

FLIGHT SUMMARY REPORT

Flight Number: 96-113
Calendar/Julian Date: 07 May 1996 • 128
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: Nebraska
Investigator(s): Toon, NASA-ARC **Aircraft #:** 709

SENSOR DATA

Accession #: 05076
Sensor ID #: 076
Sensor Type: RC-10
Focal Length: 12"
304.89 mm
Film Type: Panatomic X
Aerographic II, 2412
Filtration: Wratten 12
Spectral Band: 510-700 nm
f Stop: 11
Shutter Speed: 1/275
of Frames: 359
% Overlap: 60
Quality: Excellent
Remarks: Camera clock offset
4.6 seconds from nav data

CAMERA FLIGHT LINE DATA
FLIGHT NO. 96-113

Accession # 05076

Sensor # 076

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Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	0213-0220	18:57:18	19:00:12	62150/18943	100% cumulus; contrail (frames 0213-0215)
C - D	0221-0248	19:05:51	19:18:15	62375/19012	60-100% cumulus and cirrus
D - A	0249-0289	19:26:05	19:44:10	63517/19360	50-100% cirrus and cumulus; very thin contrail (frames 0281-0285)
A - D	0290-0335	19:50:29	20:11:24	63863/19465	50-100% cirrus and cumulus (frames 0290-0324 and 0329-0335); 20-30% cirrus and cumulus (frames 0325-0328); very thin contrail (frames 0295-0297); oblique (frame 0295)
D - A	0336-0382	20:16:37	20:38:01	64526/19668	50-100% cirrus and cumulus (frames 0336-0349); 30-40% cirrus and cumulus (frames 0350-0355); 80-100% cirrus and cumulus (frames 0356-0382); contrails (frames 0354-0356); oblique (frame 0363)
A - D	0383-0432	20:45:14	21:08:03	64876/19774	40-100% cirrus and cumulus (frames 0383-0429); 20-30% cirrus (frames 0430-0432); contrails (frames 0390-0410)

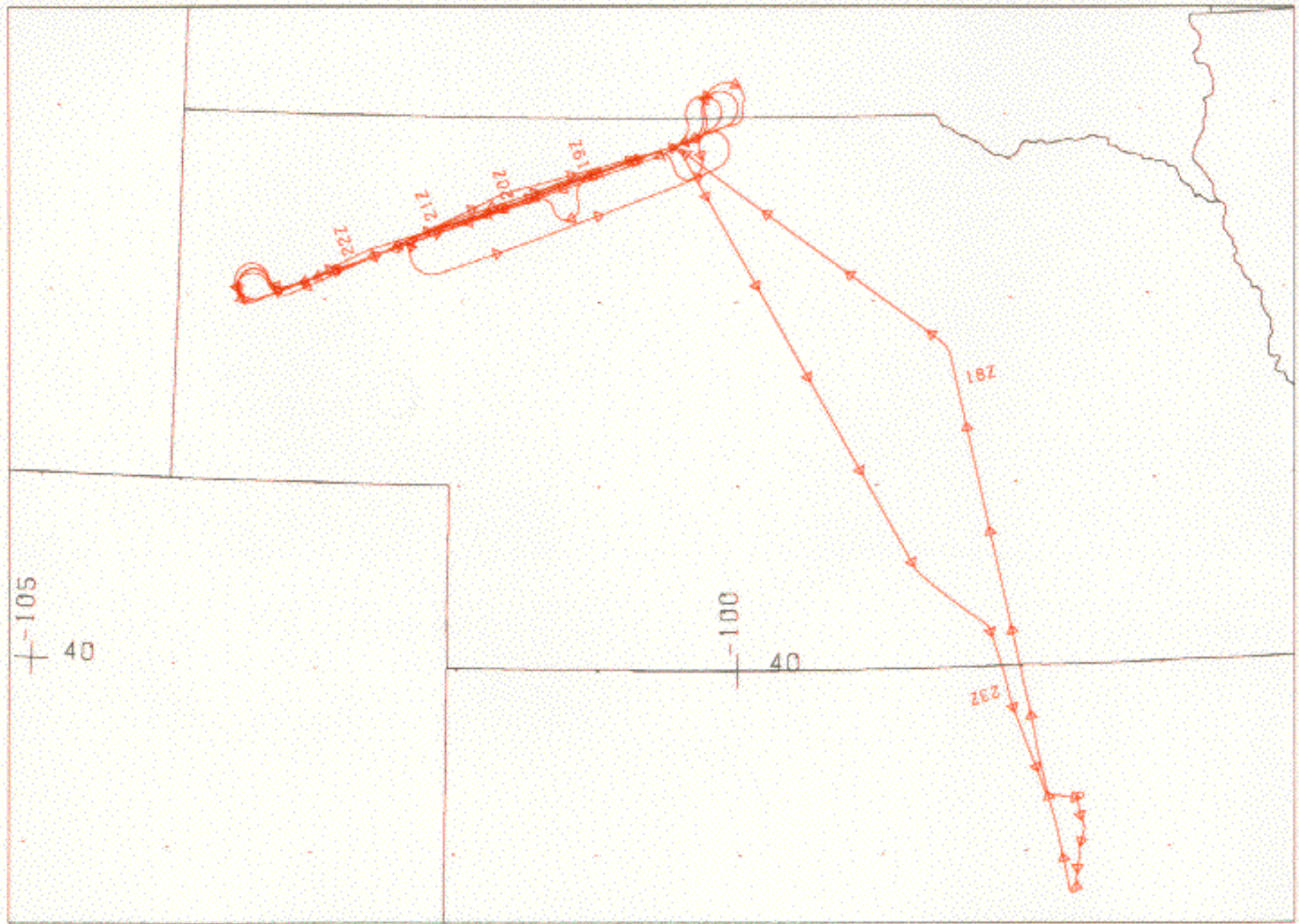
CAMERA FLIGHT LINE DATA
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Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
D - A	0433-0478	21:13:57	21:34:53	64470/19650	70-90% cirrus (frames 0433-0438); 10-40% cirrus (frames 0439-0441); 50-100% cirrus and cumulus (frames 0442-0478); contrail (frame 0470-0472); oblique (frame 0457)
A - D	0479-0527	21:41:11	22:03:31	65027/19820	50-100% cumulus and cirrus (frames 0479-0508); 20-40% cirrus and cumulus (frames 0509-0511); 70-100% cirrus (frames 0512-0527)
D - A	0528-0571	22:08:30	22:28:27	64566/19680	40-100% cirrus and cumulus; oblique (frames 0533 and 0540)

