# **Lead Project Scientist**

Date 8/28/19

Flight ID 20190829 H |

Storm or Project ALOS/ORIAN Experiment name ENC Mission ID 1105 A

Pre-fi	light	A SQUE OF HOSP
	1.	Participate in general mission briefing.
Ħ	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-Fli	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-f	light	
	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 rer	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 ALOS / DORIAN

Experiment name Enc

Flight ID 20190828 H1

Mission ID 1105A

### A. Participants:

Function	Participant	Function Participant		
Lead Project Scientis	t Zawislak	Flight Director PARRISH / CARPENTER Pilot KAHN		
Workstation		Pilot ABITEOL/ROSSI		
Cloud Physics		Navigator URATO		
Dropsonde HAZE	LTON	Systems Engineer		
Dropsonde		Data Technician Mc CON STER / MASCARO		
AXBT/AXCP Observer/Guest	NESOIS I JEVENAU SARP	Electronics Technicians AVARST RICHARDS		
Observer/Guest	ONUNC	Flight Engineer SANCHEZ /DARRY		

### B. Take-off and Landing Times and Locations:

Take-Off:	2005	UTC	Location:	BARBADOS
Tomes Offi				

Landing: 1329 UTC Location: LATELAND

Number of Eye Penetrations:

#### C. Past and Forecast Storm Locations:

	Date/Time	Latitude	Longitude	MSLP	Maxin Wir	
28 / 2100 Z 18.8 N 65.5 W 997 70 DT MWA	28/18002	18.3N	65.0W	997	65 kg	NW A
	28/2100 2	18,81	65,5 W	997	70 pr	NW A
	1					

### D. Mission Briefing:

SIMPLY BUTTERN WITH 90 MM LEGS, UPPPTED IN
THE MURNING TO SON, NW - SE, NE > SW. PLANNING TOKEN
UNLESS DECONFLICTION W/ AIR FORFICE PEGGI RES TOKE, IN WHICH
CASE WEIGH AT GUR OR 12 KPL

NU PUNIT FUR SOTTELLIFE UNDERFLIGHT OR OCEAN WINDS. RHW SUNDER IN QUADRATE PURELY OF REE BOOK TO LAKELAND AFTER COMPLETING THE BATTERN FOR CAC MAY DROP A CULOUR SUNDES NETR NIAD GLIDERS, WHITCH ARE CRECORD TO BE IN OUR PATTERN ON SUTU AND MINUN

Storm or	Project ALOS/OVENAN	Experiment	name	enc
Flight ID	2019082841	Mission ID	ILOZA	

# 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		V		The second
Cloud Physics				
Data System				
GPS sondes				
AXBT/AXCP				
Ozone instrument				
Workstation				
Cameras				

## **REMARKS:**

# Lead Project Scientist Event

Date 8/28/19

Flight ID 20,90928 H1 LPS ZAWISCANC

64000 PT 65.25

Time	Event	Position	Comments
2004 2	TIO FROM BARRI	anas	THE STORM WAS UPGRANTED A HVERICOME AFRICA
			INNER CURE BURSTING  110 5 BREN IMPRESSIVE  AND 14 LOURS LIVE TO  PEUBLOPINO AN EYE.
			COVERACE BEING MORE
			POSSIBLY RADION INTENSIFYE
20402		IN TRANSIT TO STURM	ADDING A SOUDE WERE ITISTU OF ONE TRACK SINCE WATE
		BURNS ON MARCH	GENTER WOOD IS HER THE
		SIDE WHICH MUST BE	TRUCK DON TO THE EAST OF CHERRY
		So mor to much present	Christian
21052			THEND OUT THE GUTTEN SE OF PURROW PICE, WITH DRIP CHAINFARM IS PRESENT CLOSE TO THE IP ( 50 WORKES DUT IN
		STOPH OFFWAR MONTH	Stock is movie her)
	•	NUPSTH, WHER COME	FUL DROP POTTOREN, WE CON FUM OVER PURETO RIW BUT 1
		much the asonny	NIT PEETERNAD.
2130 Z	Soude #1 1P	65.38 W/ A.25N	INBUIND ON 180 TO THE CIR
			PREMY CLEDE OUT OF THE !! MARESON WENT THROUGH SOME OUTER BONDING.
21392	Source #2 mp 180"	17°57' 65°23'	THE MIDDING DRAS WILL BE IN MOSTUM STREATHER BANDING TO
	HAN TO PUH UN SUNA 2	has privingly over unp	THE SOUTH OF THE CENTER
21522	SUNDE DE CTR 1	18°52' / 65°22'	CTR #1
2158/2	פינת אשת אין אים הפינה		MAY WIND SONDE. NO LAUNCH BRIKE
			GOOD BUMPS ON MORNS
22022	JONDE AZ NO (WITH M3)	170331/(50251	SO ON FIRST CELTER POLES
		BISHW AT MY AMIL	9
		A. Books.	PRESTE BIG GRADIENT IN

