

Operational Checklists

19790902 FL LPS

FORM J-1

On-board Lead Project Scientist Checklist

DATE 02 SEP 79AIRCRAFT 41FLT 790902 F

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>WILLOUGHBY</u>	Gust Probe	
Cloud Physics	<u>LOHIEF</u>	Omega Sonde	<u>CARDENTER</u>
AXBT		Sys Eng	<u>SCHRICKE</u>
Hot Film		Data Tech	
Radar	<u>HALONEY</u>	El Tech	<u>CALVERT</u>
Flt DIR/MET	<u>MICHIE</u>	Other	

Time Off

Location

Time On

Location

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
<u>0902</u>	<u>03</u>	<u>22N</u>	<u>76W</u>	<u>02SEP</u>	<u>0325</u>	<u>21°29'</u>	<u>75°19'</u>	<u>55KT</u>
<u>0902</u>	<u>01</u>	<u>21°0'</u>	<u>75°30'</u>	<u>02SEP</u>	<u>0402</u>	<u>21°33'</u>	<u>75°20'</u>	
				<u>02SEP</u>	<u>0542</u>	<u>21°59'</u>	<u>75°28'</u>	<u>996 75KT</u>
				<u>02SEP</u>	<u>0815</u>	<u>22°28'</u>	<u>75°49'</u>	<u>988 63KT</u>

C. Mission Briefing

MAKE 03 06 09 FIXES AT FL 100

D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	↑			
Radar	↑			
Cloud Physics	↑			
Data Sys	↑			
Omega Sondes	↑			
AXBT				
Gust Probe				
Hot Film				
Photography				

