

19830818H1-LPS

Form E-1
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On-board Lead Project Scientist Checklist

DATE Aug 18, 1983

AIRCRAFT 42

FLT 830818H1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>Torgensen</u>	Gust Probe	<u>-</u>
Cloud Physics	<u>Willis</u>	Omegasonde	<u>-</u>
AXBT	<u>-</u>	Sys Eng	<u>Goldstien/Schricka</u>
Hot Film	<u>-</u>	Data Tech	<u>Stone</u>
Radar	<u>Goldenberg/Cheng</u>	EI Tech	<u>-</u>
Flt Dir/Met	<u>Davis</u>	Other	<u>-</u>
Take Off <u>0510 Z</u>	Location <u>New Or</u>	Landing	Location

B. Past and Forecast Storm Position

Date	Time	Latitude	Longitude	MSLP
<u>8/18</u>	<u>0330 Z</u>	<u>28.5</u>	<u>94.9</u>	<u>967</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

C. Mission Briefing

06-09-12 Z fires No Air Force

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	ok	ok	ok	yes
Radar	ok	ok	ok	yes
Cloud Physics	ok	ok	ok	yes
Data Sys	ok			
Omegasondes	-			
AXBT	-			
Gust Probe	-			
Hot Film	-			
Photography	NA			

REMARKS

Replaced Knollenberg probes with those from 43.

E. Proposed and Actual Flight Patterns

23J 1481603871

E.1.3 Postflight

- _____ 1. Debrief crew.
- _____ 2. Report landing time, aircraft, crew and mission status to HRD operations center.
- _____ 3. Gather completed forms for mission and turn in at the operations center.
- _____ 4. Determine next mission status, if any, and brief crews as necessary.
- _____ 5. Notify operations center as to where you can be contacted.

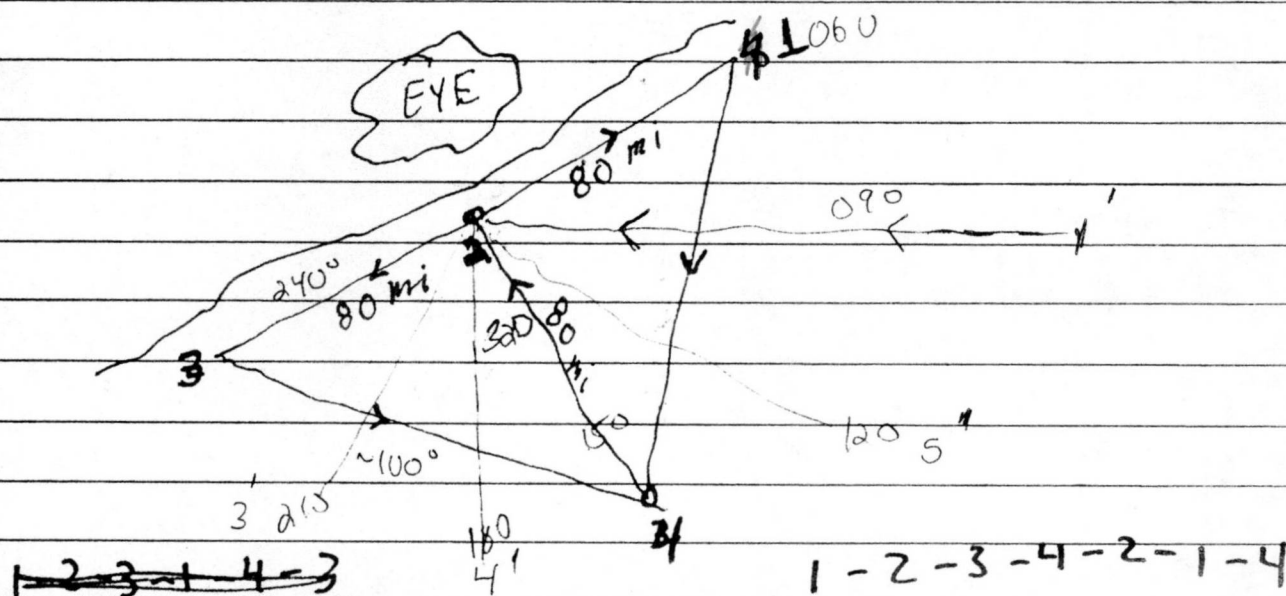
030818H1 Alicia

LPS	Jorgensen
ChPhy	Willis
Rod	Goldenberg
Rod	Cheng

Fly willoughby pattern

Takeoff 0510Z

Eye probably on land - possible pattern



Begin descent 055250Z

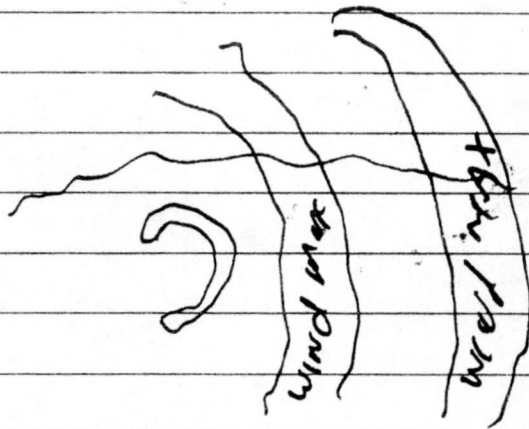
W
↑

Relatively small eye
~12 mi' diam



long thin bands

Northern edge of eyewall over land



830818H1

Event Log

<u>Point</u>	<u>time</u>	<u>Lat</u>	<u>Lon</u>	<u>mslp</u>	<u>Comments</u>
1	28.46 055900	28.76	93.33		
2	062530	28.97	95.05	964	50 ms ⁻¹ max wind
3	064506	28.26	96.31		
4	070800	28.91	94.44		Inbound
2	072740	28.03	95.14	961	96
1	074640	29.68	94.03		
4	082339	28.09	94.53		inbound
2	084127	29.18	95.22	963	55 ms ⁻¹ max wind
3'	090515	27.95	95.88		
4'	093055	28.39	94.09		inbound
2	095155	29.27	95.03		
1'	101121	29.21	93.63		
1	101945	29.78	93.73		
2	Can't	penetrate			
3	110746	28.43	96.28		
4'	112415	27.72	95.18		
2	114157	turns of center			Center ~ 40 mi ashore
END	120000				

