

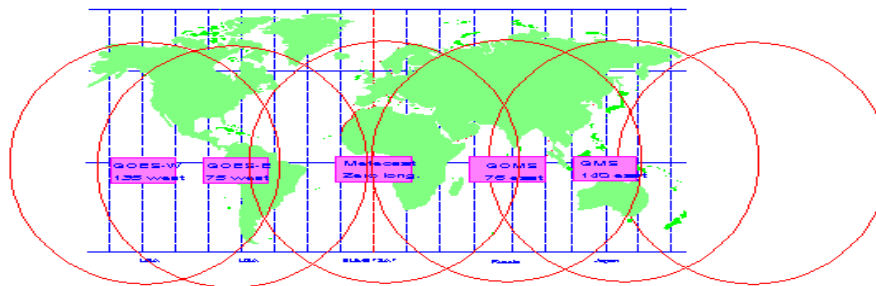
## Satélites Geoestacionarios

Satélite	Longitud
GOES – W	135° – West
GOES – E	75° – West
MeteoSat	0°
GOMS	75° – East
GMS	140° – East

**METEOSAT (EUMESAT)**  
**MET - 7**



### CGMS Nominal Geostationary Image Data Coverage



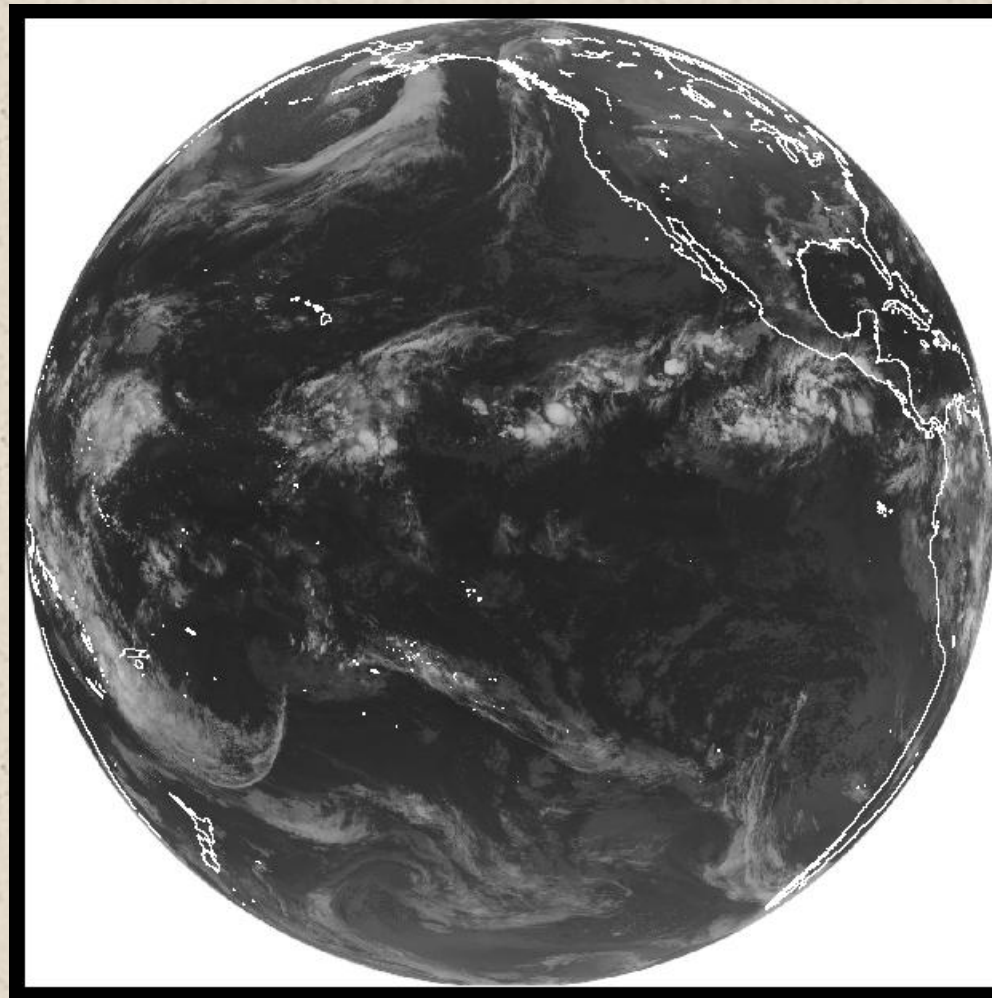
CGMS XXIII, May 1995

IR

