Lead Project Scientist

Storm or	r Project ALY9 Experiment name GENESIS (NHC IN	v∈s
Flight ID	D ZOIGOBZBIL Mission ID NOAA3 OFEED INVEST	
Preflight		
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 responsibil and the mission designation.	ity
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 fligrequirements and provide a formal briefing for the flight director, navigator, and pilots.	ght
7.	Report status of aircraft, systems, necessary on-board supplies and crews to MGOC in Miami.	
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 he and speak using the headset. 	ear
In-Flight	t en	
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 supposed to be made).	are
Post fligh	ht	
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	ta removed 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 aircraft to MGOC.	the
7.	Determine next mission status, if any, and brief crews as necessary.	
8.	Notify MGOC 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 I	Project_AL99	Experimen	t name_	GENESIS	(NHC INVEST)
Flight ID _	2016 082811	Mission ID_	NOAB	05 EEA	INVEST

A. Participants:

HRD		AOC		
Function	Participant	Function	Participant	
Lead Project Scientist	Zawislak	Flight Director	SEARS / WILLIAMS	
Radar/Workstation	ANNANE	_ Pilots	KERNS /ABITOL	
		Navigator	GALLAGHER	
Cloud Physics		Systems Engineer	LYNCH	
		Data Technician	MASCARO	
Dropwindsonde	ZANISLAK	Electronics Technician		
AXBT/AXCP		Other		
Photographer/Observer s/Guests				

B. Take-off and Landing Times and Locations:

Take-Off:	1703	_UTC	Location: _	MACDILL	
Landing:	0038	_UTC	Location:	MAC DILL	

Number of Eye Penetrations: _____

C. Past and Forecast Storm Locations:

ASCAT PASS E CLEAR LOW-LEVEL CIRCULATION. V NHC FORECAST POSITION

Date/Time	Latitude	Longitude	MSLP	Maximum Wind	
28 /02512	23.2	- 79.5	N/A	N/A	
28/18002	24.0	-81.9	NA	N/A	280/6
28/19452	23.8	- 81.8			
28 /21422	23.5	-81.9	1009	AGE (LEND HELVA	

D. Mission Briefing:

INITIALLY NHC TASKED INVEST MISSION TO CLOSE OFF ANY COWNLEVEL CROUPTION ASSOCIATED W/ ALGO. FL WILL BE 1500 FT. TIME PERMITING AFTER RELEASE FROM NHC, 2 OPTIONS, AND/OR, IF PRECID, THEN FIC. Y AT 10 KET, ALSO IF NO PRECID, OR TIME PERMITING, CLUMB TO AS LICH AS POSSIBLE FOR LAUNMANIER GOS WEST OF WAVE TROUGH TO SAMPLE SHEAR AND ORY AIR.

SHANZ (SHIDS, Od): 18 KT / 3310

Storm or Project	AL99	Experiment name	GENESIS	(NUC INVEST)
Flight ID 2016082	2811	Mission ID_NOAA	3 OSEEA	INVEST	

E. —Equipment Status (Up \uparrow , Down \downarrow , Not Available N/A, Not Used O)

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF	1	1.		
Doppler Radar/TA	†	1		
Cloud Physics	MEST			
Data System	1	1		
GPS sondes	1	T		
AXBT/AXCP	N/A	N/A		
Ozone instrument	N/A	N/A		
Workstation	1	1		
Cameras	1	1		

REMARKS:

Lead Project Scientist Event Log

Date 20160 928 I1 Flight ID LPS ZAWISGE

Time	Event	Position	Comments
17032	T/0		
1750Z	IP/DELTA	2503'50"/82"56'9"	IP FIRST OF EU/E LEG
1832 7	PT 2/DEUTA	250005/80 24 52	PT 2, TURN SW DWINERS CTR
18422			CONVECTION EAST OF CTE, EURN OVER CTR, SSICET
1900Z	Center a Musico West	230 54'30 / 31" 59'0"	WEAR FOST PAS, LICHT NE WINDS
1917 Z	PT 3 / DEUTA	23"26' 25" / 82" 58' 0"	TURNUE EAST ALONG CURA ADIZE
1934 Z	PT4/DELTA		ECHO TOPS ~10 km TA TO
	4	23"3("57/81"471	THEN HEIN TOWARD CTR, LIGHT WEST
	PT3		GUEN RETURNS IN TA TO
19422	CTR	230 551 / 810 31	SOUTHERET SEASTRELY, NOW WEST
19522	TURN AT PTS/DECTO	24021 /820 81	GOING TOWARDS SW FOR CIR PAIR
	CTR	230441 /819421	MANEUVIEING TO CENTER
20102	Pro/peuro	230 34' / 810 71	TURH NORTH TO SOMPLE WIND
20232	PT 7/DECTA	240 251/9,0 91	NEW BOCK FOR NE -> SW PASS
2039Z	CAR	23 43 / 81 47	HEU CENES
2055 &	PT & 10EUSP	230271 / 820121	NEWED TO GODT
21172		23°57' / 81° 49'	DECISION TO MAKE ANOTHER NE-SW
21322		240/820	INSTEM NW TO SE
2140 %	CTR	270 361/810 11	COR - NW TI SE CONVERCE
2150 Z			Conv Ent in Se Quad whith
21285			COMING ABOUT FOR THE POST
22132			HEROING TOWARD, PRESCH COV.
22542	Some 1	· Z4 N/84W	LE 61 → WEST - EPET
23062	Somor 2	241 /83W	LEGI - WES - FORT
2316 2	Source 3	24N/82W	LEG L - WEST - EAST
2328	SONOR 4	25 N / 82W	LEG Z- EDST -WEST

