

FLIGHT SUMMARY REPORT

Flight Number: 96-112
Calendar/Julian Date: 04 May 1996 • 125
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: Oklahoma (CART site)
Investigator(s): Toon, NASA-ARC **Aircraft #:** 709

SENSOR DATA

Accession #: 05075
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: 309
% Overlap: 60
Quality: Excellent
Remarks: Camera clock offset
4.6 seconds from nav data

CAMERA FLIGHT LINE DATA
FLIGHT NO. 96-112

Accession # 05075

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	9892-9907	17:32:51	17:39:57	62344/19002	60-100% cirrus and cumulus
C - D	9908-9928	17:43:33	17:53:00	63029/19211	20-100% cirrus and cumulus
E - F	9929-9936	18:00:56	18:06:08	63533/19365	30-70% cumulus
F - G	9937-9940	18:12:44	18:52:07	64261/19587	10-20% cumulus
H - I	9941-9968	18:56:47	19:01:06	64400/19629	10-30% cumulus (frames 9941-9948); 40-100% cirrus and cumulus (frames 9949-9968); contrail (frames 9953-9961)
I - J	9969-9975	19:03:45	19:23:33	65030/19821	100% cumulus and cirrus; oblique frames
J - K	9976-0017	19:26:51	19:42:53	65360/19922	40-100% cumulus and cirrus (frames 9976-0003 and 0006-0010); 10-30% cumulus (frames 0004-0005 and 0011-0017); oblique (frames 0016-0017); thin contrail (frame 9980)
K - L	0018-0025	19:44:41	19:47:02	65483/19959	40-50% cumulus; oblique (frms. 0018-0019)

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Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
M - N	0026-0036	19:51:18	19:54:40	65122/19849	40-60% cumulus
F - I	0037-0079	20:02:47	20:08:30	65364/19923	Minor cumulus (frames 0037-0038 and 0047); 10-50% cirrus and cumulus (frames 0048-0074); 70-100% cirrus and cumulus (frames 0075-0079); oblique (frame 0079); contrail (frames 0051-0059, 0065-0074, and 0077-0079)
J - K	0080-0114	20:24:01	20:42:27	66190/20175	40-100% cirrus and cumulus (frames 0080-0106); 10-30% cumulus (frames 0107-0114); contrail (frames 0080-0100)
G - L	0115-0120	20:44:45	20:45:47	66600/20300	40% cumulus
O - F	0121-0129	20:47:39	20:52:26	66392/20236	Minor-60% cumulus
F - H	0130-0143	20:47:39	20:52:26	66392/20236	Minor-20% cumulus (frames 0138-0143); contrail throughout

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Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
J - K	0144-0184	20:47:39	20:52:26	66392/20236	50-60% cirrus and cumulus (frames 0144-0145); minor-40% cumulus (frames 0146-0176); 10% cumulus (frame 0184); contrail (frames 0144-0148 and 0164-0180); oblique (frame 0152)
K - P	0185-0188	20:47:39	20:52:26	66392/20236	30-40% cumulus
P - Q	0189-0200	20:47:39	20:52:26	66392/20236	70-80% cumulus

