

## FLIGHT SUMMARY REPORT

**Flight Number:** 96-105  
**Calendar/Julian Date:** 20 April 1996 • 111  
**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 #:** 05067  
**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:** 260  
**% Overlap:** 60  
**Quality:** Excellent  
**Remarks:** Camera clock offset  
2.1 minutes from nav data

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 96-105**

Accession # 05067

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	8548-8569	15:49:18	16:08:59	62273/18981	Minor-30% cirrus (frames 8548-8559 and 8565-8568); contrail (frame 8558)
B - C	8570-8593	16:15:49	16:37:27	62967/19192	Minor-40% cirrus; contrail (frames 8587-8588); oblique (frame 8590)
C - D	8594-8620	16:43:48	17:08:21	63607/19387	10-20% cirrus
E - F	8621-8640	17:13:29	17:31:11	63880/19471	Minor-10% cirrus (frames 8601-8606); 20-80% cirrus (frames 8607-8620)
F - G	8641-8661	17:37:05	17:55:43	63948/19491	30-80% cirrus (frames 8621-8637); minor-20% cirrus (frames 8638-8640)
G - F	8662-8682	18:01:09	18:19:46	64462/19648	Minor-10% cirrus (frames 8641-8643); 30-100% cirrus (frames 8644-8661)
F - G	8683-8703	18:25:10	18:43:47	64424/19636	60-100% cirrus
G - F	8704-8723	18:49:19	19:06:56	64785/19746	40-90% cirrus; contrail (frames 8683-8694)
F - G	8724-8745	19:13:00	19:32:34	64941/19794	40-100% cirrus

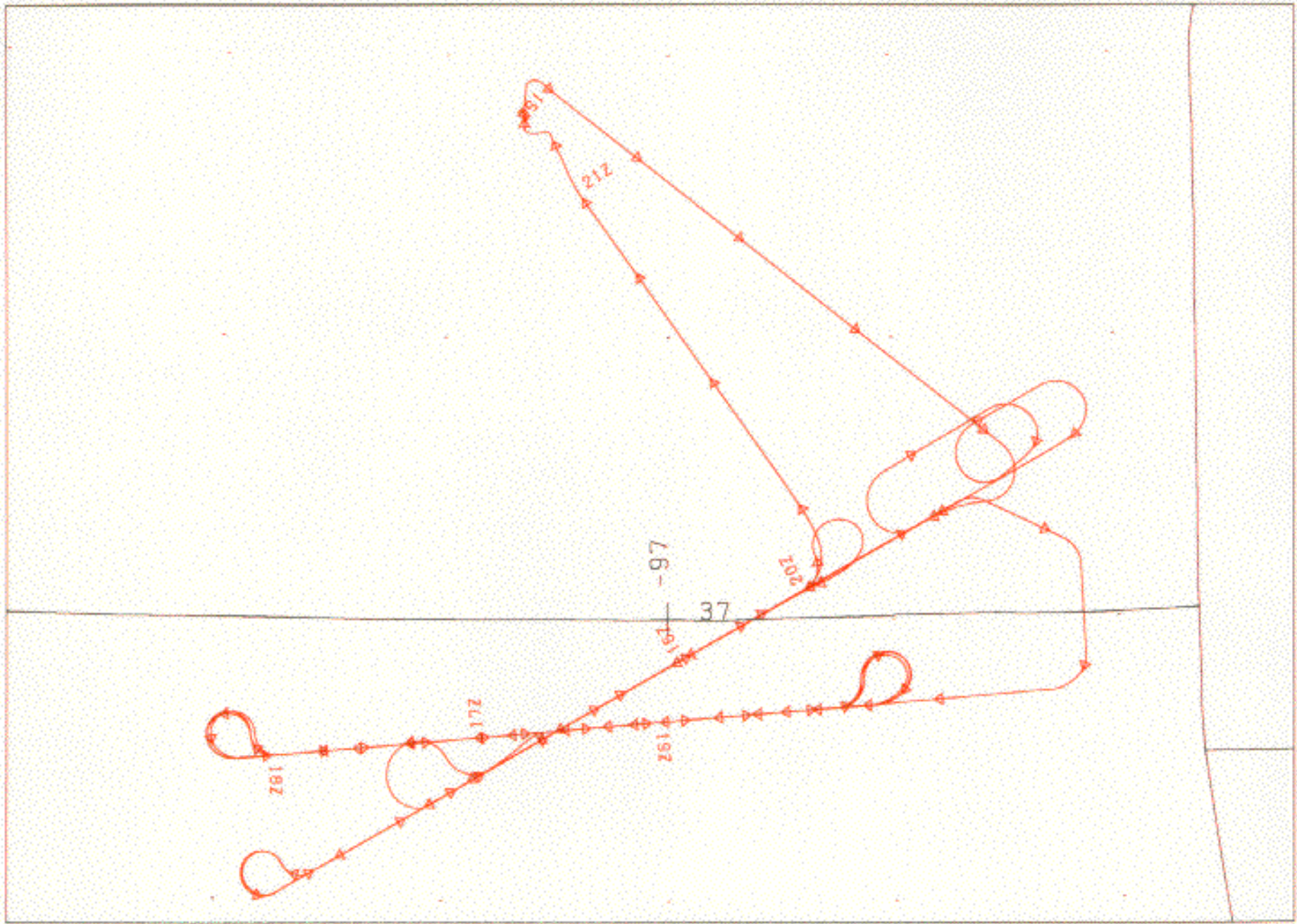
**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 96-105**