END UF NHC TOOKING ~2230Z 1500 F

1000 FT

100 ffl Vinds

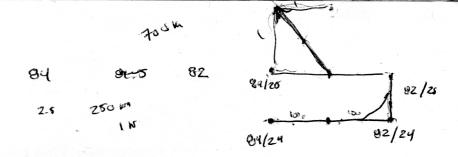
737/04

BELOW

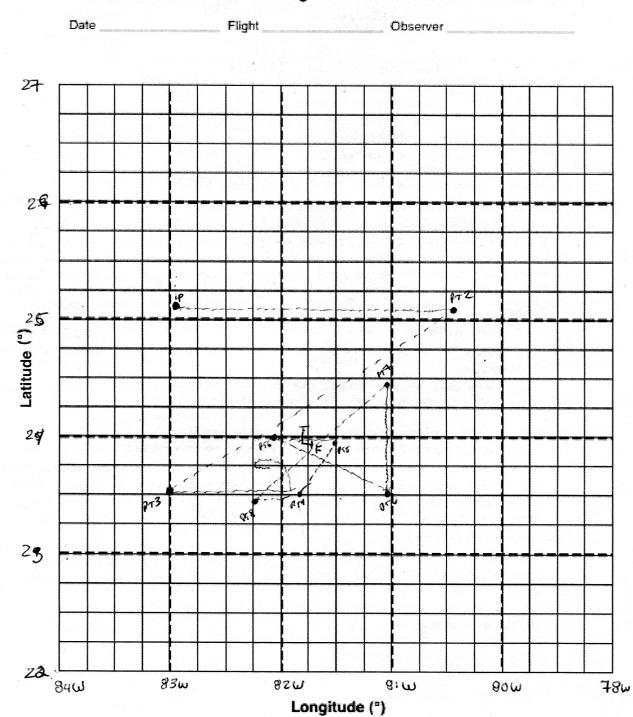
Lead Project Scientist Event Log

Date	Flight ID	201092811	LPS	ZAWISCAIC
Daic	I ngut ID.	2016 00 -0		CITOUI JC 17

Time	Event	Position	Comments
2338	SUMDE 5	25 N / 83W	LEG 2 - ENT TO WE'Y
2348	Source 6	25~/840	LEC 2 - EDY TO WELL
2359	SONOE 7	26~/89w	LEG 7- WEST TO East
0010	SOMOR &	20 H/85W	USG 3- WEST TO EAST
	<u> </u>		



Observer's Flight Track Worksheet



Mission Summary Storm name

YYMMDDA# Aircraft 43RF

160828

Sonobuoys: ____

Scientific	Crew ((4 RF)
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Lead Project Scientist Zawskak
Radar Scientist ANNAUE
Cloud Physics Scientist
Dropwindsonde Scientist Zawiscak
Boundary-Layer Scientist
Workstation Scientist
Observers (affiliation)
Mission Briefing: (include sketch of proposed flight track or page #)
THIS WAS INMACLY AN NIC TASKED INVEST MURAN NTO ALGO
A SERIES OF PASSES AT ~1000-1500 PT CLOSED THE CENTER AND PROJED A ZIT FIX OF NOW TOO IN THE FURNIS STRAITS ONCE RELEASED FROM TASKING DUTIES, WE WENT TO A LIGHER ALTHOUT AND DID A LAWNHOUSE SURVEY OF THE ENVIRONMENT TO THE WEST OF TOO. THIS WAST TO SAMPLE BOTH THE
Mission Synopsis: (include plot of actual flight track) DRY AIR ALL SHEAR PROFILE
8 ORUGIOVER 25 Ensi-WEST ORIENTED LEGS WERE EXCLUSED WI DRIAS
AT TURNS AND MIDDLE POINTS. WE GOT ONE DRUP JUST WIRTH OF THE CENTER.
HUMINITY WAS DECENT THROUGH THE TROPOSONERS TO SOUND, THEN ORI ABOVE MUCH CREATER DEATH OF DRI DR FARTHER WEST:
Evaluation: (did the experiment meet the proposed objectives?)
THE NHC TASKED PORTON WAS SUCCESSFUL IN THAT WE CLOSED THE
CIRCULATION, OUR PORTION WILL A BONDS AS WE PIP NOT KNOW HOW
MULLI TIME WE WOUN HAVE WE DECEMBER PLANKED A FIG. 4 THEN
LAWMOWER, BUT THE TICK Y WAS ABOUNDED PUT TO TIME AND GIVEN HOW MICH
Problems:(list all problems)
NO HAJOR PRODUCTS. POWER WAS LOST ON THE ALC ON UNDING SWITCHOVER, WHICH MENUS DATA TECH DID NOT GET DAM OFF ARPLINE, WILL HAVE TO DO THAT LATER.
Expendables used in mission:
GPS sondes: 8
AXBTs:
Sonobuovs: