

MAC EUROPE FLIGHT SUMMARY REPORT

Flight #: 91-118
Date: 19 July 1991
Sensor Package: Airborne Visible and Infrared Imaging Spectrometer (AVIRIS)
 Thematic Mapper Simulator (TMS)
 Wild-Heerbrug RC-10
Area(s) Covered: Italy
Investigator(s): Canuti, University of Florence
 Fiumara, Telespazio S.P.A.
 Pieri, JPL
 Vetrella, Engineering Faculty of Naples
Aircraft #: 706
Flight Request: 91R287B, 91R291B, 91G218D,
 91R102B
Julian Date: 200

SENSOR DATA

Accession #:	-----	-----	04256
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:	-----	-----	77
% Overlap:	-----	-----	60
Quality:	-----	-----	Excellent
Remarks:			

**AVIRIS FLIGHT LINE DATA
FLIGHT NO. 91-118**

Sites	Flight Lines	Time Acquired	Latitude 1	Longitude 1	Latitude 2	Longitude 2
Oltrepo Pavese, Italy	A - B	10:31:00	44-58.0	09-09.8	45-08.0	09-09.8
Montespertoli, Italy	C - D	10:50:00	43-44.0	11-05.1	43-32.0	11-08.8
Matera, Italy	E - F	11:37:00	40-38.0	16-37.0	40-46.0	16-37.0
Matera, Italy	G - H	11:46:00	40-38.0	16-37.0	40-46.0	16-37.0
Matera, Italy	E - F	11:58:00	40-38.0	16-37.0	40-46.0	16-37.0
Vulcano, Italy	I - J	12:22:00	38-32.0	14-58.0	38-20.0	14-58.0
Etna, Italy	K - L	12:28:00	37-54.0	15-00.0	37-31.0	15-00.0
Etna, Italy	M - N	12:39:00	37-35.0	14-53.0	37-53.0	14-53.0
Etna, Italy	O - P	12:47:00	37-53.0	15-06.0	37-35.0	15-06.0
Vulcano, Italy	Q - R	12:59:00	38-20.0	14-58.0	38-32.0	14-58.0

