

RADAR PREFLIGHT CHECKLIST

AUG 5 1980

FLIGHT # 19800805H 1 - RADAR

A.C. # 42RF

OPERATOR WIRFEL / PARRISH

RADAR TECH JIM DEGRANERUT

NUMBER OF DIGITAL MAGNETIC TAPES ONBOARD 14+20

NUMBER OF VIDEO TAPES ONBOARD 10+ (First flight w/ NHRL VTR)

NUMBER OF TAPE LABELS ON BOARD 50+

COMPONENT SYSTEMS UP AND CHECKED.

RDSC ✓
COMPUTER ✓
DMTR1 ✓
DMTR2 ✓

VTR OK
DSC1 ✓
DSC2 ✓
SCOPES ✓

NO ✓
LF ✓
TA ✓

Time correction between radar time and digital time +1 sec

RADAR POSTFLIGHT SUMMARY

NUMBER OF DIGITAL TAPES USED DMTR 1 8
DMTR 2 7

NUMBER OF VIDEO TAPES USED 2

SIGNIFICANT RECORDER DOWN TIME (other than for tape changes).

DMTR: LF _____
NO _____
TA _____

VTR: LF _____
NO _____
TA _____

OTHER PROBLEMS: (stabilization, interference, etc.) NONE.

NHRL VTR shorted out when applied power supply.

NHEML RADAR TAPE LOG

AUG 5 1980

FLIGHT 800805H1 AIRCRAFT 42RF

OPERATOR WIRFEL/PARRISH SHEET 1 OF 1

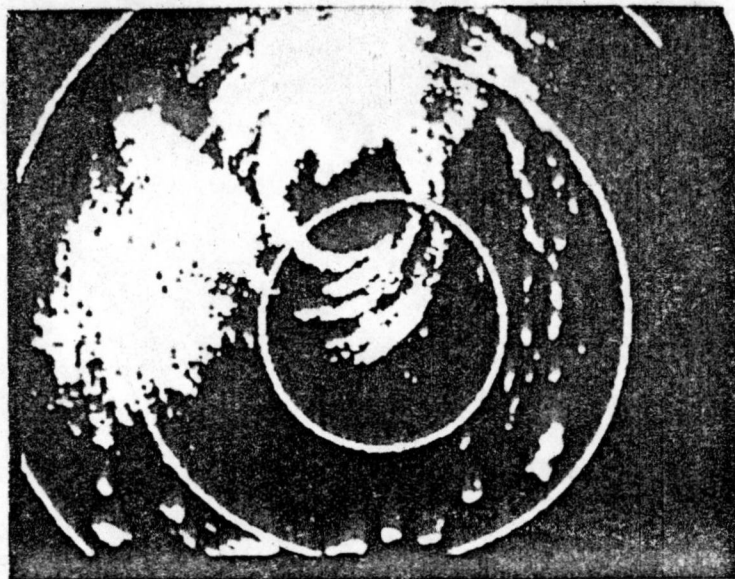
TAPE #	TIME ON <i>1022</i>	TIME OFF	SOURCE RADARS			REWOUND?		COMMENTS
			NO	TA	LF	YES	NO	
1-1	103800	111520		✓	✓		✓	
VTR-1	105200	123940			✓	✓		~ 120240 changed to Tail on DSC-2 121110 - Back to LF on DSC-2 & on VTR
2-1	111525	115110		✓	✓		✓	1150 in eye. Inner eye disrupted
1-2	115115	122625		✓	✓		✓	Outer eye wind max & rad eye agree ~ 40 NM in diameter
2-2	122630	130500		✓	✓		✓	1235Z → 2 nd Pass in eye. Still 40 NM wide some returning center. Also some blue sky above.
VTR-2	124241	134030			✓			VTR failed when connected power supply.
1-3	130505	134020		✓	✓		✓	
2-3	134025	141635		✓	✓		✓	1355 - inner eye reforming, more intense.
1-4	141640	145205		✓	✓		✓	
2-4	145210	152816		✓	✓		✓	
1-5	152820	160700		✓	✓		✓	Outer eye wall dominant
2-5	160705	164400		✓	✓		✓	Levels 4 & 5 common at 15K
1-6	164405	172230		✓	✓		✓	Tremendous slope to eye wall
2-6	172234	175815		✓	✓		✓	
1-7	175820	183320		✓	✓		✓	
2-7	183328	190915		✓	✓			
1-8	190920	192216 191651			✓		✓	1905 → faint Heopaniola
1-8	192301	192544	✓				✓	191904 192103 LF Calib 191649
		NOSE Calibration						
		192328						
		192415						
		192454						

