
GPS sondes	1/	V	V	25/1600+
AXBT/AXCP		ſ		
Ozone instrument		ſ	-	
Workstation		-	~	
Cameras	/	1	-	

REMARKS:

executed rotated Fig. 4 then retained to 5 semicircle pattern at 45 nm from 6 ending 14 of 5. Inbound 5 and then exit FK 290 to 6

Lead Project Scientist Event

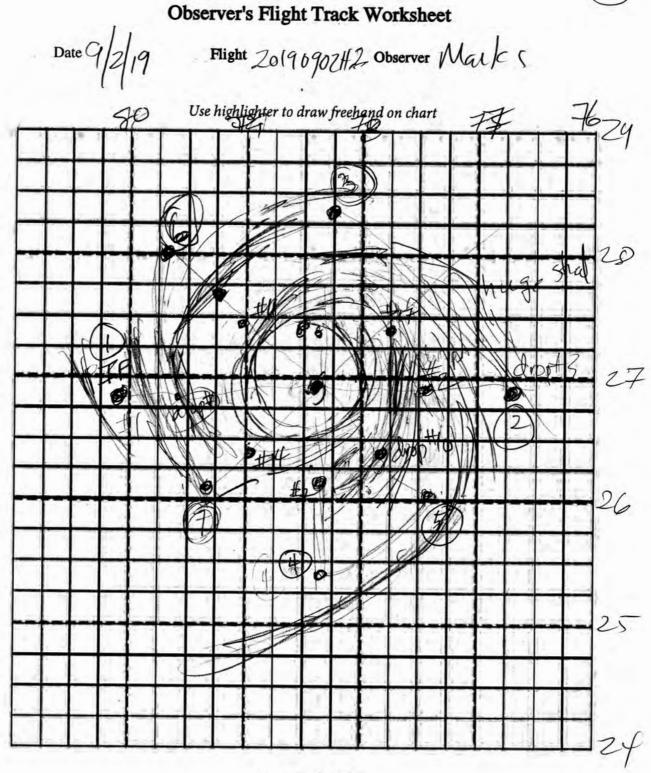
Flight ID 20190902H2LPS Marts Date 0/2/19 Time Event Position Comments 2003 Ld Kel D 8000' Dressure 26.8 8012 20.34 09040 FW 6 26.8 79.6 ro alle 710013 26.85 78.39 ONM Or un 211645 21,50 26. 78,25 21 53 35 28.31 180 Brott drop# 3 75,25 POINT 220750 wid RMW drop #1 121655 78.4 extrap 943mb nodrop 221952 78.4 78.9 drop#7 223250 mid 24.13 010y# 811 25215 24 600#

Lead Project Scientist Event

Date 9/2/19

Flight ID 20190902#2LPS Marks

Time	Event	Position	Comments
30151	midpt	26.4 77.8	drop#10
	C	TK 315	
2315	6)	26.86 78:39	extrep 943 mb
-			0
2328	midpt.	27,45 79,05	drop#11
224	\overline{n}	an Ja I	l'antin
2339	6	18 TIT	drop=12
000717	A	26,2 79,3	19(100 10)
000590		TRAVE	Suntered eq to
001050	midpoint	261 78.93	0 FOR #14
	Mine Parint	401 101	ally my
002025	6	71.85 78.37	Fdroptis .
0-00		946 16	NE legenal verya
003245	mid pt	27.4. 77.75	drop #16 fast fall
		¥.	drop#17
004356	(8)	27.9 77.15	drop#18 TKR
	6		
010919	9	26.85 78,45	TK 135
011951	Brarc IP	26.35 7.7.9	semicire le al fon
onist	ave II	26:53 1.7.1	drop#19
0125			Quap#Zo IN.
0129			drop+21 7t
0132			drop#22
01363		1	alrop#23
014026			drop#29
014415	, end of an	L 26.7= Fait	(drop #25 T;
61-6	6)	1	TK290 toLake
r	aluba	nt	IN 270 tolake
6210			
0251	1 Lowel		



Longitude (*)

Latitude (°)

Mission Summary

2019090242

Scientific Crew (42RF) Lead Project Scientist Mark (Radar Scientist X. Zhang Cloud Physics Scientist Dropwindsonde Scientist Boundary-Layer Scientist Workstation Scientist Observers (affiliation) Sapp (NESDIS)

Mission Briefing: (include sketch of proposed flight track or page #)

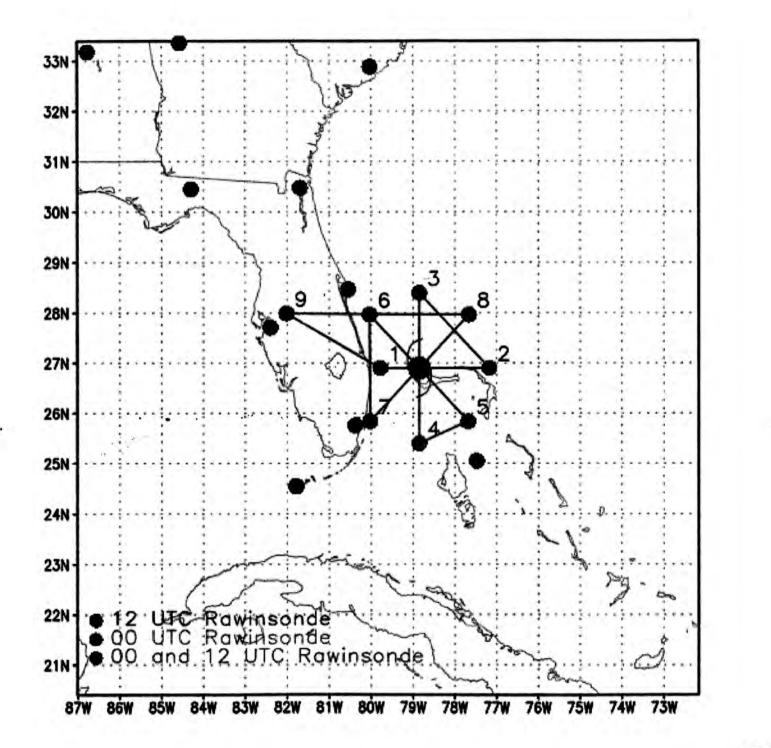
Mission Synopsis: (include plot of actual flight track)

Evaluation: (did the experiment meet the proposed objectives?)

Problems:(list all problems)

Expendables used in mission:

Deployed Good ¹ Bad GPS sondes : AXBTs : Sonobuoys: UAVs



1

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