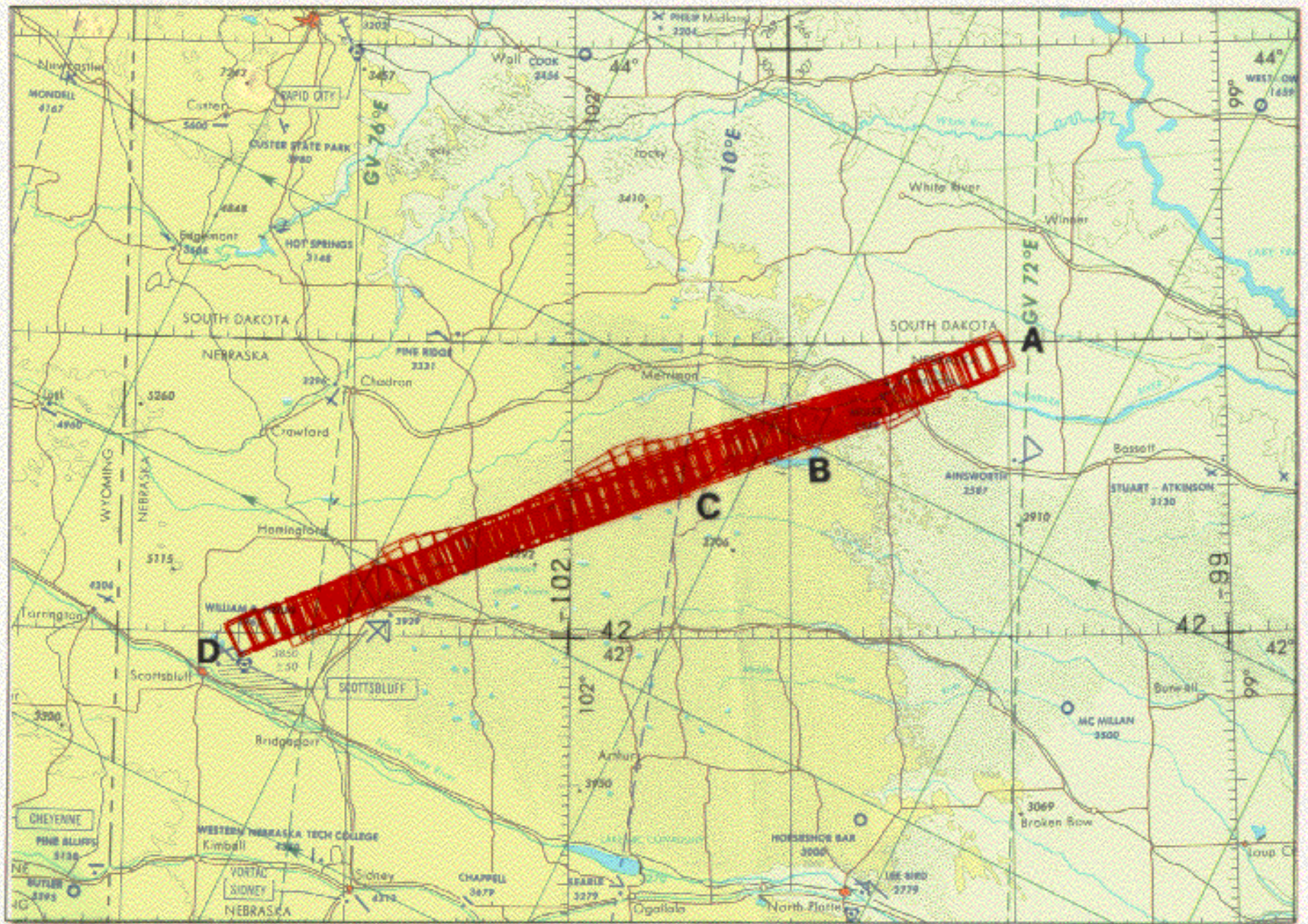


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R/C 709

RC-10 / MAS-50 / HIS / RAMS / CLS / M1R / EDC



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R/C 709

RC-10

JNC 44