CLE MI BY BO K EXMOND SEEM 

## **Lead Project Scientist Event**

Date 8/28/19

Flight ID 20190828 HJ LPS Zawiscan

Time	Event	Position	Comments
2213 Z	SONDE THE END OF 300	20°17' /65° 28'	TO NOW GOING DOWNING TO NOW 300' F
			MOSTLY SYNCHW CONDRITUE
			SO THERE IS ANUTUER PRESECTLY PUSCES SONDE
			SUNTE TO GET MERK GUIDE
2233 Z	JUNOS # 17 N FOR 27%	19°37' / 66°52'	TURMING DE LUBOUR OF 300
			SON JUDN ROOM PORSENTATION
			STILL THINK RI IS ONEOING
22452	SOUDE #8 MI ON ZOON POSS	190161 /660101	MEDING TOWARDS PRIMARY
			BOND BUT NUT WELL IN.
22543	SOUDE MY RYWNE	10	
22573	SONDR 410 DHW SU	18.24, 1620541	RHW ON GOTBOURD
2308Z	SONOR #11 M 04 1200	19 31 /64 421	MIRROW + TOST ROSICO
			THIS OWNE OWNER THAT WILL BE
			SHOUD BE ABLE TO SAMPLE
			DEWN THE ROWBOAN BY STAM OUTHOR OUT LEKETHE IT UP
2319 Z	SOUDE #12 600 00	180/11 /64.5	WILL STAY TO EAST OF BAND
			BOWHING OF
2342Z	SOUNE HIS TURE TO	19844 / 64019	OF WALTO THE NEW LIBOURS
	1		PUELSH OF STREMARM
		GOING TO WEED T	o then Home of cor it
		BE CUENT OF THE	
23542	CHIN + 6) OCO	19021 65021	MEDLY, JUST GOT OUT OF THE FOOTENIUM UT AN OUTER DOND.
	SONDE HIS RHW		RAIN WHERE WE SHOWN
	SONDE HIG MI OH OF		NOW OF OF PRACIA ABOUT

GR 13

901 mb 5044

75 m 5044

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BREDUND COMPOSITE

REDUND COMPOSITE

GEO COMPOSITE

SO COMPLETING PATTERN

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## **Mission Summary**

Scientific Crew (42RF)

Radar Scientist ZAWIS CAK
Radar Scientist ZWAWG
Cloud Physics Scientist
Dropwindsonde Scientist
Boundary-Layer Scientist
Workstation Scientist
Observers (affiliation)

A

CP4 992?

Cre #2

995m

EVARON, BUT

DIDN'T HIT OR

WELL 36MG

C12 "3

99100

From THOT

SIK

PEOR ITAL

TO NE SINE

MYBE 75K

AND THOM

THE SIDE EVENALL

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

PUR FOR BUTTLEFUS 90 AMU LEGS BY LOKEL COR LOWER FOR 53M DIECONFLICT)

PANY CAR, MIR, SHO SCHOES. TRY TO GET SUMPRI CLUSE TO GUIDER LUCATIONS TED NO CHARGES LOVER LUCATIONS TO SE GLORR, OCEAN WARD, ENC, NO FOR RESPONSIBILITY

Mission Synopsis: (include plot of actual flight track)

AT SURE LOOKS LIVER THE STORM IS ROMOUS INTERSIFYING EVEN BEFORE WE PROUGH ON STATION, THE INFRE CORE WAS PRESTY SUPPRESTY OF OWER BANDS WERENT PUT INMER EXCURING WAS RELECTED COMEONE PULL THAT OF EXCURING PRESTY BG GRADIEND IN WINDS IN SEGMENT. CENTER OF THE STURM SEEMS TO BE CONSOURDED BY BILL JUTKE BAND WE HAD TO GO THEDUCT AND PRODUCT ON PRODUCT OF THE STURM WE PROPOSED OBJECTIVES?) AWAY FOR P. P. AT BY, DAY E MEET WAS AREE TO OUT ON THOSE CURRENTURE OF THE CONSTRUCT ORIGINAL POLICE.

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LIZ ON CONCORNT DRUPS.

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OR ISLAMD, AND ALSO FORTUTIONS LOCATIONS OF FLIDERS

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OF THE PREOD

AND WIND REG

I) VERY SMALL

NECY HIGH GRAPH

OF AIR FORCE, SO COULD'N

MEET TERRAN CLEARAN U

REQUIREMENT

Expendables used in mission:

Problems:(list all problems)

Deployed

Good

Bad

GPS sondes:

16 (DUS) 7 MINI SUNDES)

AXBTs:

Sonobuoys:

UAVs

DEUTELAN, VILLER CORE PARTIES PARTIES OVER MICHIES FRW MICHIES

PATTHELA CALVE TOCETHON BETTER THAN WE WERE HOTH NG
TEN TENTROM GST 2 DROW NAME GLIORES
AND WELL CREMENTED. GUT GSUS COVERSILE
STORT IS ENTENDIQUED.