

MAC EUROPE FLIGHT SUMMARY REPORT

Flight #: 91-142
Date: 29 July 1991
Sensor Package: Airborne Visible and Infrared Imaging Spectrometer (AVIRIS)
 Thematic Mapper Simulator (TMS)
 Wild-Heerbrug RC-10
Area(s) Covered: Germany, Austria, France
Investigator(s): Fung, U. of Texas
 Jochum and Nithack, DLR
 Peterson, NASA-ARC
 Ustin, U. of California/Sieber, JRCIRSA
 Vidal-Madjar, CRPE
Aircraft #: 706
Flight Request: 91L257B, 91R272, 91R263B, 91L267B,
 91L268B, 91R250
Julian Date: 210

SENSOR DATA

Accession #:	-----	-----	04265
Sensor ID #:	099	101	026
Sensor Type:	AVIRIS	TMS	RC-10
Focal Length:	-----	-----	12" 304.97 mm
Film Type:	-----	-----	High Definition Aerochrome IR SO-131
Filtration:	-----	-----	cc.10B
Spectral Band:	-----	-----	510-900 nm
f Stop:	-----	-----	4
Shutter Speed:	-----	-----	1/125
# of Frames:	-----	-----	129
% Overlap:	-----	-----	60
Quality:	-----	-----	Excellent
Remarks:			

AVIRIS FLIGHT LINE DATA
FLIGHT NO. 91-142

Sites	Flight Lines	Time Acquired	Latitude 1	Longitude 1	Latitude 2	Longitude 2
Donaried, Germany	I - J	11:39:00	48-24.0	10-46.0	48-37.0	10-46.0
Donaried, Germany	K - L	11:49:00	48-37.0	10-38.0	48-24.0	10-38.0

TMS FLIGHT LINE DATA

FLIGHT NO. 91-142

CAEDALUS FLIGHT DATA
FLIGHT NUMBER: 91-142

Check Points	A c t u a l t i m e b e g i n e n d	A c t u a l s c a n l i n e b e g i n e n d	A l t i t u d e f e e t / m e t e r	S c a n S p e e d (r p s)	t o t a l G o o d s c a n l i n e s	t o t a l I n t e r p o l a t e d s c a n l i n e s	t o t a l R e p e a t e d s c a n l i n e s
A-B	10:39:00.0 10:42:39.0	107148 109032	65000/19812	12.50	2735	0	0
B-A	10:47:22.0 10:51:13.0	113418 116311	65000/19812	12.50	2894	0	0
A-B	10:55:05.0 11:01:07.0	119216 123741	65000/19812	12.50	4526	0	0
B-A	11:05:14.0 11:09:03.0	126822 129683	65000/19812	12.50	2849	0	13
C-D	11:43:16.0 11:50:14.0	155349 160575	65000/19812	12.50	5136	0	91
E-F	11:56:54.0 12:01:54.0	165559 169328	65000/19812	12.50	3488	0	272
G-H	12:24:56.0 12:27:14.0	186599 188331	65000/19812	12.50	1728	0	5
I-J	12:32:22.0 12:35:02.0	192173 194180	65000/19812	12.50	2004	0	4
K-L	12:39:25.0 12:41:51.0	197458 199284	65000/19812	12.50	1825	0	2
B-A	13:02:12.0 13:05:59.0	214545 217383	65000/19812	12.50	2821	0	23
A-B	13:09:37.0 13:13:21.0	220110 222915	65000/19812	12.50	2800	0	6
M-N	13:43:37.0 13:46:03.0	245612 247438	65000/19812	12.50	1824	0	3
N-M	13:50:37.0 13:53:17.0	250564 252864	65000/19812	12.50	2001	0	0

