Lead Project Scientist

Flight ID

Date 2	019	08	26	HI
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Experiment name

EME (EARLY STOFE / OCEAN WINDS)

Storm or Pr	oject
Mission ID	ALOS/ DORIAN

P

Pre-fi	ight	
	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 Field Program Director.
_	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.
In-Flig	ght	
	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.	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).

Post-flight

] 1.	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.
	5.	Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.
Note	all data ren	noved 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 Field Program Director
	7.	Determine next mission status, if any, and brief crews as necessary.
	8.	Notify Field Program Director as to where you can be contacted and arrange for any further coordination required.
	9.	Prepare written mission summary using Mission Summary form.

Lead Project Scientist Check List

Storm or Project ALOJ/DORIAN

Experiment name EMC (EARLY STAGE / OCEAN WINDS

Flight ID 20190926 H1

Mission ID 0305A

1

A. Participants:

Function	Participant	Function Participant
Lead Project Scientist 2 Radar HAZELTON	PAWISLAK	Flight Director PARRISH / CARPENTER Pilot KAUN
Workstation		Pilot ABITROL/Ross 1
Cloud Physics		Navigator URATO
Dropsonde J.Z HANG		Systems Engineer Sauching / Darsy - FE!
Dropsonde AXBT/AXCP	SAPP) NESPIS OLIANG 2 WILLPS	Data Technician MASCAED (T, RICHARDS Electronics Technicians (ASPEN)
Observer/Guest Observer/Guest	CELENAK)	Flight Engineer

B. Take-off and Landing Times and Locations:

Take-Off: 1958_UTC Location: LAL

Landing: _____UTC Location: STX

Number of Eye Penetrations:

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind	
26/18002	12.5N	58.3	1002	50 #kr	
20/21002	12.7 N	58.8	100 2	50 Kr	
- /					
1					
1					

D. Mission Briefing:

LOUM LILE CONVECTIVE ORGANIZATION UAS INFROMER BANDING ON EDTER SIDE. SALL BURSANG BUT MATRIE SAL P RIF UF THE WITHL PLAN CALL FOR A QUICE 105 MM FIGURE-4, STARSING OUTS (NET THEN DOWN TO SW (225°) THEN DOWN WINT TO 135' (SK) AND WE TE NW (315°). MAY NEED TO THORNEN DUE TO FUE AND NEEDING TO GO TO SIX REATER

ENDROINTY MORDIN, CTR JUNDRES ON F.C. 4 - LIAVE ENDROINTS BE LIGH, TITEN ORD DOWN TO BILL WE FOR MP END W, TITEN ORT BACK UN TO ALTITURE (TILL WI) ON OUT BOUND PREER MP IF WE SHARTEN ENDROINTS ONT NOT BE & MOL Storm or Project ALOS/DORIAN Experiment name ENC (GARLY STAGE/ OCEAN WIND Flight ID 201909264/ Mission ID 0305A

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				
Doppler Radar/TA				
Cloud Physics				
Data System				
GPS sondes				
AXBT/AXCP				
Ozone instrument				
Workstation				
Cameras				

REMARKS:

