

Appendix J

Operational Checklists

19790902 I LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE Sept 2, 1979AIRCRAFT 43RFFLT 790902 I

A. Participants

Function	Participant
Lead Proj. Sci.	<u>P. Black</u>
Cloud Physics	<u>J. Weeks</u>
AXBT	<u> </u>
Hot Film	<u> </u>
Radar	<u>P. Würfel</u>
Flt DIR/MET	<u>R. Davis</u>
Pilot	<u>F. Weber</u>
Flt Eng	<u>L. Rose</u>
Co-Pilot	<u>Ronald Koenig</u>
Time Off	<u>Location</u>

Function	Participant
Gust Probe	<u> </u>
Omega Sonde	<u> </u>
Sys Eng	<u>Mike Sing / Paul Connors</u>
Data Tech	<u>Don Lambrecht</u>
EI Tech	<u> </u>
Other	<u> </u>
mar	<u>Bill Adams</u>

Time Off

Location

Time On

Location

1018Z

return 1900Z

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon
<u>9/2/79</u>	<u>0402</u>	<u>21°33'</u>	<u>75°20'</u>
<u>9/2</u>	<u>0542</u>	<u>21°57'</u>	<u>75°28'</u>
<u>9/2</u>	<u>0815</u>	<u>22°28'</u>	<u>75°49'</u>

Date	Time	Lat	Lon	MSLP
<u>9/2</u>	<u>1130</u>	<u>22°58'</u>	<u>76°20'</u>	<u>982</u>
<u> </u>	<u>1220</u>	<u>23°00'</u>	<u>76°36'</u>	<u>983</u>
<u> </u>	<u>1400</u>	<u>23°16'</u>	<u>76°17'</u>	<u>983</u>
<u> </u>	<u>1500</u>	<u>23°37'</u>	<u>76°12'</u>	<u>982</u>
<u> </u>	<u>1600</u>	<u>23°56'</u>	<u>76°17'</u>	<u>982</u>
<u> </u>	<u>1700</u>	<u>23°70'</u>	<u>77°13'</u>	<u>982</u>
<u> </u>	<u>1800</u>	<u>23°93'</u>	<u>77°36'</u>	<u>980</u>

Heading for: 23°N, 76°WETA 1130Z

1st to attach ETA stuff

C. Mission Briefing

22.7 76.31127Z2372
7726

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	✓	✓		
Radar	1 scan converted out, ✓	✓		
Cloud Physics	✓	✓		
Data Sys	down	up-ok		
Omega Sondes	—			
AXBT	—			
Gust Probe	—			
Hot Film	—			
Photography	1 per 2 sec	✓		

REMARKS

Plans:

