

MAC EUROPE FLIGHT SUMMARY REPORT

Flight #: 91-113
Date: 05 July 1991
Sensor Package: Airborne Visible and Infrared Imaging Spectrometer (AVIRIS)
 Thematic Mapper Simulator (TMS)
 Wild-Heerbrug RC-10
Area(s) Covered: Germany, Switzerland, Netherlands, France
Investigator(s): Clevers, Wageningen Agricultural U. **Aircraft #:** 706
 Fung, U. of Texas
 Itten U. of Zurich
 Ustin, U. of California/Sieber, JRCIRSA
 Vidal-Madjar, CNET
 Wensink, Delft Hydraulics
Flight Request: 91L255B, 91L257B, 91R284, 91L268B **Julian Date:** 186
 91R250, 91R286B

SENSOR DATA

Accession #:	-----	-----	04247
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:	-----	-----	104
% Overlap:	-----	-----	60
Quality:	-----	-----	Excellent
Remarks:			

**AVIRIS FLIGHT LINE DATA
FLIGHT NO. 91-113**

Sites	Flight Lines	Time Acquired	Latitude 1	Longitude 1	Latitude 2	Longitude 2
Freiburg, Germany	A - B	11:28:30	48-00.0	07-35.0	48-00.0	08-30.0
Freiburg, Germany	B - A	11:39:30	48-03.0	08-30.0	48-00.3	08-00.0
Freiburg, Germany	A - B	11:47:30	48-04.0	08-00.0	48-04.0	08-30.0
Freiburg, Germany	B - A	11:56:00	48-02.0	08-30.0	48-02.0	08-00.0
Rigi, Switzerland	C - D	12:08:00	48-11.4	08-29.0	46-55.5	08-29.6
Flevolands, Netherlands	E - F	13:06:30	52-17.7	05-32.3	52-22.9	05-15.3
Orgeval, France	I - J	13:55:00	48-58.0	03-12.5	48-48.0	03-12.5
Freiburg, Germany	A - B	14:46:30	48-04.0	08-00.0	48-04.0	08-30.0
Freiburg, Germany	B - A	14:54:00	48-02.0	08-30.0	48-02.0	08-00.0

TMS FLIGHT LINE DATA

FLIGHT NO. 91-113

DAEDALUS FLIGHT DATA
FLIGHT NUMBER: 91-113

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	Altitude feet/meter	Scan Speed (rps)	total G o o d s c a n l i n e s	total I n t e r p o l a t e d s c a n l i n e s	total R e p e a t e d s c a n l i n e s
A-B	11:28:43.0	11:35: 8.0	58435	63236	65000/19812	12.50	4795	0	7
B-A	11:39:25.0	11:43:11.0	66456	69284	65000/19812	12.50	2823	0	6
A-B	11:47:39.0	11:51:42.0	72634	75671	65000/19812	12.50	3038	0	0
B-A	11:55:13.0	11:58:59.0	78298	81133	65000/19812	12.50	2836	0	0
C-D	12:15:42.0	12:18:57.0	93664	96098	65000/19812	12.50	2431	0	4
E-F	13:06:34.0	13:09:13.0	131807	133803	65000/19812	12.50	1989	0	8
G-H	13:14:56.0	13:15:18.0	138089	138367	65000/19812	12.50	279	0	0
I-J	13:54:44.0	13:57: 9.0	167939	169746	65000/19812	12.50	1803	0	5
K-J	14:02:38.0	14:03:53.0	173855	174797	65000/19812	12.50	943	0	0
I-J	14:15: 6.0	14:17:32.0	183205	185027	65000/19812	12.50	1818	0	5
A-B	14:46:25.0	14:50:23.0	206688	209668	65000/19812	12.50	2974	0	7
B-A	14:54: 2.0	14:59: 8.0	212399	216232	65000/19812	12.50	3834	0	0

