

# MAC EUROPE FLIGHT SUMMARY REPORT

**Flight #:** 91-115  
**Date:** 15 July 1991  
**Sensor Package:** Airborne Visible and Infrared Imaging Spectrometer (AVIRIS)  
 Thematic Mapper Simulator (TMS)  
 Wild-Heerbrug RC-10  
**Area(s) Covered:** Spain  
**Investigator(s):** Jochum, DLR  
 Rowan, USGS  
 Sotin, U. of Paris-Sud  
 Wadge, NREC  
**Aircraft #:** 706  
**Flight Request:** 91R273B, 91G269, 91R274, 91R283,  
**Julian Date:** 196

## SENSOR DATA

<b>Accession #:</b>	----	----	04253
<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>	----	----	52
<b>% Overlap:</b>	----	----	60
<b>Quality:</b>	----	----	Excellent

**Remarks:**

Time code generator  
mis-set to GMT +1 hr.

**AVIRIS FLIGHT LINE DATA**  
**FLIGHT NO. 91-115**

Sites	Flight Lines	Time Acquired	Latitude 1	Longitude 1	Latitude 2	Longitude 2
Serrania de Ronda, Spain	A - B	12:49:00	36-42.1	04-57.9	36-35.3	04-50.0
Serrania de Ronda, Spain	C - D	13:01:00	36-38.0	05-07.7	36-32.6	04-54.2
Serrania de Ronda, Spain	E - F	13:12:00	36-27.9	05-15.0	36-36.5	05-01.3
Carboneras, Spain	G - H	13:37:00	36-49.0	02-05.0	37-05.0	01-52.0
Castilla La Mancha, Spain	I - J	13:55:00	38-52.0	12-12.0	39-10.0	02-12.0
Castilla La Mancha, Spain	K - L	14:04:00	39-10.0	02-05.0	38-52.0	02-05.0

# TMS FLIGHT LINE DATA

## FLIGHT NO. 91-115

DAEDALUS FLIGHT DATA  
FLIGHT NUMBER: 91-115

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	13:48:15.0	13:51: 6.0	133554	135692	65000/19812	12.50	2137	0	2
C-D	14:00: 5.0	14:02:59.0	142431	144613	65000/19812	12.50	2181	0	2
E-F	14:10:54.0	14:14: 7.0	150544	152955	65000/19812	12.50	2412	0	0
G-H	14:35:43.0	14:39:34.0	169156	172017	65000/19812	12.50	2886	0	6
I-J	14:54:26.0	14:58: 3.0	183184	185906	65000/19812	12.50	2709	0	14
K-L	15:03:24.0	15:06:56.0	189919	192568	65000/19812	12.50	2640	0	10

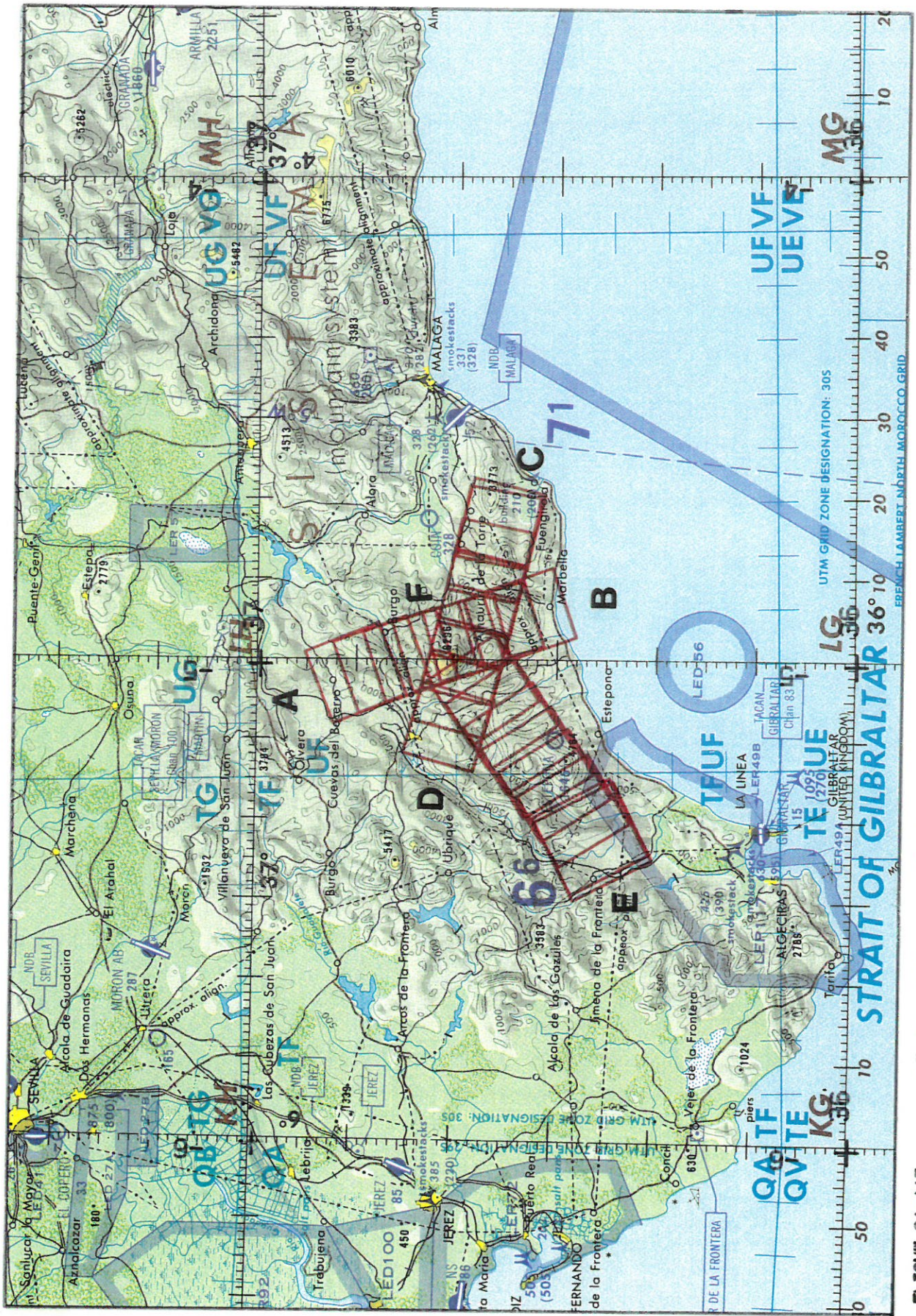
**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 91-115**