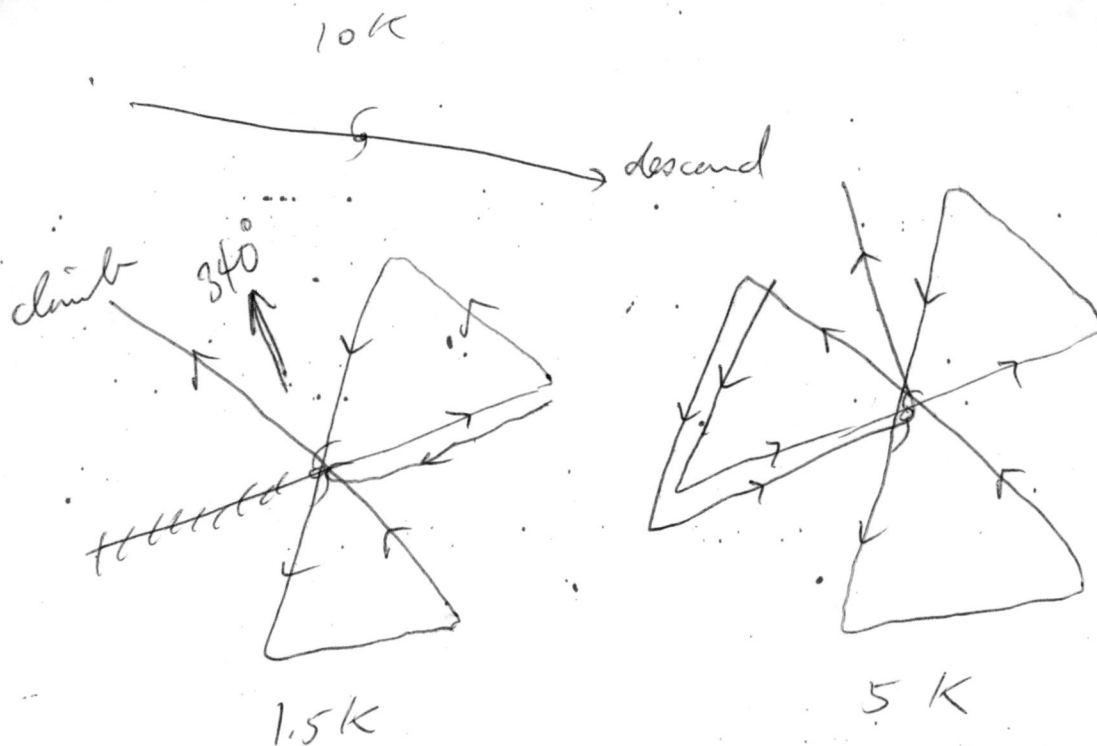
1 pass at 10 K

butterfly at 1.5 K

data syst. down at 1043

1st msg to CAPCOM TO + GTA @ ~1045

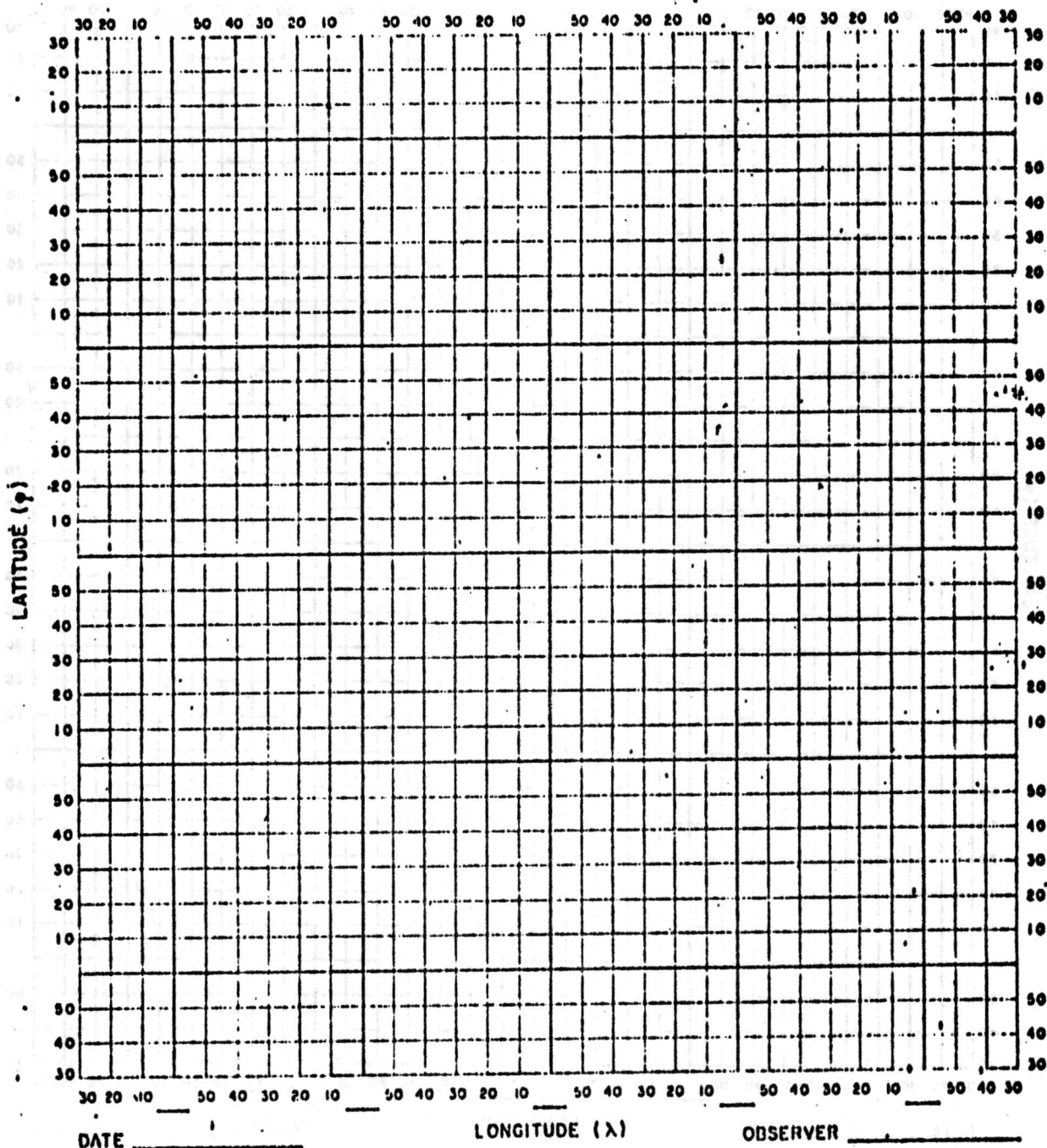