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 91-113**

Accession # 04247

Sensor # 026

Page 1/2

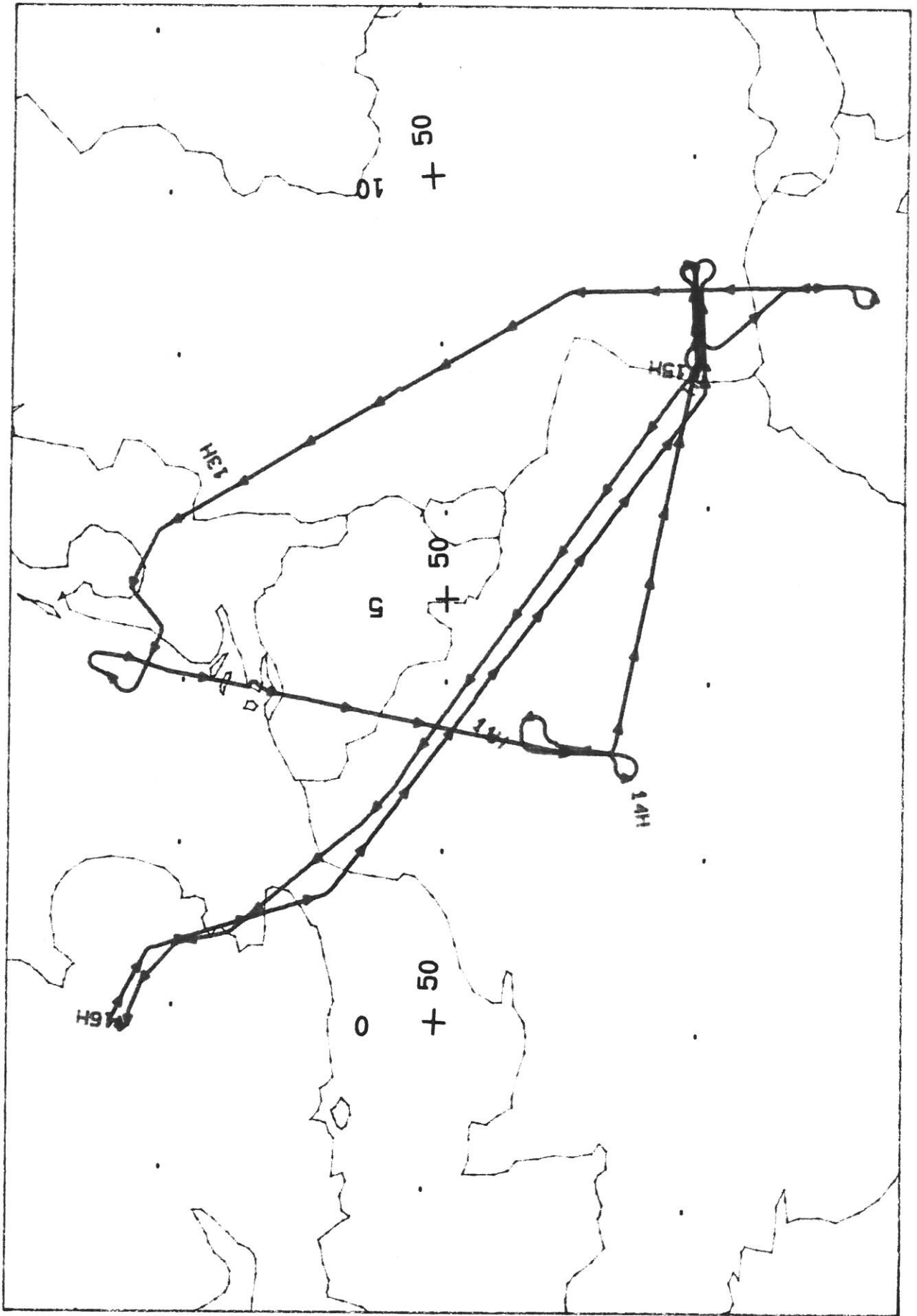
Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	4316-4329	11:28:54	11:35:01	65000/19800	10% minor cumulus (frames 4316-4317, 4322-4325); 10-20% cumulus and cirrus (frames 4326-4328); 20% cumulus (frame 4329)
B - A	4330-4338	11:39:36	11:43:21	"	20% cumulus (frames 4330-4332); 20% cumulus and cirrus (frames 4333-4335); 10% cumulus and cirrus (frames 4336-4338)
A - B	4339-4347	11:47:50	11:51:35	"	10-20% thin cirrus and cumulus (frames 4339-4347)
B - A	4348-4355	11:55:23	11:58:40	"	10-20% cumulus (frames 4348-4351); 10-20% cirrus and cumulus (frames 4352-4355)
C - D	4356-4363	12:15:45	12:18:38	"	10% cirrus and cumulus (frames 4356-4363)
E - F	4364-4370	13:06:37	13:09:02	"	10% thin cirrus (frames 4369-4370)
G - H	4371-4375	13:15:02	13:15:35	"	10% thin cirrus (frames 4371-4375)