GOES-W

22/10/02

06:00  
utc



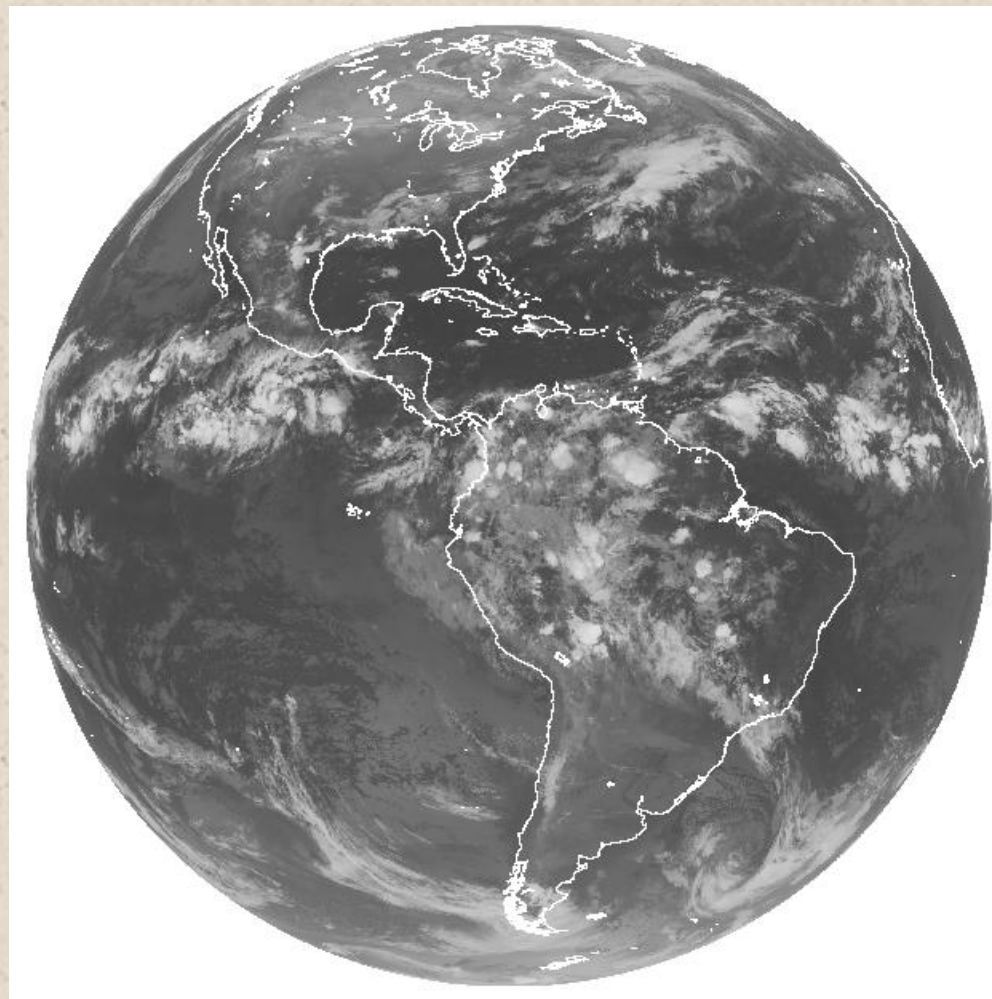
IR

GOES-E

22/10/02

06:00

utc

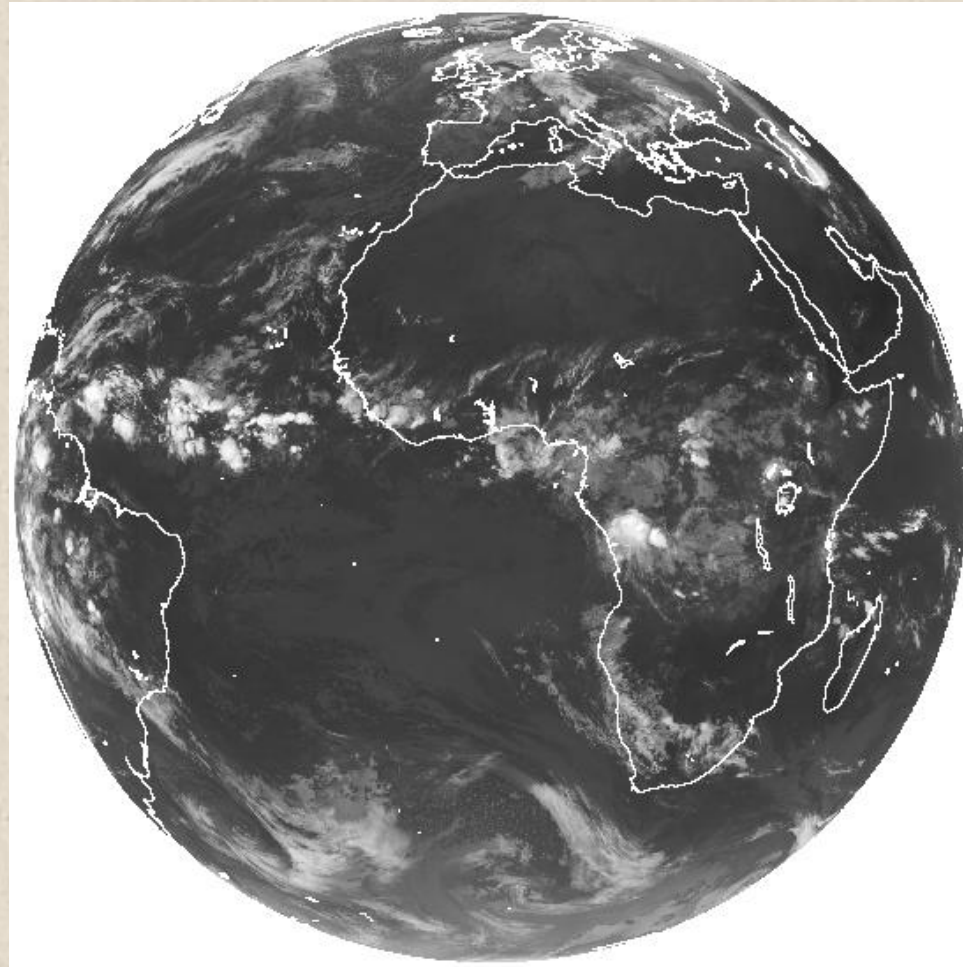


Seudo animación en .../images/goes



## METEOSAT

IR



22/10/02

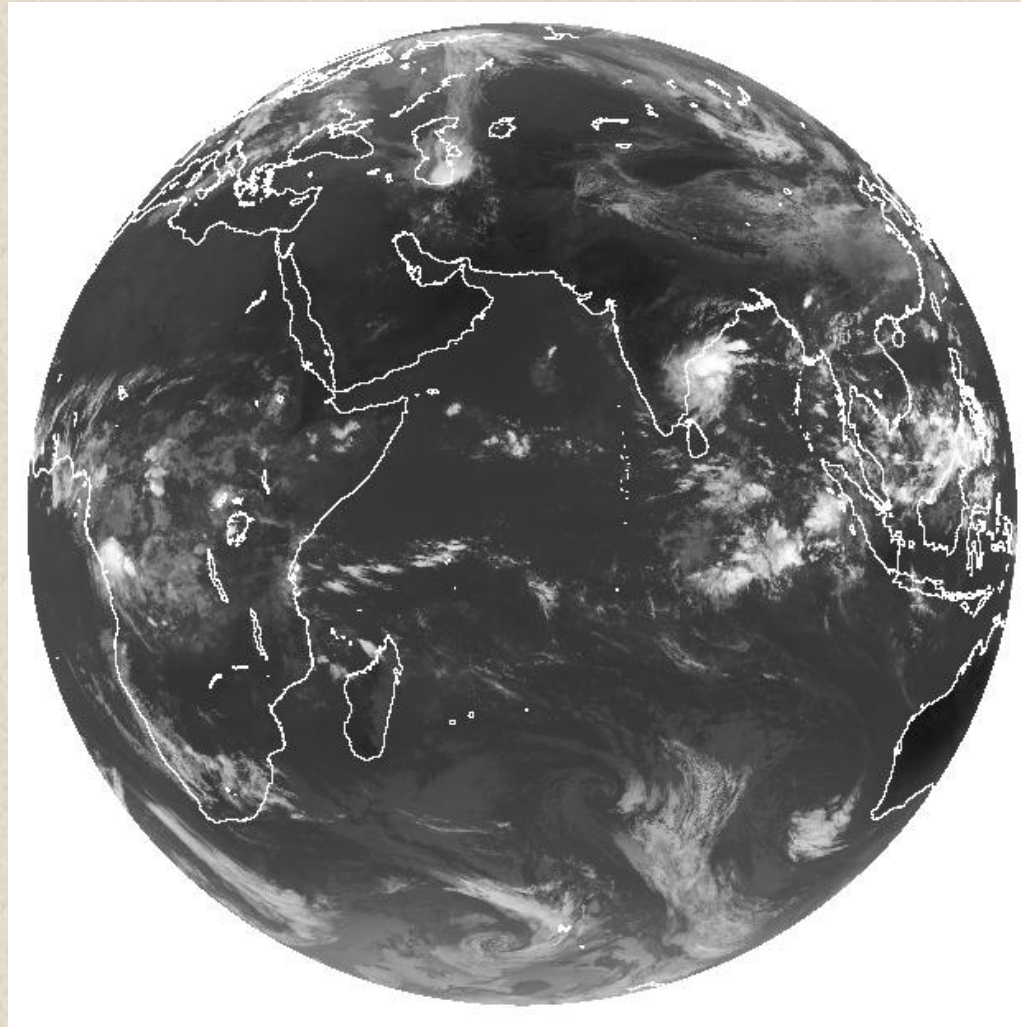
06:00  
utc

**GOMS**

**IR**

**22/10/02**

**06:00  
utc**