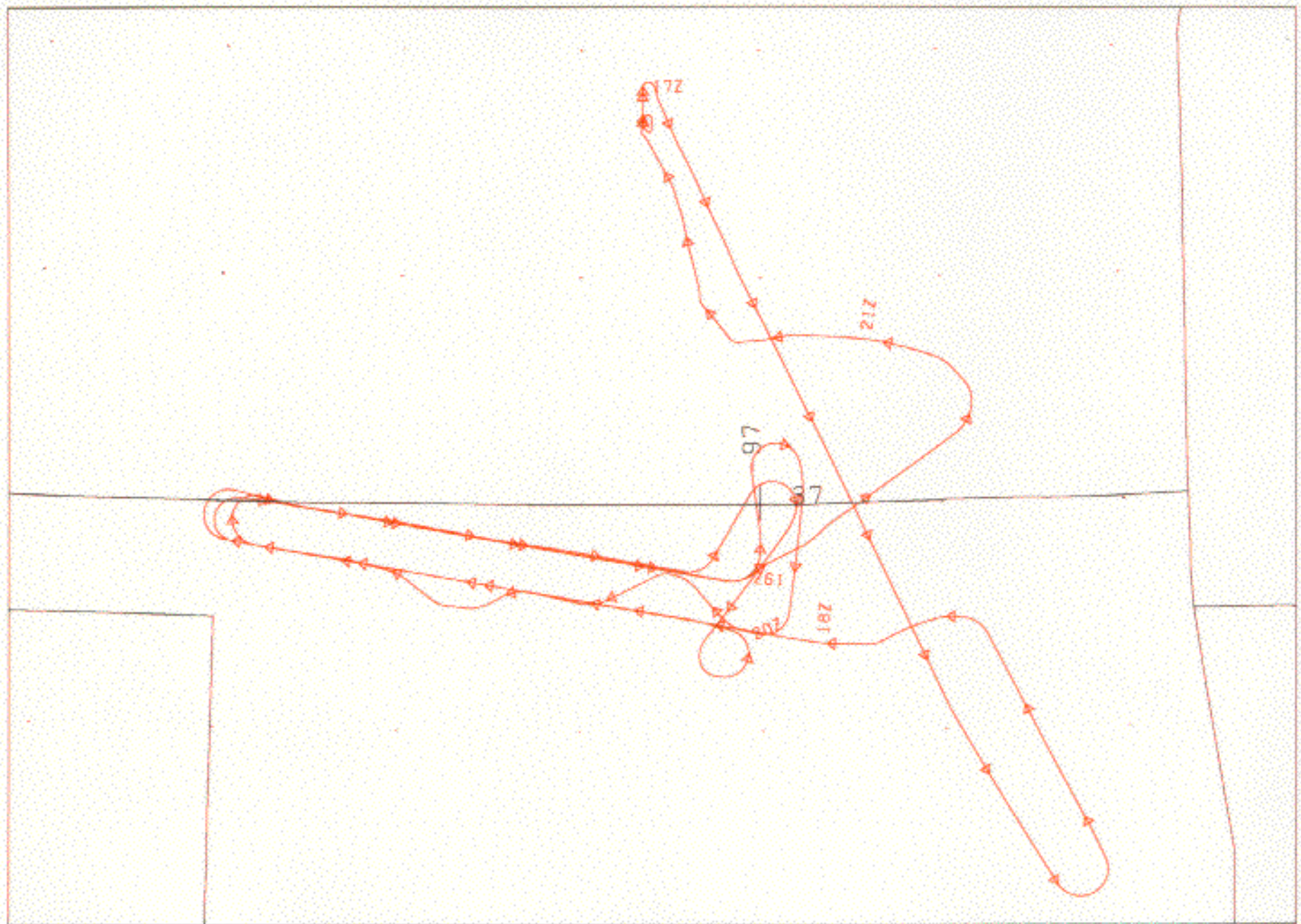
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FLIGHT NO. 96-112

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		START	END		
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F - I	0037-0079	20:02:47	20:08:30	65364/19923	Minor cumulus (frames 0037-0038 and 0047); 10-50% cirrus and cumulus (frames 0048- 0074); 70-100% cirrus and cumulus (frames 0075-0079); oblique (frame 0079); contrail (frames 0051-0059, 0065-0074, and 0077 0079)
J - K	0080-0114	20:24:01	20:42:27	66190/20175	40-100% cirrus and cumulus (frames 0080- 0106); 10-30% cumulus (frames 0107- 0114); contrail (frames 0080-0100)
G- L	0115-0120	20:44:45	20:45:47	66600/20300	40% cumulus
O - F	0121-0129	20:47:39	20:52:26	66392/20236	Minor-60% cumulus
F - H	0130-0143	20:47:39	20:52:26	66392/20236	Minor-20% cumulus (frames 0138-0143); contrail throughout

J - K	0144-0184	20:47:39	20:52:26	66392/20236	50-60% cirrus and cumulus (frames 0144-0145); minor-40% cumulus (frames 0146-0176); 10% cumulus (frame 0184); contrail (frames 0144-0148 and 0164-0180); oblique (frame 0152)
K - P	0185-0188	20:47:39	20:52:26	66392/20236	30-40% cumulus
P - Q	0189-0200	20:47:39	20:52:26	66392/20236	70-80% cumulus

