

# MAC EUROPE FLIGHT SUMMARY REPORT

**Flight #:** 91-141  
**Date:** 28 July 1991  
**Sensor Package:** Airborne Visible and Infrared Imaging Spectrometer (AVIRIS)  
 Thematic Mapper Simulator (TMS)  
 Wild-Heerbrug RC-10  
**Area(s) Covered:** Germany, England  
**Investigator(s):** Beven, Lancaster University  
 Fung, U. of Texas  
 Jochum and Nithack, DLR  
 Ustin, U. of California/Sieber, JRCIRSA  
**Aircraft #:** 706  
**Flight Request:** 91R279B, 91L257B, 91R272, 91R263B,  
 91L268B  
**Julian Date:** 209

## SENSOR DATA

<b>Accession #:</b>	-----	-----	04263
<b>Sensor ID #:</b>	099	101	026
<b>Sensor Type:</b>	AVIRIS	TMS	RC-10
<b>Focal Length:</b>	-----	-----	12" 304.97 mm
<b>Film Type:</b>	-----	-----	High Definition Aerochrome IR SO-131
<b>Filtration:</b>	-----	-----	cc.10B
<b>Spectral Band:</b>	-----	-----	510-900 nm
<b>f Stop:</b>	-----	-----	4
<b>Shutter Speed:</b>	-----	-----	1/125
<b># of Frames:</b>	-----	-----	93
<b>% Overlap:</b>	-----	-----	60
<b>Quality:</b>	-----	-----	Excellent
<b>Remarks:</b>	Data available, but not released due to cloud cover		