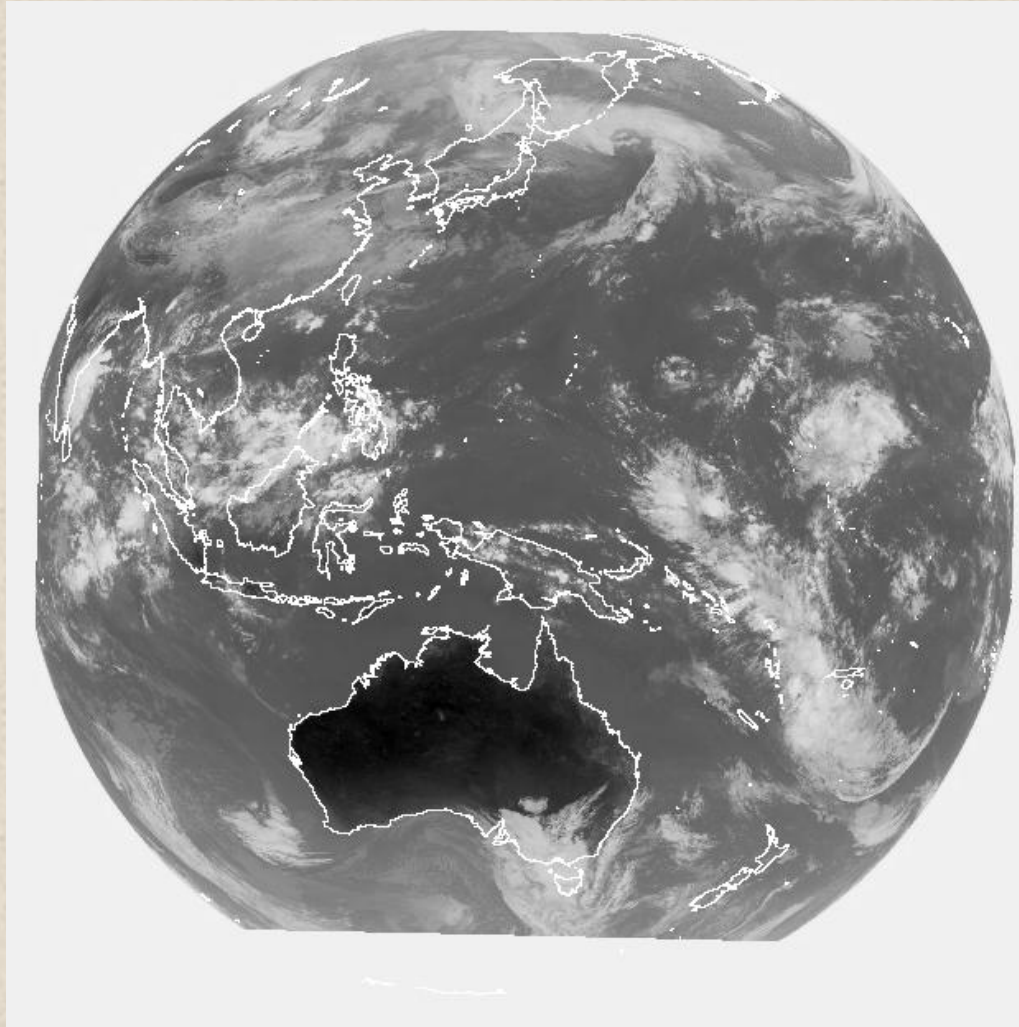


**GMS**

**IR**

**22/10/02**

**06:00  
utc**





# Bandas utilizadas en teledetección atmosférica

- MeteoSat**

0.5 – 0.9 $\mu\text{m}$	Visible VIS
5.7 – 7.1 $\mu\text{m}$	Vapor de Agua WV
10.5 – 12.5 $\mu\text{m}$	Infrarrojo Térmico IR

- NOAA**

Ch_1	0.55 - 0.68 $\mu\text{m}$	Visible
Ch_2	0.72 – 1.10 $\mu\text{m}$	Visible
