Lead Project Scientist

Storm o	r Pr	oject_	FRANKLIN	Experiment type TDR
Flight I	D	7708	08H1	Mission ID 6207A
Prefligh	t		· · · · · · · · · · · · · · · · · · ·	1945년 1842년 1947년 12일 대한 1941년 1942년 1942년 1942년 1942년 1
1		Particip	oate in general mission	briefing.
2		Determ	ine specific mission	and flight requirements for assigned aircraft from the Field Program
		Directo		
3		Contact	t HRD members of cre	ew to:
		a. As	ssure availability for m eview field program sa	nission.
		c. A	rrange ground transpor	rtation schedule when deployed.
		d. De	etermine equipment sta	atus.
	1.			or and navigator at least 3 hours before take-off for initial briefing.
		respons	sibility.	director the mission designation and whether aircraft has operational fi
	5. _{7 H} .	Meet w	vith AOC flight crew a ements and provide a fo	at least 2 hours before take-off for crew briefing. Provide copies of flig- ormal briefing for the flight director, navigator, and pilots.
: 4 % () - 4	7	Report	status of aircraft, syste	ems, necessary on-board supplies and crews to Field Program Director.
. jezik j	8.	Before	take-off, brief the on-	board GPS dropsonde operator on times and positions of drops.
	9		TEST OF TEST OF	crew member has a life vest.
	10.			check with all HRD flight crew members. Make sure everyone can he
	10.	and spe	eak using the headset.	
In-Flig	ht	4		
_	1.	Confirm	m from AOC flight direct	or that satellite data link is operative (information).
	2.		m camera mode of operati	
1,500	2. 3.		m data recording rate.	22.00
				leave radar in non-sector mode for initial Figure 4.
	4.			director adjust radar tilt to minimize sea clutter.
	5.		ete Lead Project Scientist	
200	6, ⊹, t., -			flight director to make sure the mission is going as planned (i.e. turns are m
	7.	when t	hey are supposed to be m	nade).
Post fli	aht	, it is	ors reado	
		D.L.	f allowific approx	
	1.		of scientific crew.	ssion and turn in to data manager at HRD.
	2.	Gather	completed forms for mis	e raw and processed files from the AVAPS operator on thumb drive.
	3			iles from the radar technician on thumb drive.
	4.2.			
~	5.			
	6.			ata and raw NetCDF file on thumb drive from the data technician.
	7.			n thumb drive from the data technician.
V	8.			thumb drive from the data technician.
	9.	_		rew, and mission status to the Field Program Director.
				if any, and brief crews as necessary.
<u> </u>	11.	Prepar	e written mission summa	ary using Mission Summary form.
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Lip in the Company and Company in the Company in

Lead Project Scientist Check List

Storm or Project FRANKLIN	Experiment nameTOR
Flight ID #0303 H4.	Mission ID 0207A

A. Participants:

HRI)	AOC		
Function	Participant	Function	Participant	
Lead Project Scientist	Zawiscak	Flight Director	BELSON/PARRISH	
Radar/Workstation	ZHP#G	Pilots	PRICE MITCHELL / RUCKFOAD	
		Navigator	GOLLACHER/ UPATO	
Cloud Physics		Systems Engineer	HEYSTEK/SOUZA	
		Data Technician	MASCARO	
Dropwindsonde	SELLWOOD	Electronics Technician		
AXBT/AXCP		Other	MCALISTER (WAPS)	
Photographer/Observer s/Guests		-	, '	

B. Take-off and Landing Times and Locations:

Take-Off: ZZOO UTC Location: KLAL

Landing: 6437 UTC Location: KLAL

Number of Eye Penetrations:

SHIPS VWSH (8/182): 356/8K

C. Past and Forecast Storm Locations:

MOTION: 290/ 12mm (10kT)

Date/Time	Latitude	Longitude	MSLP	Maximum Wind	
8/18 (NHC)	20.0N	89.9W	1002 mb	35 ₺₸	
8/212 (WHC)	20. 2N	90.3W	1001 Wp	35 KT	
8/2302 (AF)	200101/	900 424			
\$ 10007 CAFT	20041	90 491	-		

D. Mission Briefing:

EMC-TOSKED TOR MISSION INTO TROPICAL STORM FRANKLIN, CHERCING

SPE THE YUCATAN PENNSULA. CHANCE OF RI. BUTTERFLY PATTERN, TRUNCATES ON

EAST SIDE AVE TO LAND. ICKEL. PROPERT EMP POINT, BIS AT EACH POINT. THE WIPES

WILL BE TOUGH. MAY ROTATE OUTSUMP TO GET A CONGER LEG OUTSUMD FROM CTR TO

PT #2. THEN DISSIDENCED TO WIPE? EST OF CTR. TRY TO GET LONG FRONCH INISOUND

TO ENTR WALLE COME TO ST # 4. PRAIGHT LEGS.

