

19770920 II. US

APPENDIX I.

OPERATIONAL CHECKLISTS

FORM I-1

Onboard Lead Project Scientist CHECKLIST

DATE Sept 20, 1977

AIRCRAFT P-3D(I)43F

FLT 770920 I

A. Participants

<u>Function</u>	<u>Participant</u>	<u>Function</u>	<u>Participant</u>
Lead Proj. Sci.	<u>Mallenger-Lewis-BLACK</u>	Gust Probe	<u>NONE</u>
Cloud Physics	<u>CUNNING</u>	Omega Sonde	<u>NONE</u>
AXBT	<u>BLACK (LOPEZ)</u>	Sys Eng/Loud. int	<u>Du Grandrut</u>
Hot Film	<u>MOSS Willoughby</u>	Data Tech	<u>BRANSON</u>
Radar	<u>LEWIS LOPEZ</u>	El Tech	<u>Daniels</u>
Flt DIR/MET	<u>Mac Fadden</u>	Other	

Time Off 1700 GMT Location Miami

Time On 2310Z Location San Juan

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>
<u>129/20/77</u>	<u>12Z</u>	<u>24°</u>	<u>62°</u>					
		<u>15°</u>	<u>62°</u>					

C. Mission Briefing

FLY Easterly WAVE PATTERN ON ferry flight to San Juan PR
Formation flight IN route with 41F and 42F
See attachment for Flight Pattern
Noted a calm wind at 2220Z with strong wind shear.

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D. Equipment Status

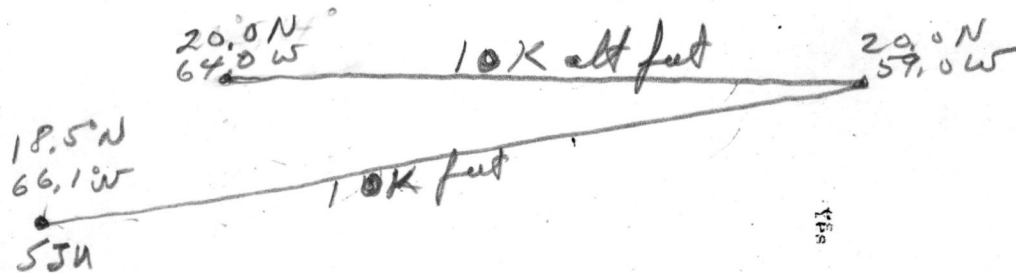
<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collected</u>
Aircraft	OK	OK	OK	
Radar	NO	OK *	OK	✓
Cloud Physics	Not corrected	OK	OK	
Data Sys	OK	OK	OK	
Omega Sondes	N/A	N/A	N/A	
AXBT	OK	OK	OK	
Gust Probe	N/A	N/A	N/A	
Hot Film	questionable	questionable	questionable	
Photography	N/A	N/A	N/A	

REMARKS

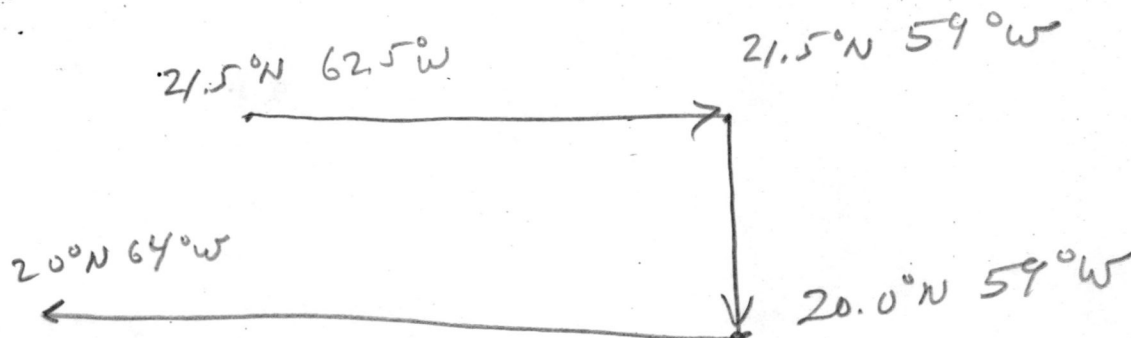
- * Could not get nose radar to play back for in route test.
- * Nose radar went down on CRT, but recording seems to be OK.
- * Kroll/Kenney tape out in flight. Probably can be fixed
- Radar integration LF = 15 nose = 31 tail = 63.

