

Lead Project Scientist Check List

Storm or Project Arthur Experiment name TDR

Flight ID 20140702J1 Mission ID 0801A ARTHUR

A. Participants:

HRD		AOC	
Function	Participant	Function	Participant
Lead Project Scientist	<u>Anderson</u>	Flight Director	<u>Holmes / Sears</u>
Radar/Workstation	<u>J. Zhang</u>	Pilots	<u>Halverson / Didier / Marken</u>
		Navigator	<u>Sloan</u>
Cloud Physics		Systems Engineer	<u>Norher</u>
		Data Technician	<u>Warmeske / Lynch</u>
Dropwindsonde	<u>Sellwood</u>	Electronics Technician	
AXBT/AXCP		Other <u>implains Hystek</u>	
Photographer/Observer	<u>Joseph Patton</u>	Flight Engineer	<u>Heystek</u>
s/Guests	<u>Kelly Nunez</u>		
	<u>Hergen + (AOC interns)</u>		<u>Kalonde</u>

B. Take-off and Landing Times and Locations:

Take-Off: 181025 UTC Location: MacDill

Landing: _____ UTC Location: MacDill

Number of Eye Penetrations: _____

C. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
<u>02/18/1100</u>	<u>29 25</u>	<u>79 09</u>	<u>996</u>	<u>51kt sfc / 63kt FL</u>
<u>02/19/1027</u>	<u>29 30</u>	<u>79 07</u>	<u>995</u>	<u>41kt sfc / 59kt FL</u>

D. Mission Briefing: TDR Figure 4 → circumnave → Fig. 4 rotated

Lead Project Scientist Event Log

Date _____ Flight ID _____ LPS _____

Time	Event	Position	Comments
	Big convection	NE side (burst?)	
		29 30 79 07	41 20mi 1910 19.8 mi NW
	20 mi RHW both sides		
	drag circumnavigation @ 35 mi		
		29 42 79 10	67kt 18 mi 2003
		29 44 79 06	46kt 14 mi 2020
2112	cell descent low N	29 mi 35+ dBZ	
2145	inbound turn		
2201	center		
		29 58 79 11	67kt 18 mi 214500 991
		29 59 79 06	56kt 18 mi 220151 991
2305	turn inbound	005/09	
2328	center		
2330	end inbound		
			54kt 10 mi 231140 990
		30 04 79 06	56kt 12 mi 232140 990
002050	center	30 14 79 08	60kt 17 mi 002130 998
0045	last drop - direct impact		
0130	landed		

circle → comma
→ circle

missed RHW,
E because AVAS dot
not here since early
NE because turning
could not see RHW