# FLIGHT SUMMARY REPORT

**Flight Number:** 96-102

**Calendar/Julian Date:** 13 April 1996 • 104

**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 #:** 05064

**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:** 69

**% Overlap:** 60

**Quality:** Good

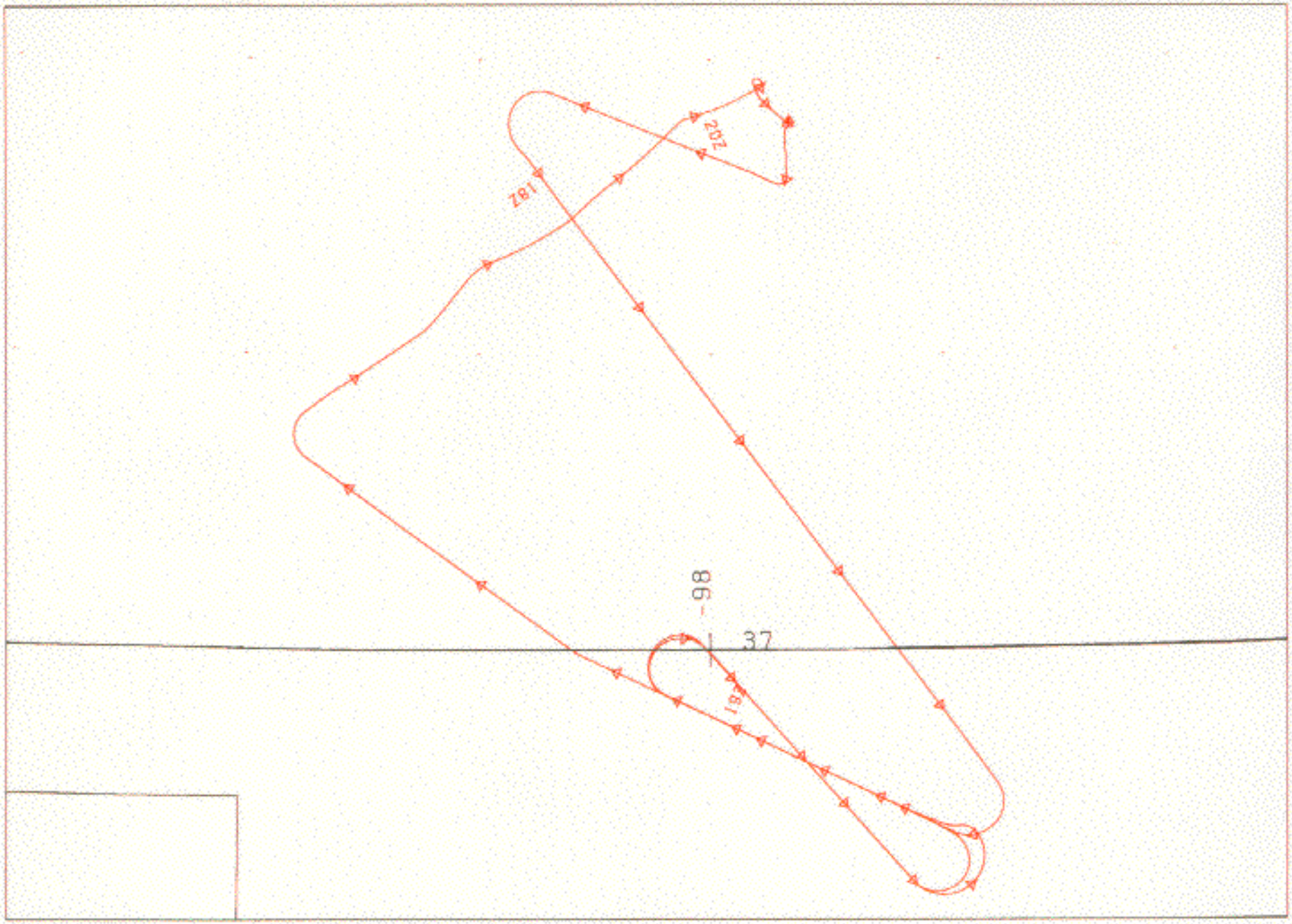
**Remarks:** Camera clock offset
2.0 minutes from nav data