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E. Proposed Flight Patterns

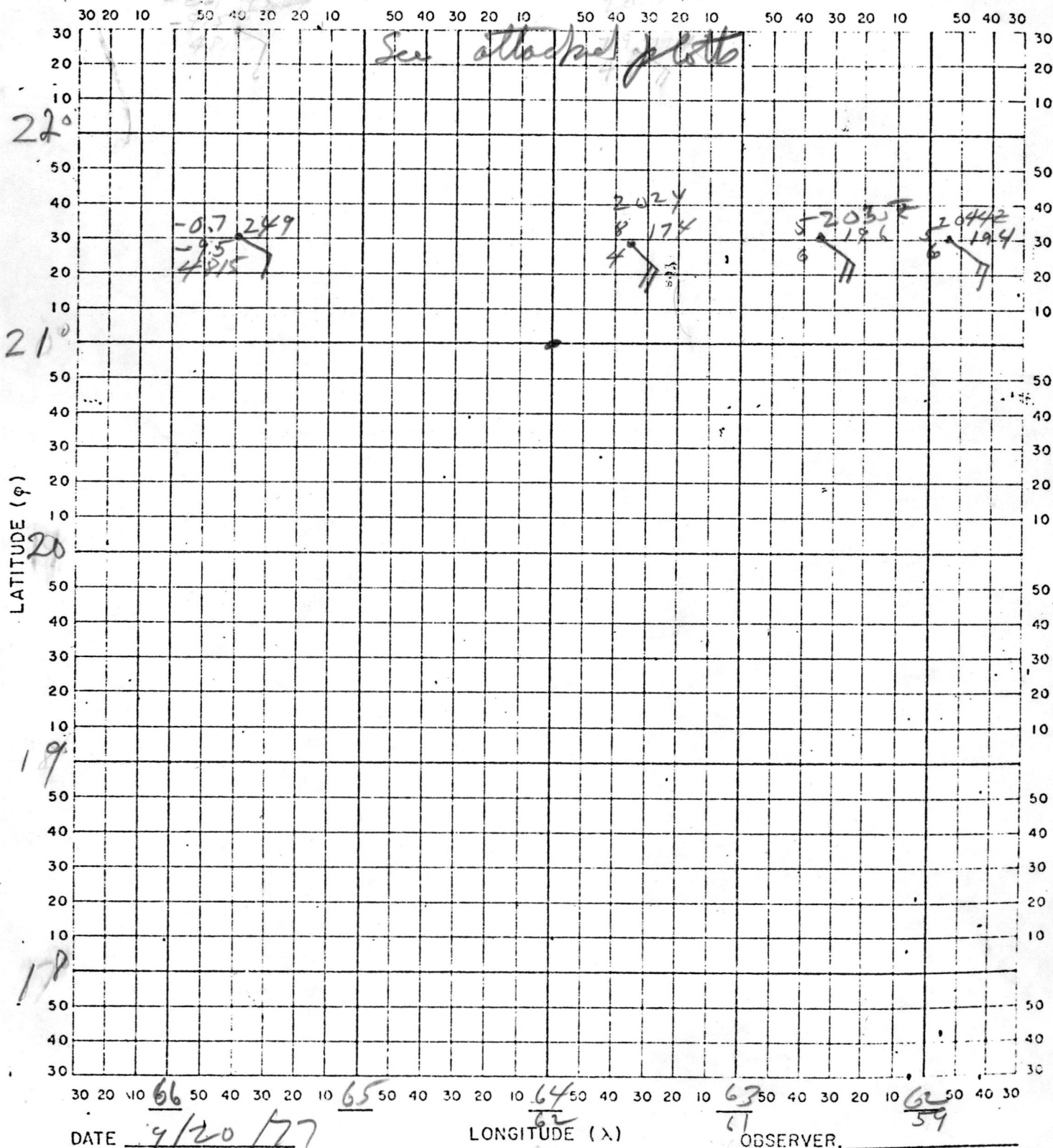


F. Actual Flight Patterns



HURRICANE RECCO PLOTTING CHART

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



<u>Nose</u>	<u>Lower Fuselage</u>	<u>Tail</u>	<u>Video Recorder</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