NHEML RADAR LOG

SHEET 1 OF 1

80080541

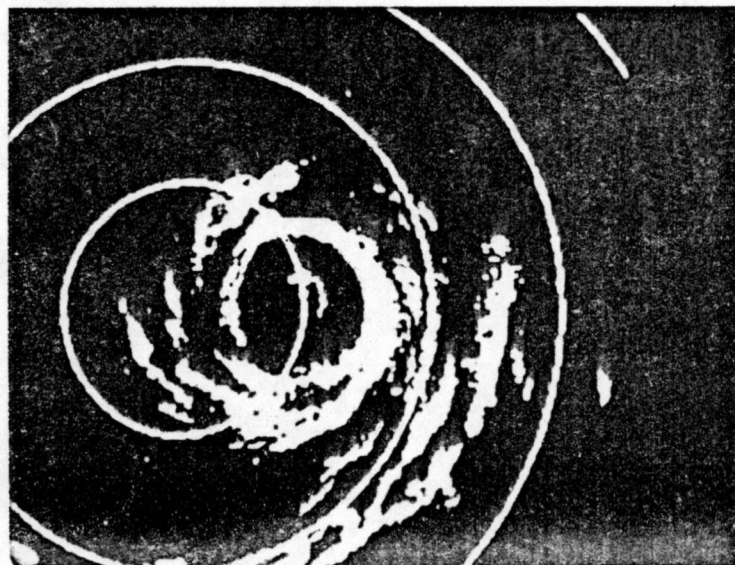
ITEM LIST: VTR, DMTRI, DMTR2, COMP, ROSC, LF, NO, TA, DSCI, DSC2



