

## FLIGHT SUMMARY REPORT

**Flight Number:** 96-106  
**Calendar/Julian Date:** 21 April 1996 • 112  
**Sensor Package:** Wild-Heerbrugg RC-10  
High-Resolution Interferometer Sounder (HIS)  
Modis Airborne Simulator (MAS)  
Radiation Measurement System (RAMS)  
Cloud Lidar System (CLS)  
Millimeter-Wave Imaging Radiometer (MIR)  
**Area(s) Covered:** Oklahoma (CART site)  
**Investigator(s):** Toon, NASA-ARC **Aircraft #:** 709

### SENSOR DATA

**Accession #:** 05068  
**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:** 189  
**% Overlap:** 60  
**Quality:** Excellent  
**Remarks:** Camera clock offset  
2.1 minutes from nav data

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 96-106**

Accession # 05068

Sensor # 035

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Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	8818-8827	17:43:20	17:51:17	61120/18629	100% cirrus and cumulus; oblique (frm. 8827)
C - D	8828-8845	18:02:10	18:17:57	61850/18852	60-100% cirrus and cumulus; contrail (frms. 8832-8833)
E - F	8846-8864	18:24:54	18:41:39	62100/18928	60-100% cirrus and cumulus
G - H	8865-8887	18:46:48	19:07:27	62157/18945	80-100% cirrus and cumulus; contrail (frms. 8875-8886)
I - J	8888-8907	19:13:18	19:31:01	62705/19112	70-100% cirrus and cumulus
K - L	8908-8929	19:36:35	19:56:15	62732/19121	50-100% cirrus and cumulus; contrail (frms. 8920-8928); oblique (frames 8918-8920); emulsion abrasion (frame 8923)
M - N	8930-8949	20:00:50	20:18:32	63500/19355	50-90% cirrus and cumulus; contrail (frames 8932-8933)
O - P	8950-8973	20:22:53	20:43:51	63567/19375	60-100% cirrus; towering cumulus (frames

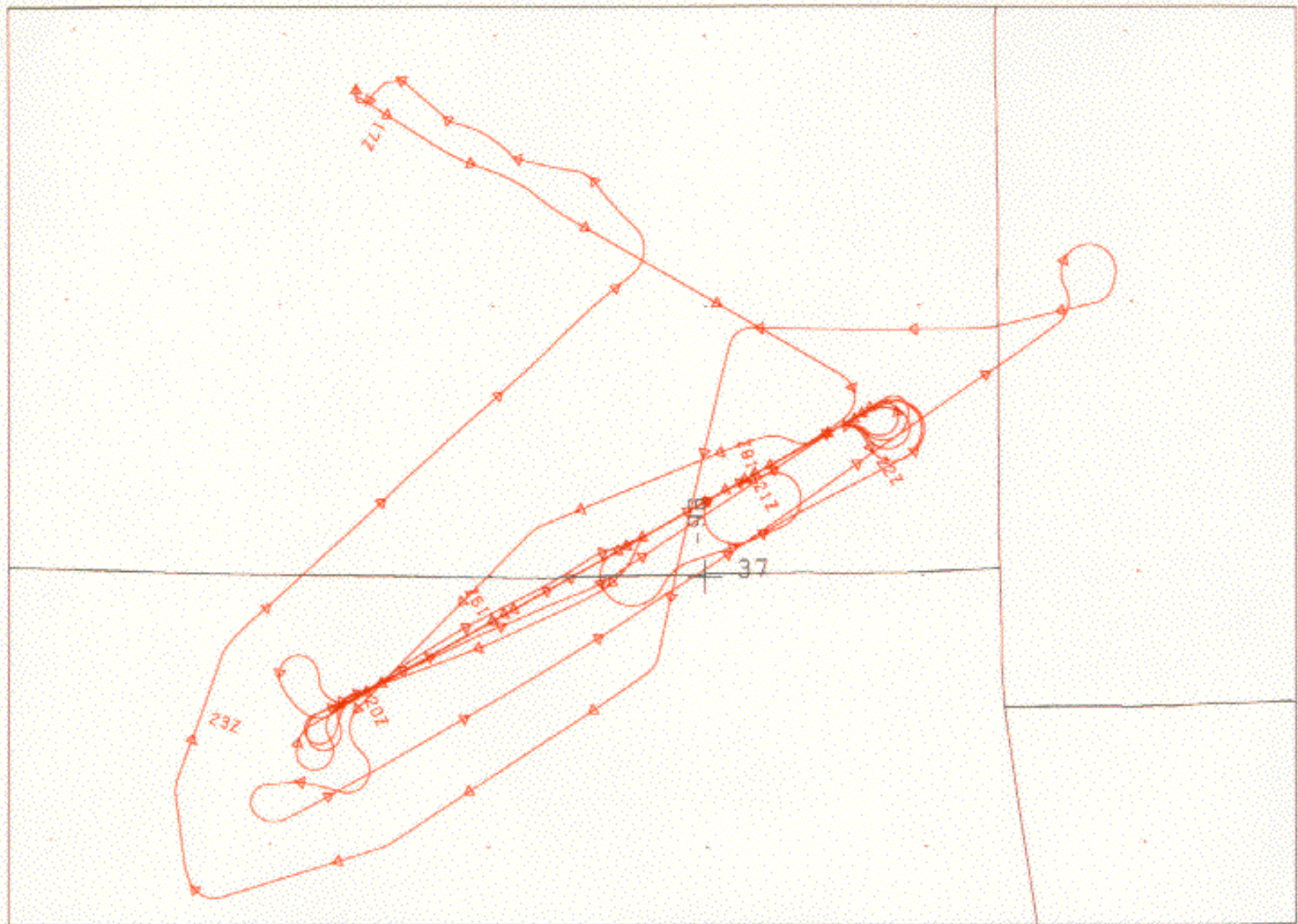
**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 96-106**