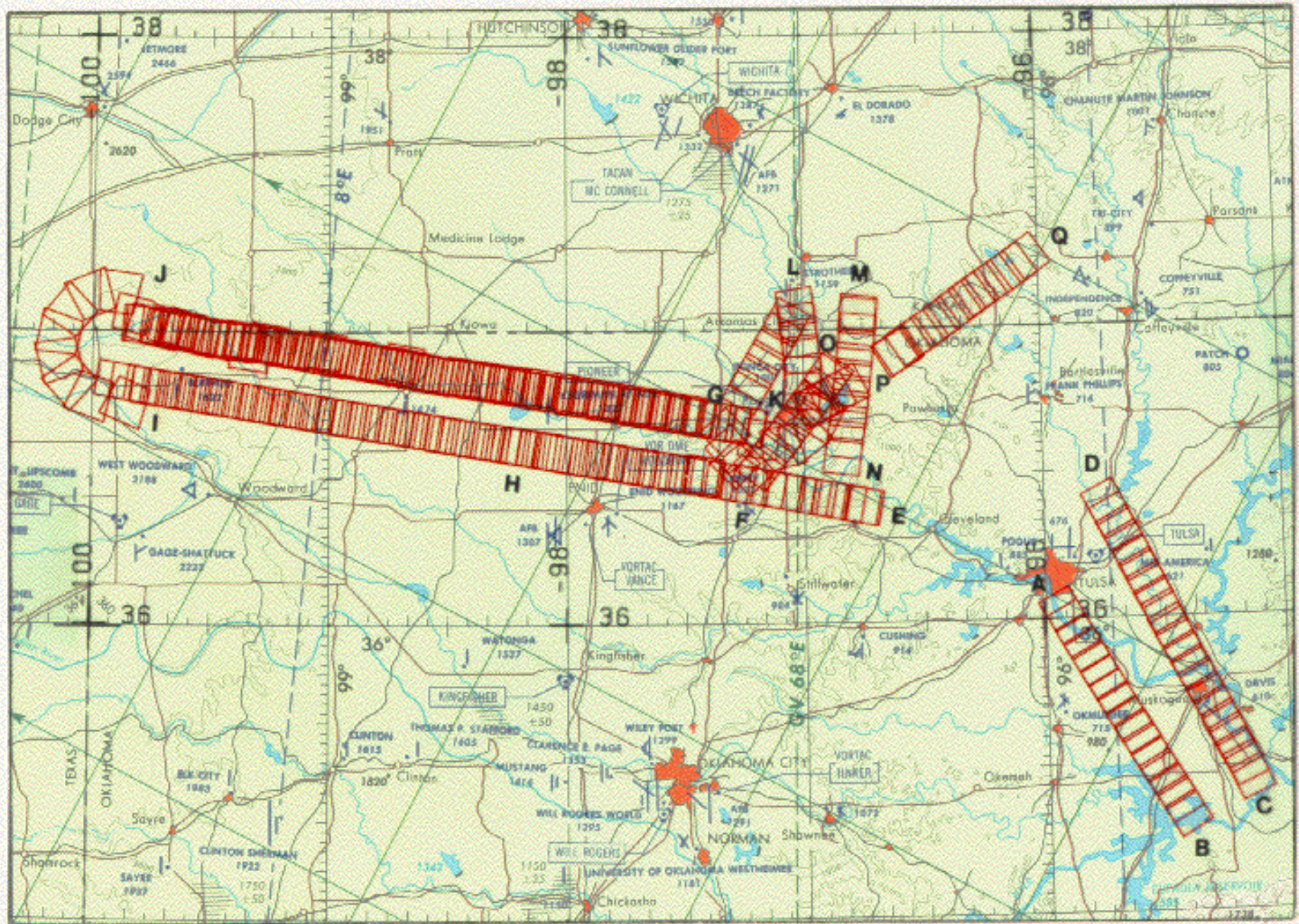


FLIGHT 95-112

4 MAY 1995

A/C 709

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



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A/C 709

RC-10

JNC 44