115930-205.8 -
FIRST APPROACH

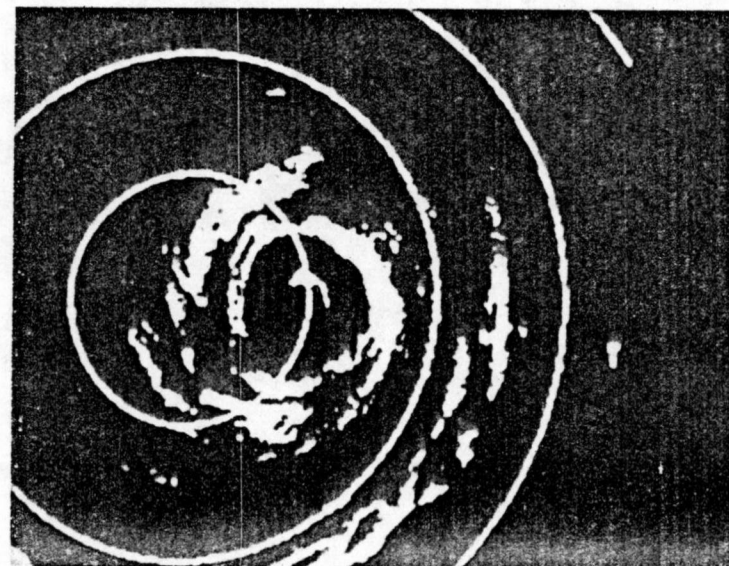


120210-206.0



121430-328.0

42 RF
800805H (1)



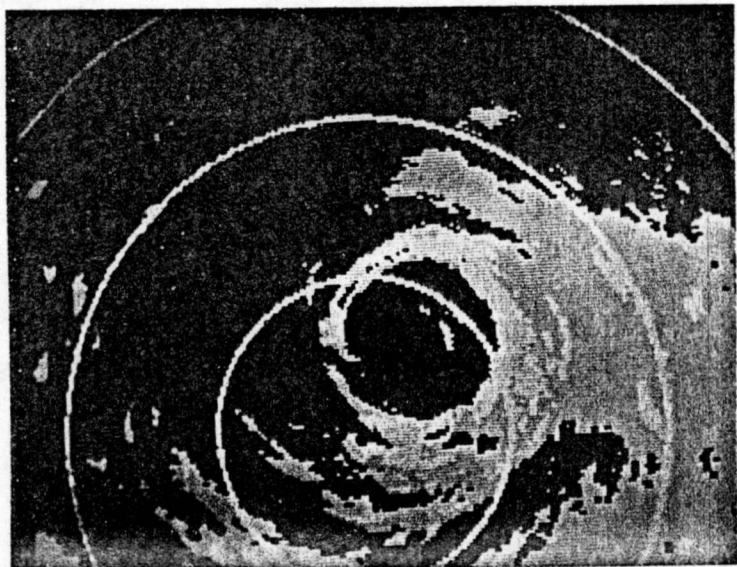
121646-331.5



130110-216.4-+1.0

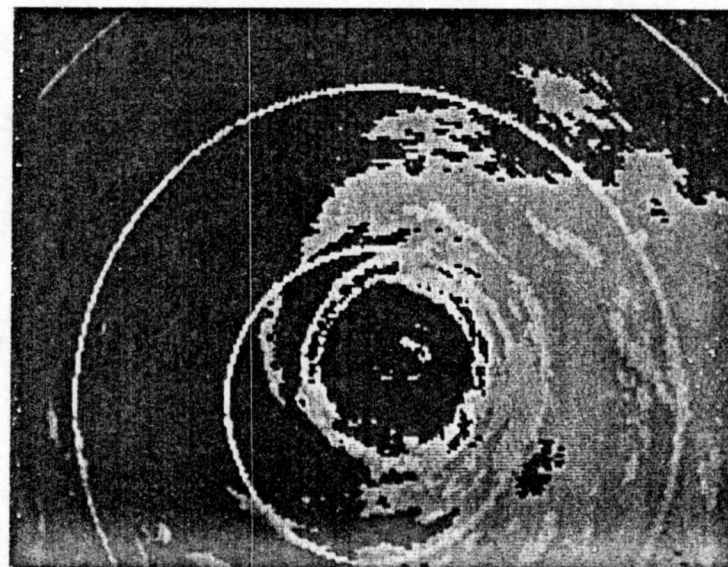


131030-317.0-+0.8

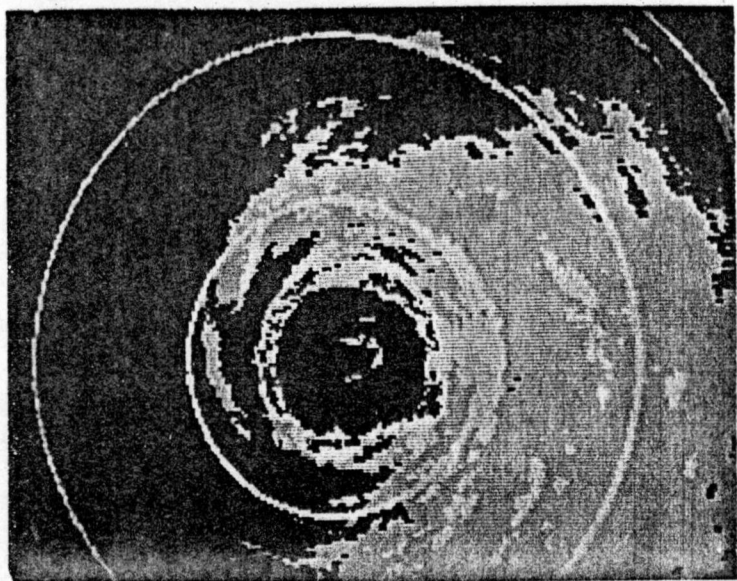


131520-291.0-+0.5

800805H(2)



