# **Lead Project Scientist**

		roject NATE Experiment type AIPEX
_		201710 06 H9 Mission ID W816A
Prefli	ght	
	1.	Participate in general mission briefing.
	2.	Determine specific mission and flight requirements for assigned aircraft from the Field Program Director.
	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.
<u>Insuin</u>	4.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
	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.
15-17-70	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-Fli	ght	Paragrapher Observes
	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.
+	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 fl	light	
nengu.	1.	Debrief scientific crew.
- Jestel V	2.	Gather completed forms for mission and turn in to data manager at HRD.
10	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 serial flight data and raw NetCDF file on thumb drive from the data technician.
	7.	Obtain a copy of SFMR data on thumb drive from the data technician.
	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.
4/23/4	10.	Determine next mission status, if any, and brief crews as necessary.
	11.	Prepare written mission summary using Mission Summary form.

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### Lead Project Scientist Check List

Storm or ProjectNATE	Experiment name ALPEX
Flight ID 20171006 H1	Mission ID w816 A
A. Participants:	To the second of

HRI	)	AOC	
Function	Participant	Function	Participant
Lead Project Scientist	ZAWULAK	Flight Director	Houmes
Radar/Workstation	HOLBACH .	Pilots	KIBBEY
A to exquisite of a material to	(George: Gampana)		Ross I
		Navigator	FREEMAN
Cloud Physics	ni a menarah dan ana	Systems Engineer	PEEK / WONGEL
DWL	KL0TZ	Data Technician	LANCH
Dropwindsonde	SELLWOOD	Electronics Technician	India di
AXBT/AXCP	WADLER (RIMAS)	Other	tino "
Photographer/Observer		AVAUS : UNDERWOOD	0
s/Guests			

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

Take-Off:	0759	UTC	Location:	LAL
Landing: _	1616	UTC	Location:	LAL

Number of Eye Penetrations: \_\_\_\_\_\_\_\_

### C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
062 /NHC	16.1 N	84.8 W	999 mb	40 KT
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### D. Mission Briefing:

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THEN ATLERST I FOR SEAR CIRCUSS. IS A VOT ON BOARD TO GET ON.

DECIDE 84 WA H ? AS TO THE FOLLOWISC MODULES.

Storm or ProjectNATE	Experiment name ALPEX
Flight ID 20171006 H1	Mission ID WBIGA NATE

E. —Equipment Status (Up ↑, Down ↓, Not Available N/A, Not Used O)

Equipment	Pre-Flight	In-Flight	Post-Flight # DATs / 0 /Expendal Printouts	
Radar/LF	8	1		
Doppler Radar/TA		7		
Cloud Physics				
Data System		1		
GPS sondes	Tale	at 100 1	\$ 22.80	
AXBT/AXCP		9		
Ozone instrument				
Workstation				
Cameras				

## REMARKS:

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# Lead Project Scientist Event Log

Date 10/06/17 Flight ID 20171006H 1 LPS ZAWISCAK

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## Lead Project Scientist Event Log

Flight ID 20171006HI LPS ZAWISLAK Date 10/6/17

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ON EAST SIPE OF STOR	TFL.
101/93°26' DOT PBL TUNES COMOU	EAST
34 KT WINDS SFMR WA	
1' / 83°23' WON3	
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or Jon A pressor	
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### Lead Project Scientist Event Log

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Date Flight ID LPS	
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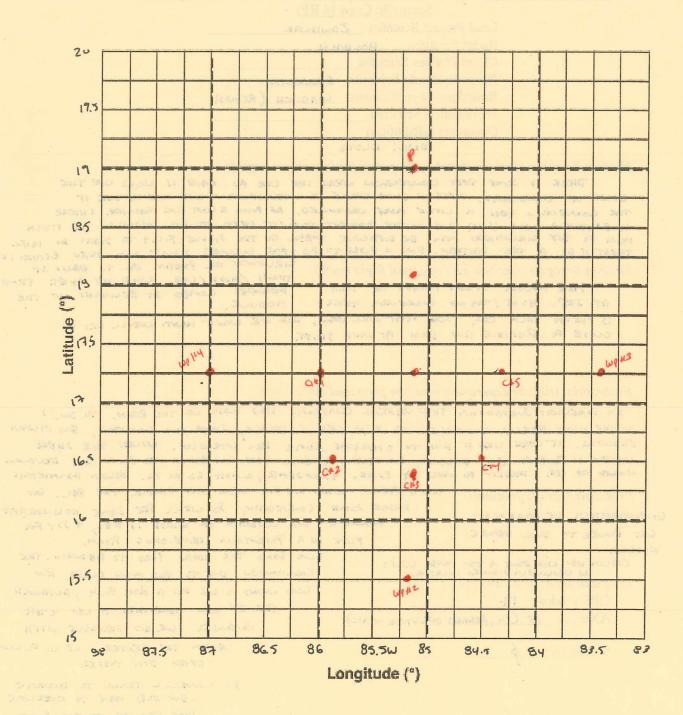
B402 BEGG CIACLES 13432 CREAR MODULE 18°34'/84°6'