Accession # 05067

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Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
G - H	8746-8765	19:37:28	19:55:06	64490/19657	20-90% cirrus; contrail (frame 8728)
H - B	8766-8787	20:00:50	20:20:24	64655/19707	10-50% cirrus
B - I	8788-8807	20:25:32	20:43:10	64875/19774	20-70% cirrus; contrail (frames 8756-8757 and 8761-8763)
I - B	8788-8807	20:25:32	20:43:10	64875/19774	10-70% cirrus
B - I	8788-8807	20:25:32	20:43:10	64875/19774	10-90% cirrus; contrail (frame 8799)

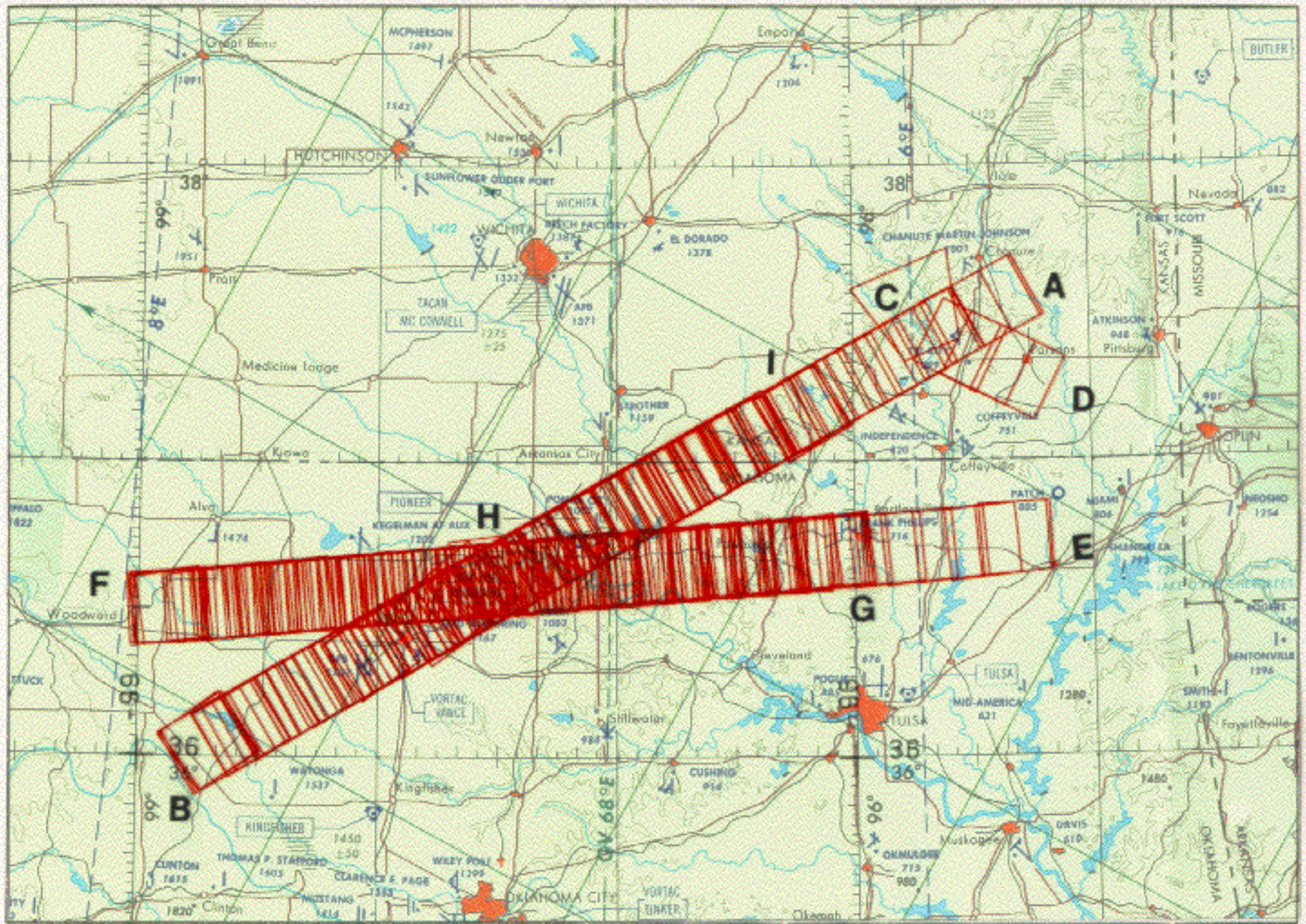


FLIGHT 96-105

20 APRIL 1996

R/C 709

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



FLIGHT 96-105

20 APRIL 1996

A/C 709

RC-10

JNC 44