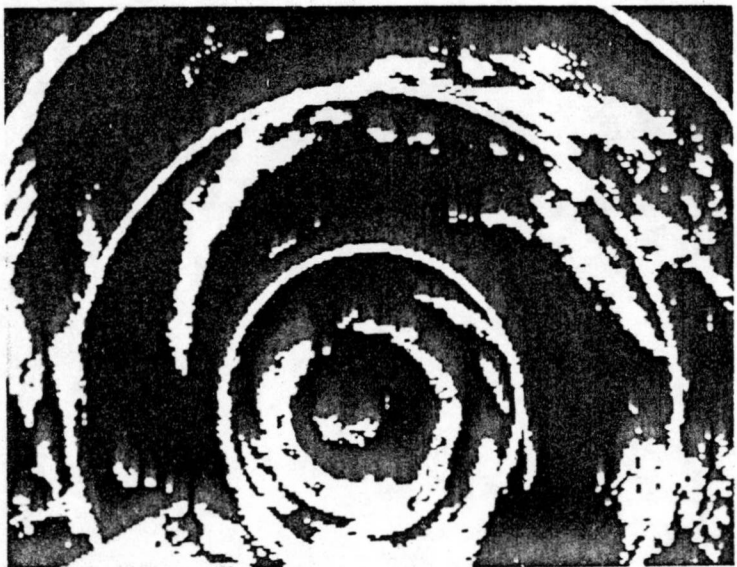
131927-309.0-+0.5
NOTE INNER EYE



132200 - 110 EYE

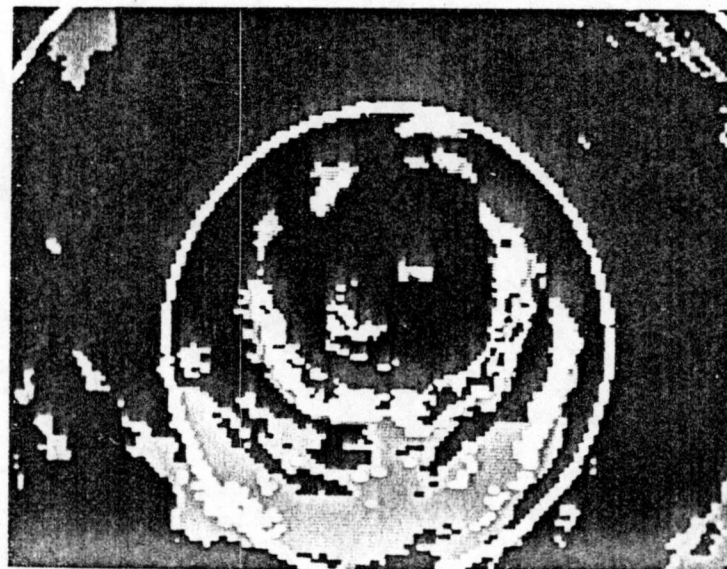


135100/146.8/+0.5

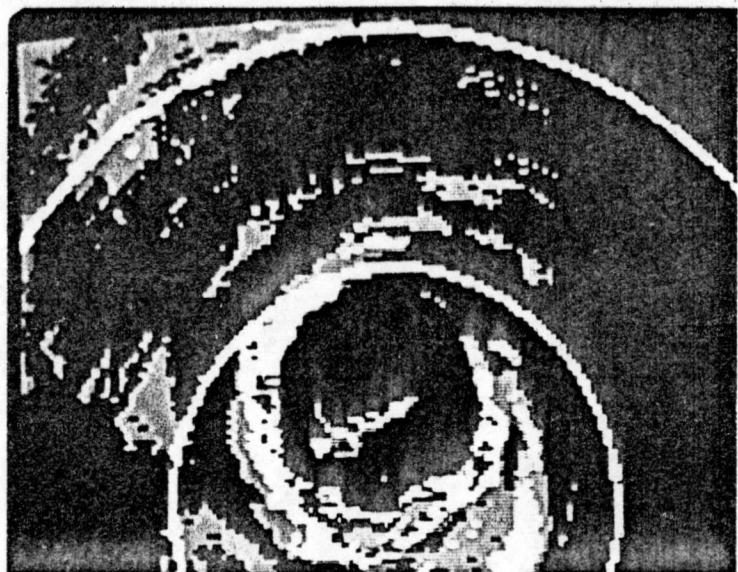


140130/145.0/+0.5

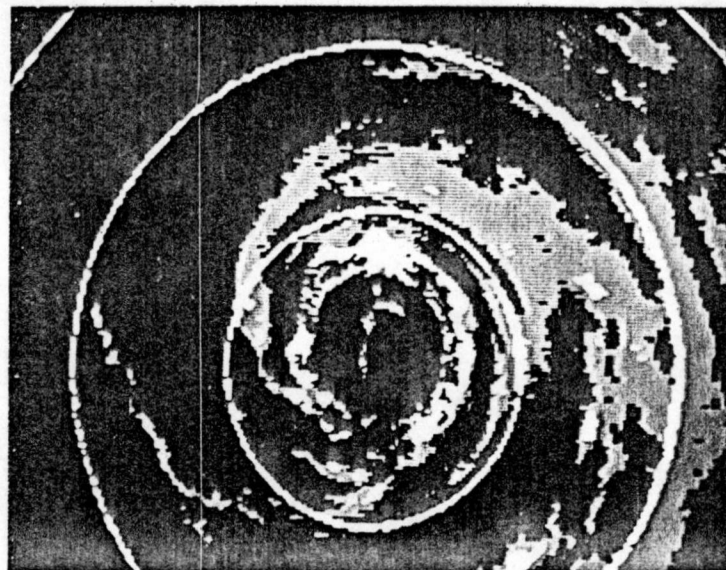
800805H (3)



