

VISOR: Real time observations visualizer

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AEMET (Spanish Meteorological Agency)*

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VISOR: web visualizer for real time observations



How it works?

VISOR
Visualizador de Observaciones en tiempo Real

Martes 16 - 16:05:37
Estaciones: 15:00 - 16:04
100/9326

Radar: 15:40 - 15:50
PPI (dBZ)

Satélite: 15:30
Intensidad de Precipitación Convectiva (mm/h)

Legend

Menu

Time control

15:04:35 16:04:35

Estaciones

Todas	+	
AEMET	SAHs	DGT
MetCii	Wunder	Auton
Otros	Atmo	

T	Max	Min	HR	
Vie	Vis	Pre	Nie	
R1	3	6	12	24
P1	3	6	12	24

Filtrar Borrar

Escala: Normal Avisos
Unidades: km/h kt

Avisos

Sin avisos

CLYRadar

2D	Nac	3D	Reg	2D	Reg
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Filtrar Borrar

Escala: Normal Adversidad

Rayos

No	Sí	+	-	G
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Radar

No	PPI	VIL	ECHO
Ac01	Ac06	Ac24	

Satélite

No	+		
HRV	10.8	0.6	6.2
MA	PL	SD	NI
CT	CRR	PC	TPW

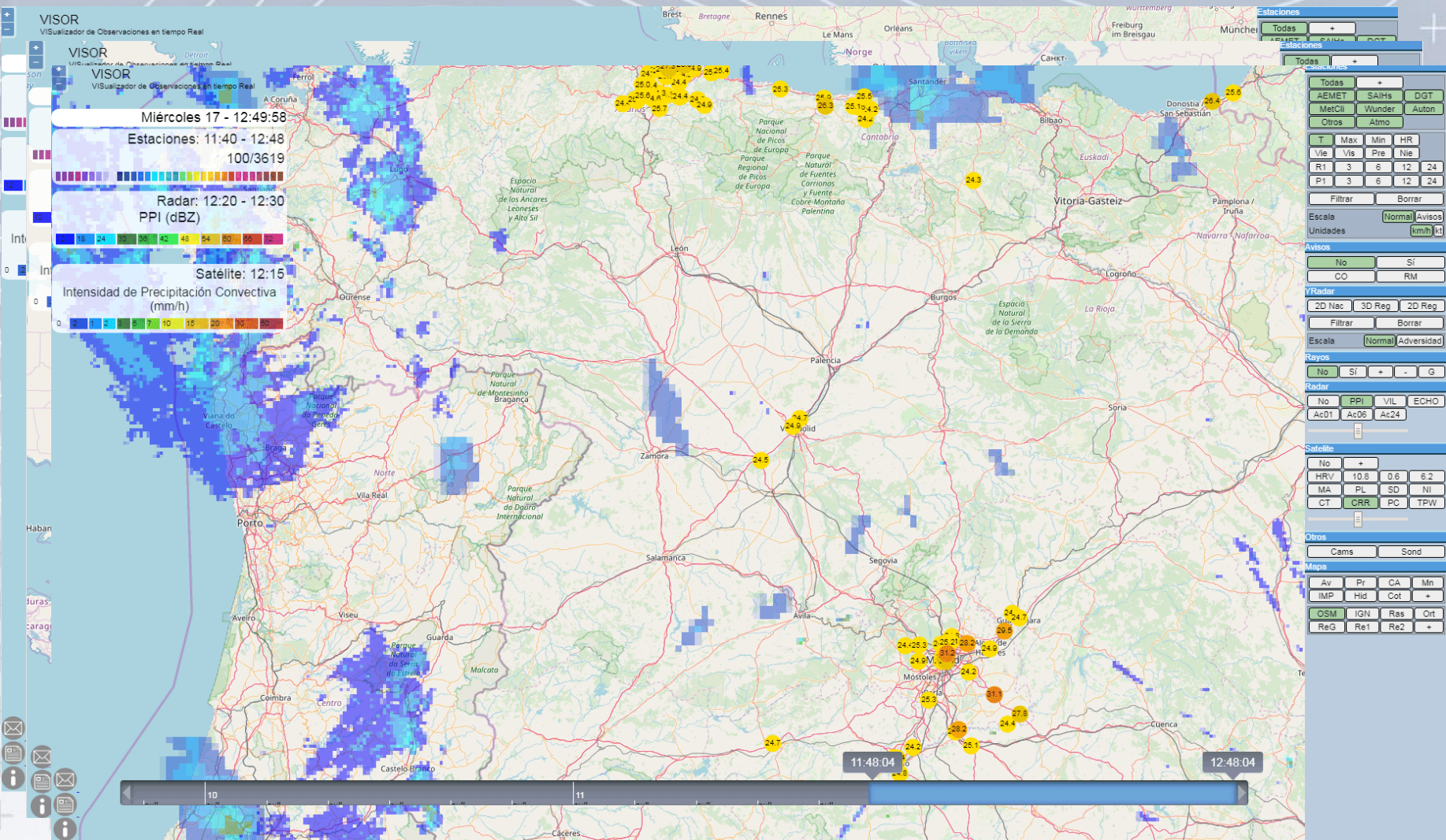
Otros

Cams	Sond
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Mapa

Av	Pr	CA	Mn
IMP	Hid	Cot	+
OSM	IGN	Ras	Ort
ReG	Re1	Re2	+

Zoom in and zoom out



Menu

Estaciones			
Todas	+		
AEMET	SAIHs	DGT	
MetCli	Wunder	Auton	
Avamet	Atmo		

Surface weather stations

SAIHs	
Todos	
Cantábrico	

Autonómicos	
Meteo Galicia	
Servei Catalunya	
Euskalmet	
Navarra	
Rioja	
Murcia	



Weather station filters

T	Max	Min	HR	
Vie	Vis	Pre	Nie	
R1	3	6	12	24
P1	3	6	12	24

Filtrar Borrar

Escala Normal Avisos

Unidades km/h kt

Warnings

Avisos	
No	Sí
P1	TO

YRADAR products

YRADAR		
2D Nac	3D Reg	2D Reg

Filtrar Borrar

Escala Normal Adversidad

Lightning information

Rayos				
No	Sí	+	-	G

RADAR products

Radar			
No	PPI	VIL	ECHO
Ac01	Ac06	Ac24	

Satellite products

Satellite			
No	+		
HRV	10.8	0.6	6.2
MA	PL	SD	NI
CT	CRR	PC	TPW

MSG						RGB			
HRV	VIS06	VIS08	NIR16	SD	IR039	Polvo	MAire	Natur	MicN
WV62	WV73	WV62R	WV73R	IR087	IR097	Ceniz	NieN	Conv	AIRes
IR108	PREV	IR120	IR134						

NWC SAF											
Nubes			Precipitación			Aire claro			Convección y Viento		
CMA1	CT1	CTTH1	PC1	CRR1	CRR2	BL	ML	HL	TPW	HRWP	HRWB
CTTH2	CTTH3	CTB	PCPh1	CRPh1	CRPh2	CRPh3	LI	KI	SHW	RDT	