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 91-142**

Accession # 04265

Sensor # 026

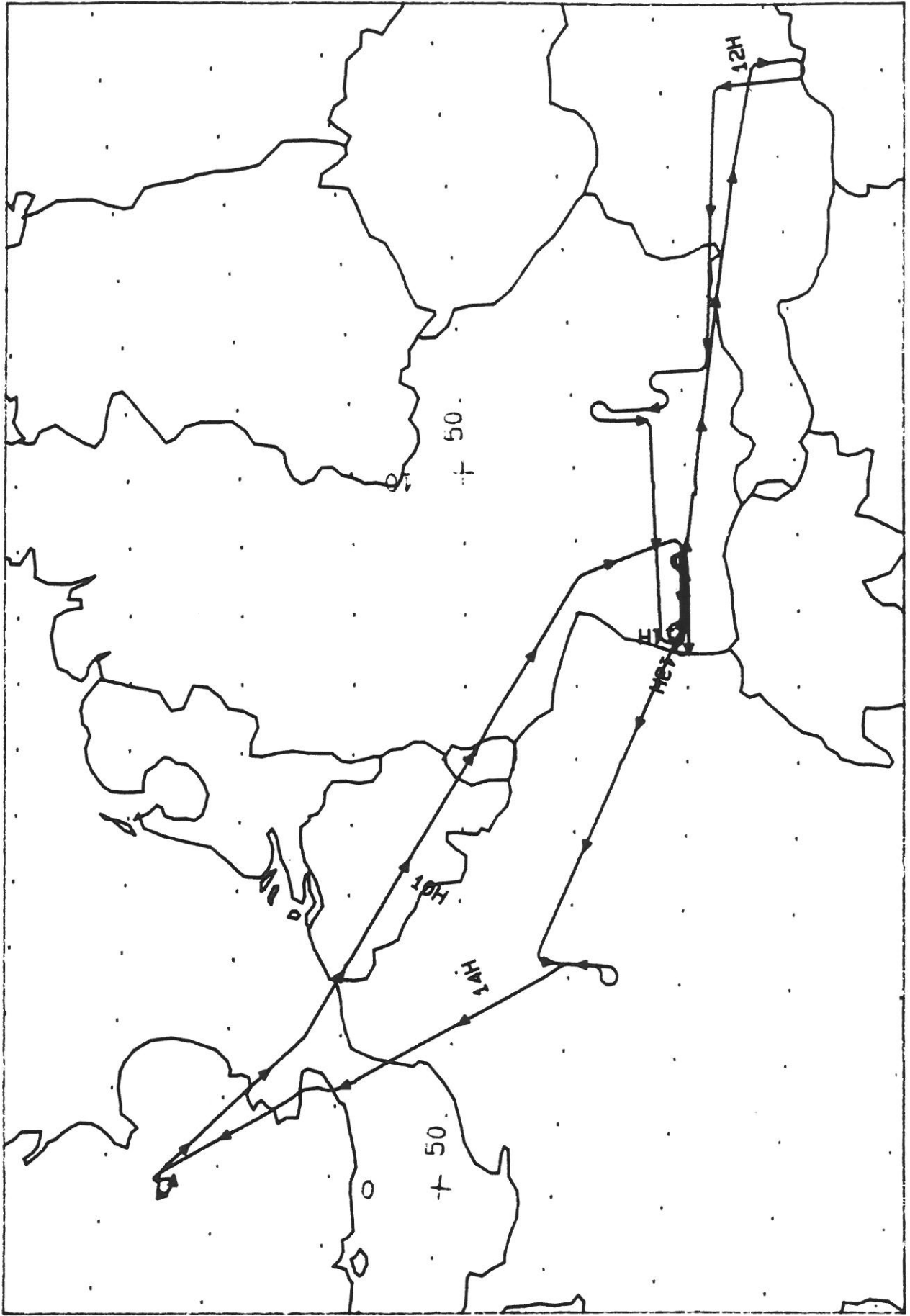
Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	8606-8613	10:39:33	10:42:50	65000/19800	10-30% cumulus (frames 8606-8613)
B - A	8614-8622	10:47:56	10:51:41	"	10-20% cumulus (frames 8615-8622)
A - B	8623-8635	10:55:43	11:01:21	"	10-30% cumulus (frames 8623-8631)
B - A	8636-8644	11:05:46	11:09:31	"	10-30% cumulus (frames 8637-8644)
C - D	8645-8660	11:43:45	11:50:21	"	60-80% cumulus (frames 8645-8660)
E - F	8661-8672	11:57:24	12:02:09	"	70-90% cumulus (frames 8661-8672)
G - H	8673-8678	12:25:22	12:27:19	"	10% cumulus (frames 8677-8678)
I - J	8679-8685	12:32:51	12:35:15	"	10% cumulus (frames 8679-8685)
K - L	8686-8692	12:39:35	12:42:01	"	10% cumulus (frames 8686-8692)
B - A	8693-8702	13:02:38	13:06:28	"	10-30% cumulus (frames 8695-8702)

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		
A - B	8703-8712	13:10:05	13:13:54	65000/19800	10-30% cumulus (frames 8703-8712)
M - N	8713-8719	13:44:06	13:46:30	"	Clear
-----	8720-8728	13:46:58	13:50:43	"	Oblique frames in turn; 40-50% cirro-cumulus (frames 8721-8727)
N - M	8729-8734	13:51:11	13:53:31	"	10% cirrus (frame 8729)