# TMS FLIGHT LINE DATA

## FLIGHT NO. 91-141

PAEDALUS FLIGHT DATA  
FLIGHT NUMBER: 91-141

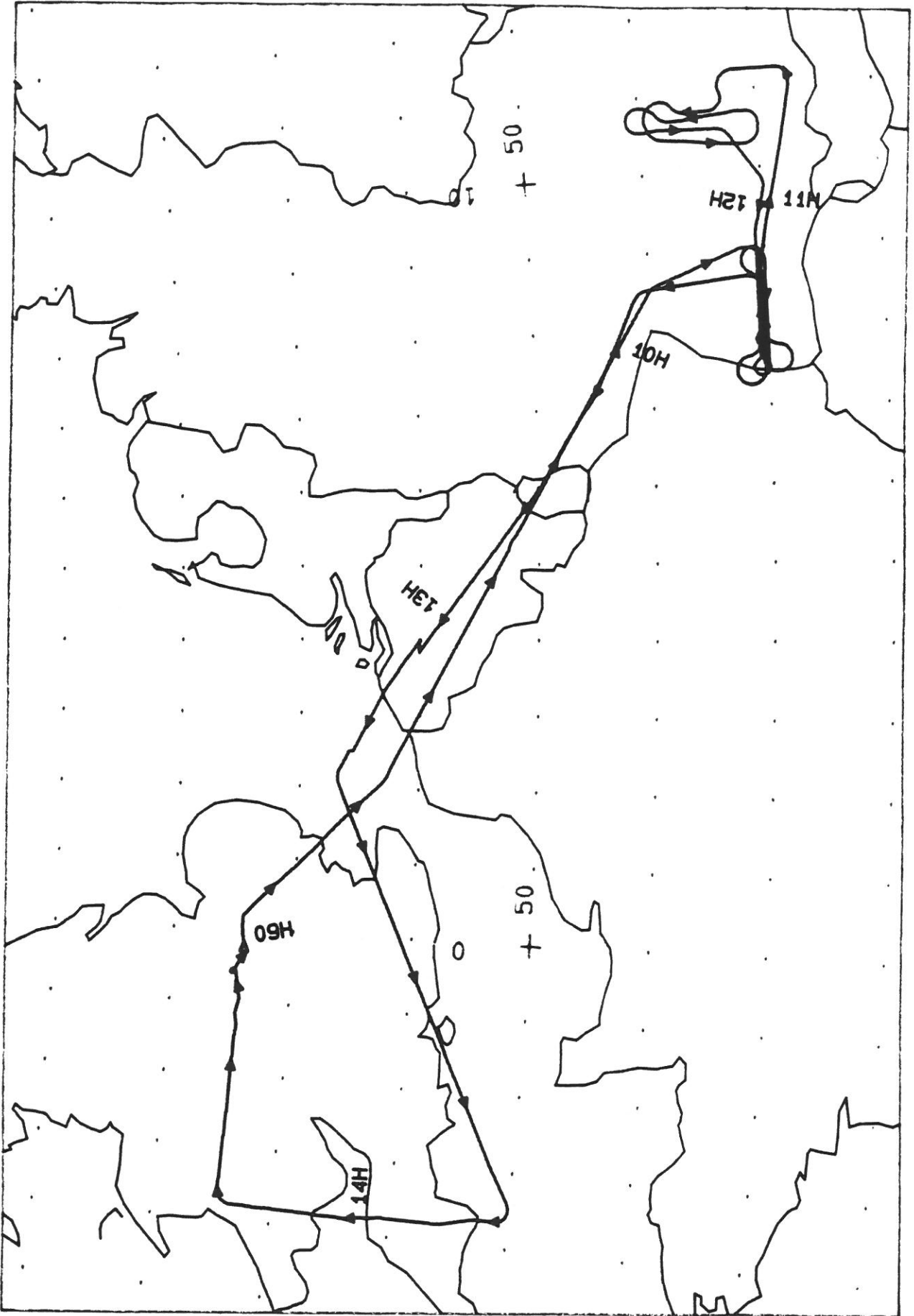
Check Points	A c t u a l t i m e b e g i n	(GMT) e n d	A c t u a l s c a n l i n e b e g i n	e n d	A l t i t u d e f e e t / m e t e r	Scan S p e e d (r p s)	t o t a l G o o d s c a n l i n e s	t o t a l I n t e r p o l a t e d s c a n l i n e s	t o t a l R e p e a t e d s c a n l i n e s
A-B	10:15:43.0	10:19:28.0	103864	106669	65000/19812	12.50	2802	0	4
B-A	10:27:46.0	10:31:36.0	112893	115767	65000/19812	12.50	2868	0	7
A-B	10:38:29.0	10:44:40.0	120934	125573	65000/19812	12.50	4633	0	7
B-A	10:49:29.0	10:53:25.0	129188	132139	65000/19812	12.50	2947	0	5
C-D	11:12:11.0	11:13:32.0	146204	147220	65000/19812	12.50	1015	0	2
E-F	11:38:33.0	11:40:49.0	165988	167683	65000/19812	12.50	1701	0	0
G-H	11:49:25.0	11:52:53.0	174133	176736	65000/19812	12.50	2604	0	0
A-B	12:05:28.0	12:10:7.0	186173	189658	65000/19812	12.50	3482	0	4
B-A	12:18:26.0	12:22:43.0	195899	199114	65000/19812	12.50	3216	0	0
I-J	14:06:3.0	14:09:26.0	276007	279143	65000/19812	12.50	2532	0	10