Accession # 04253

Sensor # 026

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	4510-4516	12:49:23	12:52:10	65000/19800	Clear
C - D	4517-4524	13:01:08	13:04:00	"	Clear
E - F	4525-4532	13:11:57	13:14:49	"	Clear
G - H	4533-4543	13:36:47	13:40:34	"	Very minor cirrus (frames 4533-4541)
I - J	4544-4552	13:55:28	13:58:47	"	Clear
K - L	4553-4561	14:04:27	14:07:47	"	Clear





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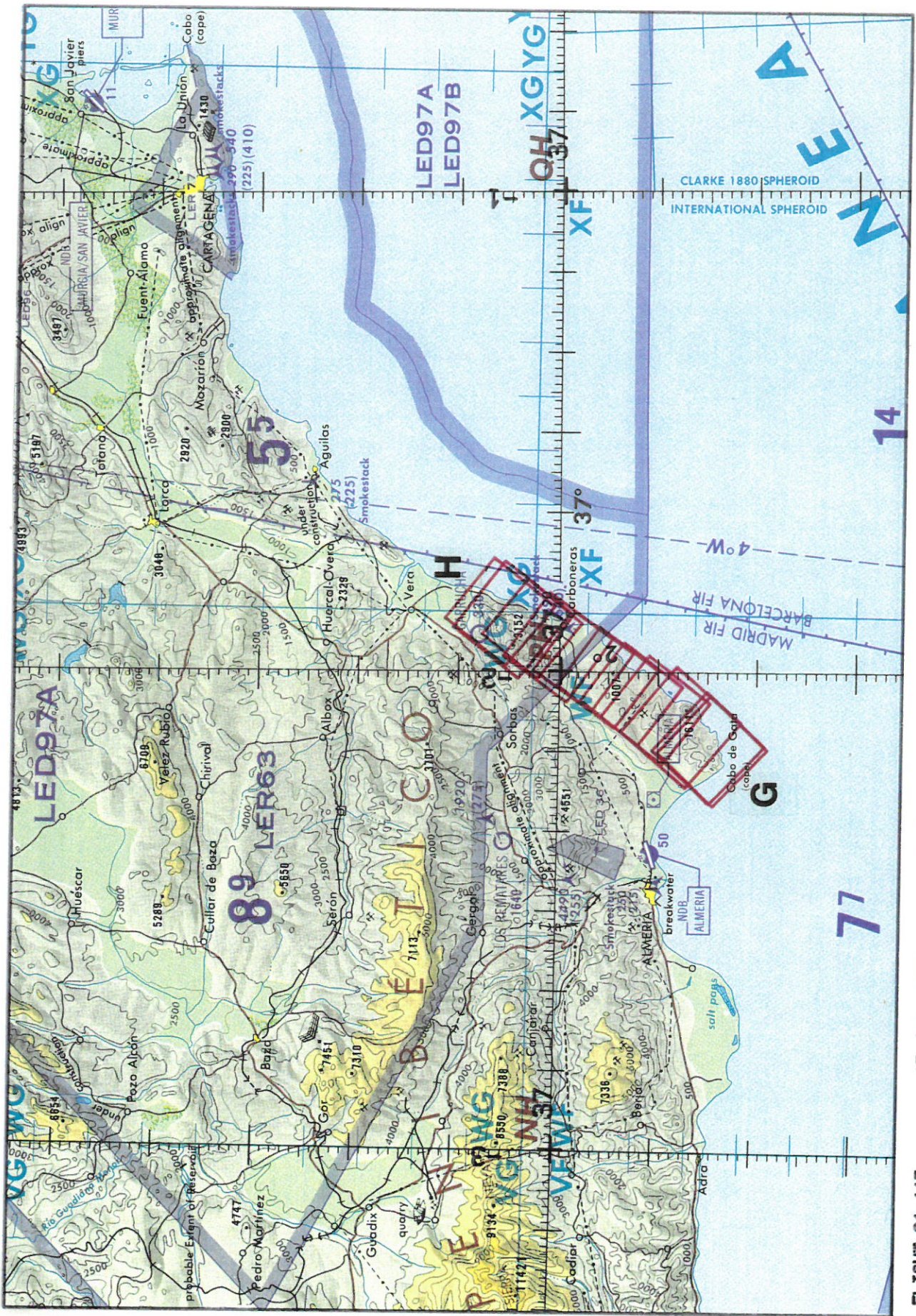
A/C 706