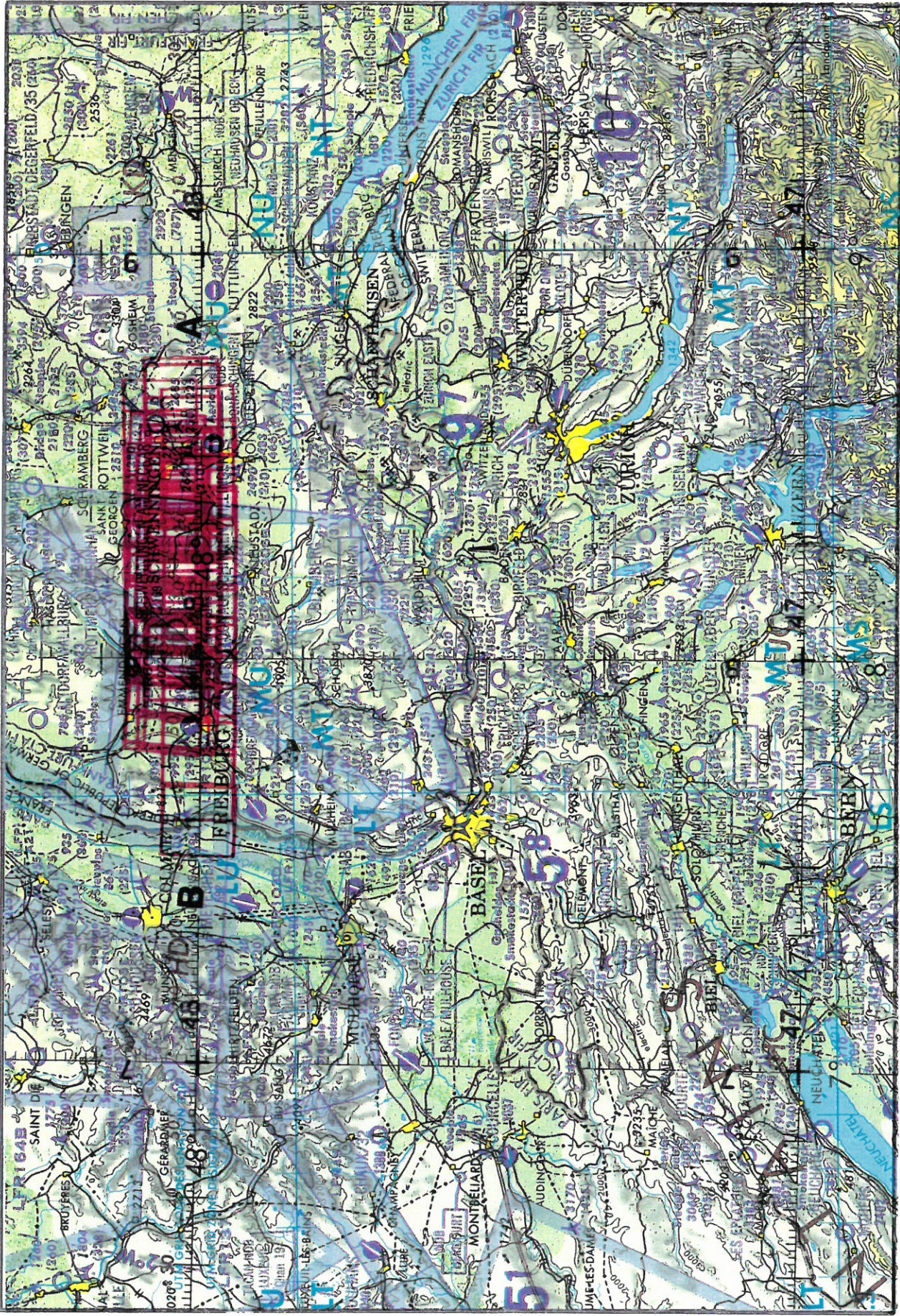


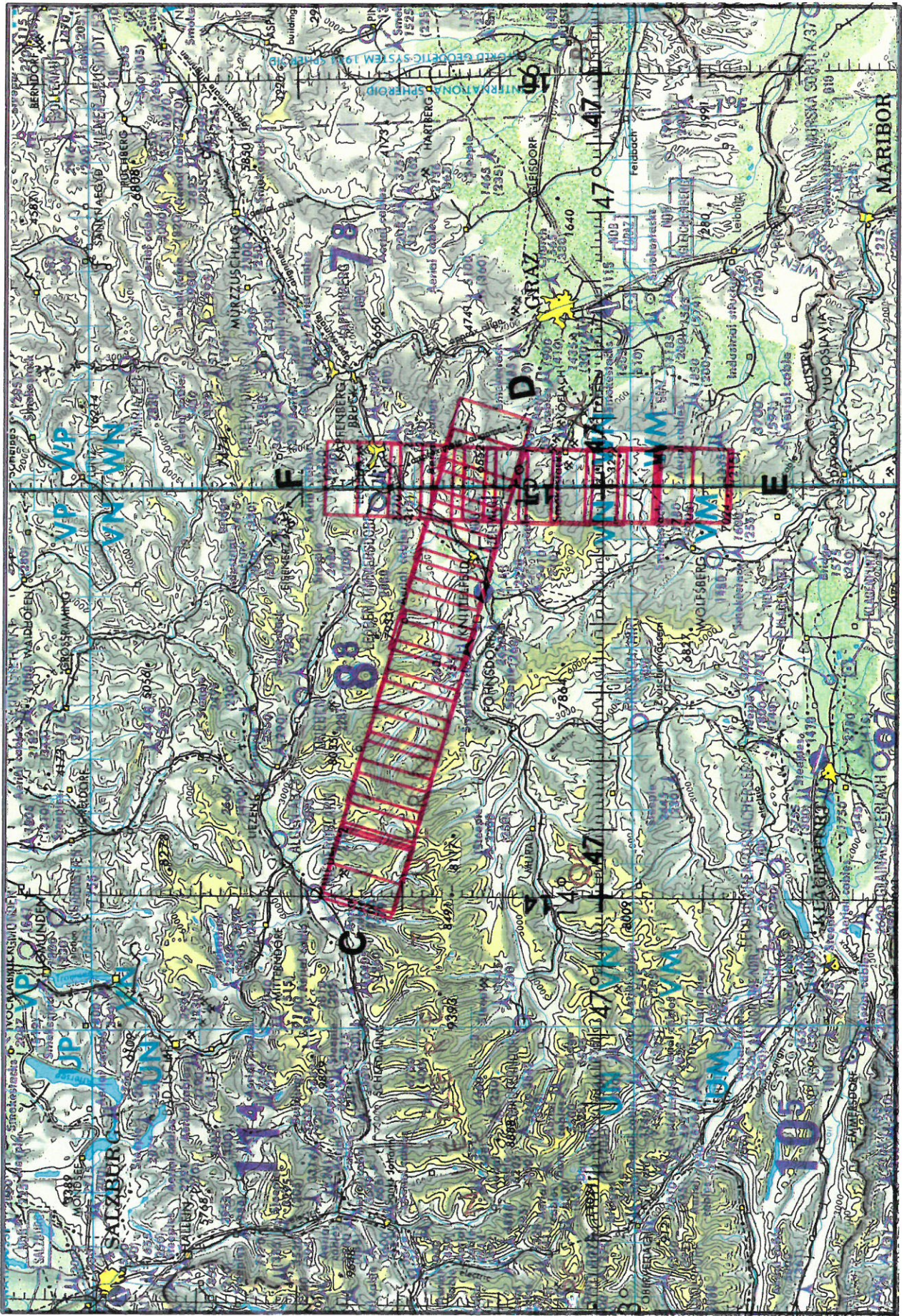