**CAMERA FLIGHT LINE DATA  
FLIGHT NO. 91-141**

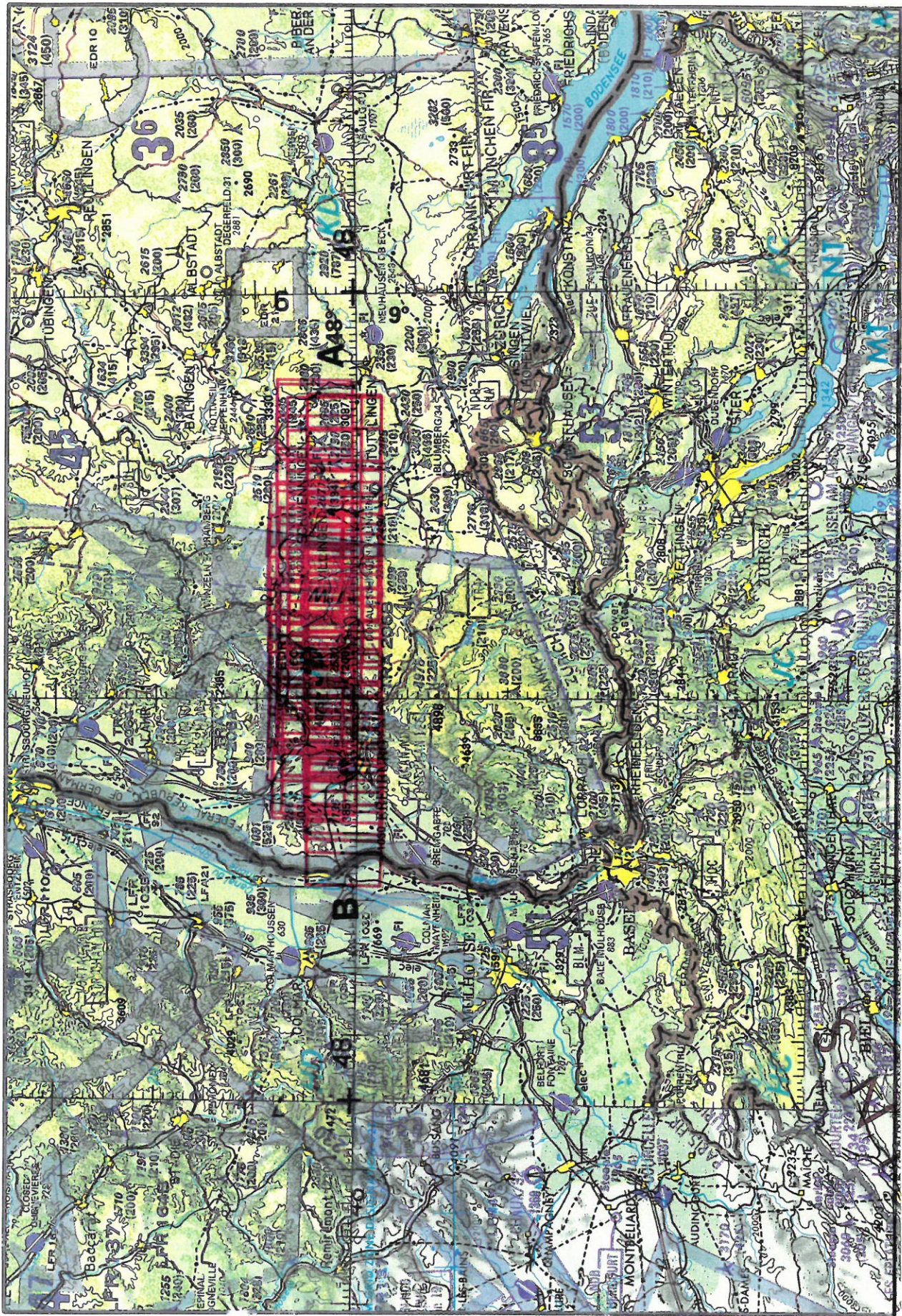
Accession # 04263

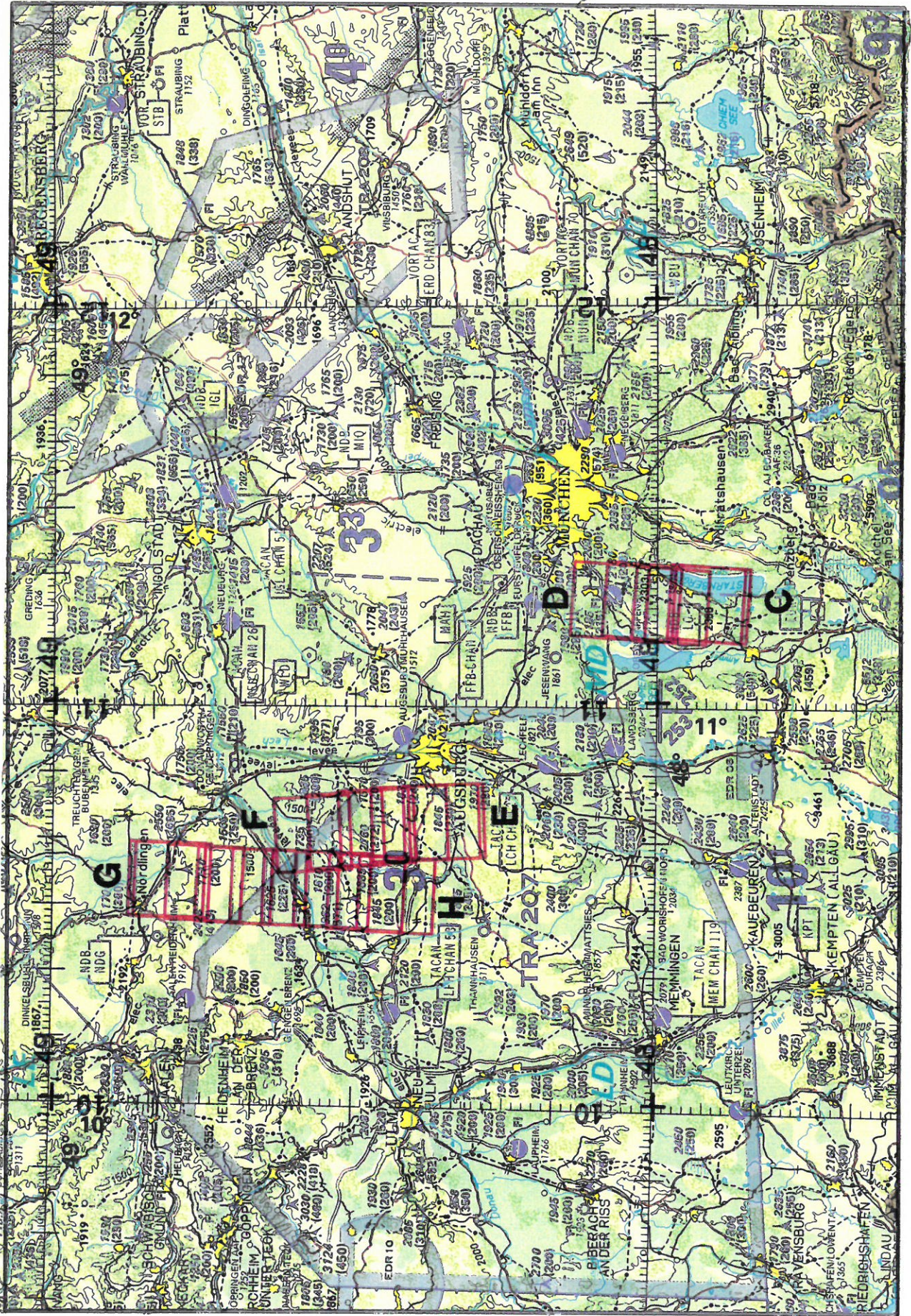
Sensor # 026

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	8505-8512	10:16:18	10:19:35	65000/19800	10-50% cumulus and thin cirrus (frames 8505-8512)
B - A	8513-8521	10:28:14	10:31:36	"	20-50% cumulus (frames 8513-8521)
A - B	8522-8536	10:38:57	10:45:06	"	10-50% cumulus and cirrus (frames 8522-8536)
B - A	8537-8546	10:49:58	10:53:48	"	10-60% cumulus (frames 8537-8546)
C - D	8547-8551	11:12:37	11:14:06	"	40-90% cumulus (frames 8547-8551)
E - F	8552-8557	11:39:04	11:41:01	"	10-60% cumulus and cirrus (frames 8552-8557)
G - H	8558-8566	11:49:54	11:53:15	"	10-50% cumulus and cirrus (frames 8558-8566)
A - B	8567-8577	12:05:58	12:10:15	"	20-40% cumulus (frames 8567-8577)
B - A	8578-8588	12:18:56	12:23:13	"	40-60% cumulus (frames 8578-8588)
I - J	8589-8597	14:06:30	14:09:50	"	10-60% cumulus (frames 8589-8597)