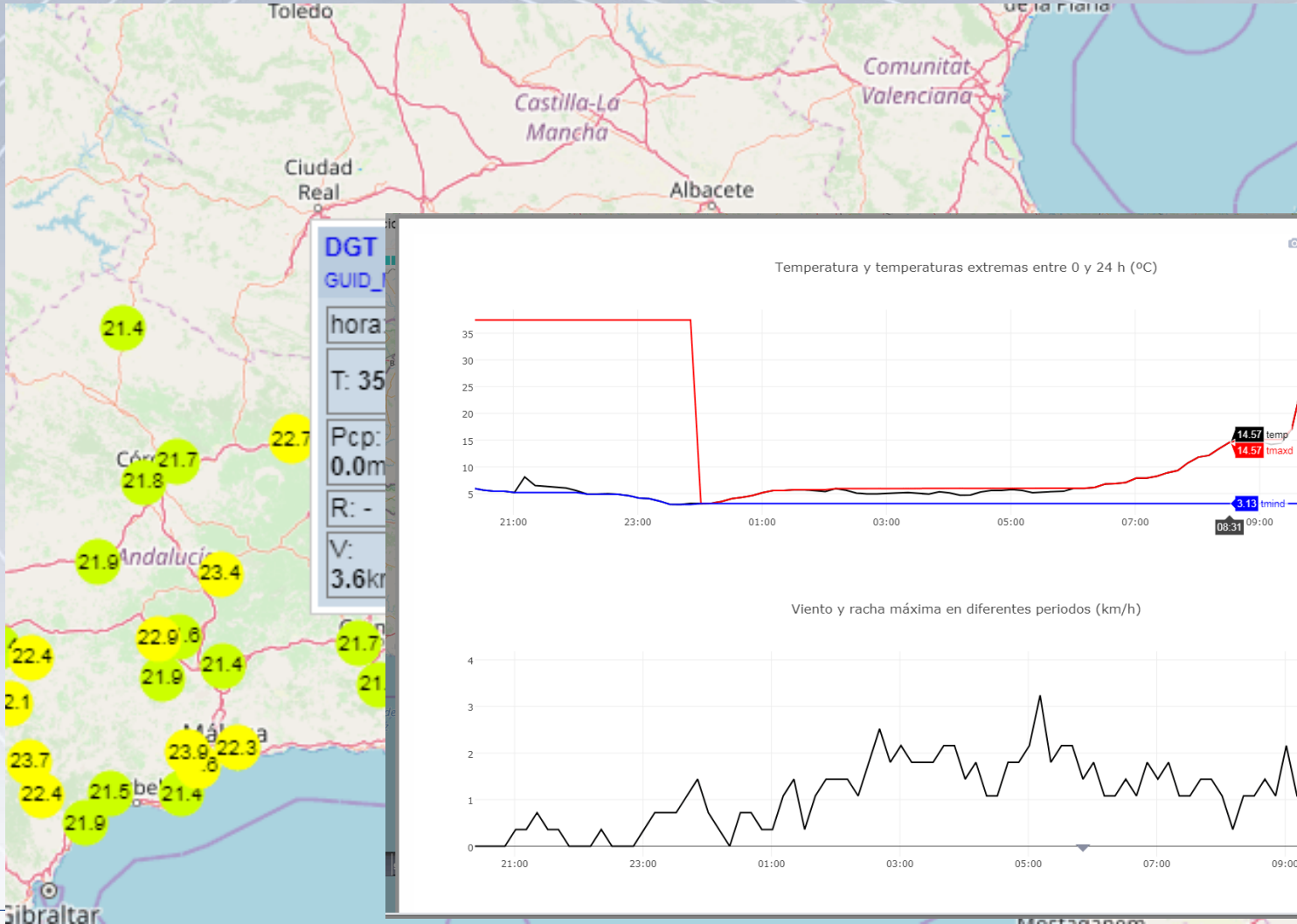
Web cams & soundings

Otros	
Cams	Sond