E. Proposed Flight Patterns



F. Actual Flight Patterns

HURRICANE RECCO PLOTTING CHART

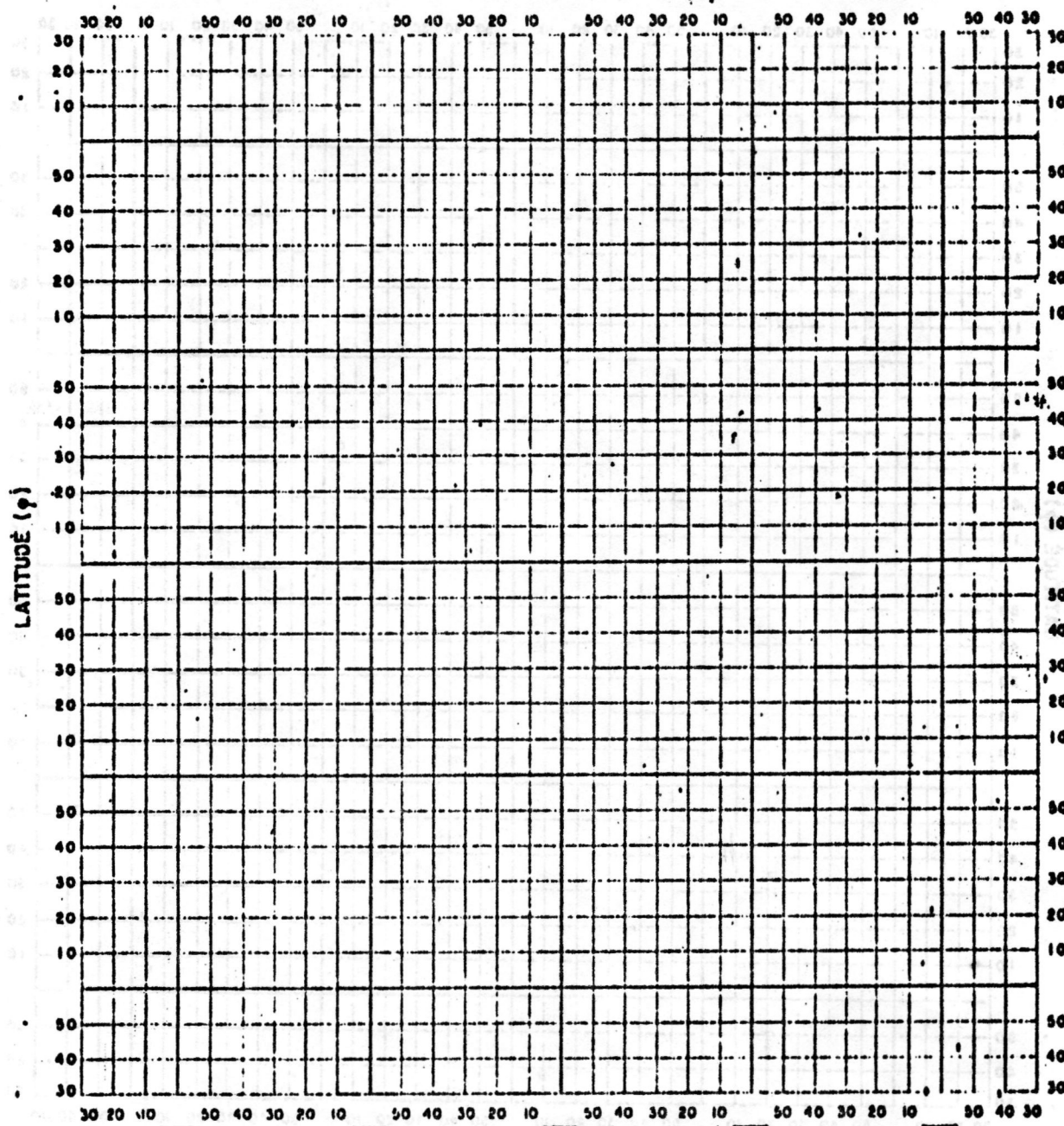
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