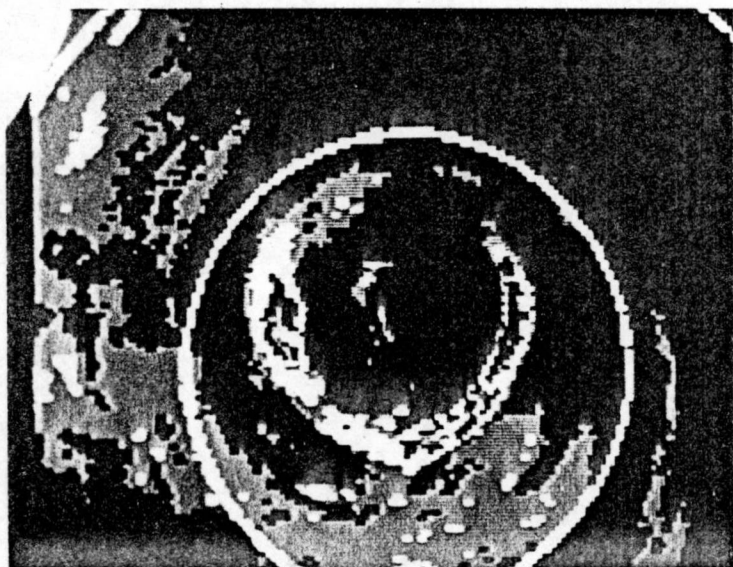
143950/144.0/+0.5



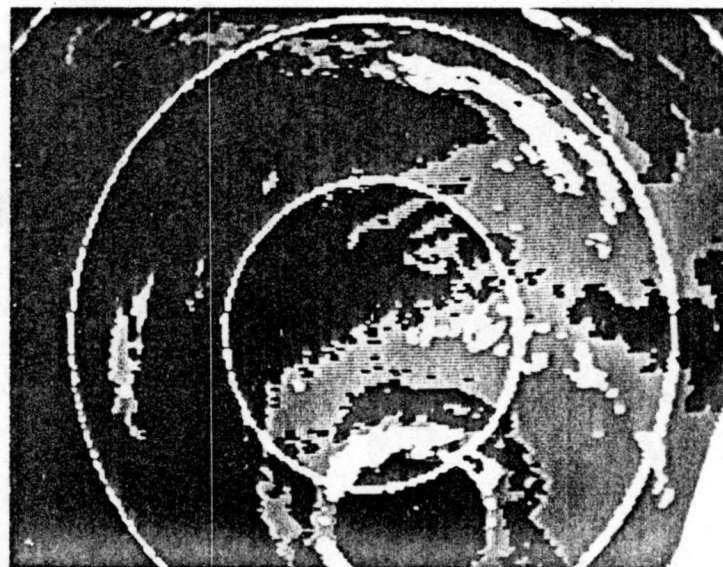
152228/128.0/+1.0



153140/329.0/+1.0

