

Appendix J

Operational Checklists

FORM J-1

On-board Lead Project Scientist Checklist

DATE 8/4/80

AIRCRAFT 43RP

FLT 800804

A. Participants

<u>Function</u>	<u>Participant</u>	<u>Function</u>	<u>Participant</u>
Lead Proj. Sci.	<u>Black</u>	Gust Probe	
Cloud Physics		Omega Sonde	
AXBT		Sys Eng	<u>Goldstein</u>
Hot Film		Data Tech	<u>Lambert</u>
Radar	<u>Wäpfel / Qualls</u>	EI Tech	<u>Bales</u>
Flt DIR/MET	<u>McFadden</u>	Other	
Pilot: <u>Lerner</u> 2nd Eng: <u>Cicelli/Ricci</u>			

Time Off 1605 Location _____ Time On _____ Location _____

B. Past and Forecast Storm Position - Observed Positions

<u>Date</u>	<u>Time</u>	<u>Lat</u>	<u>Lon</u>	<u>Date</u>	<u>Time</u>	<u>Lat</u>	<u>Lon</u>	<u>MSLP</u>
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C. Mission Briefing

Ferry to 550

3 plane intercomparison 1634 - 1648

Zig-zag wind cal

FLIGHT DATA LOG

FLIGHT: 800804 43RF STORM: Allen ferry flight

TIME: _____ TO: _____

ON-BOARD LEAD PROJECT SCIENTIST: P. Black

Flight summary (include status of instrumentation and recording equipment, as well as any problems, malfunctions or outages with approximate times):

3 plane inter calibration

DATA VOLUME

STANDARD METEOROLOGICAL TAPES: 1

FAST TAPES: _____

RADAR TAPES: DIGITAL _____ VIDEO _____ LF TA NO

CLOUD PHYSICS/KNOLLENBERG TAPES: _____

FORMVAR? FOIL?

AXBT's? NO. of DROPS: _____ PRINTOUT?

OMEGA DROPWINDSONDES? NO. of DROPS: _____

NO. of CASSETTES _____ PRINTOUT? STRIP CHARIS?

PHOTOGRAPHY: VERTICAL? SIDE? NOSE?

(IF KNOWN) RATE: _____ RATE: _____ RATE: _____

SEEDING MISSION? FROM THIS A/C? NO. of FLARES: _____

Allen: ferry to SSU 8/4/80

70: 41C 1604Z

43RF 1605Z

42RF 1606Z

1615 climbing with 41C in sight
~1/4 mi ahead

1626 joining on 41 at 2550 m

1630 100 yds from 41 at 3170 m

1634 begin 3 plane formation
flight at 3620 RA, 3351 PA

1648 break off formation

165130 - 165230 14K

165530 - 165630 17K

170145 - 170245 20K

170740 - 170840 23K

171530 - 171740 25K

~~171840~~ ~~166~~ ~~166~~ ~~WPT~~

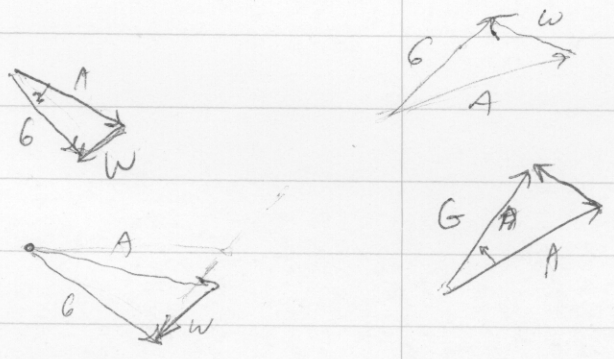
Time	Hdg	WD	WS	TAS
171840	166	078 078	2.9	162
172050	end			

172210	075	120	1.4	162
172520	075	130	2.3	163
172820	end	120-140	1.5-2.5	

172740	166	070	2.7	160
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~~050~~-060 3.1

172940		065	3.1	
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drift too large or A too small

8/3/80

Day 1

Crews - Rainband - Eyewall exp.

43RF

42RF

41C

Ld. Proj Sc. P. BLACK ✓

✓ Jorgensen

Willoughby ✓
(Zipser) ✓

CLD PHYS. R. Falls

✓ R. Black

Radar

Marks

✓ Wifel

Lein

Lewis ✓

✓ Parrish

AXBT

Powell ✓

Holland

Day 2

Crews - Eyewall

43RF

42RF

41C

LPS

P. Black

Sheets

Willoughby
~~Zipser~~

CLD PHYS

R. Falls

R. Black

Radar

Jorgensen

Lewis

Lein

Wifel

Parrish

Deployment

8/4/80

41C

43RF

42RF

Lein

Marks

Parrish

Willoughby

Wifel

Jorgensen

Holland

P. Black

Falls

~~L. Jorgensen~~ R. Black
Powell

Commercial

Zipser

Sheets

Trout

Brown

~~Jorgensen~~

Lewis

Powell

R. Black