Lead Project Scientist

Storm o	or Pi	roject TS Karen Experiment name TOR 13003H1 Mission ID
		13003Hu Mission ID
Preflig		
\checkmark	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 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.
<u> </u>	5.	Meet with AOC flight director and navigator at least 3 hours before take-off for initial briefing.
_ (5.	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 MGOC in Miami.
£	3.	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.
1	10.	Perform a headset operation check with all HRD flight crew members. Make sure everyone can hear and speak using the headset.
In-Fligł	nt	
<u> i</u>	ι.	Confirm from AOC flight director that satellite data link is operative (information).
\leq 2	2.	Confirm camera mode of operation.
<u> </u>	3.	Confirm data recording rate.
4	1.	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 flig	ght	
1		Debrief scientific crew.
2	2.	Gather completed forms for mission and turn in to data manager at HRD.
<u> </u>	l	Obtain a copy of the 10-s flight listing from the AOC flight director. Turn in with completed forms.
4	I.	Obtain a copy of the radar DAT tapes. Turn in with completed forms.
5	j.	Obtain a copy of serial flight data on thumb drive. Turn in with completed forms.
[Note: all da	ata rem	oved from the aircraft by HRD personnel should be cleared with the AOC flight director.]
6	j.	Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to MGOC.
7	<i>'</i> .	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 Project	Faren	Experiment name_	TOR
Flight ID 7(00	34(Mission ID	

A. Participants:

HRI)	AC)C	
Function	Participant	Function	Participant	
Lead Project Scientist	Roces	Flight Director	Hennirg	
Radar/Workstation	Mase Fon/Se (Sunta	Pilots	Nelson Sweener	Ker
		Navigator	Scal Scal	
Cloud Physics	······	Systems Engineer	Borko	
		Data Technician	Reles	
Dropwindsonde	Sellwood/Hazelton	Electronics Technician	Lyach	
AXBT/AXCP	Selfabord / Magelion	Other		
Photographer/Observer				
s/Guests				

B. Take-off and Landing Times and Locations:

Take-Off:	UTC	Location:	KANCT
Landing: 0145	_UTC	Location:	EMCE

Number of Eye Penetrations:

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
	-			

D. Mission Briefing: Conduct EMC -adad TOR wiss on into TS Keven. Fly Forbiting 25-4, 1P on WSide, FP on SE. 100 un legs, Drop sorders (BT at all tim pronts and first senter pass. Drop sordes only at all widforts and remaining pronts and first senter pass. Drop sordes only at all widforts and remaining pronts and first senter pass. Storm is slowly industrials, encounter of Moderate SW shor. The restor has wared during hay is disposed to F MAE of low-level center. Dry out also prosent on Node



Lead Project Scientist Event Log

Date 10/3/13 Flight ID 131003 HI LPS Rogers

	Time	Event	Position	Comments
	1805	toleeff	KMCF	
	1936	tos	Non- 1P, 100 mm	clear air ninud, little
1			N & cent	ectives on LF, 30-35
				How SFAR
àle-	1943	Aropl, BT	100 am Nounter	FL 32 5F 32 4, 597 29
	1952	Aos	~ 39 un Sof	avail debris have, no road
			<u> </u>	process but there is
180 135				a but of a 28-32 dBZ
				ahead -> psbl "eyenall"?
	2000	Arrp 2	Brufomcente,	SE 50-55, FC 30-75
N +			N'eyender"	
Jer	2006	d-rup 3, BT	ourter,	eptapscp 996, SSTZ8
center		ŝ.	23" 13 88° 28'	
23 13	2017	Jap 9	50 N.M.S	FL 25, 5f 20
	2026	Stop5, BT	100 V W S	FL 20, 5F 20,
28° 28'				turn to downwhited
88° 28' 20067				129, outorweak 69 was
				only 80 AM, 555 27.5
·	2056	1 ap 6 , BT	100 W. MA. E	FL 35, SF 30, ST 2
and and a start of the start of	2106	065	60 nm E	wastly stratifim here
				on E sido, Naven 1 sean
Posor leg 1			aun	echotops above 10 fm
and	2112	Arop7	50 AME	FL 45, 5F 50
1943-2056	- 2123	8-100 E	ander,	eptaysch gat,
		ų į	2322'88'34'	peak FL wind on E
Centrer / 23,22				intrud SOLA, SF 50 H
< COX 13 . 1	2136	d rap 9	50 mm wowler	FL 30, 5F 30