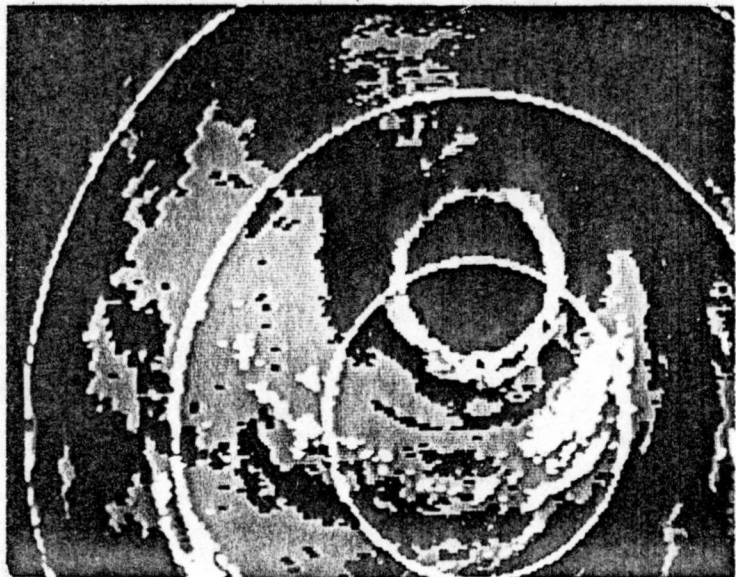


161218/126.0/IN THE EYE

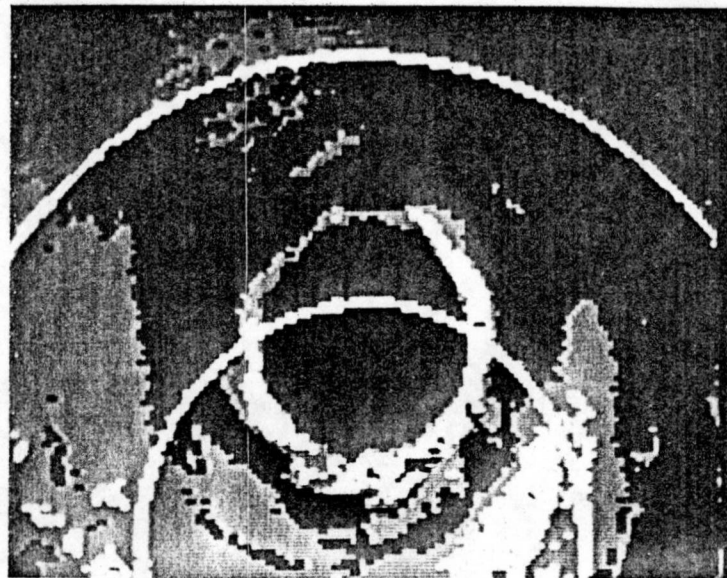


163410/348.0/0.0

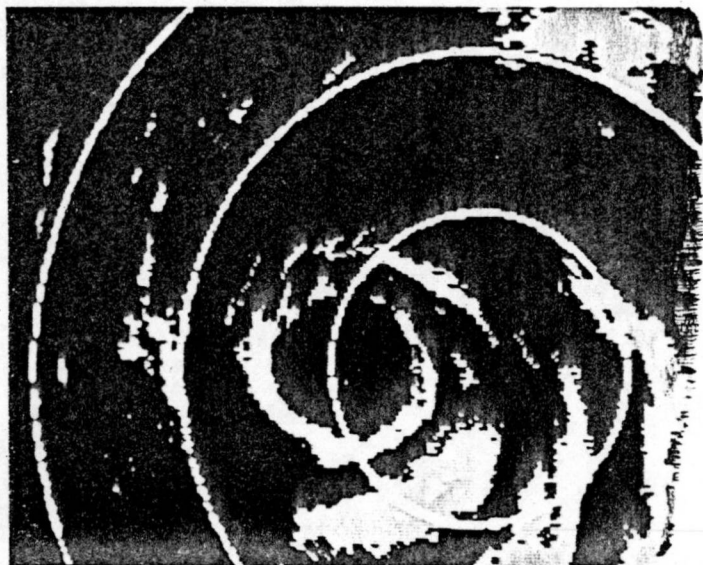
800805H(4)