MAY HAVE TO DROP/ST OF WIPE 3 JOOMER ON LEG TO GET DESPER WATER.

Storm or I	Project FRANKLIN	Experiment	name_ TOR
Flight ID _	19 0808H1	Mission ID_	0207A

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

Equipment	Pre-Flight	In-Flight	Post-Flight	# DATs / CDs /Expendables/ Printouts
Radar/LF	1			
Doppler Radar/TA	for second	1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		14 de 15
Cloud Physics	t			
Data System	f			
GPS sondes	t 1	7 DROPS		
AXBT/AXCP	1	2 OF 4 BTS		
Ozone instrument	nin	FIRST DOTA BE IN ITUTE		
Workstation	1	THIRD/ FORTH 6000		
Cameras	NOSE 1 POWN PICHT		. X	E. Charles

REMARKS:

PCAS

Lead Project Scientist Event Log

Date 8/8/17 Flight ID 170808 H1 LPS ZAWISLAK

Time	Event	Position	Comments	1
2200 2		KLAL	T/0	
2230 Z		27*31 / 84*81	CEMER IS CIFF COOST NUM. SUME DEEP CONVECTION MERR CIF. ALL OF ARC CLOSES TE	1
23312	1	23 57 /89 22	CAN'T GET TO WELL THE	
			OF SETISTICATED STRUST CONTROL OF RESIDENCES STRUST CONTROL OF STR	
`			OUT OF RESTRICTO ANJPORT TO GET A STRAIGHT INBUUMP.	
	- V - V	AC A COM	TUST TOU OUGH PRESTACTED	
	3	2 (4) 2 d	THE STURM CEPTER	
00032	21346 918121	1P (DRO?/BT)	CHECKING ABOUT ENTERING THE RESTRICTED PIRITACE	DROP PI
	21.81 N/91.22W	INFOUND TO CUTE	SONPE/ BY ALLEY - INGOING	IN CCE
	100m1/168°	IN BOOMS CHIE	SHOUTH CONCESSIN) HER	CONGET
00092	20004' /90 49'.	AF FIX		228
00287	20 81/90511	CENTER DROP	DECENT RAINBOND SOUTH	CENSIER
	3	CUTBOURD TO WIFZ	BT AT WE'D DION T GET PASA	SEVANS
	19°33' / 91° 91	OUTBOUND WE IT	Care THR QUELL "STRONGETT"	30.00
	line and the same of the same		20d8 2 To 10-11 km.	
5 2400	19041/910211	WP # 2 (DOON/5T)	BT NOT BEAUT GENTUR PATIO	DROPL
01022	19°591/90°37	WO +3 (DBS)	THIS GUND TO CENTER 826	NODE
01082	20°18' /90° 54'	CELTER (PROP)	DECENT ELLIS TO 12-14 KM GH	DRUP C
	20.3/90.9	13.1	NOW OUTBONNO ON 3206	4
01222			THE YORK CPREJUMABLY U	PIHEAR
01302	21035/ 920101	W#4 (PROP/)	TURNING DOWNWIND FUR	DROP
01372	21 N/ 92°21'	DOWNWIND TO WHY	SOME MICE CONVECTIVE WEST	

350 130 P

CHEC

AF 995mb

Cherry Cherry

CENTER, INNER
BAND IS WROSSIUC OSL TO USC

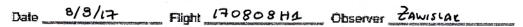
DELENT HEICUTSIN IT.