866 21232 322 (8 - Notion Yw 2 Fites

Lead Project Scientist Event Log

Date 10 3713

Flight ID_131003H(______LPS___

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Time	Event	Position	Comments
2148	Amplo, BT	100. in W	FI 155 SF 10 KT
	¢.		· 557 29.25
2206	· Inp 11., BT	100 A.M. SW	F1 15,5F 5-10 H
2220	A mp. 12	50 MM SW	FL-20155 5-10 64
2231	Ann 13	center, 23°24"	peak PL 20, 5f 30
		. 88 44	on sw site, exta
		· · ·	SLP 998
2238	Drig 14	NE "eyenment":	FL 45, SF 45 Kt
2239	055	VE outgrades	see deep convection to
		Ĵ.	our left; each tops,
	· · · · · · · · · · · · · · · · · · ·		to 16-17 EM, highe
		· · ·	A flight
2244	Anp 15	50 NM NE cater	FL: 35 15F 4564
2247	1 165 -	20 NE.	airon rodon comeran
	· · · · · · · · · · · · · · · · · · ·	Mode	with strakifum clear
		brita	at bud colors getting
		. up t	
-			eithere turnets
2255.	A-1015 16, BT	100 MM NE	FL 35-40, 5F 20-2
2329	Amort, BT	Warnoll.	FL 20, SF 20 bt,
		5fill	clear on this side no
		clow	
234-3	Inp 18	50 ml w .	FL 30, SF. 30 6+
2351	dopia, conter.	23038 88051	ettrop SLP~999-000m
2358	055	SEdautic	peak FL 35, SF NOt
			misE side
1	1		

Radar 1292 12056-2206 .2'3 8844 h2312

Center 23,38 6851 23512

Lead Project Scientist Event Log

Date 10(-3/13

___Flight ID_13003401___LPS_

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Comments

	Time	Event	Position	
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	M15	drop 21 BT	100 NM SE	(
1778-	DIUS_	· land	PARCE	
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2328- 0015. 0005.				
1 per retor				
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LIMIC	Livene		
103	dirap 20 drap 21 BT	50 nm SE	FL 30, SF 25 &f FL 30, SF 30 kt
15	drop 21, BT	50 nm SE 100 nm SE 10m CF	FL 30, SF 30 Kt
145	· land.	Pauc F.	
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Mission Summary Storm name YYMMDDA# Aircraft 4²/₋RF

Scientific Crew (4RF)
Lead Project Scientist
Radar Scientist Hazdton
Cloud Physics Scientist
Dropwindsonde Scientist Sellwood
Boundary-Layer Scientist
Workstation Scientist
Observers (affiliation)

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

se previous

Mission Synopsis: (include plot of actual flight track) flow wiss in as flowed. Dright sandes at all end, widparts ander roads at endpoints and IP canterpa completed fore roduces superiods did not make it in time for 182 muthing is paid form to due to processing issues at near words would be expected given satellite presentation. Mission did met the disection is include proposed objectives?) better hole of the convertor Mission did met the disection of actual flight track would be expected given satellite presentation. Mission did met the disection is include proposed objectives?) better hole of the convertor Mission did met the disection of actual flight track would be worked year of roduced and travenited to fare, objection of singer ovalues produced and travenited to fare, objection of the flight will show and did the sum of the flight superiod form air on word side. Problems: (list all problems) No problems, of her flight will be the wild will be the flight superiod to the flight size to be shown duri no thight sized due to show? Most superiod to the flight will be the flight will be the flight superiod to the show? Marrier on word side: <u>Expendables used in mission:</u> <u>GPS sondes:</u> <u>21</u> <u>AXBTs:</u> <u>9</u>

Sonobuoys: _____