Lead Project Scientist

Storm	or P	roject <u>NATE</u>	Experiment type Alpex
Flight	ID _	4-F001-F105	1 Mission ID WOLFA
Preflig	ht		
	1.	Participate in gene	eral mission briefing.
	2.	Determine specifi Director.	c mission and flight requirements for assigned aircraft from the Field Program
· · · · · · · · · · · · · · · · · · ·	3.	b. Review fieldc. Arrange grou	nbers of crew to: bility for mission. program safety checklist nd transportation schedule when deployed. uipment status.
	4.	Meet with AOC fl	ight director and navigator at least 3 hours before take-off for initial briefing.
	5.	Determine from A responsibility.	OC flight director the mission designation and whether aircraft has operational fix
	6.	Meet with AOC fl requirements and p	ight crew at least 2 hours before take-off for crew briefing. Provide copies of flight provide a formal briefing for the flight director, navigator, and pilots.
	7.	Report status of ai	rcraft, systems, necessary on-board supplies and crews to Field Program Director.
	8.	Before take-off, b	rief the on-board GPS dropsonde operator on times and positions of drops.
	9.	Make sure each H	RD flight crew member has a life vest.
	10.	Perform a headset and speak using th	operation check with all HRD flight crew members. Make sure everyone can hear the headset.
In-Flig	ght		
	1.	Confirm from AOC	flight director that satellite data link is operative (information).
	2.	Confirm camera mod	de of operation.
	3.	Confirm data record	ing rate.
	4.	Request AOC flight	director to leave radar in non-sector mode for initial Figure 4.
	5.	Once at IP, request A	AOC flight director adjust radar tilt to minimize sea clutter.
	6.	Complete Lead Proje	ect Scientist Form.
	7.	Check in occasional when they are suppo	y with the flight director to make sure the mission is going as planned (i.e. turns are made sed to be made).
Post fl	ight		
	1.	Debrief scientific cre	ew.
	2.	Gather completed fo	rms 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.
	6.	Obtain a copy of seri	al flight data and raw NetCDF file on thumb drive from the data technician.
\ <u>\</u>	7	Obtain a copy of SF	MR data on thumb drive from the data technician.
	8.	Obtain a copy of DM	IT 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 miss	ion status, if any, and brief crews as necessary.
	11.	Prepare written miss	ion summary using Mission Summary form.
	,	_	

Lead Project Scientist Check List

Flight ID 20171007 H1	Mission ID WPIGA		
A. Participants:			
HRD	AOC		
Function Participant	Function	Participant	
Lead Project Scientist ZAWISLAK	Flight Director	Houses	
Radar/Workstation Holbach	Pilots	K138E4 KOST I	

Mission ID

Experiment name AIPEX

MAIGH

KLOTZ DWL Navigator Systems Engineer Cloud Physics PEEC Data Technician Lynch SECT 000 Electronics Technician Dropwindsonde Other AXBT/AXCP WADLER Photographer/Observer AVAPS : UNDERWOOD s/Guests

B. Take-off and Landing Times and Locations:

Take-Off: <u>0744</u> UTC	Location: LAL	
Landing: <u>1522</u> UTC	Location: LAL	
Number of Eye Penetration	ons: _ 5	7.6

C. Past and Forecast Storm Locations:

Storm or Project NATE

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
	7			

D. Mission Briefing:

ROTATED FIG. 4, BECHNING W/ N-S, THN E-DW, FOLLOWED BY A 2nd FIG. 4, SW DNE, NU > SE. WELL FOWS ON DOING A CONVECTIVE BURST MADULE IF THE OPPORTUNITY PRESENTS ITSELF, ETHER AFTER FIRST FILLY OR AFTER SECOND. WE COULD ALSO HAVE TIME TO DO THE STAR HIGH INCIDENCE ANGLE CIRCLET AT THE END. PUR FOR LUKEL, LIKELT A BIT LOWER IF TEAL OH- STATUTE WE'LL DO ART / SONOE COMBO! AT TURKS, MID), AND SOME CENTERS (COLD GO W/ LHC REQUEST FOR THOSE). GUT 20 PLANES TONOE PTS. 21 BTS IN BURNES. WE'LL BE FLUID AT THE AS BOTTLA PROPOSITIO ON BTS CLULA BR FOLIZED ON WARD NOW FROM PREMIUS PRE-TOOK MODULE,

Storm or Project NATE	Experiment name_Aipex
Flight ID 20171007141	Mission ID WDIGA
E Favinment Status (Un & Down No	t 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:

DID NOT GET POWER TO THE OWL TO START THE FUGHT

Lead Project Scientist Event Log

Flight ID 2017100741 LPS Zawiscak Date 10/7/17

Time	Event	Position	Comments
2744	T/0	\$465 ¥65	STURM, IR HAR CAME WARMAG
			ACTIVITY WY THE BURY NOW
			PRIMARUM TO THE NORTH UF THE CHANTER HOPEFULL IT WILL
			GF PROMO TO THE WEST FRE
819	ENROUTE TO 17	26 45 1/84 251	BUBLANG TO BE SUM A PILE BY FOR OR
			LOOKS LIKE TALL ORGANIZAC THAT
09012	1P	26091 /870101	SONDE INTO SOME CLOND
	IN BOUND 180° N 10 PT		STILL MOST IN SYMMETRIC PRICES CONTRACT IN IMPRE CARE, BUT
0915Z	MOPT ON INBOUN	25,54/82,8,	THERE IS A DEVELOPME RECEASE UPSITAR ON THAT EINE SIDE
			אטיי שי פאורבר הצטחשו איי כום
0926	CTR # 1	240421 /87 21	STORTHE TO CET A LOOK OF
			survived band about your to source of ore.
0935	MIDPOINT WO HZ	24 8 / 87 22	PROPPING STISONOR COMBE IN
			A LOT OF THE PREC P LOOK! USC
			KHW A. LT -> 20 UNC 4 DARGONO
	OUTBOAR TO WP 42		THAT RAIMIN EVELOUE TO SEATH OF OR ASUMA COM BEATAREST
			VERY WAR FITHALL OFFICIAL. WE'LL SEE IR THAT CONVECTIVE POTATES PROCESS.
0951	wp #2	23921/87-211	TURN DOWNWING FOR WE#3
	DOWNWING TO WARD		SO FOR THAT EAST SIDE MASS
1023	wp #3	25"71/85°521	CONVECTIVE BUEFF GENCIALLY TO
	MIDPOINT TOCTRUZ		THIS REGION.
			LESS THAN YORMS COP
			LOUKE LIKE DRUPE WILL SING
1047	CTR H2	250161/870341	CAR 2 30151 NM OR 40-50 AA 618 40-50 AA 618
	OUTBOUR TO WAY		SHORMUUP TO FUNK FIRE WENT IN OUT THE WEE US SUMRTIME - NOT MICH
7.95.00			COMPEUNG AS FAR AS

No DATA SO FOR FROM wer No USEA SEPT SELVE my to kee you like WATE KINEMAN Mond hand regions

'a83

14

BURK IS CONCEDED

GU INPOUND 225" PAO, FUR THEN EVALUATE.

MID POINT OUT 1058 ON 275"

25'15'/99" 27'

50NDF 49 Br #9

Lead Project Scientist Event Log

Flight ID 20171007 41 LPS Zawislak

20 K The Disk wells AN WIND AS Carecan Sharp Excusor & good

Time	Event	Position	Comments
108	wruy	NEH 0. 250131/89 121	THEN DOWNWANT TO WARS
			DOWNWIND WILL BE STURF BLUF ITS FORWARD STIEFT
7.00	DOWNWAND TO WAPE SW		SO NOT MUCH COMPELUTE FOR PURST, HOPING THAT SYMETIM
			THE WHICH WE WOUN FAMPLE
199 4 196			IT ALGO WHEN IT GET TO DE
	**		THOSE OFFE WE RASSES THRUCK
			CAST SINE, LIOSU IT ROTATED
131	UP # 5 TURN IN	Marie Francisco	TURNING INBAIND TO CARES
34	SONNE FOR WINE	240481 /882261	SUST RADIU INWEST OF
142	MIDPOWE INBOUND	25015 / 95071	MISPOINT INBULA 045 MADE A SUCHT JOC TO THE
			MANUA THE BOOK ON OSO
1147	cm 43	25°341/87°561	NO Some/Br comes FOR THIS CR
*	ansour	The two teas was	HERMIT PRECE OF THE EINE SIDE/ ENEN SE
Na da A			CHANGE DIRECTION LOOM
			SE IS DSL
			STULLOURNE AT SETIE
1128	MID OUTBOANS	26091/870351	MODEL OUT ON OUS
205	WE # G	26°24' / 87°151	Then Domining 40.
	DOWNWANTO WE HT		JENSING SOME NEW GROWTH TO STE OF CTP. COULD BE
			THAT MICHT BE MORUE.
229	W0 17	26.401/39.11	REDUL NO PT. SCHTTER
			CLEAR. BUT ACTUME PERSON.
			TRING TO BOUNCE COJERNE AM CHOME INTO CE MOULE.
1241	MIOROW INDUM TO	260151/880401	MIDENT SUM BROKEN DECK BRUNG
25)	CTR 4	25 '54' /880 3'	CIR 4 GUING TO EMERICATE STOCKED THOMAS THE
231			
23)			AT THE MONEY SHERR IS

