Lead Project Scientist

Storm	or P	roject IRMA (ALII) Experiment type TOR
Flight	ID_	20170904 H2 Mission ID 0511A
Preflig	ght	
	1.	Participate in general mission briefing.
	2.	Determine specific mission and flight requirements for assigned aircraft from the Field Program Director.
<u></u>	3.	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.
	4.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
45. 4 . 8. 6.	5.	Determine from AOC flight director the mission designation and whether aircraft has operational fix responsibility.
	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 Field Program Director.
	8.	Before take-off, brief the on-board GPS dropsonde operator on times and positions of drops.
	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.
In-Flig	ht	
	1.	Confirm from AOC flight director that satellite data link is operative (information).
	2.	Confirm camera mode of operation
	3.	Confirm data recording rate.
	4.	Request AOC flight director to leave radar in non-sector mode for initial Figure 4.
	5.	Once at IP, request AOC flight director adjust radar tilt to minimize sea clutter.
	6.	Complete Lead Project Scientist Form.
<u> </u>	7.	Check in occasionaly 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 fli	ight	
	1.	Debrief scientific crew.
	2.	Gather completed forms for mission and turn in to data manager at HRD.
~	3.	Obtain a copy of the Dropsonde raw and processed files from the AVAPS operator on thumb drive.
	4.	Obtain a copy of the radar LF files from the radar technician on thumb drive.
	5.	Obtain a copy of the tar'ed radar TA files from the radar scientist on thumb drive.
<u></u>	6.	Obtain a copy of serial flight data and raw NetCDF file on thumb drive from the data technician.
\checkmark	7.	Obtain a copy of SFMR data on thumb drive from the data technician.
\checkmark	8.	Obtain a copy of DMT data on thumb drive from the data technician.
	9.	Report landing time, aircraft, crew, and mission status to the Field Program Director.
	10.	Determine next mission status, if any, and brief crews as necessary.
	11	Prepare written mission summary using Mission Summary form.

Lead Project Scientist Check List

Storm or Project IRMA (ALII)	Experiment name_ TOR
Flight ID 201709 04 H2	Mission ID_6511A
A. Participants:	

HR	D	AOC		
Function	Participant	Function	Participant	
Lead Project Scientist	ZAWISLAK	Flight Director	100 All	
Radar/Workstation	ZHANG	Pilots	BELSON / PARRISH	
		Navigator		
Cloud Physics		Systems Engineer		
		Data Technician		
Dropwindsonde	ZAWISLAK	Electronics Technician		
AXBT/AXCP	DITION	Other		
Photographer/Observer s/Guests				

B. Take-off and Landing Times and Locations:

Take-Off: 2009 UTC Location: BPB (BARBADOS)

Landing: 0321 UTC Location: 8PB (BARBADOS)

SHIPS SHEAR, 122: 3560/6KT

Number of Eye Penetrations: __4__

MOTION: 255 / 12 KT

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
NHC 1800Z	16.71	53.8W	944 ab	105 ET
AF FIX 18362	16.7 16"43" N	54.01 54°1' W	944 00	
ZOOIS SHU	16.7 N	54.4 W	94400	115 KT
	:			
18.10				N.

104 FC 054 121 15 (15 Kg

D. Mission Briefing:

CONDUCT A ROTATED FIG Y IN IRMA, STARTING FROM THE SOUTH, ENDING NW.
PLAN IS FOR LUKEL, ANTHOUGH WE MAY ON SINE POINT ON TO BKPL PA FIRE
DECONFLICTION WI LIDE THAN MISSION, WE'LL DO DROPS OF SILL TURNSOINT (B),
PLUS O'ME EACH CTR (IY). 2 AKBTS TREE LOADED. THAN IS FOR I AT WAYS
(LOADED WI SOUND), PAM PHORNER COMBO CENTER ON THAT INBOUND
ATTHE MUMENT, APPRARS TES HOS OCCURRED (PREVIOUS MISSION) - PROPREME IN VISION
IMPLIERY, WE'LL SEE IS IT COMMITTED.

orm or Project 1844 Experiment name TOR	
Flight ID 20A0104 H2	Mission ID OSU A
E. —Equipment Status (Up † Down N	ot Available N/A Not Used (1)

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF				
Doppler Radar/TA				
Cloud Physics				
Data System				
GPS sondes				
AXBT/AXCP				
Ozone instrument				
Workstation				
Cameras	reg		12 65-12	

REMARKS:

ISJUE WI GETTING STAR UP PRIOR TO TAKEUFF. WORK IT AFTER TAKE OFF.

oga[©]gran serina og antil skala gra

TOR MATTER/ SUVE SHOW, NC der AND V.