FLIGHT 91-142

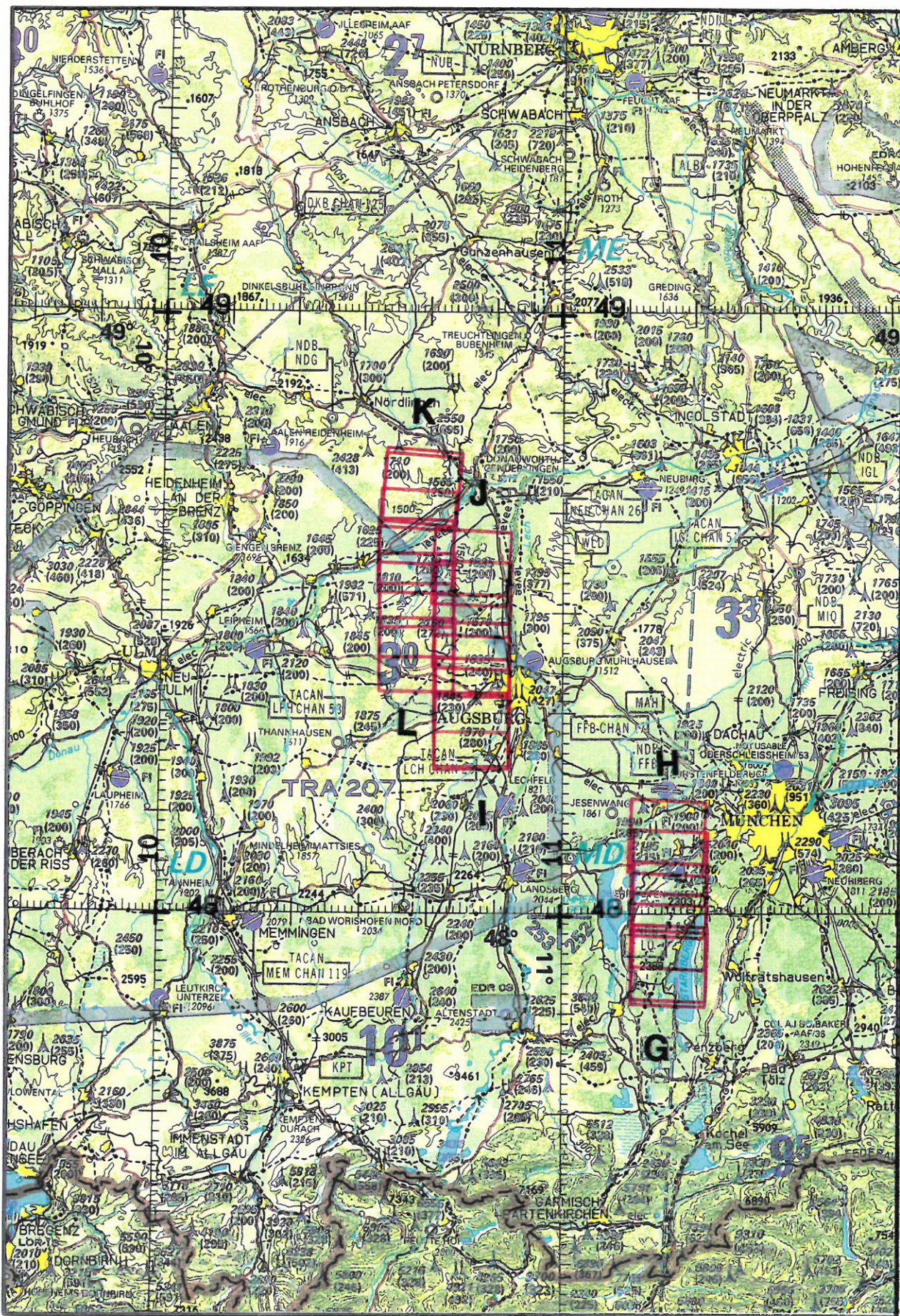
29 July 1991

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