Lead Project Scientist Event Log

Flight ID 17-100741 LPS ZAWISLAK Date 10/7/17

ETIPM

Time	Event	Position	Comments
1257	" MIDPOIN"	25°31' / 87041	THIS WAS AROUNDED EARLY
			TO CENTUR DROP IN WIND
			SO FOR A LOT OF STRANFORM RAIN, HENY PRECE
		8".	HUT CONVELLION YET
100			SO WE'LL HIT THE TURNPOIL .
			TO HE FOR CIECUES
			THAT SHOULD PAINT MOST
	NEAR WF 43		THE STROTTFURM RAN OUT
	/ · · · · · · · · · · · · · · · · · · ·		NOT EVOLUNG ORCHEN VERY MICH
1310	W# #8	25°6' / 87° 6'	TUREM POWNIUM. Gim TO TREE 2800 NO ST
1320			A LUT. OF STRATE ALL RAID
			DOWNWIND HOT A WIT &
1320	שער נאפטאט 2900		FUR THE "CB" MODULE
1-20			SASSIGNER WAT THE STURM SARED WE'RE REALLY NUT
			RELATION SENTE MAYORS
	e a few scale pay the pay		LITTLE MORE ON THE EAST
1328		NEWSURE LEACTMENT	62 kg wind Just outsing
1329			RADIAL OUTWARD OF
10-1			ECHO TO 12KM 35 dB2
			STAR GOT UP TO BOKE
1332			RATION INWART SOUTE
1776			SAMPLED BURNT KLUNG.
			PAGE STU BANT IT
13376	3 3	26'261/38"11	THE USE ETEMPLE
(33.0		1 2 9.50	VERY DEER CONFINE
13422		2091/890141	DGO" OLIBOUR NOT PANTIK
.5.20			AMMORE ON PHUIL

13452

1406 2: Science Complete

SIDERIC TO PALL

PRECIP

STILL PANT GET CLEARER

+ 13512

3 30 / 5 450

K SLATTERFY TO BROXEN WWW.

Soune ZZ

Mission Summary Storm name YYMMDDA# Aircraft 42RF

Scientific Crew (4 RF)	1
Lead Project Scientist Zawiscak	
Radar Scientist Housech	
Cloud Physics Scientist	
Dropwindsonde Scientist Serves	
Boundary-Layer Scientist Wages	
	ER (EMAS)
Workstation Scientist	
Observers (affiliation)	
DWL: KKOTZ	7
Mission Briefing: (include sketch of proposed flight trace	
RUSH WAT FOR A RUSATED FIELY WE THE AD	ned fire estime a circimian, star
MICH INCIDENCE CIRCLES , MIR CONTROTTE BU	RIT MODELE, ORDA > WILL RE COMBO
W AXBTS AT TURNS AND MIOS, CENTER FUR SOF	YE WE'LL WAPPERE THE FIRST PLLY
PHEN APPRIL THE SULVEY DECOR IF WE SHOULD	DO CO MODULE, WE HAY WAIT IF NOT
BETKR. CIRCURS, IR TIME	
Mission Synopsis: (include plot of actual flight track)	
NATE US A BERUAL ON STATION WAS TO ET W	I treediction of Become more simpleshing
M THE SHEAR ME MULL OF THE PRESER WO) G	OSK AN USC, NEC AS MUCH CYCLUS
MARMARIT (MARGE HA) TO DO WI THE FORWARD ST	RED ?). HIGH WIN BYLLTERN DUR TO
FORWARD MOTION BUT WE DID GET 45 LT AT FR	ANT 75 K SEC TO SUPPORT THE INTENSION
BE THE END OF THE MOINN, A NEW BUILT ORM	EURES WW PSR (SHEAR MIRE WILL)
ANN ROTHER LEAS OF SWEAM.	
Evaluation: (did the experiment meet the proposed object	rtives?)
WE COMPLETED THE FIRST FIG 4, FXINC	
SEME/BY COMBS. IT WAS NOT OBLIOS, FIG	
TO RUMAR THAT KEY, SO WE DO SW - WE	
WHER WE WENT POWWWIN TO NW , THE BU	
FIN TIK CHUTER ON THE 41 BUT CAR AND WEN	
	so with a bunning way and so
ONLY 11 Bis word Exam	TOWARDS INDAVIED RAW NZRO'.
REPORTED BAID AND	ORUNARO ON GRIVER STOR UR ETRUMUL LETT
DUL DID NOT HAVE PUWER	US JUENR W/ CORBO. MEN COMMUNET
PHOUN HARE GAMES FOR MINE.	PRINT EVENDEL TO WE BO WENT
Expendables used in mission:	MW., PULL OUR EXIT TO
GPS sondes : 22	PUSA DEFIER CONTENTY BUT
AXBTS: 21 (11 Gova, 10 BOD) CHIZ BETTER	HORENUS STU PANT IT
Sonobuoys:	me ment our a 30% with bid
	crues For stra
	So avenu, pro Ger 4 12274 Con
	TOR AVALTS ES. RELEXT SPONELING
	USL DIR DIN SPAR CIRCLES
	MEDULE DEADY IN

4514 WIVD

RAIN CONDOMINATION BUET
BUT NHC II OM DID GO TO 800