REMARKS

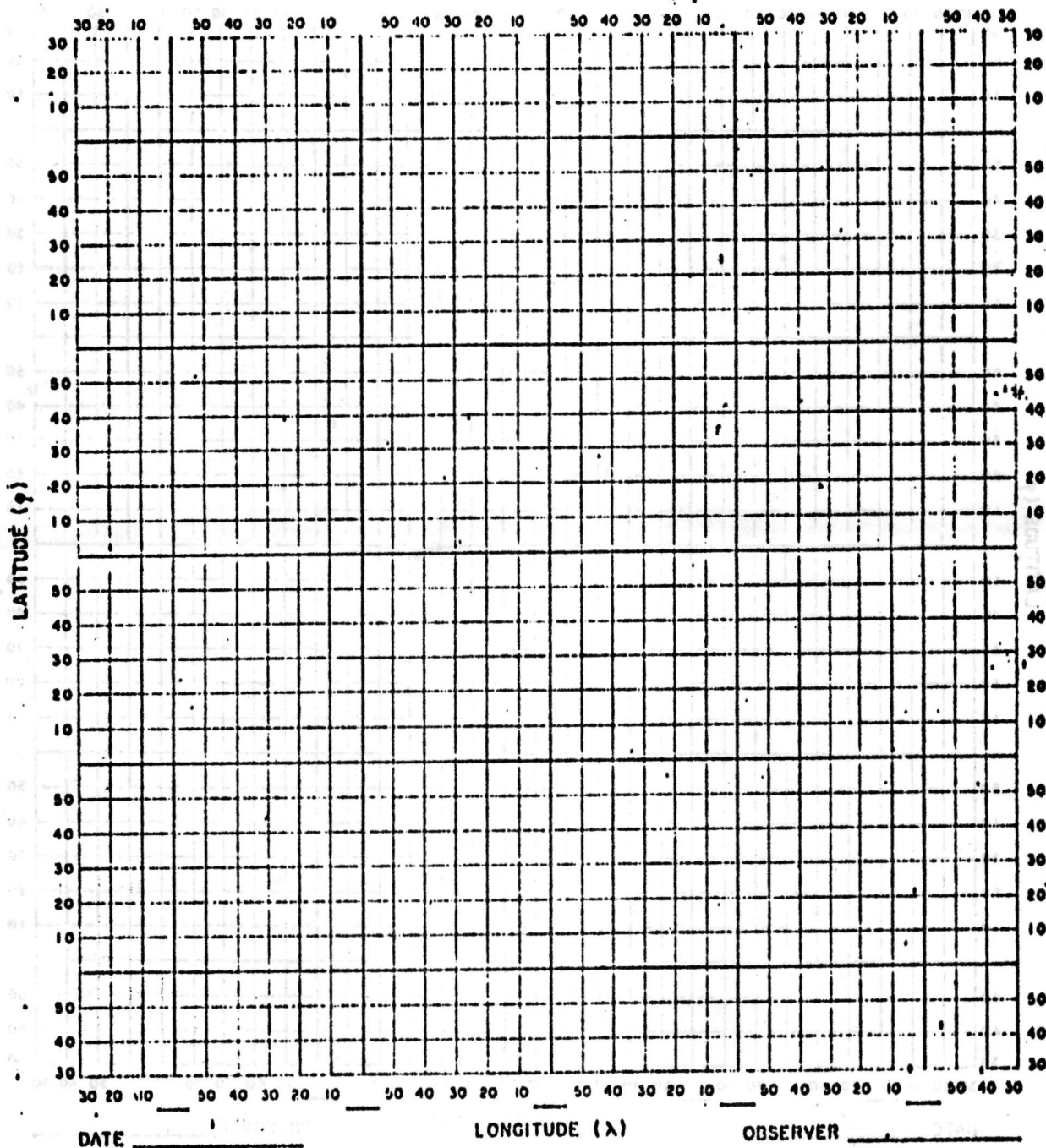
E. Proposed Flight Patterns

PENETRATE FIXES 03 06 09

F. Actual Flight Patterns

HURRICANE RECCO PLOTTING CHART

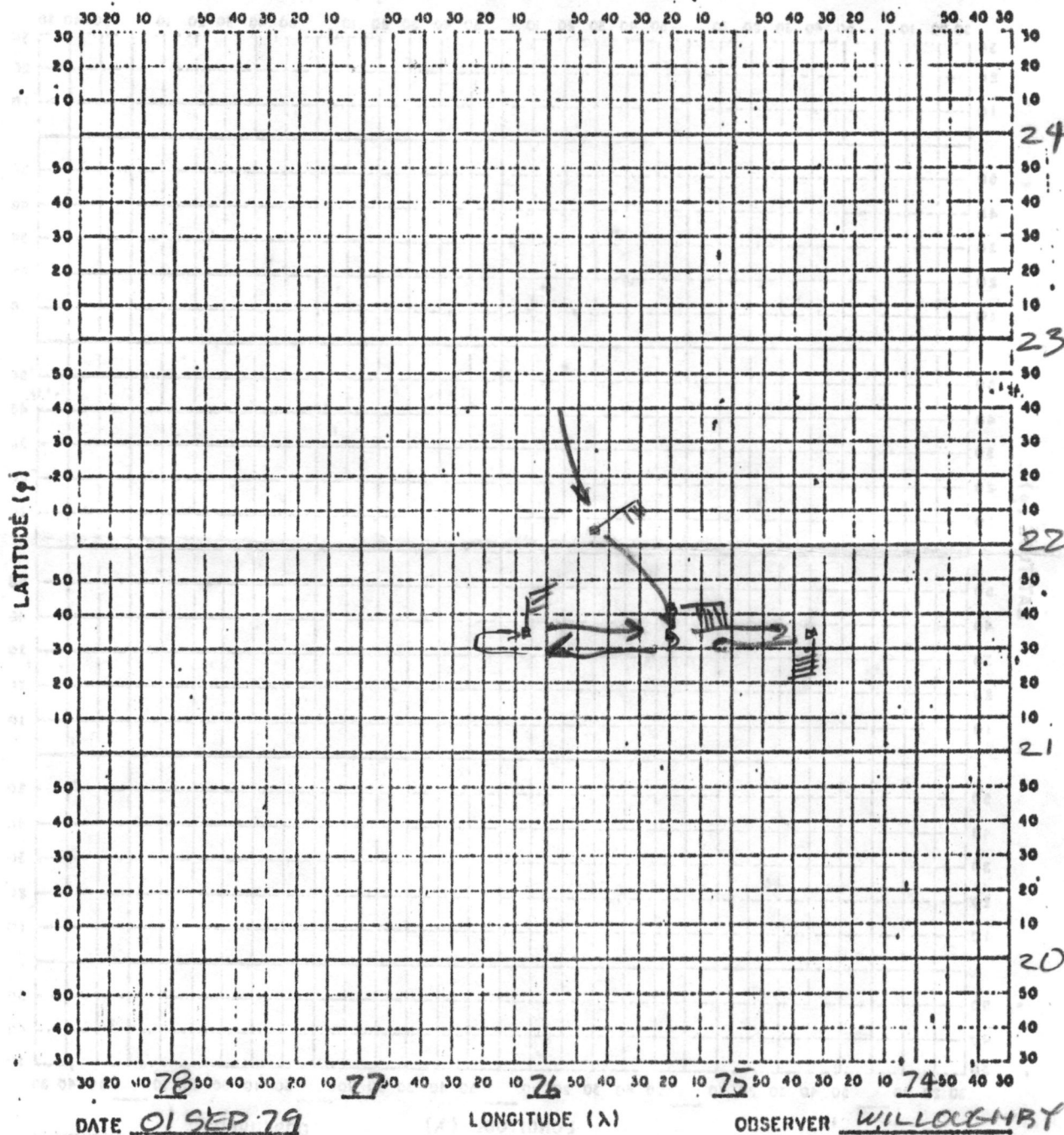
TRUE AT 25° LATITUDE, IN DEGREES AND MINUTES OF ϕ AND λ



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



NOTE: LABEL FULL DEGREES ACCORDING TO LOCATION OF FLIGHT AREA

GT 7/0 1AM EDT

Form I-2 Cloud Physics Project Scientist Operational CHECKLIST

T/O 9/2/79
014420

DATE 9/02/79

AIRCRAFT C130

FLIGHT 790902F

A. INSTRUMENT STATUS AND PERFORMANCE

	PreFlight	InFlight	PostFlight	Remarks	Data Units Collected
Johnson Williams	✓				
Nimbiometer	✓			650 chms	
Lyman Alpha	N/A				
U. V.	✓				
dewpoint	✓				
Foil Impactor	✓		05Z	erratic	transport
Formvar	N/A				
Knollenberg 1D only					
Raindrop					
Cloud Droplet	✓				
FSSP					
Data System	✓				
& Displays	✓				
Ice Particle Counter					
Mee	✓			possibly not active	
ERT					
CO ₂ Radiometer	N/A				
Microwave Radiometer					
Aerosol					
Filters					
Bulk Water					
INC					
CCN					

B. REMARKS

- 1) Data system went down Temporarily just after T/O Terry S. re booted the system.
- 2) Data system out 052925 - 054800 due to operator error + tape change
- 3) not much useful foil data due to lack of cld. + erratic transport.
- 4) 2nd tape ended 084453