## **Lead Project Scientist**

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9. Prepare written mission summary using <b>Mission Summary</b> form.		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.

FL, SFMR, DMT, SONDE, TAIL, LF

## Lead Project Scientist Check List

Storm or Project TS KARL	Experiment name RAPX
Flight ID 2016 0920 I	Mission ID WBIZA KARL

## A. Participants:

HR	D	AOC		
Function	Participant	Function	Participant	
Lead Project Scientist	Bucci	Flight Director	BELSON/SEARS	
Radar/Workstation	KLOTZ .	Pilots	PRICE	
Cloud Physics		Navigator Systems Engineer Data Technician	KAHN/REES SIEGEL HEYSTEK NAEHER	
Dropwindsonde	CHRISTOPHERSON	Electronics Technician	PEEK	
AXBT/AXCP Photographer/Observer s/Guests		Other		

<b>B</b> .	Take-off	and	Landing	<b>Times</b>	and	Locations:
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Di Tuite dii and Banding Times and Boomsons.	
Take-Off: 1740 UTC Location: STX	1833 5506 1P
	2003 5506 center
Number of Eye Penetrations:	2133 SOOG EP

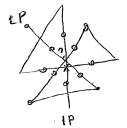
## C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind

# Shoot of one cost

## D. Mission Briefing:

Ts karl is a 40 kt, 1000 mb storm moving W attack to It is ander about 15 kts of southerly shear leaving the LLC exposed. There still appears to be dry air to the east, though the environment seems to be moistening and so to are favorable. Flying 10,000 ft, dropping sondes ends and mids, no center hunting



# Mission Summary Storm name YYMMDDA# Aircraft 43 RF

Scientific Crew (43RF)					
Lead Project Scientist <u>Bucci</u>					
Radar Scientist KLOTZ					
Cloud Physics Scientist					
Dropwindsonde Scientist CHRISTOPHERSON					
Boundary-Layer Scientist					
Workstation Scientist					
Observers (affiliation)					

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

Mission Synopsis: (include plot of actual flight track)

Flight pattern was shifted to start s and end in the NW, stear from upper level low continues to displace convection to the east and north. West environment remains dry, though sords show low levels moistening on the south. No Ts winds found on sonder or SFMR. Hunted for center on last pass and did not find a concrent Evaluation: (did the experiment meet the proposed objectives?)

coordinated well with G-IV. Dropped sonds to supplement G-IV coverage. Weakening of Ts karl makes rapid intensification less likely. Presence Of the upper level low seems to be the inhibiting factor to intensification, since environment is slowly moistening and Problems: (list all problems) so Ts are favorable.

Minor: LPS headset

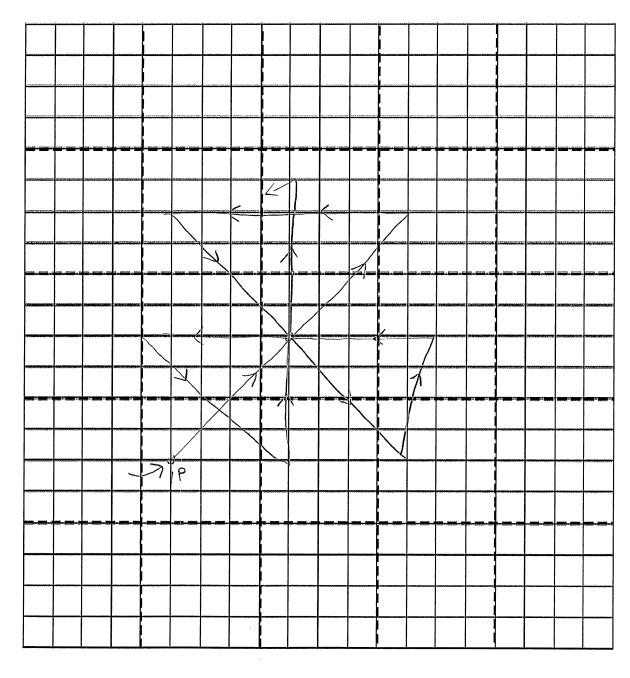
UT down partially en mute, up by storm

Expendables used in mission:

GPS sondes: 14 (1 bad)

AXBTs : \_\_\_\_*O*\_\_\_\_\_

Sonobuoys:



Longitude (°)

# Lead Project Scientist Event Log

Date 2010-09-20 Flight ID 20100920エ1 LPS Bucci

Time	Event	Position	Comments
1749	take off	STX	
1830	LF down	180 4'N 618'W	
	LF fixed		Looks good
1940	IP		no sonde (G-1V tedundant
1952	mid drop 1	S lea	
2002	center	20°2'N 65°20'	Licroff to left
2013	middrop 2	N lea	snallow cu below/stert
2024	Nendpt		turn to the SE
2054	Wendot		clear
2105	midpoint drop	W	
2117	drop 4	center	
2127	drop 5	mid pt E	
2140	Eenapt	•	turn to NW
2156	NE end of dry	06	precio
2210	drop 7	NEmid	, ,
2231	drop 8	mid SW	
2241	drop 9	sw endpt	
2311	drop 10	SE end of	badsonde
2312	drop 11	SE end pt	ì
2321	drop 12	SE midpt	
2342	drop 13	NW midp	
<i>2</i> 352	drop 14	NW endpt	
		•	