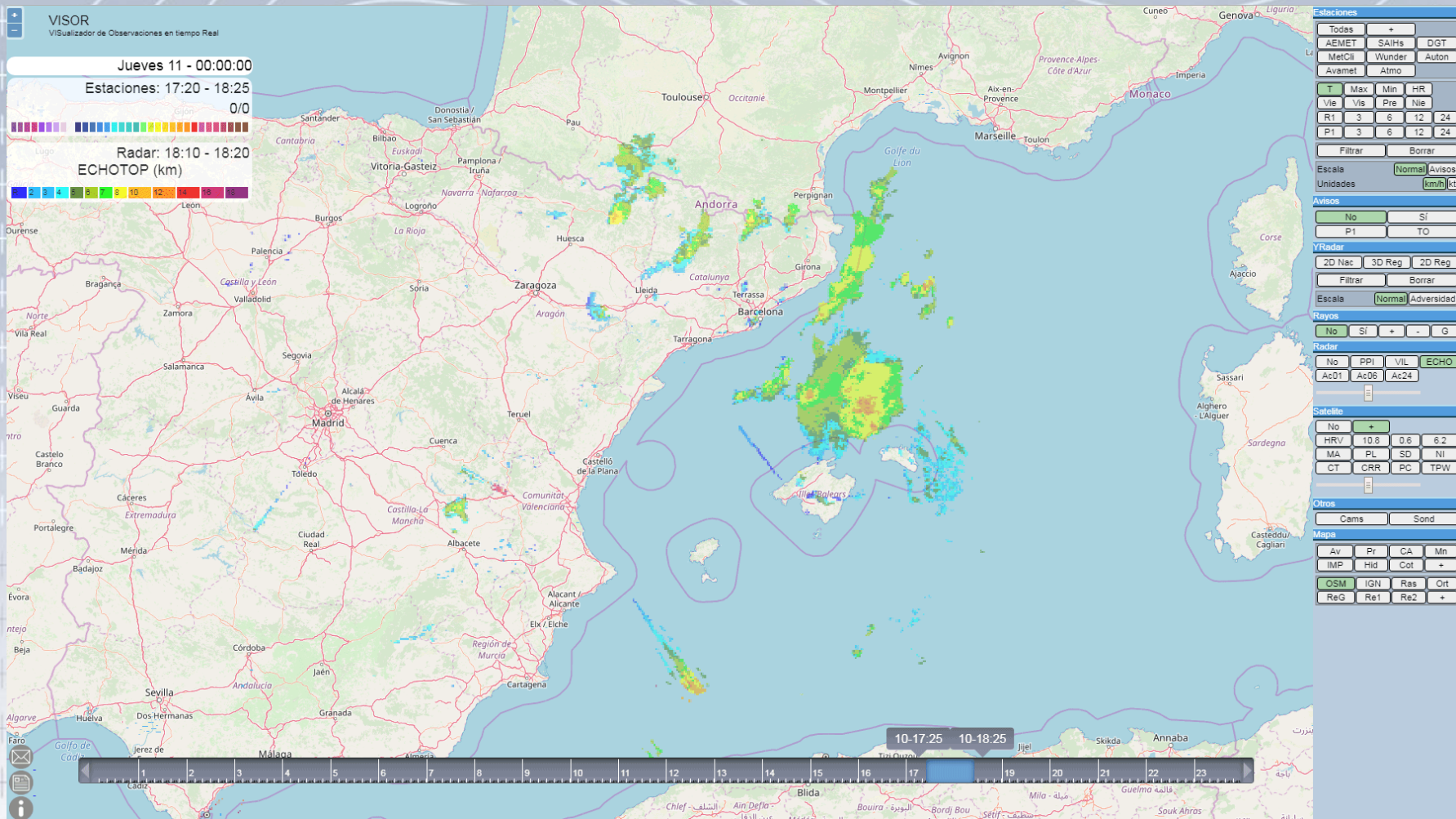
Several maps, limits, color scales...