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Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
Q - R	8974-8997	20:46:26	21:06:36	64021/19514	60-100% cumulus and cirrus; contrail (frms. 8979-8984); oblique (frames 8996-8997)
S - T	8998-9006	21:11:09	21:18:05	63911/19480	80-100% cumulus and cirrus; contrail (frms. 9005-9006); oblique (frames 9002-9003)

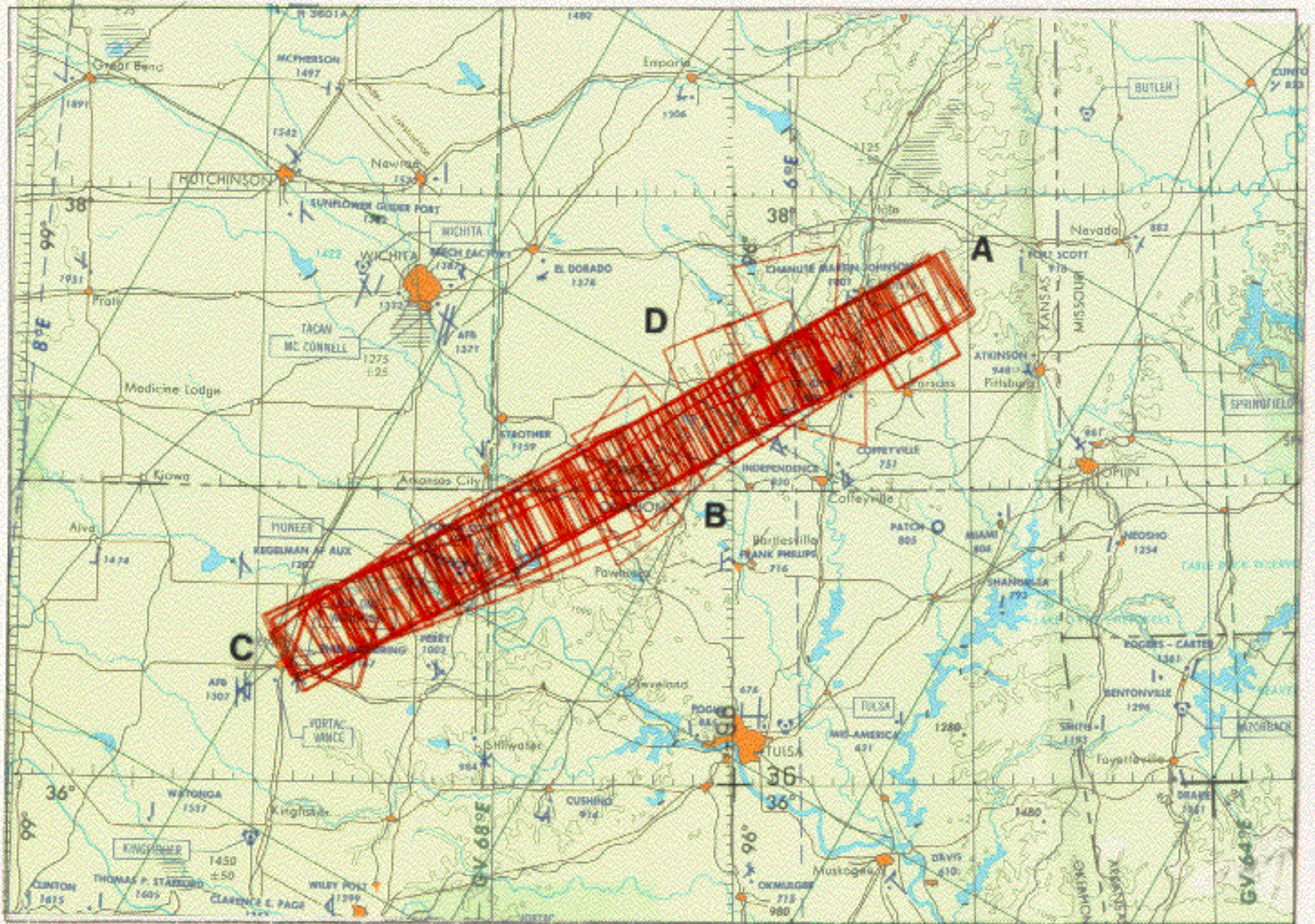


FLIGHT 96-106

21 APRIL 1996

A/C 709

HA5-50 / RC-10 / MIR / HIS / CLS / RAMS



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