Ch_3	3.55 – 3.93 $\mu\text{m}$	Banda 3
Ch_4	10.5 – 11.5 $\mu\text{m}$	IR
Ch_5	11.5 - 12.5 $\mu\text{m}$	IR

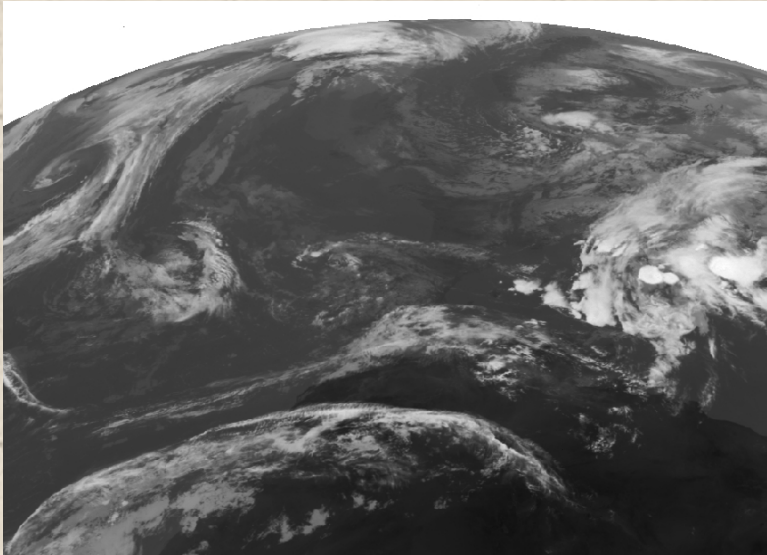
**Otras bandas:** MSU (microondas), Bandas de absorción de gases atmosféricos,  $\text{CO}_2$ ,  $\text{O}_2$ ,  $\text{N}_2\text{O}$ ,  $\text{H}_2\text{O}$ ,  $\text{O}_3$