AVI813 / TME / RC-10

Accession # 04255

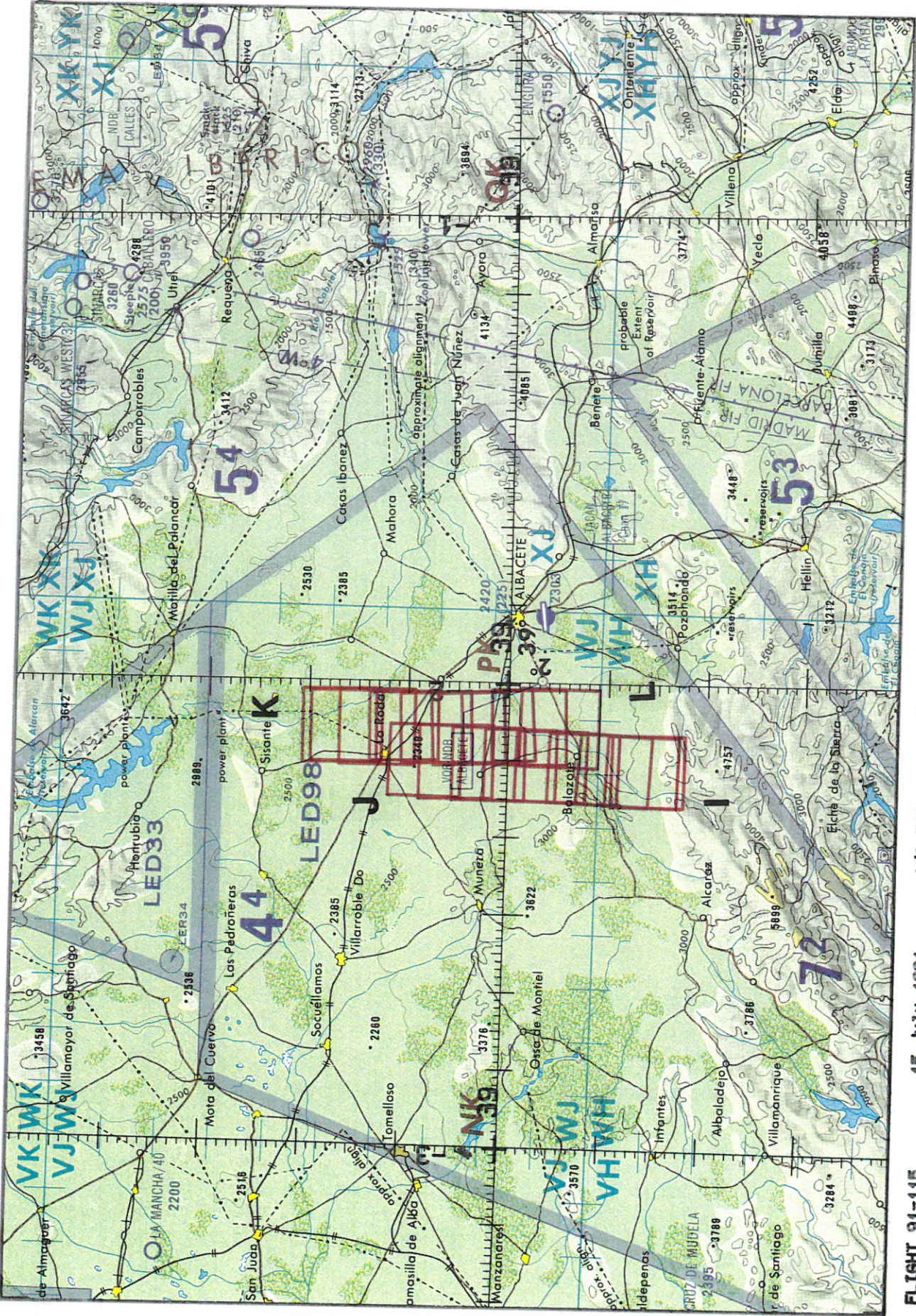
ONC 6--1





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