BT NOT GOING YET

SOMOE 17

# **Observer's Flight Track Worksheet**

Date 10/6/17 Flight 20131006H1 Observer



# **Mission Summary** Storm name YYMMDDA# Aircraft 42 RF

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Scier	ortific	( rew	(4 RF)
DOLOI	ILLII	CICTY	(TIU)

Lead Project Scientist Zawiscak
Radar Scientist Housach
Cloud Physics Scientist
Dropwindsonde Scientist SELWOOD
Boundary-Layer Scientist WADLER (RSMAS)
Workstation Scientist
Observers (affiliation)
PWL: KLOTZ

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

THERE IS SOME DEEN CONVECTION WERE THE COR AS MATE IS NOW USE THE COAST OF HONOURAS. THERE IS SOME CHANGE OF INTENSIAUTION AND WE'LL SEE IF THE CONNECTION GRIS A LITTLE MORE CREATURED, AF FOUM A CON CIR GIRLIER, SHITCHE IS RELATIVELY WOW (CIVI) AND OF THE MOMENT DOZUNT STEEN TO BE MORCHUL THE FTORM MYCH SO THE CIRCUMNED MAY BE DIFFICULT. WHILL NO THE SINGLE FIC. 4 TO STORT AT TOKEL TREAT IT DS A TOR PATTERN. FAN A PULL TO DO STAR CIRCUMS, 30/45° DAME THEN EITHER THE THE PROVE. STURM MONTO OF THE PROVE. STURM MONTO OF THE PROVE. STURM MONTO OF THE PROVE. COMB LAW. AT 1925. 45 MT 1932 MD CARE OF THE PROVE. COMB LAW. Mission Synopsis: (include plot of actual flight track) TURNS / MIDS / CTR. COMB W/ AT GT. SETR RECUPES COMBO AT BEOWNING UF THE

AT 325°. 45 KT / 999 MD CHERRIL AFRE 15 FIXING THEE CTC, SOW THAT WILL HELD, BUT WE WONT INDIT. CUEILL GET AD CHIE AT RISTIANT AND DROP AT WIND SHIFT.

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

SO SOMEWHAY SURPRINCES THE USSIED QUARRAGE HAD MOST OF THE RAIN. TO SW, S IS THE MOST PRECIP CONFRACE. TO E/N CESS CONFERRE, SOME MIS CONCESSED, BUT MOSTER SHOWOW. IT WAS UKE IT HOS TO OVERLONE SOME DRY INTRIBION, WHILES THE SUBR VELTOR II FLYPRED 180° PROUND, BUT CHATAINUT GOM, DEEL CONVECTION TO SOUTH AND DEVELOR NORTH OF UR, MICHEST FL WARS TO EINE. 45 KM SEMP JALMOST GO KE FL. HICHUR ASSIMETRIS

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W URICUMPLY PLANNES LOCATION Expendables used in mission:

GPS sondes: 17 AXBTS: 15 (14 PERMAPS ONE STUCK IN A/C)

ALTO GOOD TOR OUR HAD TO DEPNOON THE CIELUMNON DUE TO TOO MUCH CLUBY BUT GOSO NEWS O WE DID A ROT. FIG.Y , ALTHOUGH THE 2N WAS AGREENTED TO LET Y THR AWANIEL WE AN STRUCCUE WITH

> GETTING THE CENTER. LF U. FLWIND. OFTEN JUST MISSED.

> > PU CUMUECTUS TRAINL TO CONTINE BUT DOE, HAVE TO OVER WHE SUME DRY AR TO THE EAST