165230/146.0/-0.2

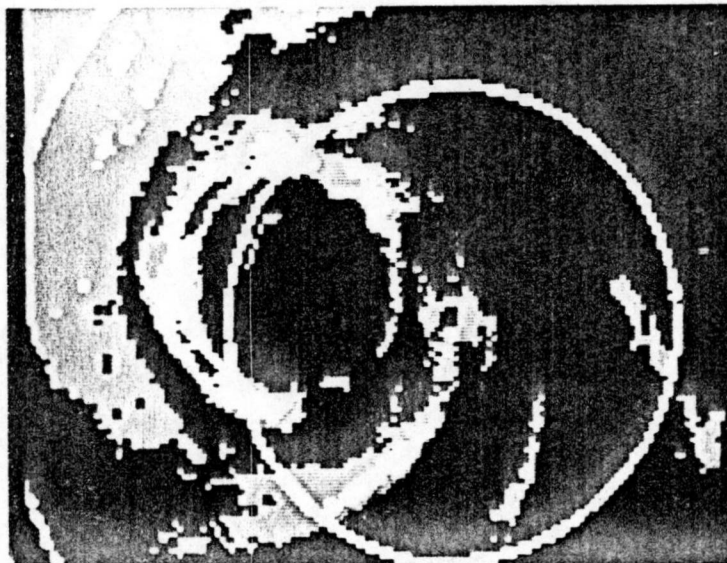


165315/147.0/0.0/3X

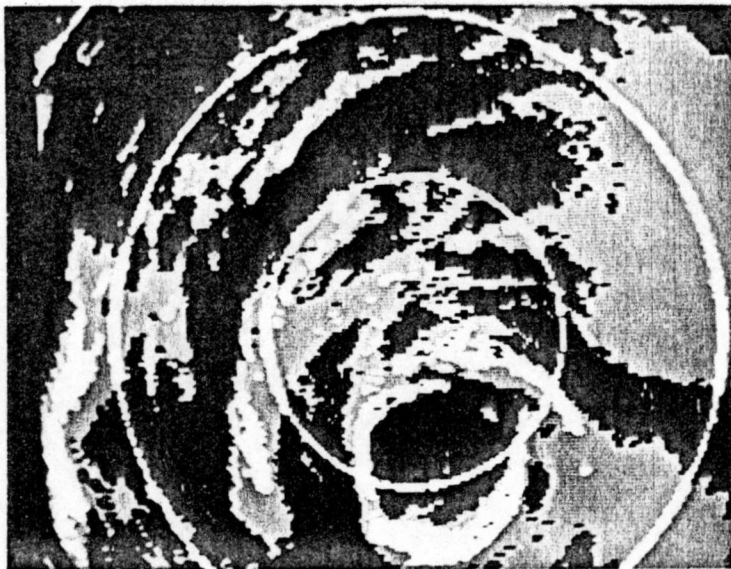


174220/144.0/0.0 UPPER RIGHT

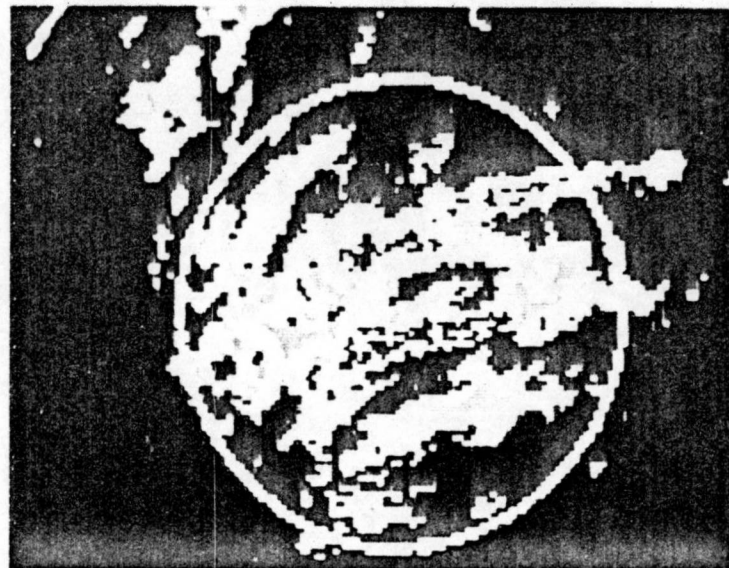
800805H(5)



175145 SHOWING RAINBAND WE FOLLOWED FOR SOME TIME



180720/99.0/0.0



183600/80.0/+3.5
 RAINBOWD USED IN MULTI-
 LEVEL INVESTIGATION

800805H (6)