Lead Project Scientist Event Log

Date	9/4/17	Flight ID 20170904HZ	LPS ZAWISLAK	
------	--------	----------------------	--------------	--

180°/105 000°/105 045°/105 045°/105 135°/105 315°/105

Time	Event	Position	Comments
20092	TIO BPB		
20182	001300W 70 P		SPAR IS THE DELLE WORKED
			ELINEICETE THAT THE
			SECONDER KIENUT LASA
			INDET DE DOMENDAT YET. INDET ETRUPLE TO THE EAST 13 SAUL PRODUCUS OFER
			CLAVECTUS. BOTH MAR.
			TWO TO THE SOUTH PRO
	·		open sient a marte
			D U P.
	10		NOTER FOR IC IMPORTATIONS
20363	OUTGOING TO 19		SAMELE CONTRACTOR
			KAST (LEST OF SURAD SIDE) KME OF CHEAVED W INVER CUNVECTION SERV EASILER.
21022	NEGRING IA	14°28'/55°29'W	MIN CONCERNS UNDER MEANL
21092	DESCENT TO IP	14 0 43' / 54 0 56'W :	DERFER CANVECTION
			SHELPHEN ? SOME CHOREM
			RNE.
21142	19 2 pnet	140291/540331	SOME DEEP CONVECTION PRIOR
21202	(NSOUND CTZ 180°	15° 181/54 ° 35'	אמשי ויששיים , סעינין אמנים
			TRACES OF INNER BY OVEF
			~ 50 מתר סטר אם לשנוא.
	,		LOOKS CIKE SPINDL BANG IN
			Another outer 40 ami
2140	CTP #1	16°41' /54°351	
			pecent abt the on explan
			Muso Men Bagrether

ZONGE #

S+ ~914°3 ×1 944.3 ×1 130°/101

130 KT FL WHO ON OUTDING TO KNOTH OUT)

HOP LIGHT CAROUN SPAR.
(HIGH PAIN)
742~ ESTROP.

Lead Project Scientist Event Log

Date	 Flight ID	LP	S	

Time	Event	Position	Comments
2562	OUTBOMO TO WIT #2	17° 48' /54° 351	AMMERRY IN WINE FIELD.
			EUIDRICE ON BOOR OF SE
7			DADINA BUR INNER FIE
mercus gratis		4	DECEMBER S BUT NO SECOND
-		,	DEAK SEMR OUT 58 MIS - 116
		•	\$1. 69 M3 ~ 138 km
22052	WP #2 (0209	18*291/37°351	AT WE HE TURNING DOWNWIND
22 11 Z	LOWIER OUNDING		GOING DOWN TO BEST
	•		FIR ANNOANCE OF TEDL.
22212	Ed on or promo	170451/550391	NOT MYCH PERCIA / PRETTY CHEN
22312			GOT JUME PRATTY GOOD BUNGS
22392	we #3 lorg	160 431/560 40'	ON THAT SOUPE.
2300Z			MICELLENGT NON ON M-DEGUL
			40 EMPFACE OF OCICIADE.
			FYEND ~ LOOKT , 18KT LUBOUND
23073	CTR 12	160 41' /54051'	COMPLEY.
2325 2	GUTBOUND TO WATLY	16° 38' /53° 451	OLABOLLO TO EST OF CIR, GOT LIEUXIE PRECE NEZ, MOD.
			TURBULENCE.
	4		Who LITHEMURE SYMMETRIC
			-SSICT STAR BUTBOUND , ~ JGE
,		\$2.00 m	JUST HIT JUME COLLILAR GUER BRUGS.
2333 Z	mr # #	16.401/23081	TRANC DOWNIND TO WA # 5
23542	WF#5/Soune	17°55'/53°52!	INBOUN 2000 045 RMAL
			AF ON THIS FERY LIKE PLEADON
00162			WENT BROWCH CELLUAR BON
4			STHR GUST GZALI BY FLGIS
	· .		GOOD THRUVENCE, SOUT REFLEC. NOT DEED THOUGH
20200	CTR #3	16041/55191	CTR DROP/81

Lead Project Scientist Event Log

T	THE LA ITS	T DC	
Date	Flight ID	LPS	
Date	But 12		

Time	Event	Position	Comments
00372	OUTBOUND 225° TO	15°531/56'11	SO ON PASS HIS WE HAP 126 ET SEMR SECTALBET
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		*	RAINING HEAVY, IN PERETURAL, ALMOST 140 ET FL WIND IN
		,	DEPLOTELY BANKTRIC 578 P
			SO LOOKE SEC, LIYET EL
v ·			GOOD KICKS ON INBOUND.
22200	than at unmand.	15°21' /55°461	SO WE'VE STILL BEEN
0047&	wn 46 /500E.	20 1	Lorking an issue in the Copyware harringe in the
	+		RAPAR SAFAS FINE SONO ANDUSES SENT YET TO SHE
Sa.		1.48 (1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	FLICHT DIRECTOR MORE AWAYS
			דות אוועונה מיייעונים מיייעונים מיייד
01015		15° 24' /55° 17'	TOR BEING RESTARTED
4 6 7			IS MIN DITTLE WENT EN 447
1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			THE DOWNWING POWER
01162	WAY / SONAE	15°26//54°71	CHING INTO HOLD WAILE TTR
01222	OUT OF HOW OF	15°37 1/54°151	TOR UR O CONTO COST THE GTS
		, A	HOW WE ONTO ON 135° TO
01492	CTR +4	16 "40' /56 "30'	
02143	Wa #8 /SUNDE	17.21./20.441	
	on our worthorn		
		·	
#124			
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Pass? INFO