## Resolución horizontal en el punto subsatélite

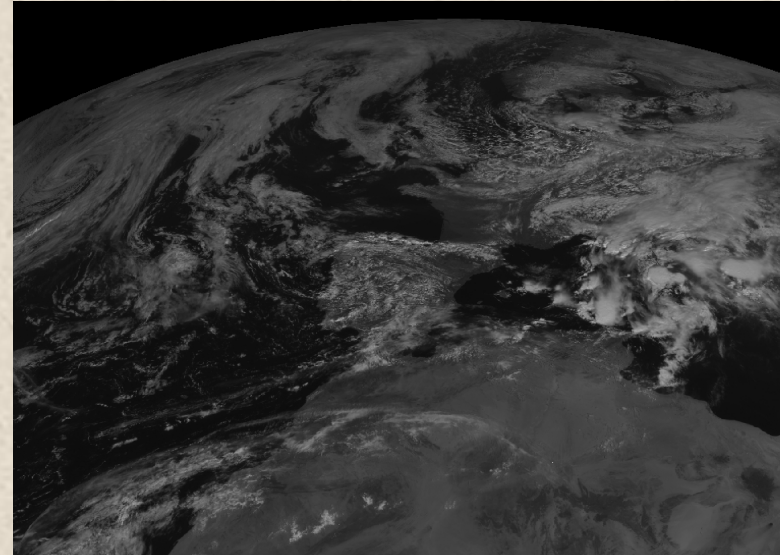
MeteoSat:		NOAA:
IR	$5 \times 5 \text{ km}^2$	$1,1 \times 1,1 \text{ km}^2$
VIS	$2.5 \times 2.5 \text{ km}^2$	

# Comparación de imágenes de MeteoSat

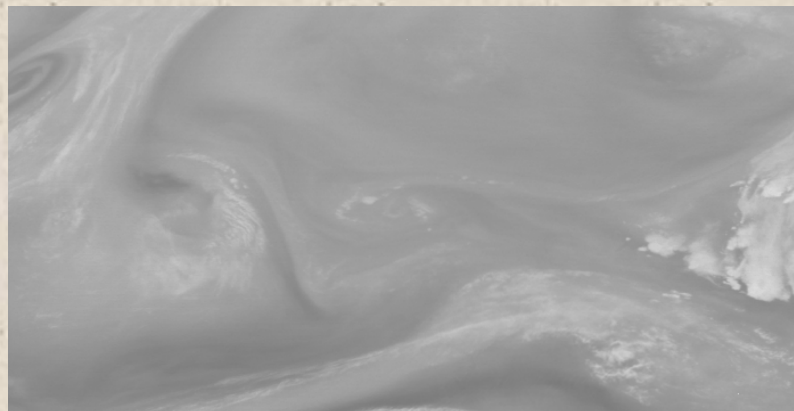
IR



VIS



WV



22 sept 02

11:00 utc



Ejemplos de imágenes de meteosat en las tres bandas

buscar en [... /images/pdus/ejemplo/ir](#)  
[... /images/pdus/ejemplo/vis](#)  
[... /images/pdus/ejemplo/wv](#)

Otros ejemplos

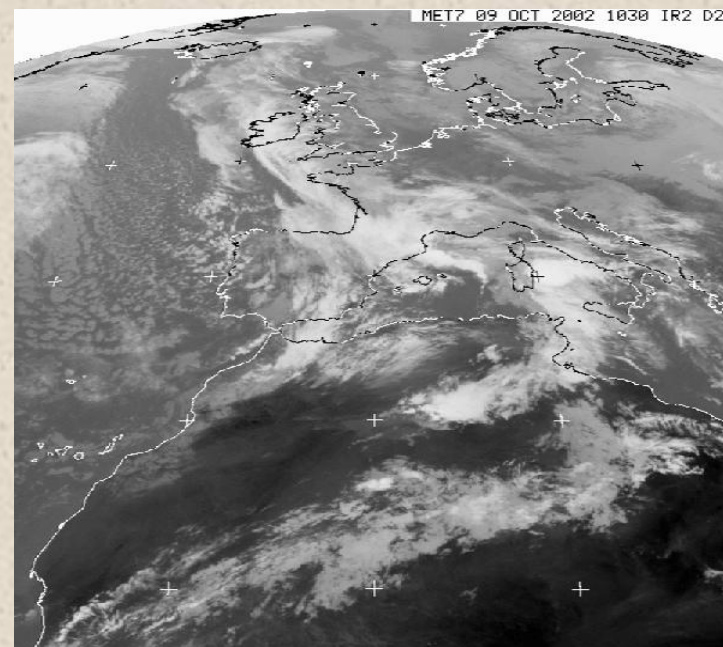
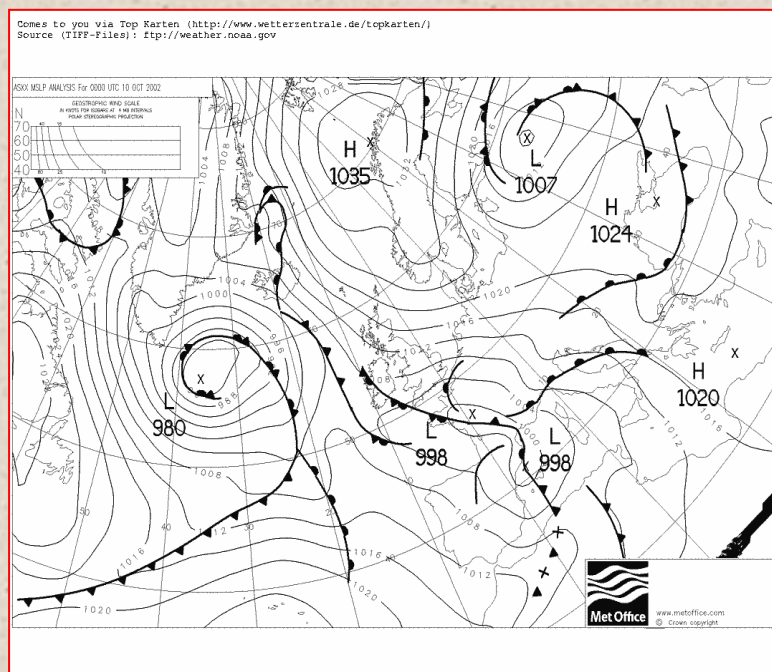
[30 ene 04](#)