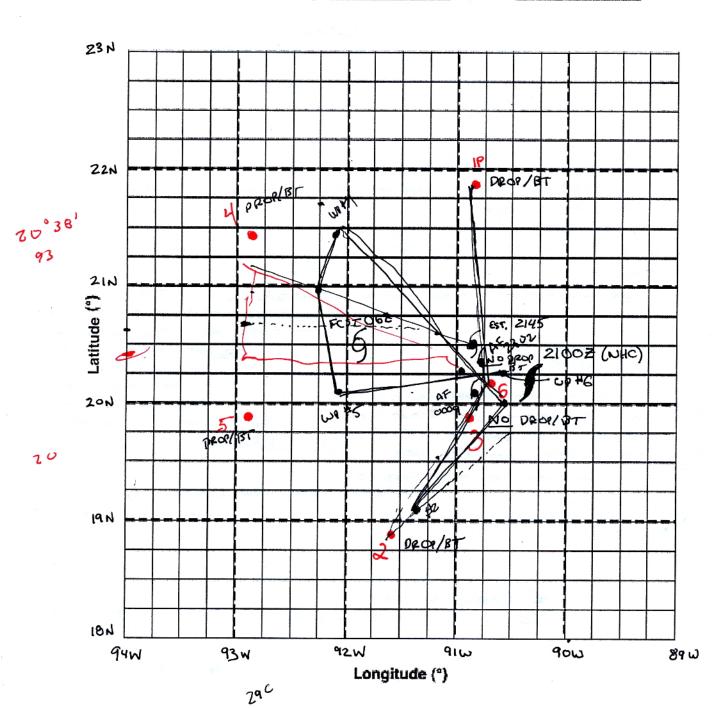
Lead Project Scientist Event Log

Date _	818/17	Flight ID_	148080F1	LPS _	Zawiscak
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Time	Event	Position	Comments
0151	OBO®	WI #5 20061/ DRON HOW TO AND CONVECTER!	
	PERI CONVECTION OFF TO RIGHT (WEST) OF TRACK		NOW INFORMO. HAS DECENT ARZ TO 10 km 2 MAYBE
204	20° 14' / 21° 12'	"CENTEL" (DRUP)	WHO DOWS TO 4-5 W. 260-14 10 JOH SOURS
	NOW OUTSOME ON		SOME PROPERT DEED CONTROLL ON THE FARE FOR 30487
	SEME BOLL CAST		
02123	TURN HORAL WIN	· 20° 25'/90° 34'	REACH WI HE OUT OF STORM
			WE DW DECENT ECHO TOPS ON HORAH FOR DUE EAST SIDES OF "EYEWALL" PORTE IZKA
			POCKLOG OF TOR POTATO
02172			PLOCESS. FIRST PASS SENT TO
	Parallerine in the State	•	EVENTUALLY GOT ALL
			3 ANACTIO TO EITC
· · · · ·			

Observer's Flight Track Worksheet





Mission Summary Storm name YYMMDDA# Aircraft 42RF

Scientific Crew (4 RF)
Lead Project Scientist Jon Zautstak
Radar Scientist Jun Zhan G. CREASON GROWN
Cloud Physics Scientist
Dropwindsonde Scientist KATHRYN SELLWOOD
Boundary-Layer Scientist
Workstation Scientist
Observers (affiliation)

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

WE WERE ASUE TO GET EN CONPLORE INBOUND POUT BIN

TRUNCATED BUTTERFLY ONE TO YUNTAN PENINUUM. AN NAS, SEANW, WARD DRUG AT THEN POINTS, CENTER, AXBTS PAIRED AT DRUGS, HOWEVER NO BOWN DROPS OR BTS AT # 3 AND #6 (CLOSE FO CURST), AND HOBTS IS CENTER. STRAIGHT LEGS & GET THROUGH CENTER, FIX ON PAST #1. 10 KFE.

Mission Synopsis: (include plot of actual flight track)

WHEN / CHR / 12. GOOD PLANUSIS NOT MUCH CONVECTION NORTH (NUPSHER) OF CENTER,

MEX MOLENEL CONTERN), BETTER CONFETT IN TO SOUTH. WY SOME CHENERGE WE

WERRE ABLE TO DO DOWNWHAM TO 12 AND GO 320' TO GET CENTER. WE DID

A FIX ON PASS #1, AND, CPA ON PASS 2 AND 3 DESPITE EARLY CONCERNS OVER

Evaluation: (did the experiment meet the proposed objectives?) A WARNING APEA AROUND AS

WE WERE ABLE TO CENT 3 ANALYSES

OFF THE PLANE. (WI SOME OPERCUCTES)

PLANUED.

PAUL REDUCTING WE WERE ABUT TO CHET 3 ANALYSE!

LOTS OF MISSING (OFF THE PUNE (WI SOME DIFFICULTIES))

OATA BELOW ATTSTS - ONLY 2 HAD GOOD DATA

THE FULCHTURIEL FORON - Jame HAD GOOD STC. PRESSURE.

IN 30

(~ 989) WHICH STEMES LOW COMPARED TO AFRI FIXED (~995mb)

SEE SOUDE ISSUE

SEE MANUALIS ISSUE

Problems:(list all problems)

ANAUYIES

Expendables used in mission:

GPS sondes: 7 (3NHC, 4 HFIP)

AXBTs: 4 (2 6000, 1 some DATA, 1 NO OMA)

Sonobuoys:

AS WE LEFT, DEEP CONVECTION

WEAPPING AROUND USE JUST

MUCH PERCO OUTLINE OF THERE

TO MORTH (UPLHEAR LEFT) WHILL

BOT TO WEST (USE)
CONVECTURE BANDING.

TO INTENSIFY.