

FLIGHT SUMMARY REPORT

Flight Number: 96-109
Calendar/Julian Date: 27 April 1996 • 118
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 #: 05071
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: 221
% Overlap: 60
Quality: Excellent
Remarks: Camera clock offset
2.2 minutes from nav data

CAMERA FLIGHT LINE DATA
FLIGHT NO. 96-109

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Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	9207-9216	16:47:56	16:55:50	62330/18998	100% cirrus and cumulus
C - D	9217-9226	17:00:08	17:08:03	62550/19065	100% cirrus and cumulus
A - E	9227-9240	17:10:57	17:22:46	62800/19141	100% cirrus and cumulus
C - A	9241-9255	17:30:18	17:43:05	63313/19298	100% cirrus and cumulus
A - B	9256-9267	17:47:33	17:57:23	63175/19256	100% cirrus and cumulus
F - G	9268-9280	18:01:39	18:12:29	63723/19423	100% cirrus and cumulus (frms. 9268-9277); 50-80% cirrus and cumulus (frms. 9278-9280); oblique (frames 9279-9280)
A - B	9281-9291	18:14:28	18:23:21	63809/19449	100% cirrus and cumulus
F - G	9292-9306	18:28:41	18:41:27	64140/19550	90-100% cirrus and cumulus (frames 9292-9301); 30-80% cirrus and cumulus (frames 9302-9306); oblique (frame 9306)
A - B	9307-9319	18:45:10	18:55:59	64315/19603	90-100% cirrus and cumulus

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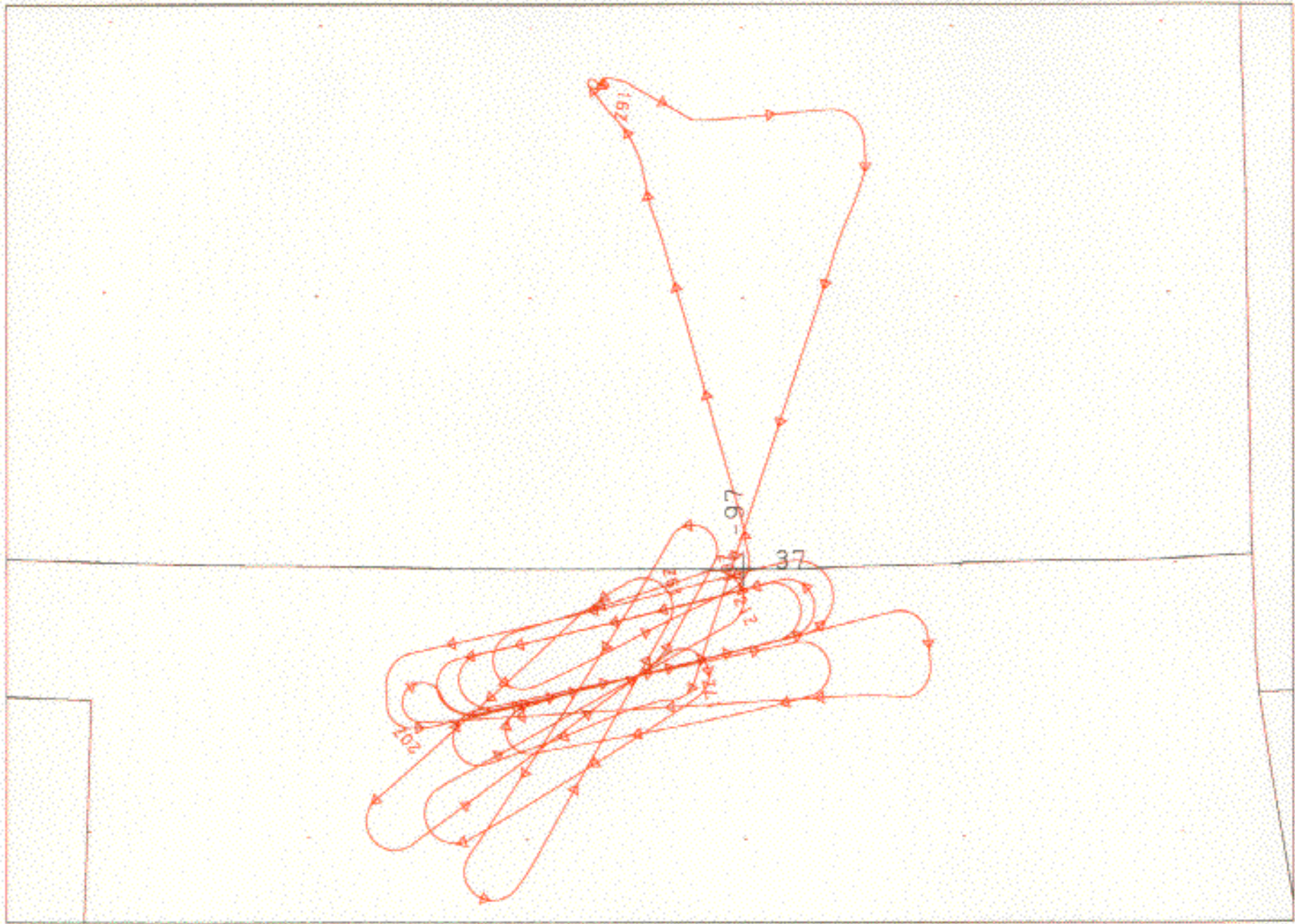
Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
F - G	9320-9331	18:59:20	19:09:11	64425/19637	90-100% cirrus and cumulus (frames 9320-9327); 30-70% cirrus and cumulus (frames 9328-9331)
D - F	9332-9337	19:13:13	19:17:12	64300/19599	90% cirrus and cumulus
H - I	9338-9341	19:19:49	19:21:51	64525/19667	80-90% cirrus and cumulus
J - K	9342-9355	19:25:41	19:37:29	64614/19694	60-100% cirrus and cumulus; contrail (frame 9352)
L - I	9356-9367	19:41:35	19:50:34	65392/19931	80-100% cirrus and cumulus (frames 9356-9364); 10-50% cirrus and cumulus (frames 9365-9367)
M - N	9368-9377	19:55:38	20:03:31	65090/19839	20-90% cirrus and cumulus; contrail (frame 9372)
O - H	9378-9389	20:07:23	20:17:13	65275/19896	70-100% cirrus and cumulus (frames 9378-9386); 20-40% cirrus (frames 9388-9389)
P - K	9390-9399	20:20:56	20:28:50	64880/19775	70-100% cirrus and cumulus