TMS FLIGHT LINE DATA

FLIGHT NO. 91-118

DAEDALUS FLIGHT DATA
FLIGHT NUMBER: 91-118

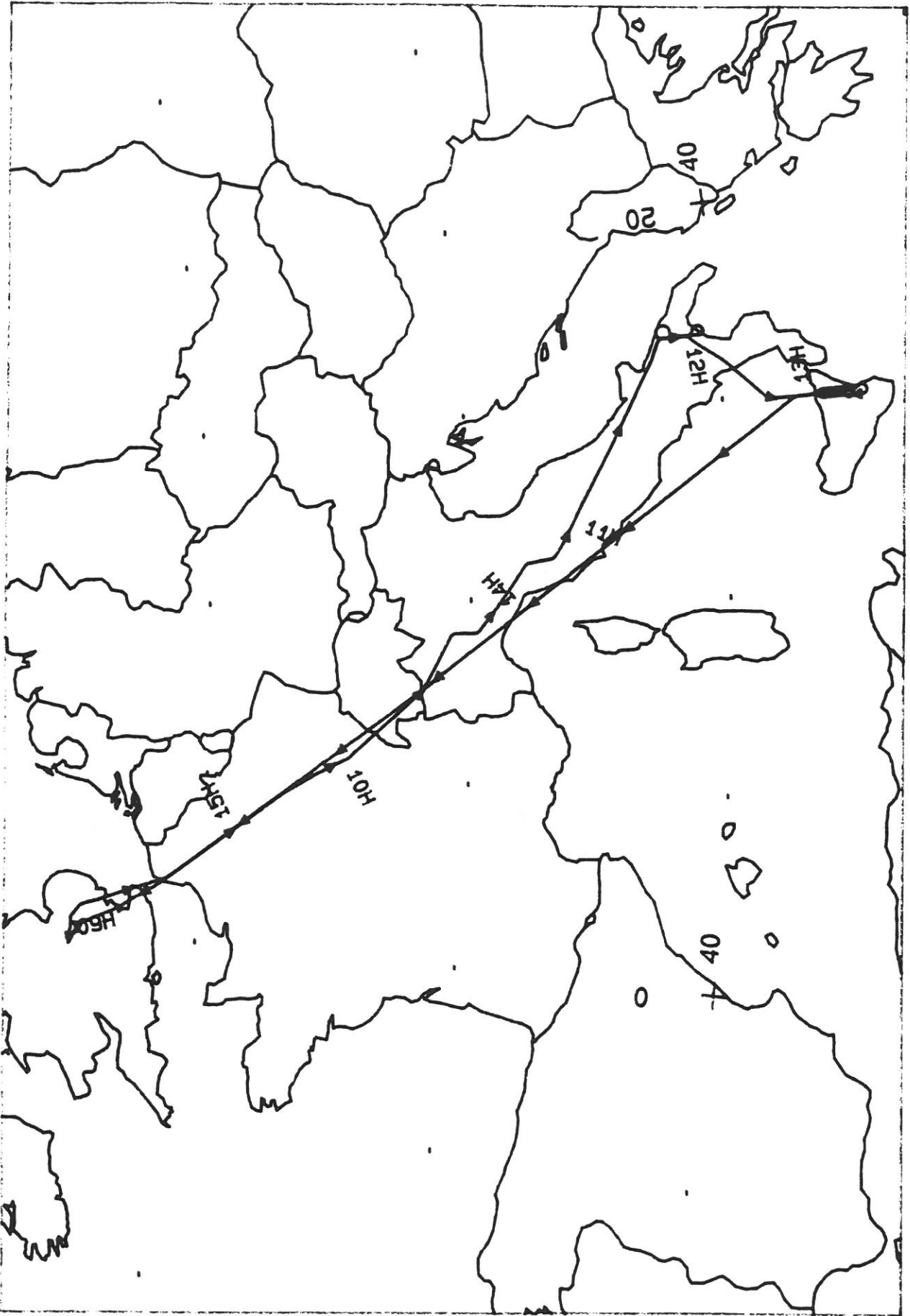
Check Points	A c t u a l		A c t u a l		Altitude feet/meter	Scan Speed (rps)	t o t a l		t o t a l	
	t i m e b e g i n	t i m e e n d	s c a n l i n e b e g i n	s c a n l i n e e n d			s c a n l i n e s	i n t e r p o l a t e d s c a n l i n e s	s c a n l i n e s	r e p e a t e d s c a n l i n e s
A-B	10:30:47.0	10:33:26.0	77201	79194	65000/19812	12.50	1984	0	0	10
C-D	10:49:50.0	10:52:44.0	91462	93660	65000/19812	12.50	2174	0	0	5
E-F	11:37:22.0	11:39:40.0	127133	128859	65000/19812	12.50	1725	0	0	2
G-H	11:46:46.0	11:49:7.0	134190	135951	65000/19812	12.50	1762	0	0	0
E-F	11:57:36.0	11:59:49.0	142316	143969	65000/19812	12.50	1654	0	0	0
I-J	12:21:57.0	12:24:37.0	160574	162572	65000/19812	12.50	2002	0	0	2
K-L	12:27:42.0	12:32:7.0	164863	168195	65000/19812	12.50	3310	0	0	5
M-N	12:38:36.0	12:42:7.0	173063	175697	65000/19812	12.50	2628	0	0	7
O-P	12:46:40.0	12:50:16.0	179105	181614	65000/19812	12.50	2703	0	0	7
Q-R	12:59:13.0	13:01:50.0	186527	190488	65000/19812	12.50	1956	0	0	4

CAMERA FLIGHT LINE DATA
FLIGHT NO. 91-118

Accession # 04256

Sensor # 026

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	8233-8238	10:31:30	10:33:50	65000/19800	Clear
C - D	8239-8246	10:50:28	10:53:20	"	Clear
E - F	8247-8253	11:37:57	11:40:22	"	Clear
G - H	8254-8260	11:47:23	11:49:47	"	Clear
E - F	8261-8266	11:58:13	12:00:10	"	Clear
I - J	8267-8273	12:22:32	12:24:56	"	Clear
K - L	8274-8284	12:28:20	12:32:36	"	10-30% cumulus (frames 8274-8284)
M - N	8285-8293	12:39:09	12:42:29	"	10% cumulus (frames 8288-8289, 8291-8292)
O - P	8294-8302	12:47:14	12:50:34	"	Very minor cumulus (frames 8294-8296); 10-30% cumulus (frames 8299-8302)
Q - R	8303-8309	12:59:52	13:02:16	"	Clear



