

# MAC EUROPE FLIGHT SUMMARY REPORT

**Flight #:** 91-140  
**Date:** 27 July 1991  
**Sensor Package:** Airborne Visible and Infrared Imaging Spectrometer (AVIRIS)  
 Thematic Mapper Simulator (TMS)  
 Wild-Heerbrug RC-10  
**Area(s) Covered:** Orgeval, France; Slapton Woods and Fenland, England  
**Investigator(s):** Beven, Lancaster University  
 Kahle, JPL  
 Vidal-Madjar, CRPE  
**Aircraft #:** 706  
**Flight Request:** 91R279B, 91L270, 91R250  
**Julian Date:** 208

## SENSOR DATA

<b>Accession #:</b>	-----	-----	04262
<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>	-----	-----	64
<b>% Overlap:</b>	-----	-----	60
<b>Quality:</b>	-----	-----	Excellent
<b>Remarks:</b>			

**AVIRIS FLIGHT LINE DATA**  
**FLIGHT NO. 91-140**

Sites	Flight Lines	Time Acquired	Latitude 1	Longitude 1	Latitude 2	Longitude 2
Fenlands, Great Britain	E - F	11:22:00	52-56.0	00-25.0	52-56.0	00-33.0

# TMS FLIGHT LINE DATA

## FLIGHT NO. 91-140

PAEDALUS FLIGHT DATA  
FLIGHT NUMBER: 91-140

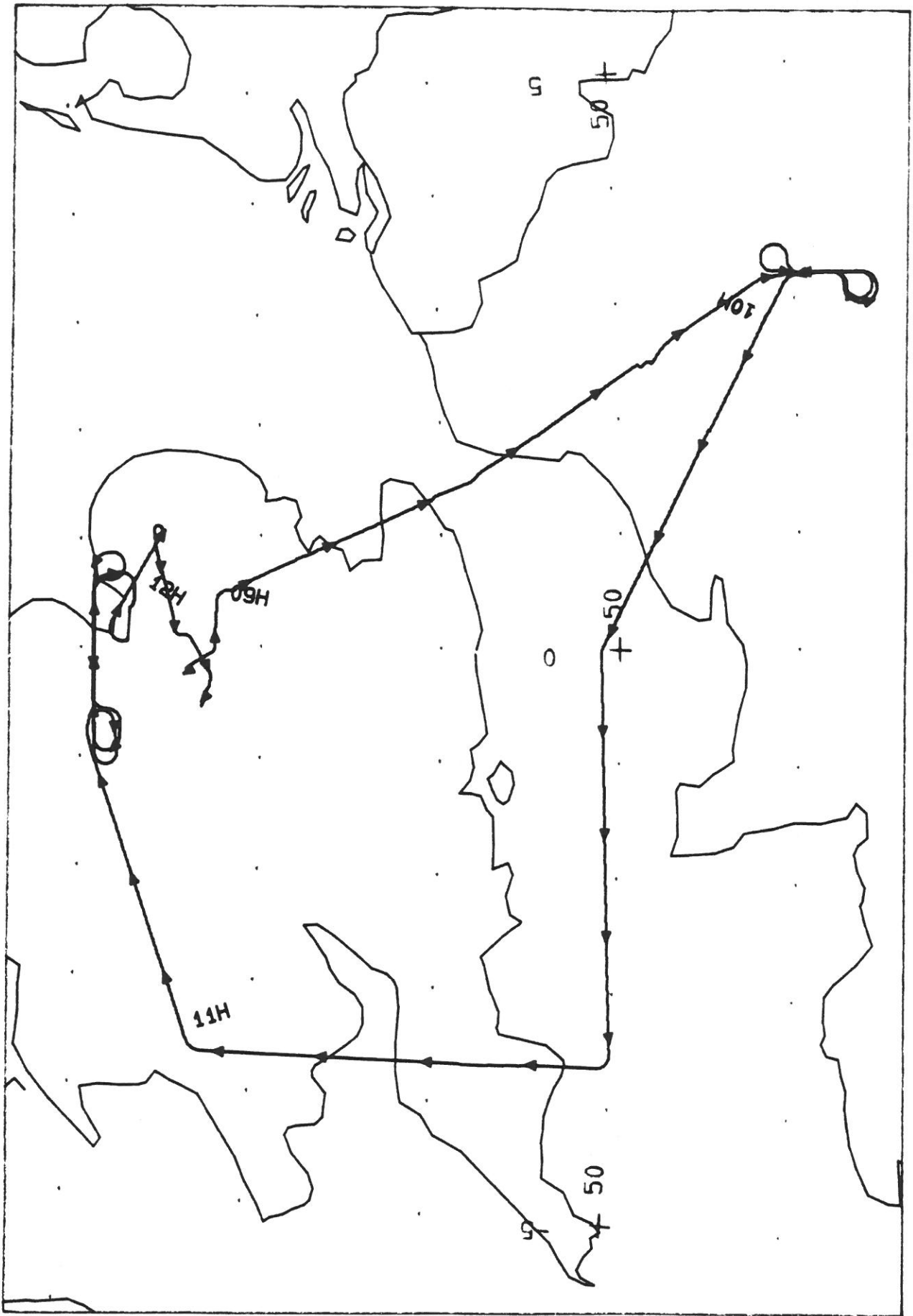
Check Points	A c t u a l t i m e b e g i n e n d	A c t u a l s c a n l i n e b e g i n e n d	A l t i t u d e f e e t / m e t e r	Scan S p e e d ( r p s )	t o t a l G o o d s c a n l i n e s	t o t a l I n t e r p o l a t e d s c a n l i n e s	t o t a l R e p e a t e d s c a n l i n e s
A-B	09:40:15.0 09:42:28.0	81916 83572	65000/19812	12.50	1649	0	8
B-A	09:47:2.0 09:49:29.0	87002 88800	65000/19812	12.50	1817	0	12
A-B	09:54:58.0 09:57:22.0	92950 94743	65000/19812	12.50	1793	0	6
C-D	10:40:9.0 10:41:40.0	126633 127905	65000/19812	12.50	1117	0	16
E-F	11:22:3.0 11:28:31.0	158258 163100	65000/19812	12.50	4838	0	5
F-E	11:33:52.0 11:39:20.0	167110 171217	65000/19812	12.50	4090	0	12
E-F	11:44:51.0 11:50:51.0	175048 179057	65000/19812	12.50	4498	0	12