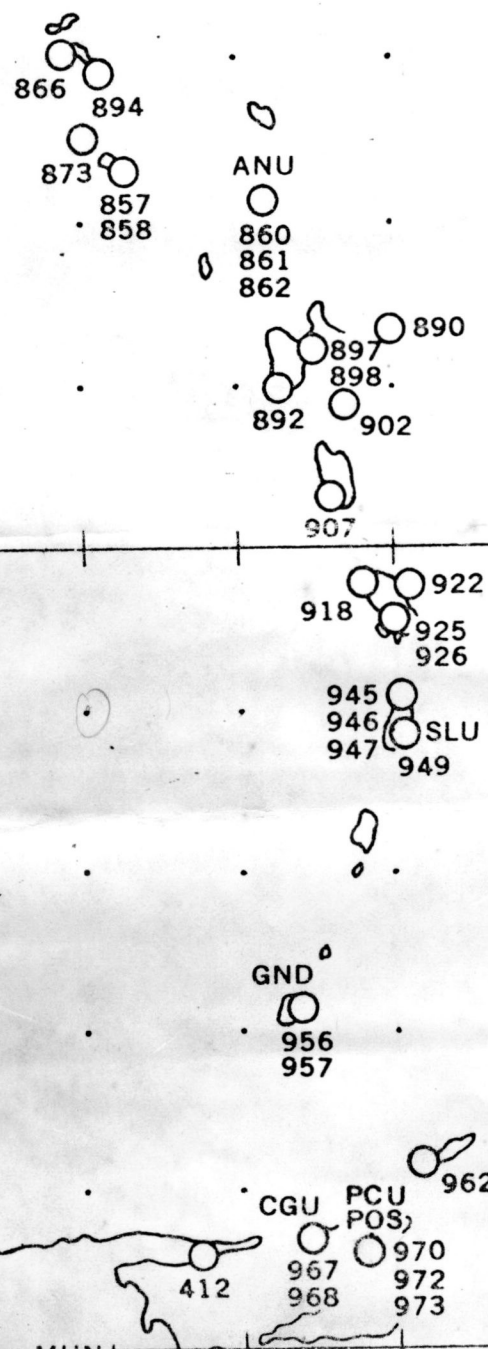
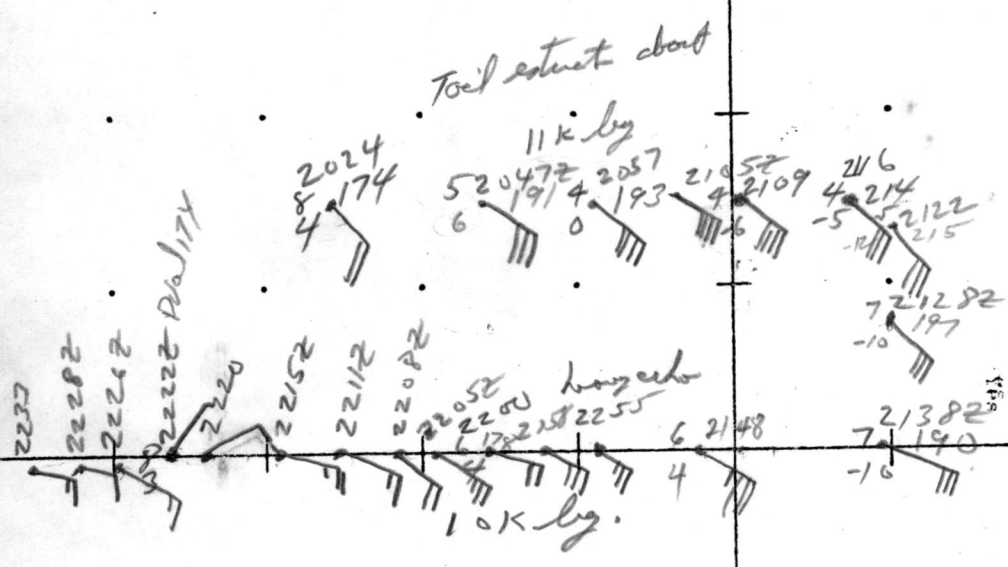
Times of Seeding Runs, etc.

[illegible]

19/63

142

770920 I



019402
+125
-36 4826

START

42-10K

START

42-1.5K

41-10K

START

42-10K

42-2.5K

43-10K

42-1.5K

43-10K

SJU
514 525 526 535
520 521

543
545
547

866 894
373 857
858

ANU
860
861
862

897 890
898
892 902
907

918 922
925 926
945 946 SLU
947 949

BTN
953
954

GND
956
957

CGU PCU
POS
967 970

MIQ

65°

60°

APPENDIX I.

OPERATIONAL CHECKLISTS

770920 I
20F2

FORM I-1

Onboard Lead Project Scientist CHECKLIST

DATE 9/20/77AIRCRAFT 43 RFFLT Crew 3

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>MALLINGER</u>	Gust Probe	<u> </u>
Cloud Physics	<u>WILCOGNBY/NOSS</u>	Omega Sonde	<u> </u>
AXBT	<u>BLACK</u>	Sys Eng	<u>DUGRANUT</u>
Hot Film	<u>WILCOGNBY/LOPEZ</u>	Data Tech	<u> </u>
Radar	<u>LEWIS</u>	El Tech	<u>DANIELS</u>
Flt DIR/MET	<u>MCFADDEN</u>	Other	<u> </u>

Time Off 1711ZLocation MIAMI

Time On

Location STU

B. Past and Forecast Storm Position - Observed Positions

Date	Time	Lat	Lon	Date	Time	Lat	Lon	MSLP
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