RADAR IS LOOMING GUSS, RSTNC IS RUNNING

Lead Project Scientist Event

Date 8/26/19 F

Flight ID 2010926H1 LPS Zourson

Time	Event	Position	Comments
1939	TAREOFF UAL		
20802			ADDED 2 SONDER ON FERRY TO MEET ENC NEEDS ONE PAST DOLLAMON AT ~ TOU AND AN ONLINE 23 AUNO
			TOSCIL TO CAPTURE Sume of The UPPER UN
	1		INFLUXENCING THI THINK.
		ALLU PELINE UN	THE FERRY TO SHURSTEN 90 ON LOOP TO ENSURE
		TILDE UK GET THE WINDUL, JEPP	APPOR TO ETIC IN THE
		30 mu, which m	KONS 02303 CADAG
		Some LULL IN CIN	AN ANTHOUG IT MAY BE WE ON IN THE BANDING HAS
		MALLES MAMA WALT AS IT IS SO	E SOME THUT TO TOK
		BY NHEIR	
22093	21 21' 70'25'	4	STILL HEAD, NG TO FTURIE CURDARD TUK BABOMAS
			Arranduting Ba Hoc UPARA
		- 1	BRETTY WELLE CONVECTNE BRETT HOW WIT WRIT UP
			S FOLL O BT OSSGONTLED
	No. of Concession, Street, Str		BUR BANDINK U IMPROVING
2213 Z	SONDE 41 / ALSO COMO	21011/690581	SUNDE ON TRONIT TO
			Hu JODER LOW
			DEFENITELY GOT SAL BELLIUS,
2234 2	SUNDR # 2	20'16'/67 '57'	SONDE AZ (WS MINI) AP HOLDW TROAM
22392	LOT TH SCONNI	NG.	
22462	TH BOCKUP DATE	MARTER PC LOCKED	
2302 2		ucu	OF WRIT SIDE OF PROREM
		A7 54 1	BR THE PROT UNES
			CRUMPTE 90 MM VEGS
		MA POFTO C	over the preap

Lead Project Scientist Event

Date 8/26/19

Flight ID 2019 0926 HI LPS Zawiscak

Time	Event	Position	Comments
23212			Still as the our TRUM
			The IP. MOS TO WRIT JA UN SALL GONG LODKI
			SHUWING UN UN RANDR
			CEMING CLOSE TO BARBAR JS
00182		14=43 / 59 41	SO BREF IS FILLING A BIT NUL
	No. 1	1.	SS PRUS POUR A MINIMA
00052		TEAL Fir: 21/23	1:40 12.98 den / 59-09 des w
			WOULD HANK OTAL JUNE PERUA TO W THRAVE BE UR
			WOULD HAVE HOP TO BU THEA
			SIDE BONDING UN THE NORAL
00402	1P SONDR #3	14 31 /58041	SDAR MACUL ECHO AROUND
			Now theoring in buing Secure those band
		1	ABDA 40M
		1	NCRUT MERT MUCH
	1		WARK CREWANAN
			REBUY NEED THISE HIGHTA
00512	MP SUNOR HU (MINIAZ)	13 "70' / 58"36'	DROOD ING JULF POST A HEAVY ROLL BAND
01012	CTR SOUDE # 5 (MWI #3)	13001/59"71	SU KIND JE HIT THE GRE HEADING INTO LOFS JE PERC
	(100, 2)		W SUTT DE ARATHURM RAW
1.1	12.0.2		SUGGENTS DECOYING BURST
01132	ME JONDE 46 METERNO (MINI 44)	12 271/590421	FINALLY GEOTING OUT OF TOX STROTTFIND RAW TULKS
-27			UNDER ANNL- WOW COMPLETELY GUT OF
			PRECA HEADING TOWARDS EN
01242	SONDE 47	11955 1 60 "161	NOW TURNIA O DOWNWINS

