

## FLIGHT SUMMARY REPORT

**Flight Number:** 96-114  
**Calendar/Julian Date:** 08 May 1996 • 129  
**Sensor Package:** Wild-Heerbrugg RC-10  
High-Resolution Interferometer Sounder (HIS)  
Electro-Optic Camera System (EOC)  
Modis Airborne Simulator (MAS)  
Radiation Measurement System (RAMS)  
Cloud Lidar System (CLS)  
Millimeter-Wave Imaging Radiometer (MIR)  
**Area(s) Covered:** Upper Mid-west States  
**Investigator(s):** Toon, NASA-ARC **Aircraft #:** 709

### SENSOR DATA

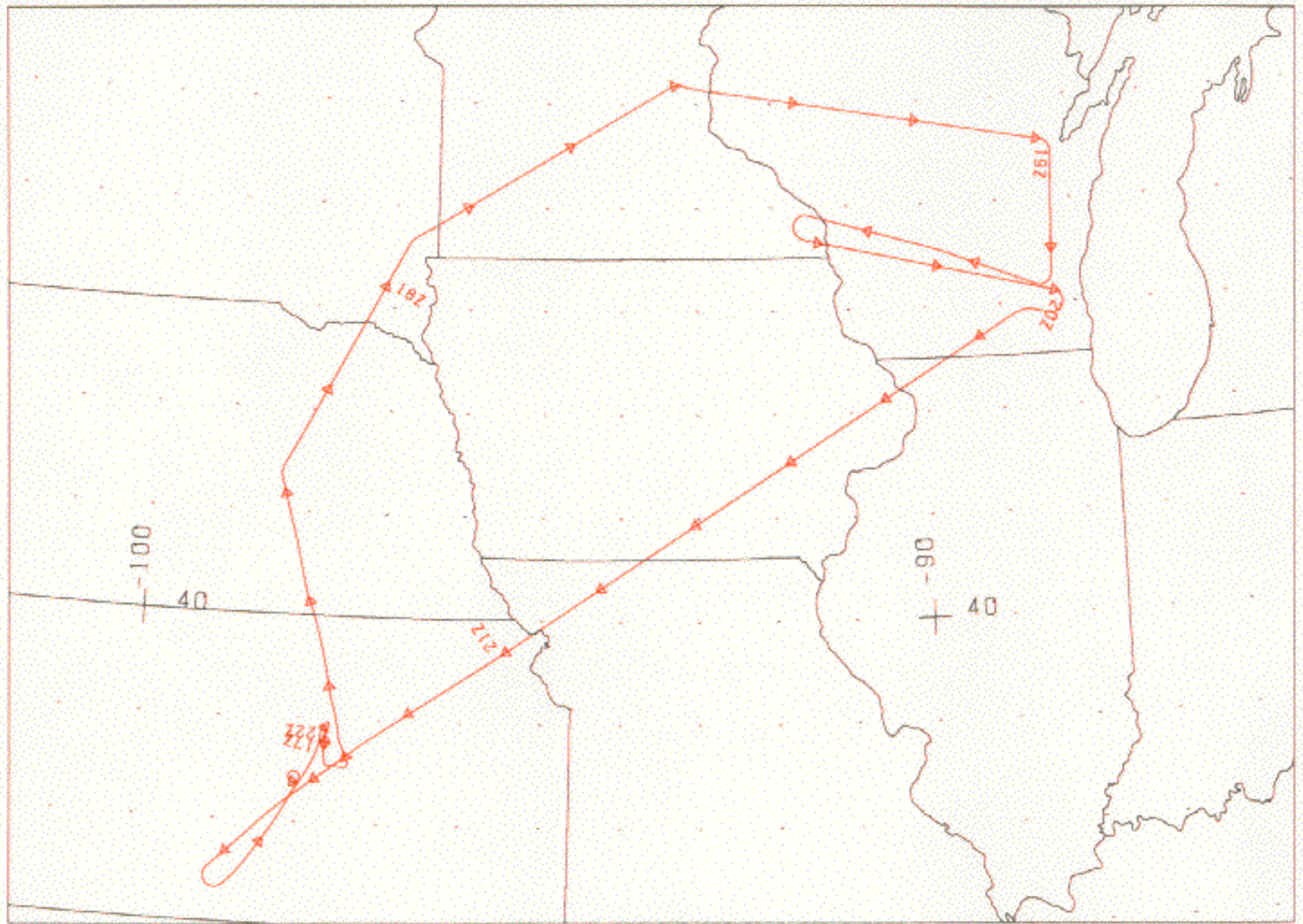
**Accession #:** 05077  
**Sensor ID #:** 035  
**Sensor Type:** RC-10  
**Focal Length:** 6"  
153.46 mm  
**Film Type:** Panatomic X  
Aerographic II, 2412  
**Filtration:** Wratten 12 + 2.2 AV  
**Spectral Band:** 510-700 nm  
**f Stop:** 8  
**Shutter Speed:** 1/200  
**# of Frames:** 135  
**% Overlap:** 60  
**Quality:** Excellent  
**Remarks:** Camera clock offset  
48 seconds from nav data