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		START	END		
N - Q	9400-9411	20:32:24	20:42:14	65467/19954	10-70% cirrus and cumulus
F - G	9412-9419	20:46:01	20:51:57	65462/19953	30-90% cirrus and cumulus
A - B	9420-9427	20:55:38	21:01:34	64500/19660	20-90% cirrus and cumulus

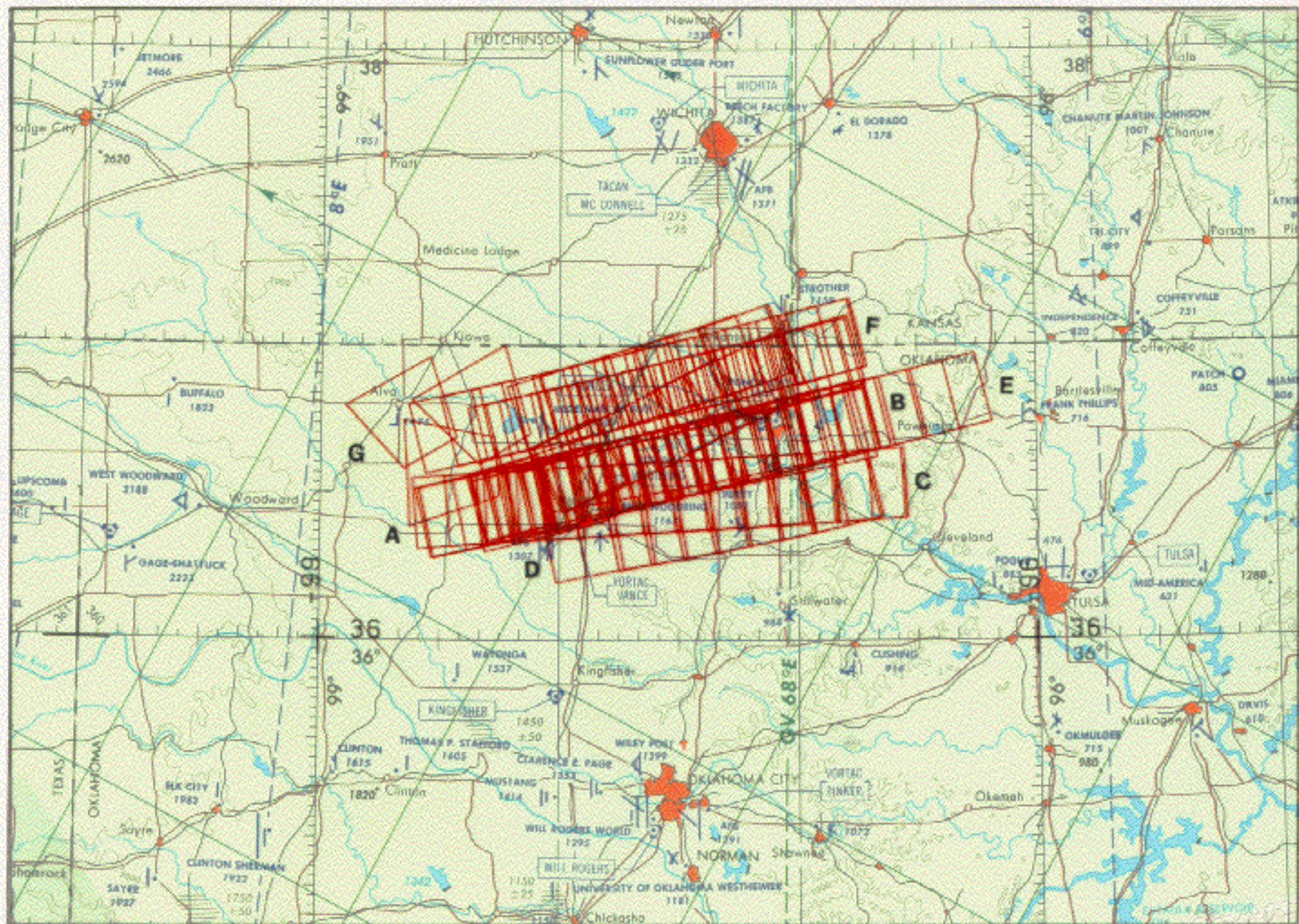


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RC-10 / MAS-50 / HIS / RAMS / CLS / MIR / EDC



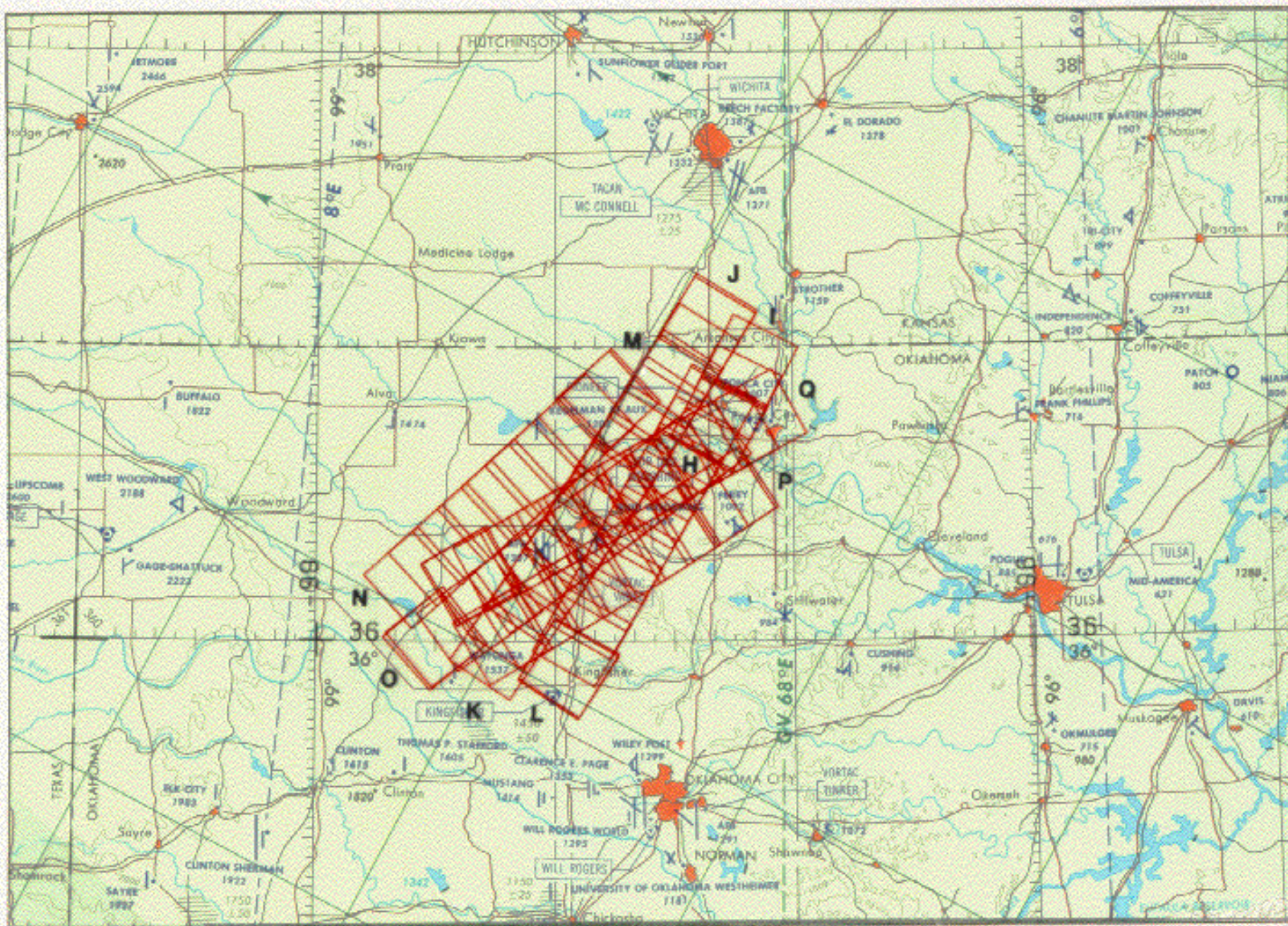
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