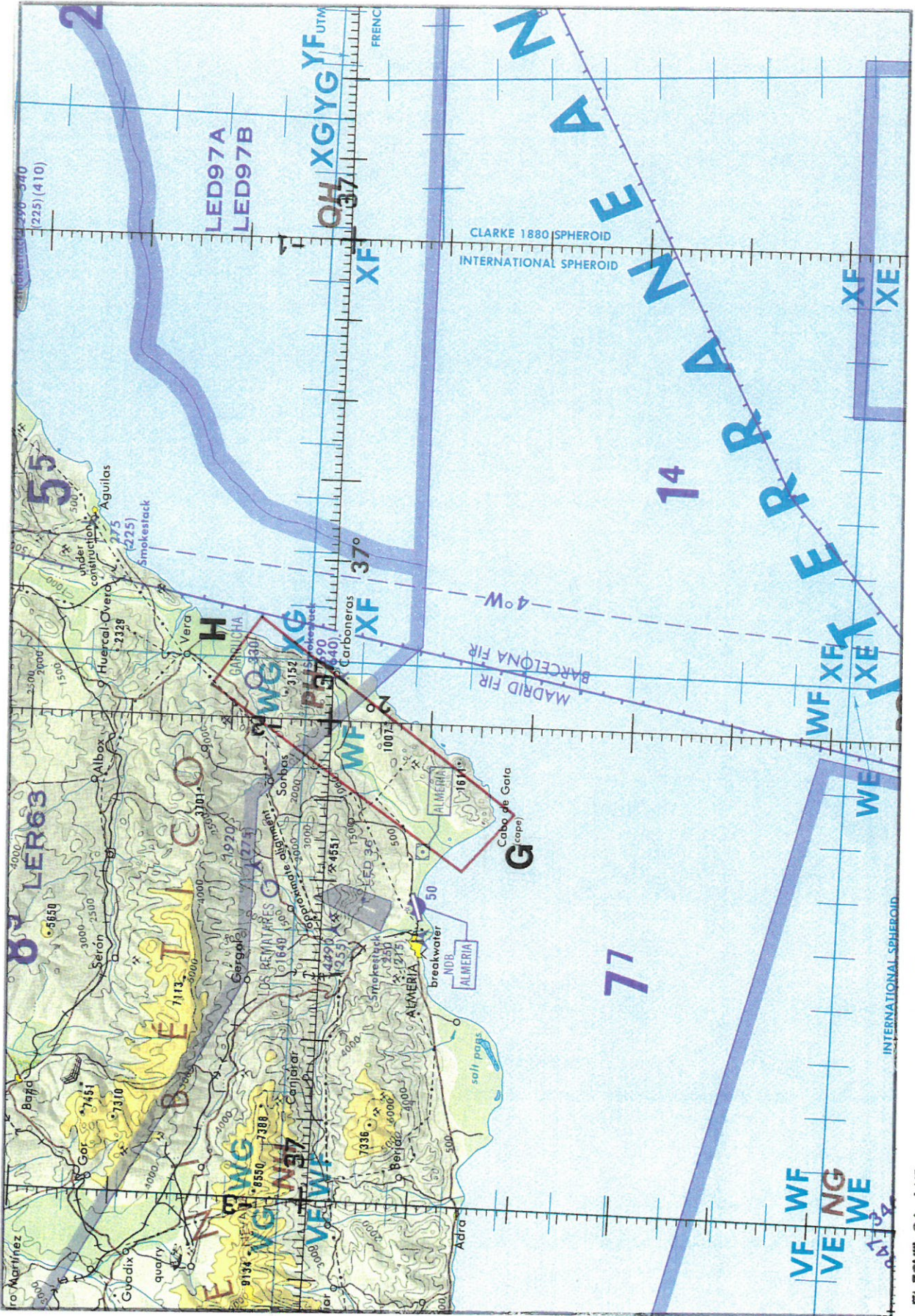


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A/C 706

Thematic Mapper Simulator (TMS)

ONC 6-1