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 96-114**

Accession # 05077

Sensor # 035

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	1051-1057	18:00:42	18:05:42	63163/19252	100% cumulus
B - C	1058-1082	18:06:41	18:30:17	64058/19525	100% cumulus; oblique (frame 1082)
C - D	1083-1112	18:31:16	18:59:47	64195/19567	90-100% cumulus; oblique (frame 1083)
D - E	1113-1124	19:02:43	19:12:38	64700/19721	100% cumulus
F - G	1125-1143	19:17:17	19:34:03	65052/19828	100% cumulus
H - E	1144-1162	19:42:41	19:59:26	65052/19828	100% cumulus
I - J	1163-1185	20:07:22	20:28:02	65052/19828	50-100% cumulus (frames 1163-1170); 10-40% cirrus and cumulus (frames 1171-1185)



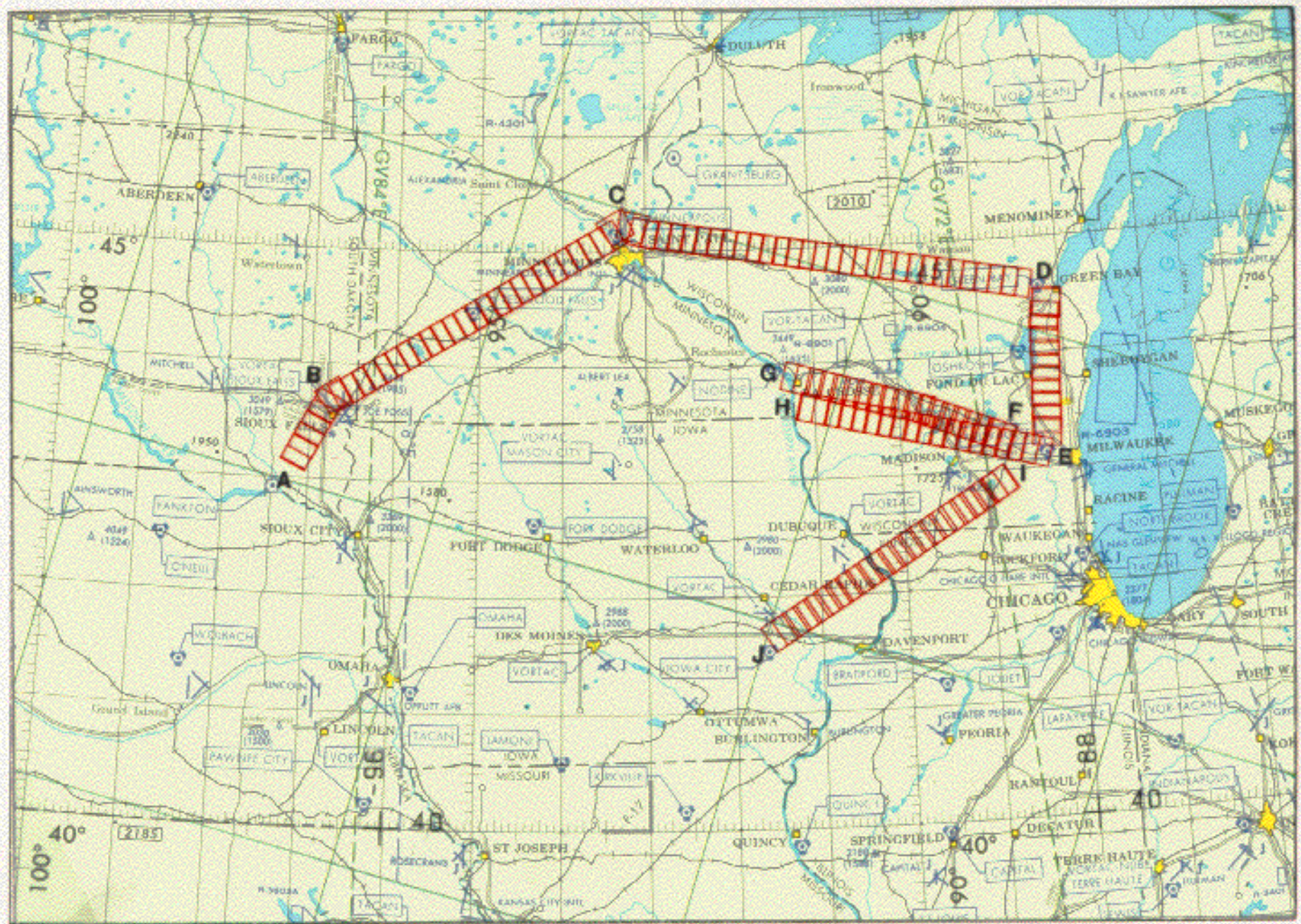
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8 MAY 1996

A/C 709

RC-10 / MAS-50 / HIS / RAMS / CLS / MIR / EOC





FLIGHT 96-114

B MAY 1996

R/C 709

RC-10

GNC 2