# CAMERA FLIGHT LINE DATA
# FLIGHT NO. 96-102

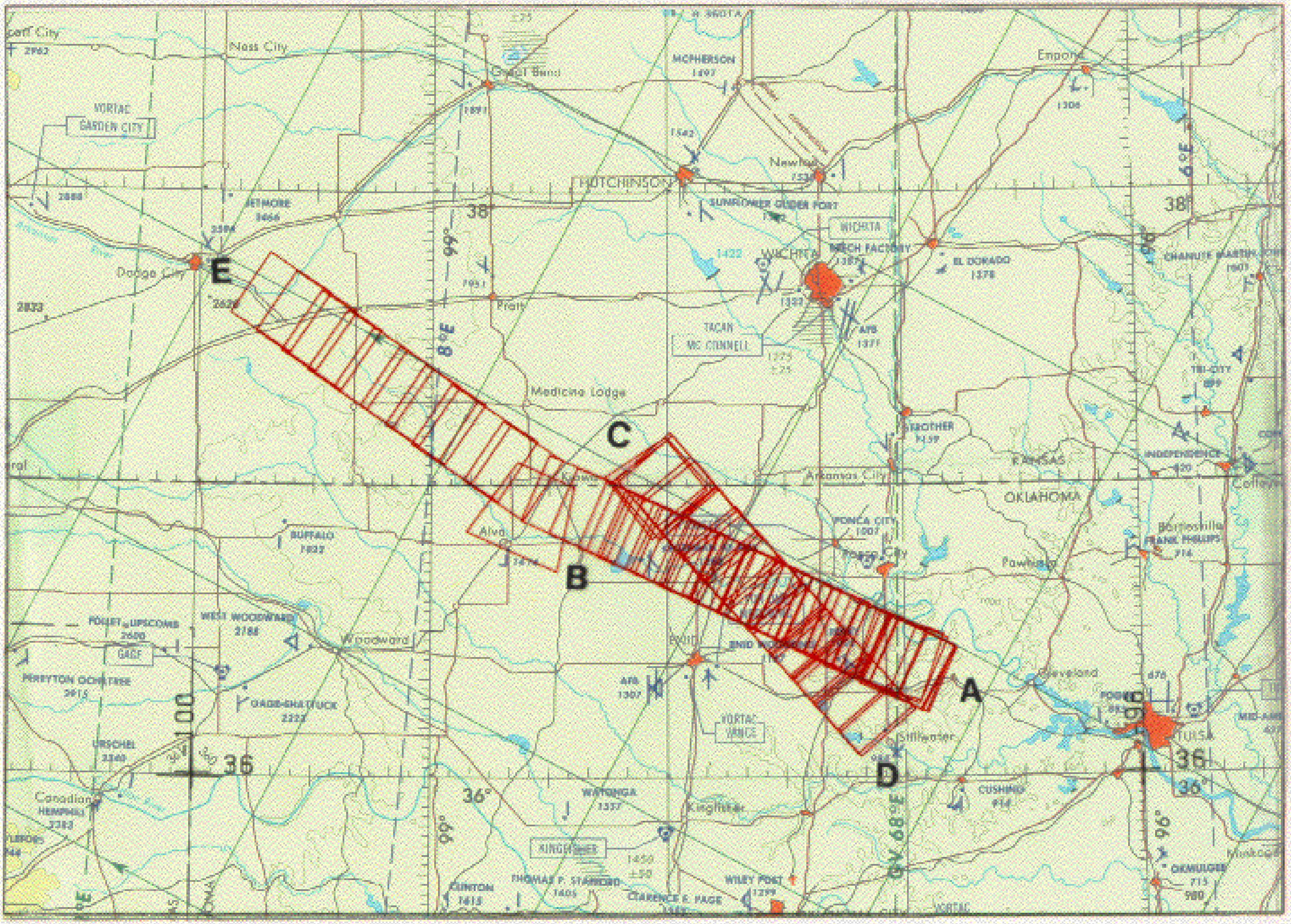
**Accession #** 05064

**Sensor #** 035

| Check Points | Frame Numbers | Time (GMT-hr, min, sec) START | Time (GMT-hr, min, sec) END | Altitude, MSL feet/meters | Cloud Cover/Remarks |
|---|---|---|---|---|---|
| A - B | 8103-8113 | 18:27:35 | 18:36:30 | 65755/20042 | Clear |
| C - D | 8114-8124 | 18:40:35 | 18:49:30 | 64927/19790 | Clear |
| A - B | 8125-8135 | 18:54:43 | 19:03:37 | 64927/19790 | Clear |
| C - D | 8136-8146 | 19:07:33 | 19:16:27 | 65036/19823 | Clear |
| A - B | 8147-8161 | 19:20:11 | 19:32:59 | 65076/19835 | Clear; oblique (frame 8161) |
| B - E | 8162-8171 | 19:33:58 | 19:42:46 | 65076/19835 | 20-90% scattered cumulus and cirrus (frames 8163-8171) |




FLIGHT 96-102 13 APRIL 1996 R/C 709 MAS-50 / RC-10 / MIR / HIS / CLS / RAMS

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