HURRICANE RECCO PLOTTING CHART

TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



DATE _____

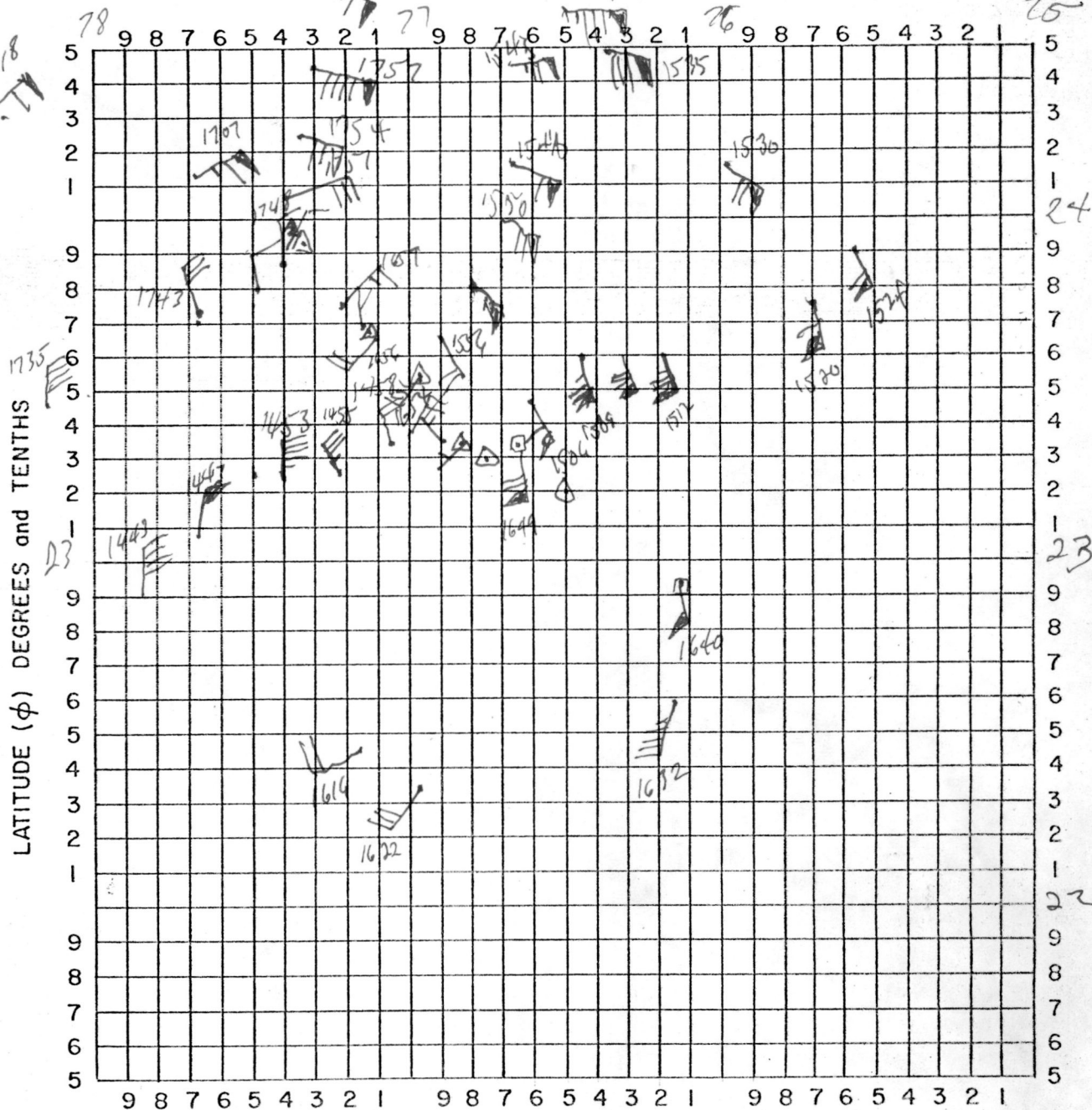
LONGITUDE (λ) _____

OBSERVER _____

NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

18/5

18/2

LONGITUDE (λ) DEGREES and TENTHS

2 of 2

NOTE: Label full degrees according to location of flight area

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Tape #	START	END	790902I
1	101807Z	112234Z	
2	112259Z	115432Z	
3	115749Z	122212Z	
4	122123Z 122404Z	123102Z	
5	123104Z 123405Z	124406Z	
6	124627Z	130713	
7	130920Z	140738	
8	141009Z	144812Z	
9	145000Z	End 151124Z	camera man in seat-
10	151541Z	153009Z	
11	153202Z	154025Z	
12	154240Z	155009Z	
13	155207Z	163125Z	
14	163248Z	172759Z	
15	172809Z	175543Z	
16	175738Z	181159Z	
17	181350Z	184244	

18

19

20