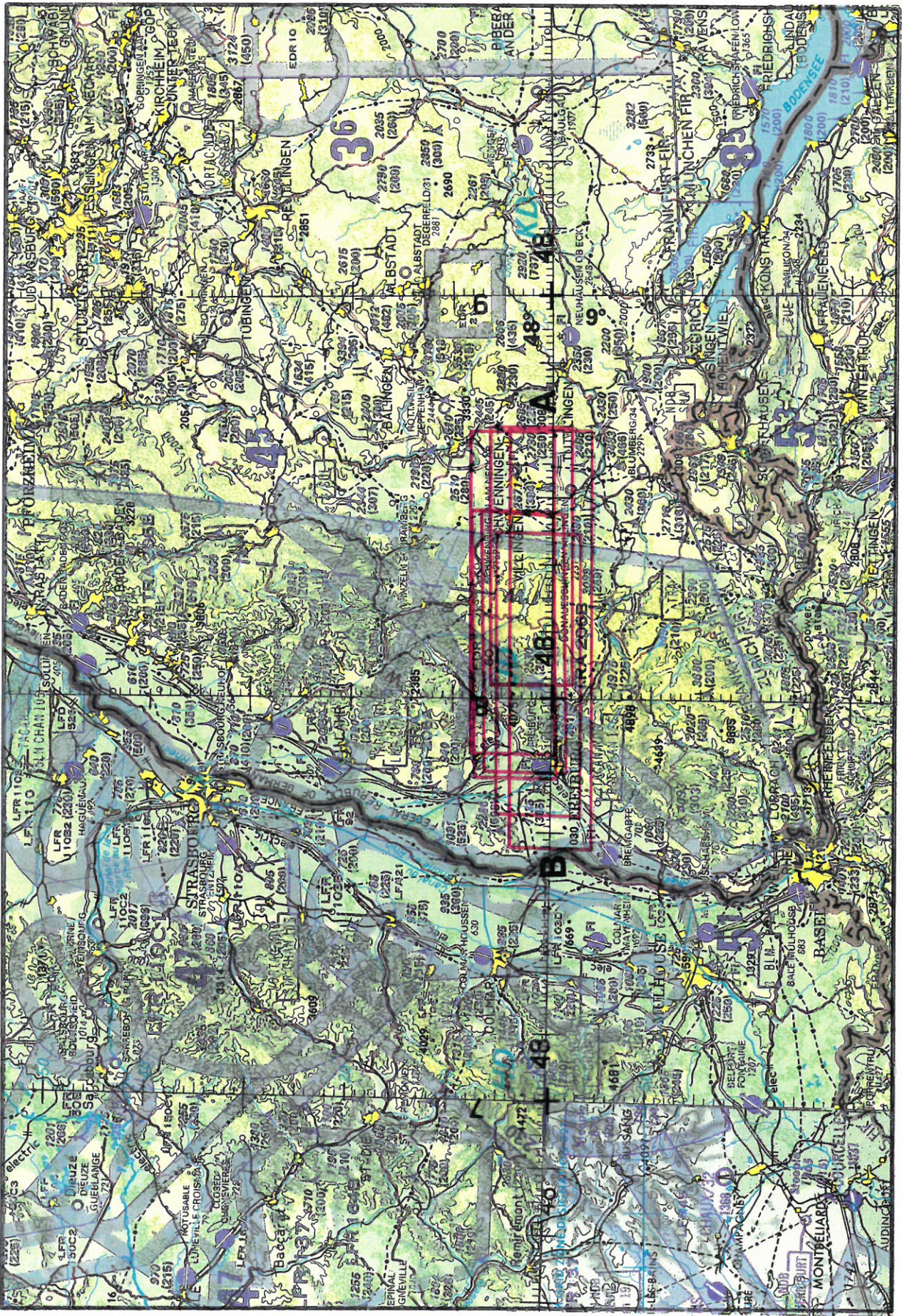


FLIGHT 91-141      26 July 1991      A/C 706      AVIRIS / TMS / RC-10









ONC E-2

Thematic Mapper Simulator (TMS)

A/C 706

28 July 1991

FLIGHT 91-141