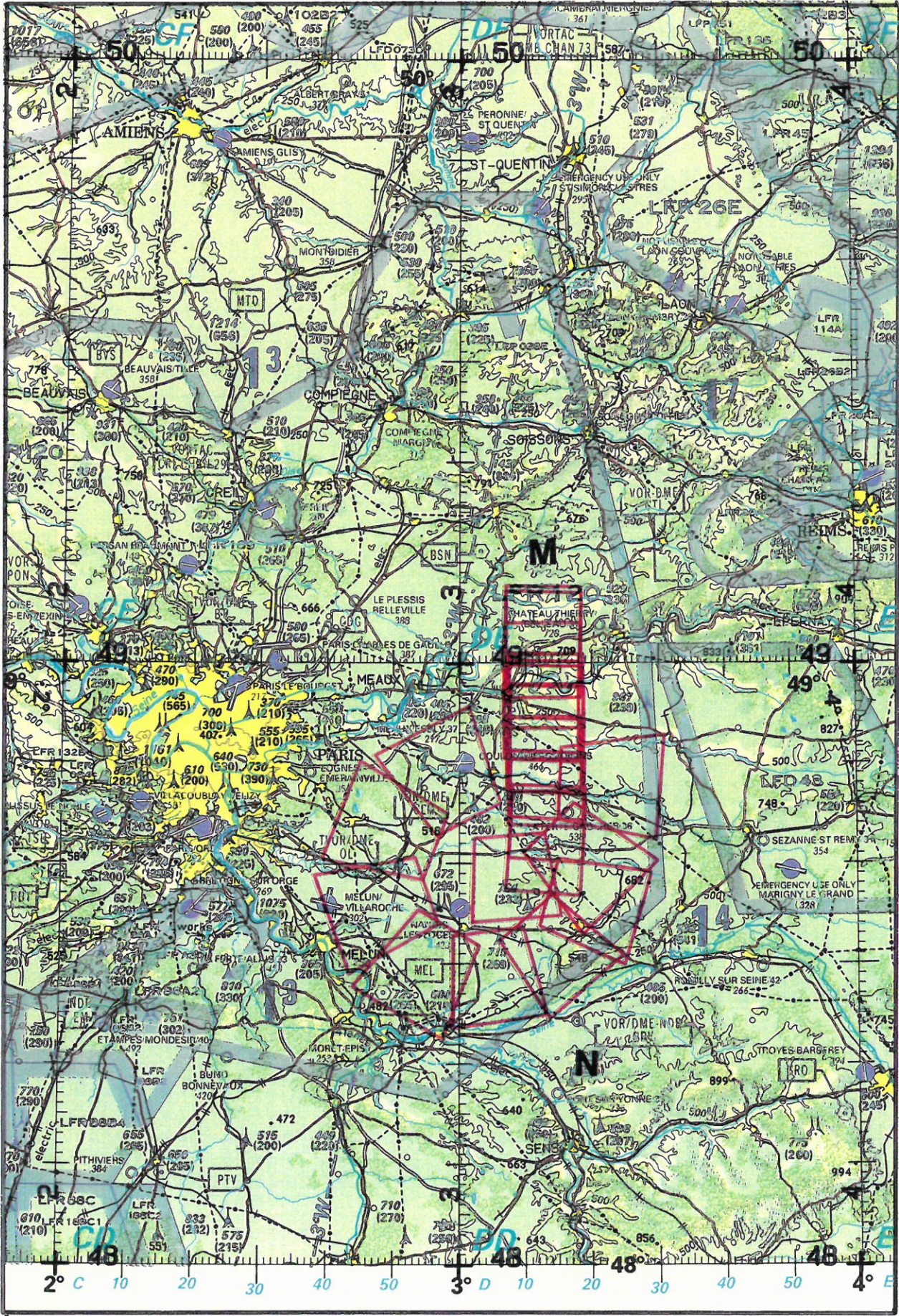
AVIHS / TMS / RC-10