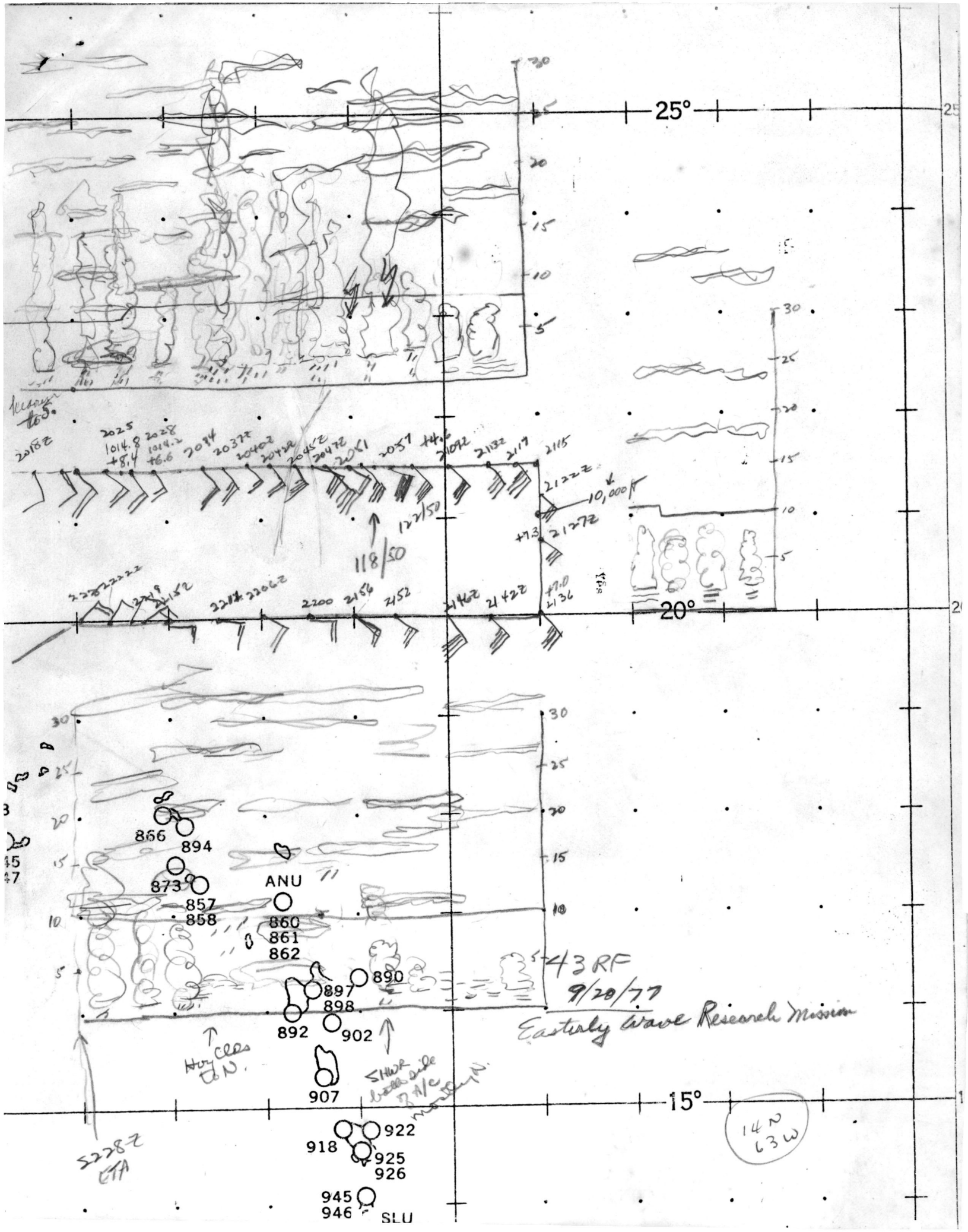
C. Mission Briefing

43RF
9/20/77D. Equipment Status

<u>Equipment</u>	<u>Pre Flt</u>	<u>In Flt</u>	<u>Post Flt</u>	<u>Reports Collect</u>
Aircraft	OK	OK		
Radar	OK	OK		
Cloud Physics	OK	OK		
Data Sys	OK	OK except lightning strike	OK	
Omega Sondes	—			
AXBT	OK	OK	OK	
Gust Probe	—			
Hot Film	OK	OK	OK	
Photography	OK			

REMARKS

off both computers for awhile in flight due to
lightning strike.



NHEML RADAR TAPE LOG

FLIGHT 770920 I AIRCRAFT 43 RF

OPERATOR SHEET OF

1977092011. RADAR

[illegible]