[23 mar 04](#)

# Imágenes de MeteoSat.

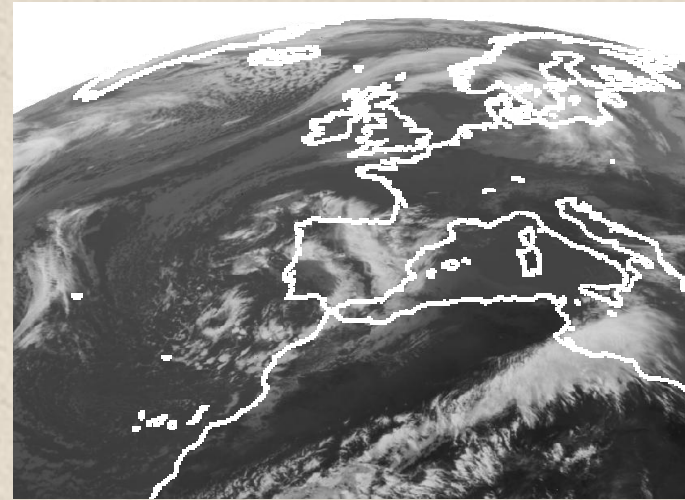
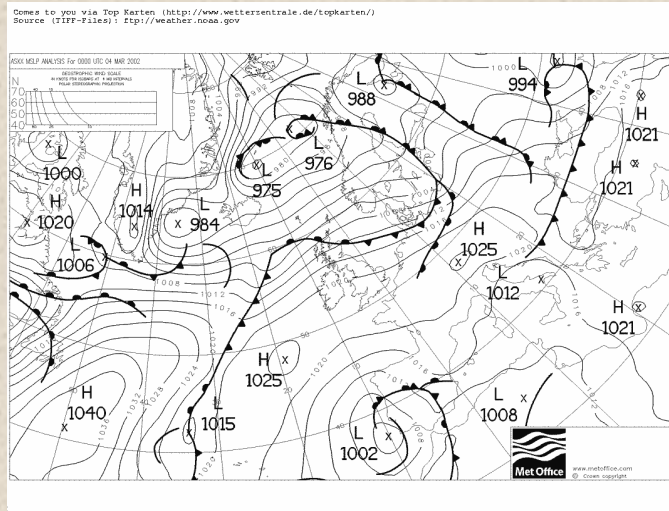
## Relación con la situación sinóptica