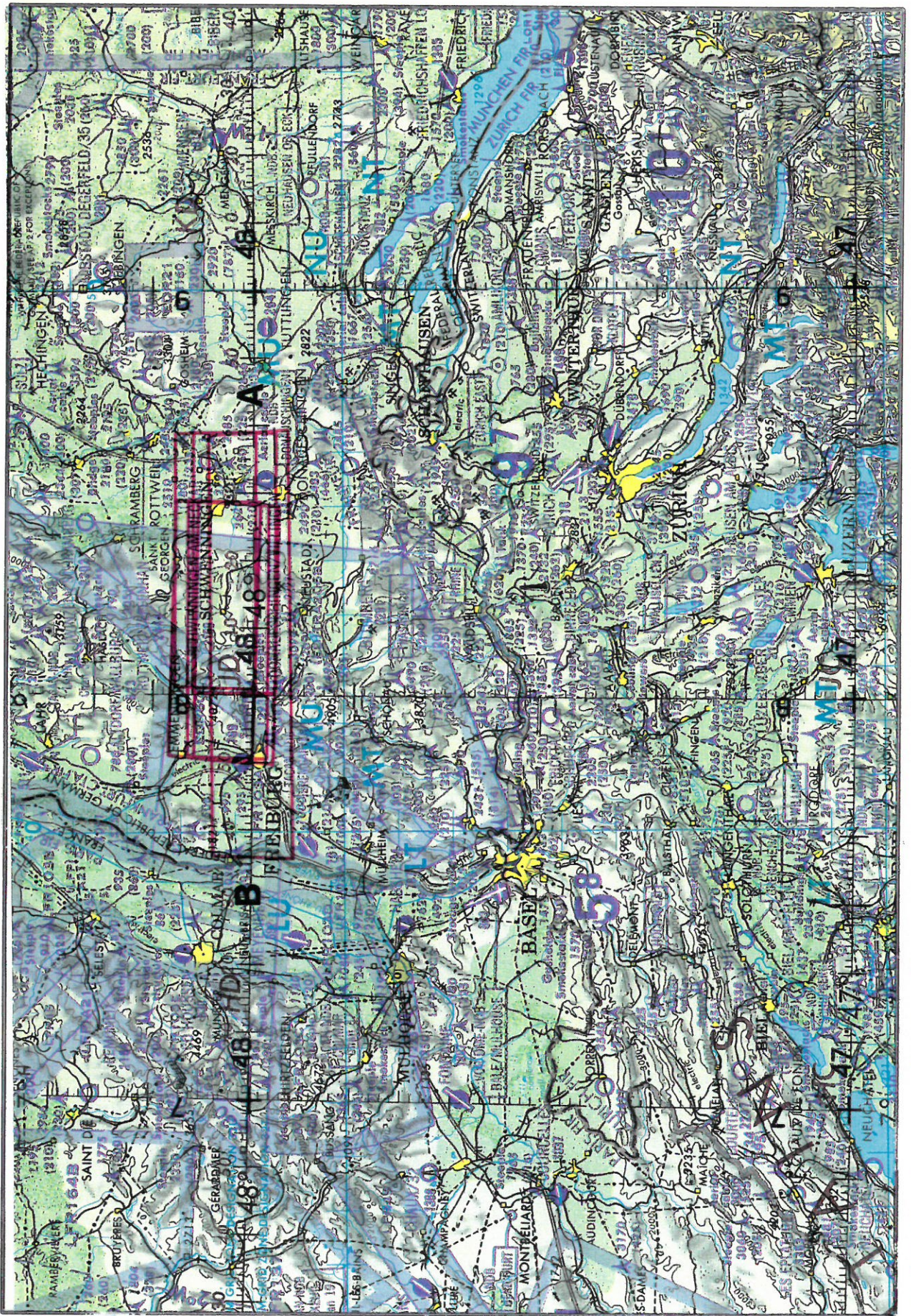


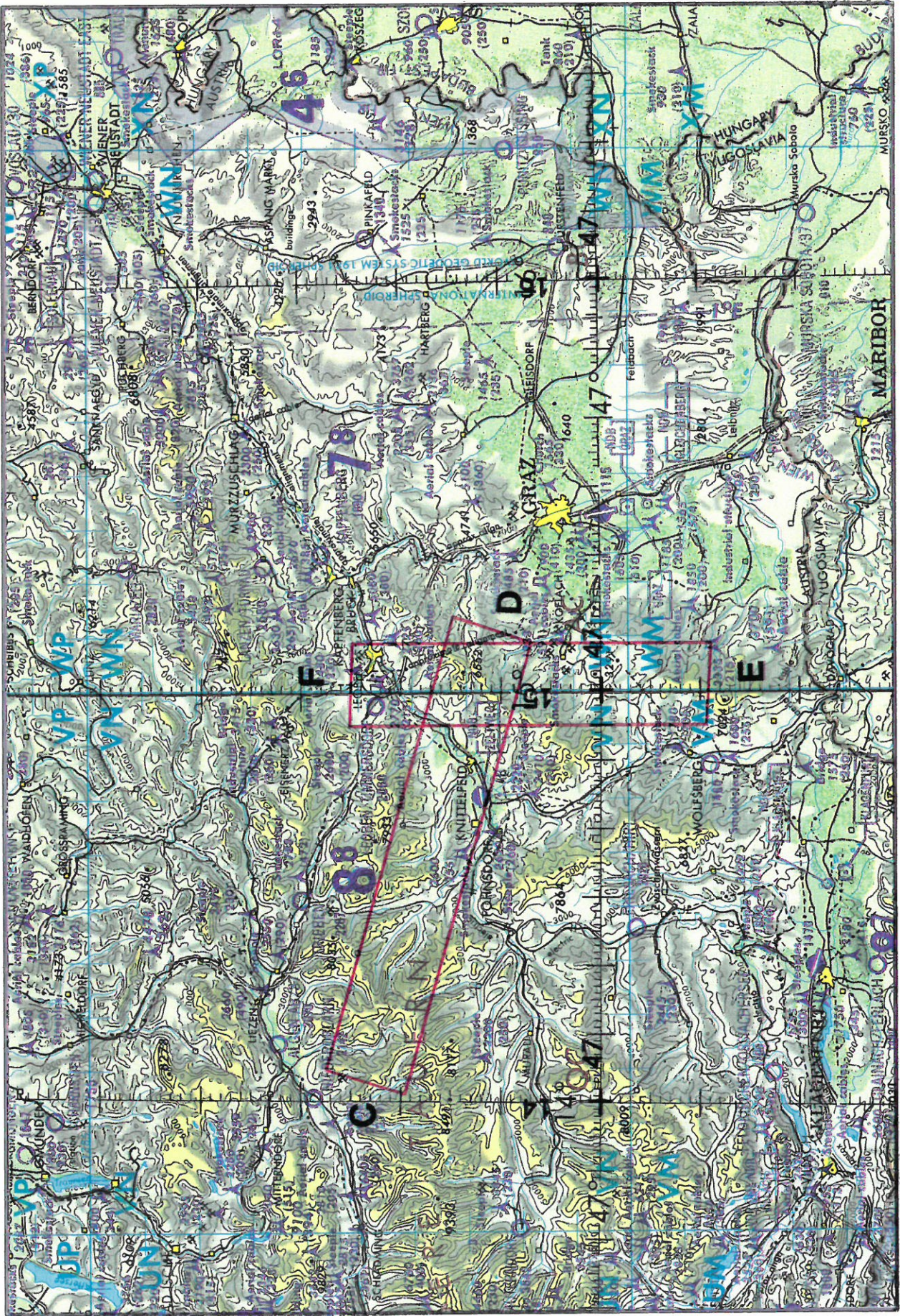


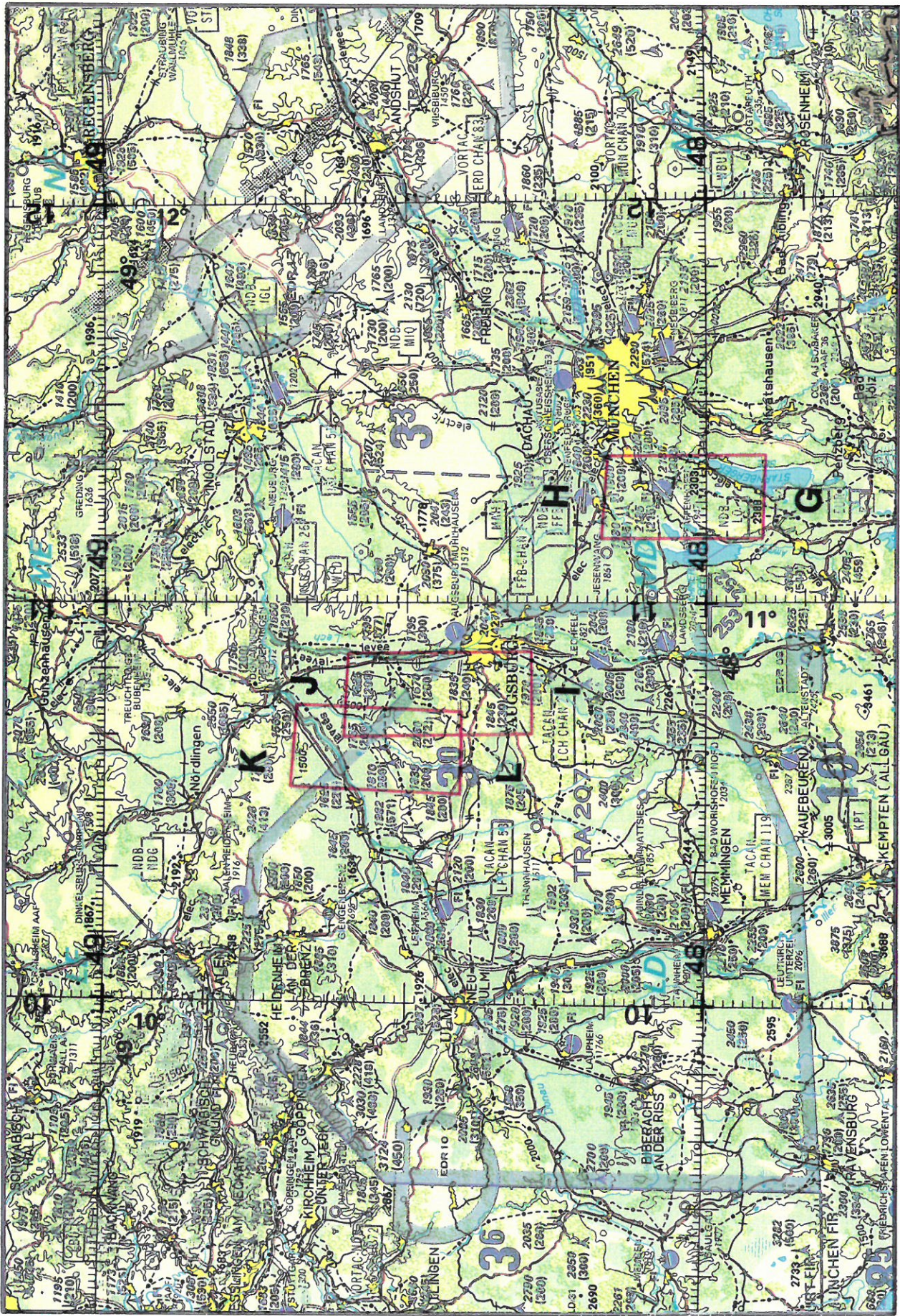
FLIGHT 91-142 29 July 1991 A/C 706 AVIRIS / TMS / RC-10 Accession # 04265 ONC E-2



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FLIGHT 31-142 29 July 1991 A/C 706 Thematic Mapper Simulator (TMS) ONC E-2