FLIGHT 91-118 19 JULY 1991 A/C 706 AVIRIS / TMS / RC-10 ITALY



FLIGHT 91-110

19 July 1991

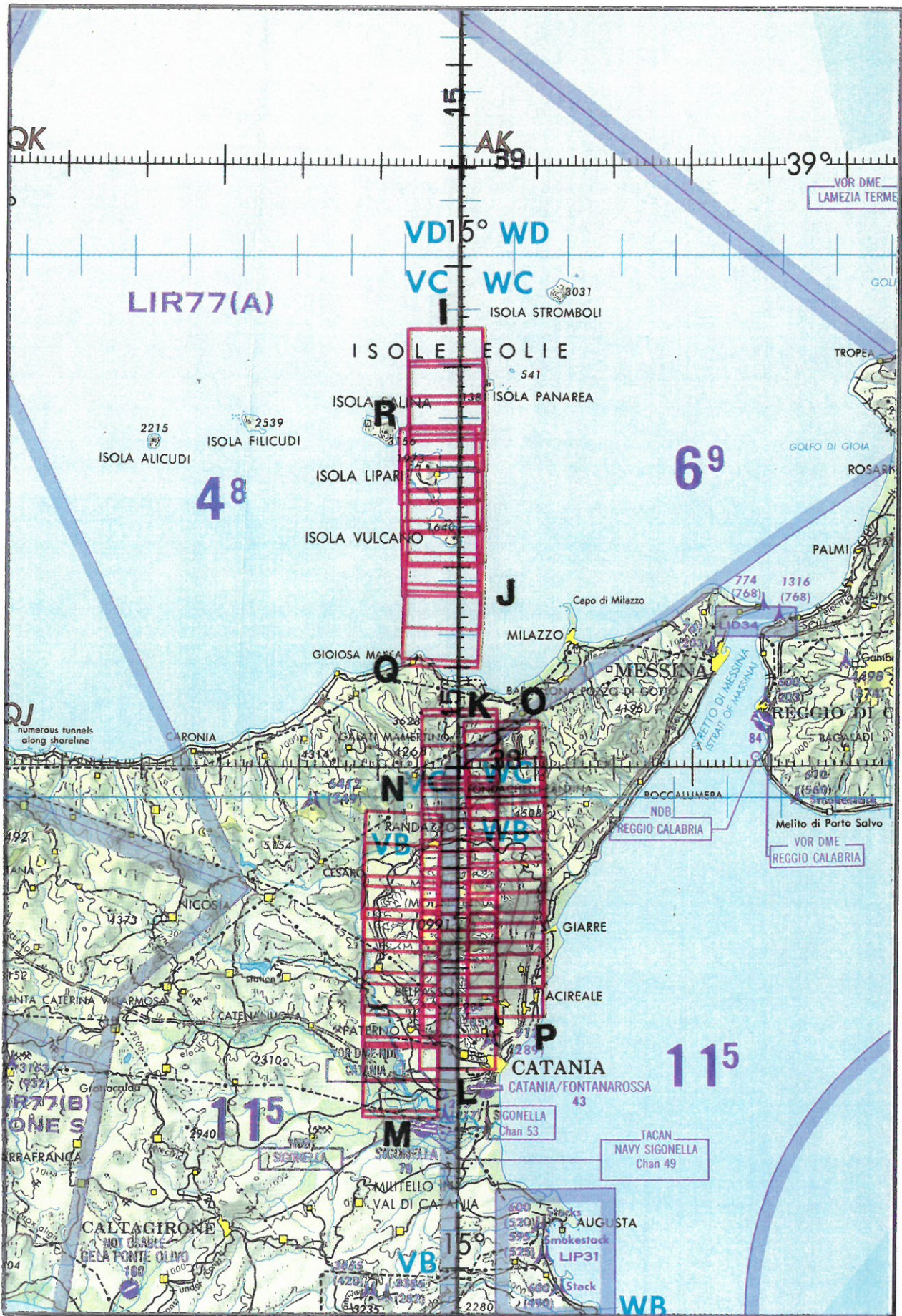
A/C 706

AVIRIS / TMS / RC-10

Accession # 04856

ONC F-2





CNC 6-2