Mapa			
Av	Pr	CA	Mn
IMP	Hid	Cot	+
OSM	IGN	Ras	Ort
ReG	Re1	Re2	+

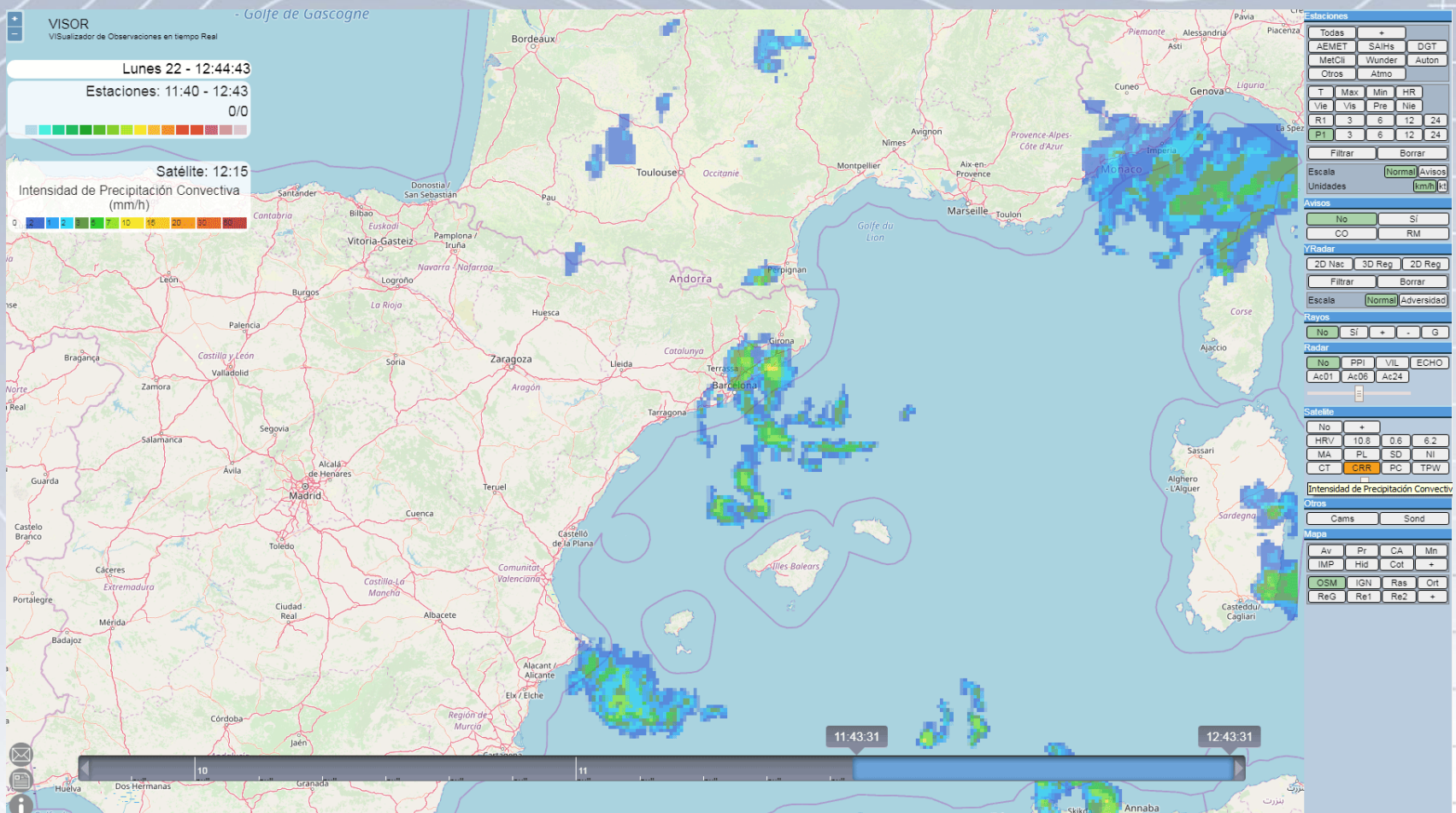