10-oct-2002

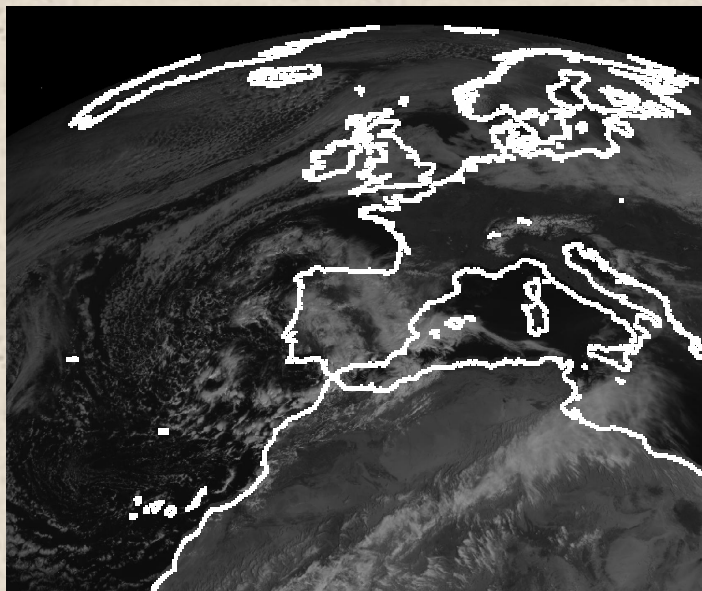


# Borrascas y frentes

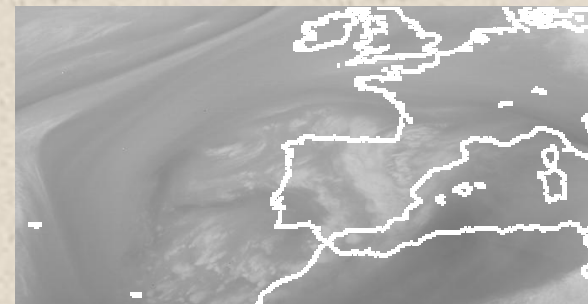
4 de marzo de  
2002



IR



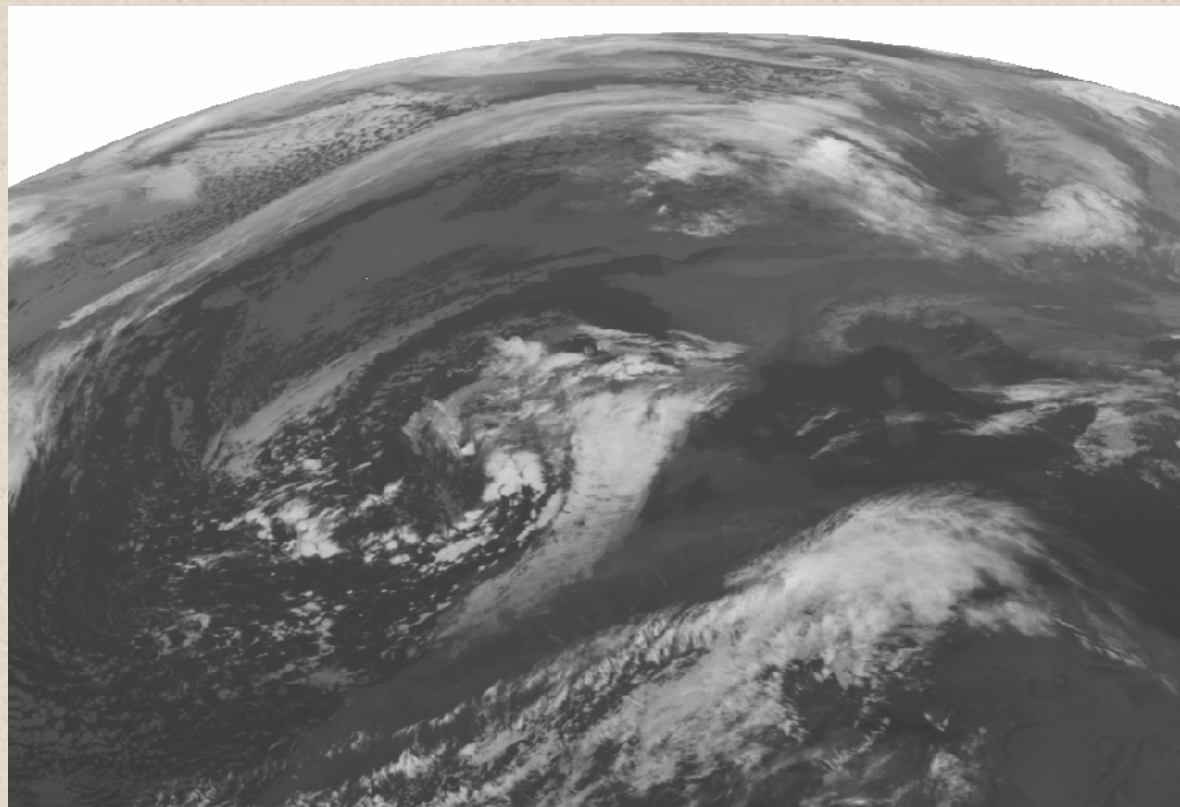
VIS



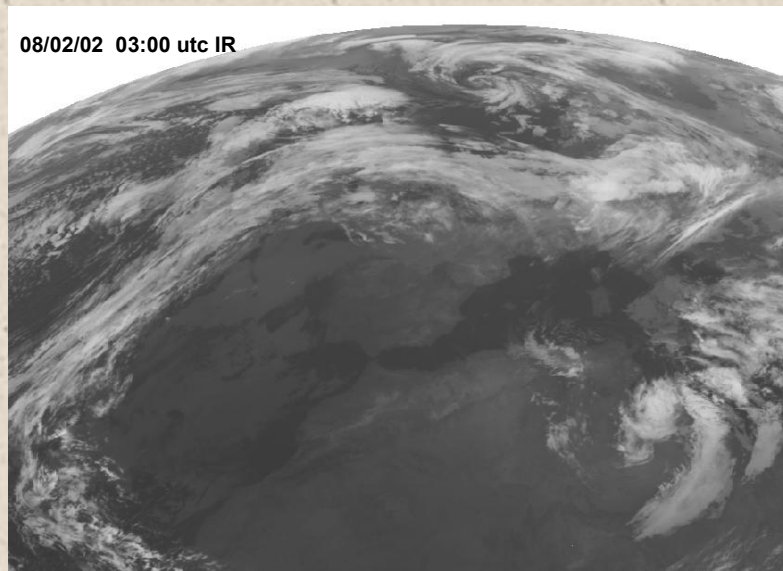
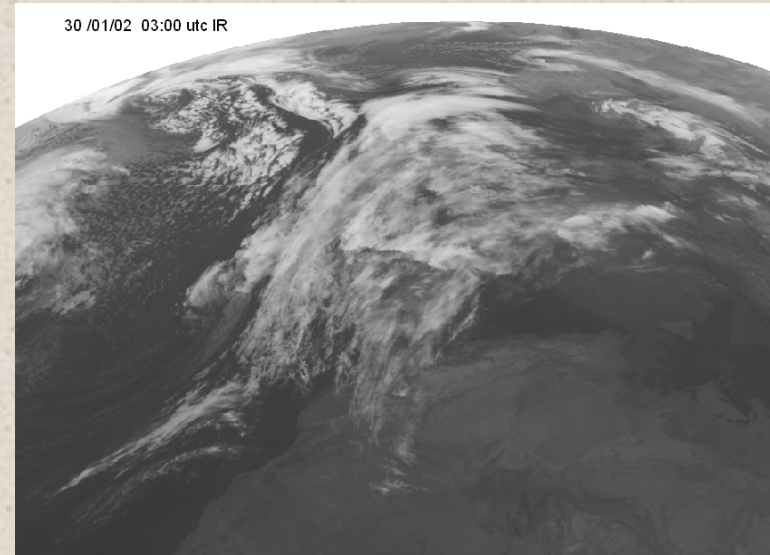
WV



## Ejemplo de borrasca



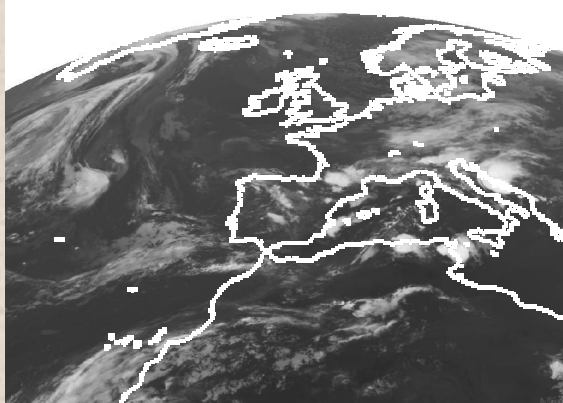