Lead Project Scientist Event

Date 8/20/19

Flight ID 2019092641 LPS Zawwar

Time	Event	Position	Comments
			PREMI MUCH RUMT OUR BARPAON, FIGUNATERS WIN OS NOT TON BAY
			WIN 05 WOI TOS 814
01382		11-351/57919	ACW OD DOWNWING ACCURAT COMPRETA
			BUT MUSTUR OWVIL ABOVE. ORE POWING THESE STROTTORIN ON
			AT 20 - 50 WM
01552	SUNDE 49	11°56'/58"7'	NOW TURNING (NROWN UD 135° ROOM IN TOT CUEDR
			LIGHT ECHU IN ANUL -> BUD SHAWAW G-W.
			A CTR SONDE ON THE BASI WOULD HAVE BEEN LAT TO LUSIE TO I
8206Z	SUNDE 49 (MINI 45) ME ONINESUM OF 135'	12°31' /58°30'	JUST PALST TO GEOMICE BOLL JUNEUS
			ABUT THE OTE , SO NEW
	ND GR		CONVECTIVE GRUCH OF NON FIRE OF CIRCUMPUP - REGUE NORAL OF VA ACTIVITIEN TUTED CHIRCULADON MORE CONNETVER ISANONCTON
			Marce Coloritori Isboarcis M
02272	MP ON OUT ON 318	13 3 9'/ 59 39/	BUST bos an up MAN CONVECTIVE BREA
			PRECA MOSTLA CALLUNA W APVIL AROME
			true to che opin we are
		NEORIJG	EUDPANT, GETTLE ERATES DREI CONVECTUP
		A 40	W SIDE WERE EUDPOINT
0237 Z	SUNDE 411 Et un dur 315	14.4 60-191	MENT AT END OF FIG Y ONVI STANIN FRACIO
	CLORE LIVE SOF		RACE TO GOT BOID OFF THE ARLINE
	•		
	1		
		-	

Mission Summary

Scientific Crew (42RF) Lead Project Scientist Zawijuck Radar Scientist Mazers N Cloud Physics Scientist Dropwindsonde Scientist ZMANG Boundary-Layer Scientist Workstation Scientist Observers (affiliation)

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

THE STORM HAS INTENSIFIED SOME AND THE CONVECTION BUD WIND FIELD APPEARS TO BE BROADENED. CONVECTION CONTINUE TO BURDET, BUT SIDEME CLUEP SHU BE APPENDING M

Mission Synopsis: (include plot of actual flight track)

FUL TILG 4 SINGLE TI GET EBUL QUADRANT AND Z CROSTER & THE STURM. ALVERTIMEN RADIAL LEGS TO GUAND TO MALK SURE WE GET OTTO INTO 00 -037 OA WINDOW ADDED Z SUNDER WE FRENK TO SAMPLE UMPER UN BIN BANDAMAN AT PURAD RUN OT AMANTA AT INDUR. NOW QUADS SAVED SALL GET US A GOID LEDI AT WIND FIRM, AND IT WAS AT INDUR.

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

HIZST PASS HAN ROW SFMR OF SUICE, BUT MORE LIKEN YO KN TE MAY HANK GOMENT TO SO K. POUNT MARE 1002M. BOOD GOT DECENT CONVECTIN ON NORCH /WEST NAME WEARDAND BUT ON SRATHFORM ON TOR SUMD. MAKER SENSE CONSIDERING NIE WEARDAND BUT ON SRATHFORM ON TOR SUMD. MAKER SENSE CONSIDERING NIE WEARDAND BUT ON STRATHFORM ON TOR SUMD. MAKER SENSE CONSIDERING NIE WEARDAND BUT PRODANT STUL THIT, PAOPE ANALLES SUGART THAT PLW Z AND SKY 25-BOM OF T. STRATERAN ON SUM SM Problems: (list all problems) TOOK A LONG THEFT TO GON FUL GU AS TOK AIRPLANTE, THEN AN ISUA

WI THE EDC ON ENGINE STORME, SO WE RE I.S AT LONG TTI. THAT SQUEERED UR DAD TRANSMISSION WINDOW TO ENC. WITCH NOODS TO BE TRANSMITTED BY 03003 TO BE HOST CULLE TO LIFER THU, STORFFIED VECS Expendables used in mission:

	Deployed	Good	Bad	SOME NEW CONVECTUR
GPS sondes :				GRIWNI JUST WSRIL
AVDT				OF BARBANS NO
AXBTs :				of an
Sonobuovs:				

UAVs

* TOUCHEST PART OF DELOY U ENJURING DATA GETS INTO DOZ CICLE BY GETTILL IT OR THE PIRPLANE BY OUSZ. THE STURGENING LEGS TO TO AN WORKED FUR SURE, THOUGH IAN TO GOD TIKE FINDL OUTBURD O RET EARLY IN THE AMAUSI).

FUN LOF LEG AT 02352

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2TM LUST 2279, Back Atten MAMER PC REBOUT.