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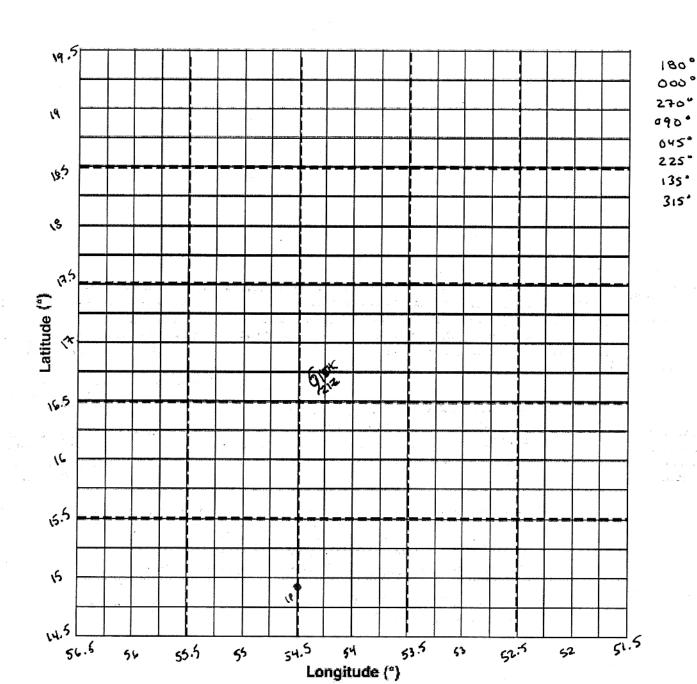
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Serves

Observer's Flight Track Worksheet





Mission Summary Storm name YYMMDDA# Aircraft 42 RF

Scientific Crew (4 RF) Lead Project Scientist ZANISCAK

Dropwindsonde Scientist Zawiscak Boundary-Layer Scientist____

Radar Scientist ZUANG

Cloud Physics Scientist___

Sonobuoys: ____

NHC WORDER

Pass #1

PASS 42

7055 HS

IRMO WENT

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94503

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TO 115KI/COT Y

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STATUN.

Workstation Scientist	· · · · · · · · · · · · · · · · · · ·
Observers (affiliation)	
Mission Briefing: (include sketch of proposed flight track or page #)	
PUN ISFUR A ROTATION FIG. 4 FILT. 10 KFE ! POSTUBLY ORUP	TO 8 KFE
IR THAL IN. DROPS AT TURNPOINTS, EDGE CRETER, SO 12	
ZAXBT. NW ENOPOINT AT WA # 5, FOLLOWED BY CENTER	
Mission Synopsis: (include plot of actual flight track)	
NOT MUCH BLORNE OR CLEAR IN WINDS OF SECURIORA E INTINC EXE	HALL TOUT NAME
A WELL RIG OF OUS ON CE. OTHERWILL THARP GRADIENT IN NEW MYS	WOLL 944 (DROP), HE SF, 138)
STREMENT PRIMARY WROWN, NO REPWONT INNER THE ON LF. HOUSE	ABZ TO
POT ETEMPLE (LEFT OF SHEAR), GOD TURBULENCE - FISHER STM A HOW THAT ERE CUMPLETE, BYE CHEMING UP AGRIN	R PERIS 943 HE BAREK, 944. DST, ~57 NG WAY SOUR
COVERANCE SISMACL, 24 DRY TAKEN OVER, AUMENT 140 OF PC TIME, 120 KT SI	TO AT FLL.
Evaluation: (did the experiment meet the proposed objectives?)	1. 6000 TURBULFACE TOU TO
EMC ANGULES WERE NOT SENT DUE TO	NE NEADLEST PRECIO
ITSUE WI ANTENE IN FUNERAT . TO LEFT METERS	OF THEAT
OBLEONEL 11/15 ZONOKL MENE COM BY	MOOND, PEAK
LEWPOINT SUNDE MUS HOT. 1/2 BT, 1 MB.	AT FLY 140 KT PEAR
Problems:(list all problems)	Expres P
ISTUE WITDE SOFTWARE. TOR JHUT DOWN BT 01013 BRILL REY,	arted for 942.1
tooks like time proposed at the proposed at the states	
- ONE ZONDE! EST ENCHEUSING - 121/4 MY SILTINGE M SIMERY	
Expendables used in mission: Lawrell	
GPS sondes: 12 (4 NHC B HAP) - 1840 / CARTY WONCH,	Fast tou
AXBTs: 2 (16000, 1800)	