## Nubes altas (cirros)



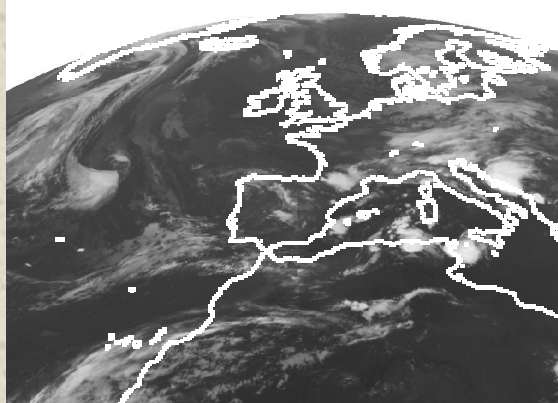
## Nubes bajas y nieblas

# Cúmulos

21/09/02 21:00 utc IR



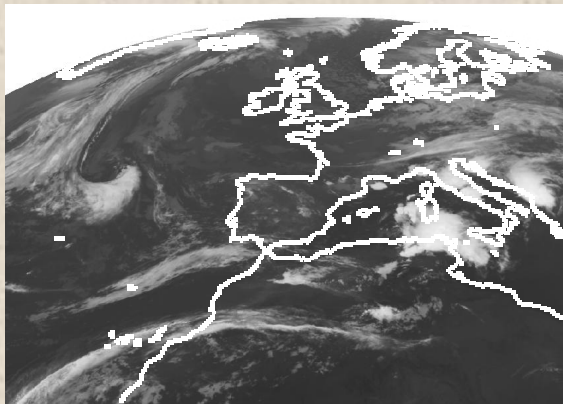
21/09/02 22:00 utc IR



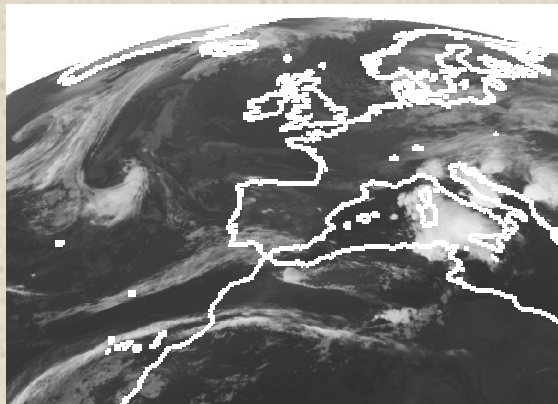
21/09/02 23:00 utc IR



22/09/02 00:00 utc IR



22/09/02 01:00 utc IR



22/09/02 02:00 utc IR