**CAMERA FLIGHT LINE DATA  
FLIGHT NO. 91-140**

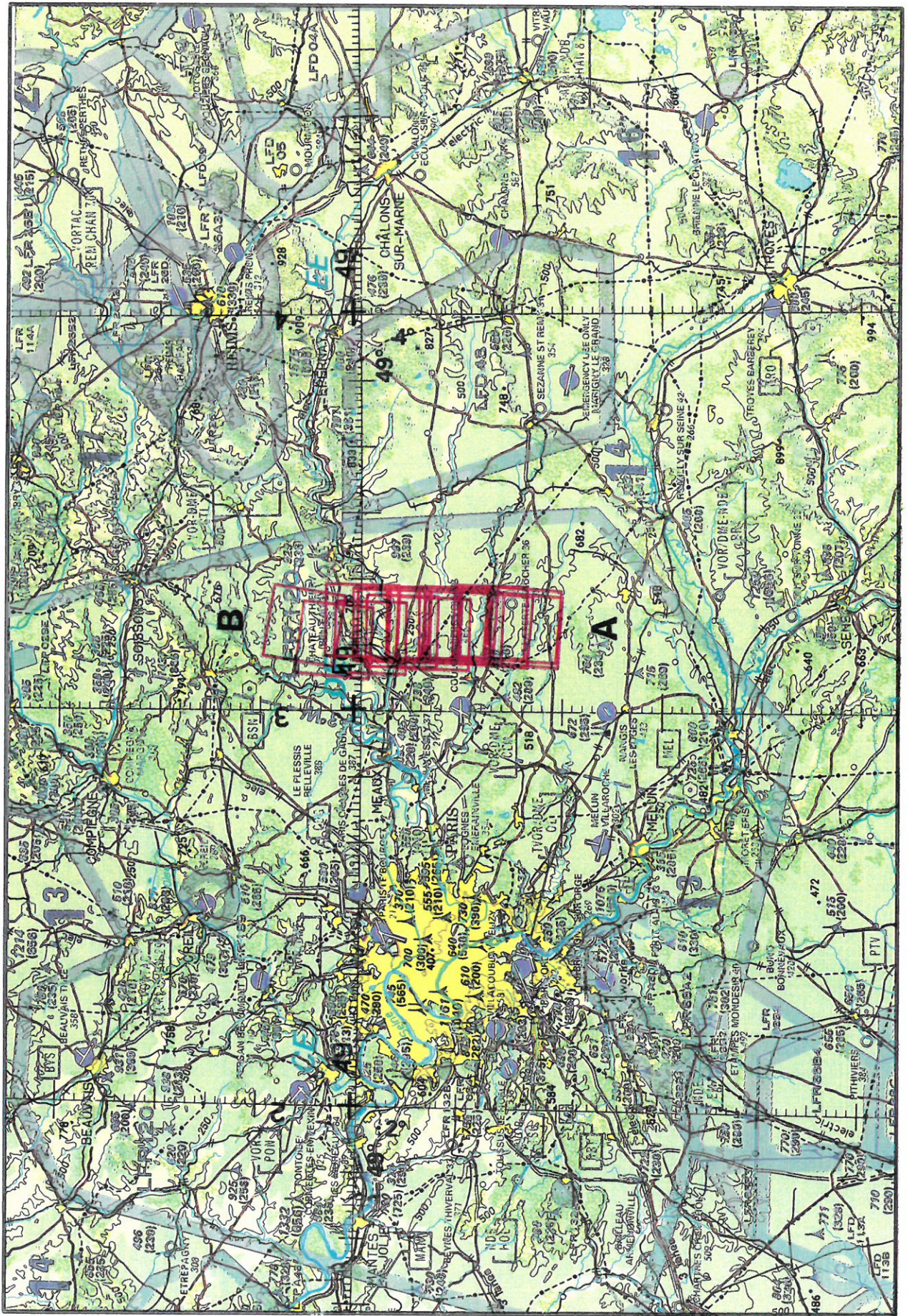
Accession # 04262

Sensor # 026

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	8430-8434	9:40:42	9:42:36	65000/19800	80% cumulus and cirrus (frames 8430-8434)
B - A	8435-8440	9:47:39	9:50:01	"	80-90% cumulus and cirrus (frames 8435-8440)
A - B	8441-8446	9:55:31	9:57:52	"	60-80% cumulus and cirrus (frames 8441-8446)
C - D	8447-8450	10:40:42	10:42:06	"	70% strato-cumulus (frames 8447-8450)
E - F	8451-8465	11:22:32	11:28:40	"	10-40% cumulus and thin cirrus (frames 8451-8465)
F - E	8466-8478	11:34:23	11:39:36	"	10-60% cumulus and cirrus (frames 8466-8478)
E - F	8479-8493	11:45:20	11:51:30	"	10-60% cumulus and cirrus (frames 8479-8493)



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