Accession # 04256

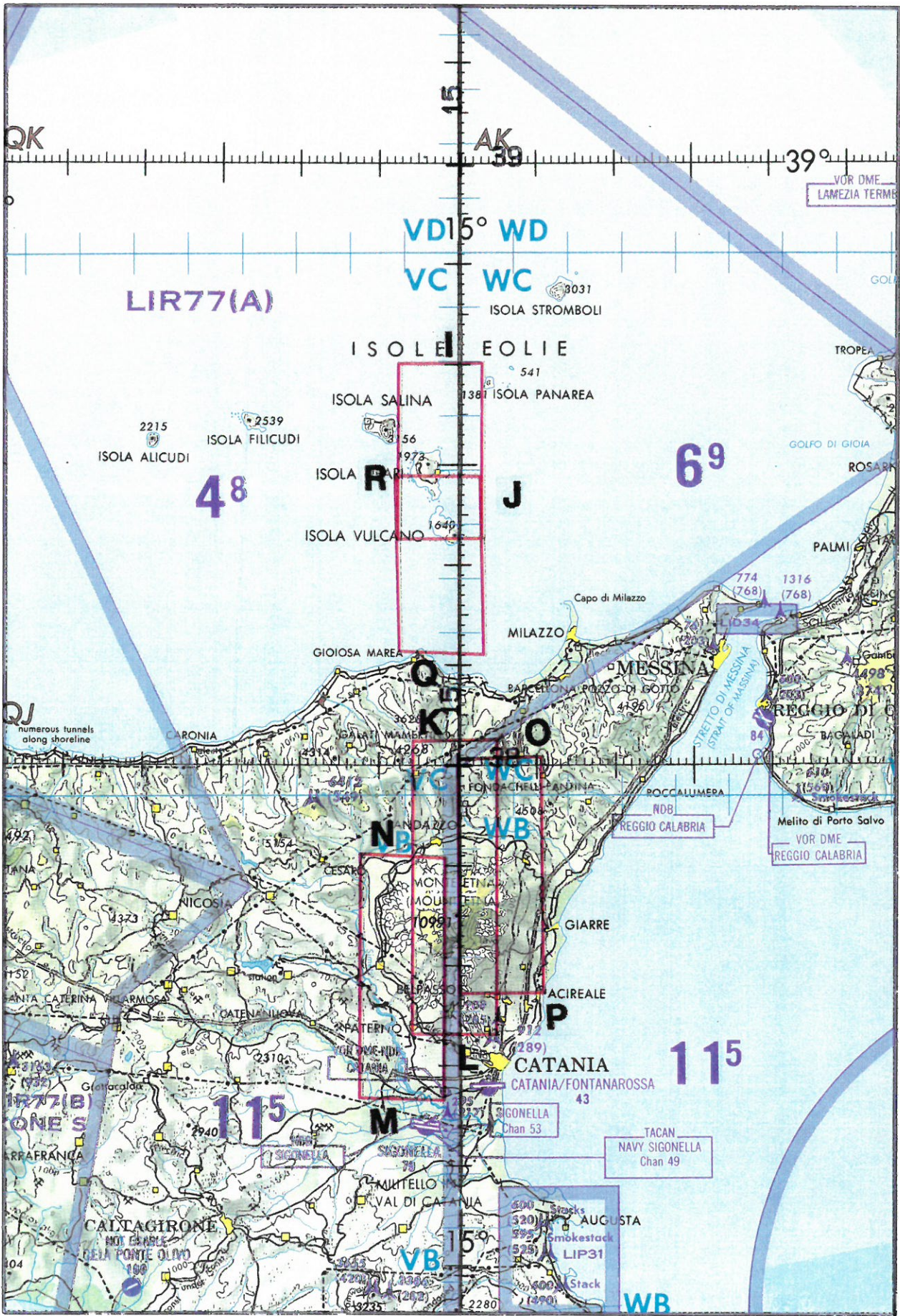
AVIRIS / TMS / RC-10

A/C 706

19 July 1991

FLIGHT 91-118





ONC 6-2

Thematic Mapper Simulator (TMS)

A/C 706

19 July 1991

FLIGHT 91-116