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 91-113**

Accession # 04247

Sensor # 026

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
I - J	4376-4382	13:54:47	13:57:12	65000/19800	10% cumulus (frames 4376-4380)
K - J	4383-4386	14:02:41	14:03:42	"	Clear
I - J	4387-4393	14:15:08	14:17:33	"	10% cumulus (frames 4387-4389)
A - B	4394-4403	14:46:31	14:50:19	"	10-20% cumulus (frames 4394-4400); 10-20% cumulus and cirrus (frames 4401-4403)
B - A	4404-4415	14:54:07	14:58:51	"	10-20% cumulus and cirrus (frames 4404-4414)
L - M	4416-4419	15:01:23	15:01:36	"	Very minor cirrus



FLIGHT 91-113

5 JULY 1991

A/C 706

AVIRIS / TMS RC-10



ONC F-2

MACELM MISSION #1A/11A

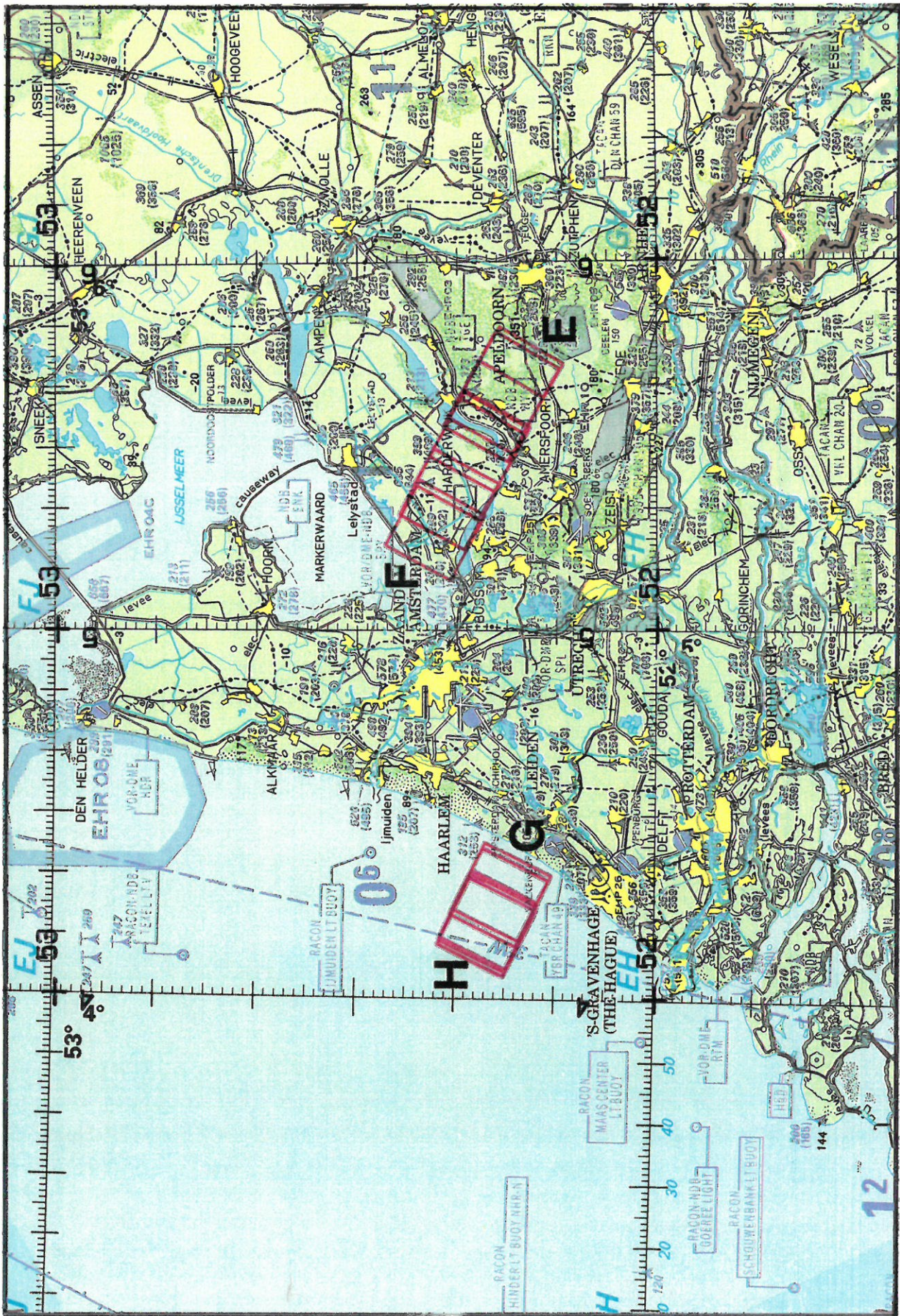
Accession # 04247

RC-10

A/C 706

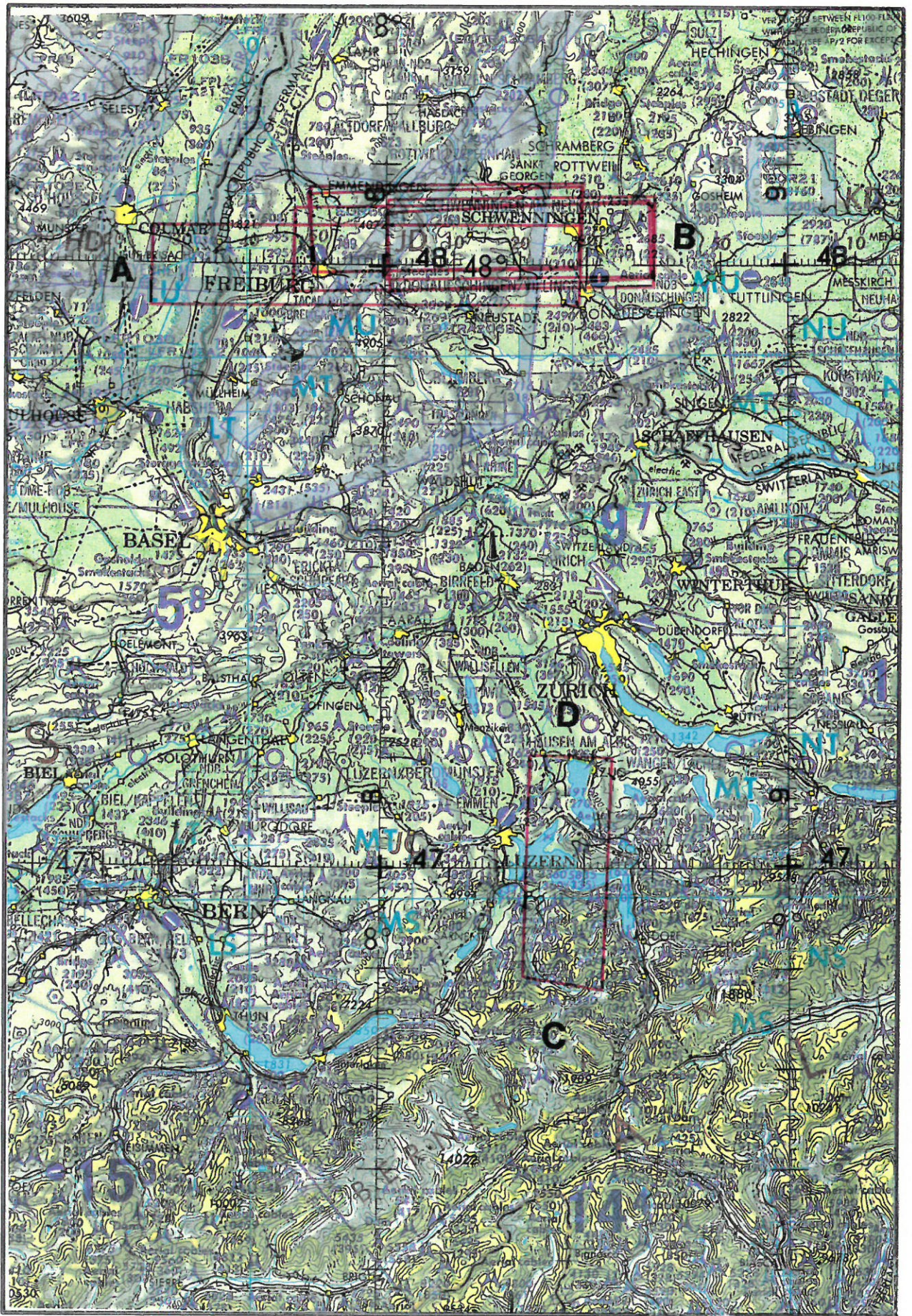
5 July 1991

FLIGHT 91-113





FLIGHT 91-113 5 July 1991 A/C 706 RC-10 Accession # 04247 MACELR Mission #1A/11A ONC E-2



ONC F-2

Thematic Mapper Simulator (TMS)

A/C 706

5 July 1991

FLIGHT 91-113