Surface weather stations



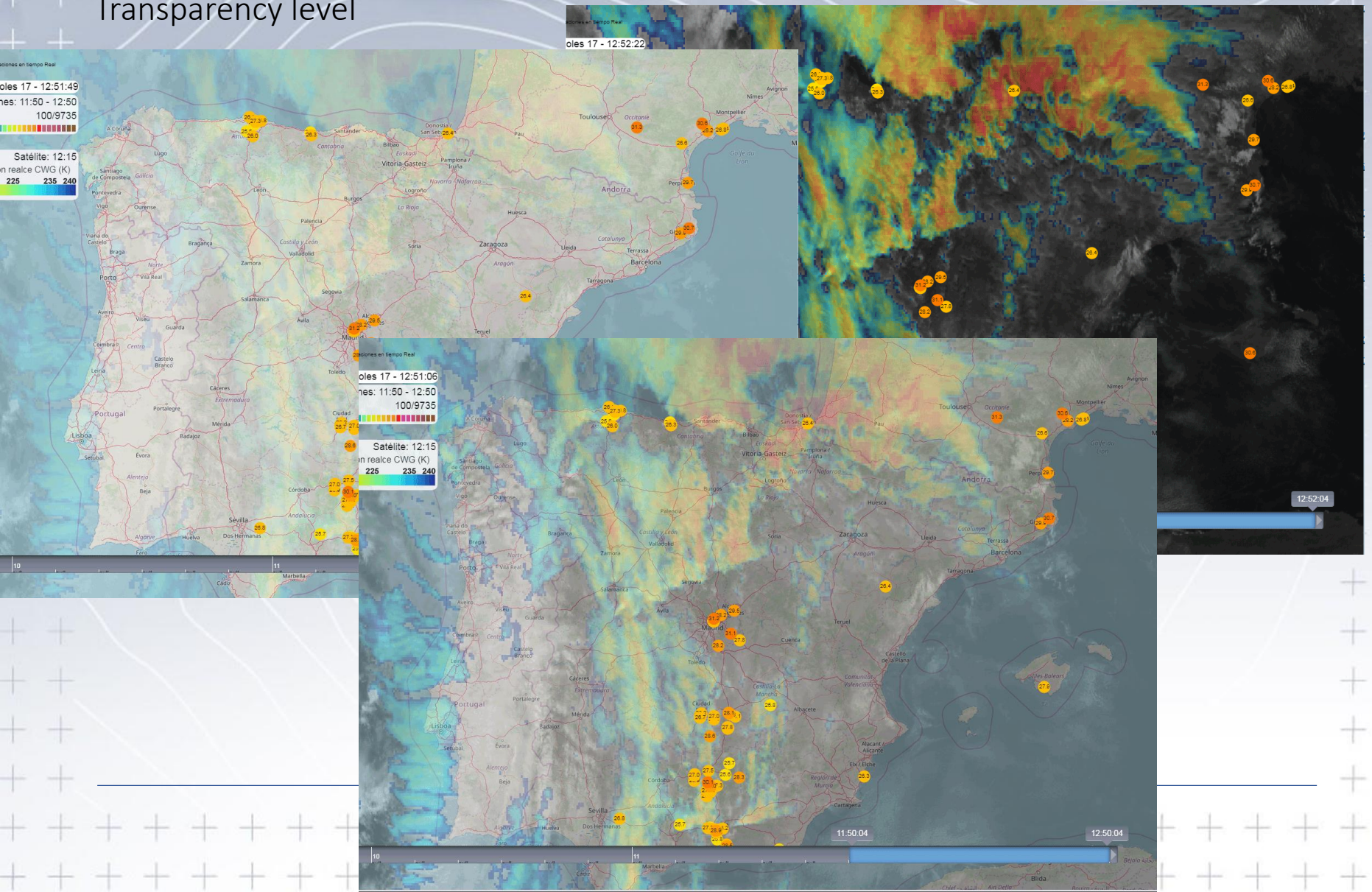
Radar (ECHOTOP)



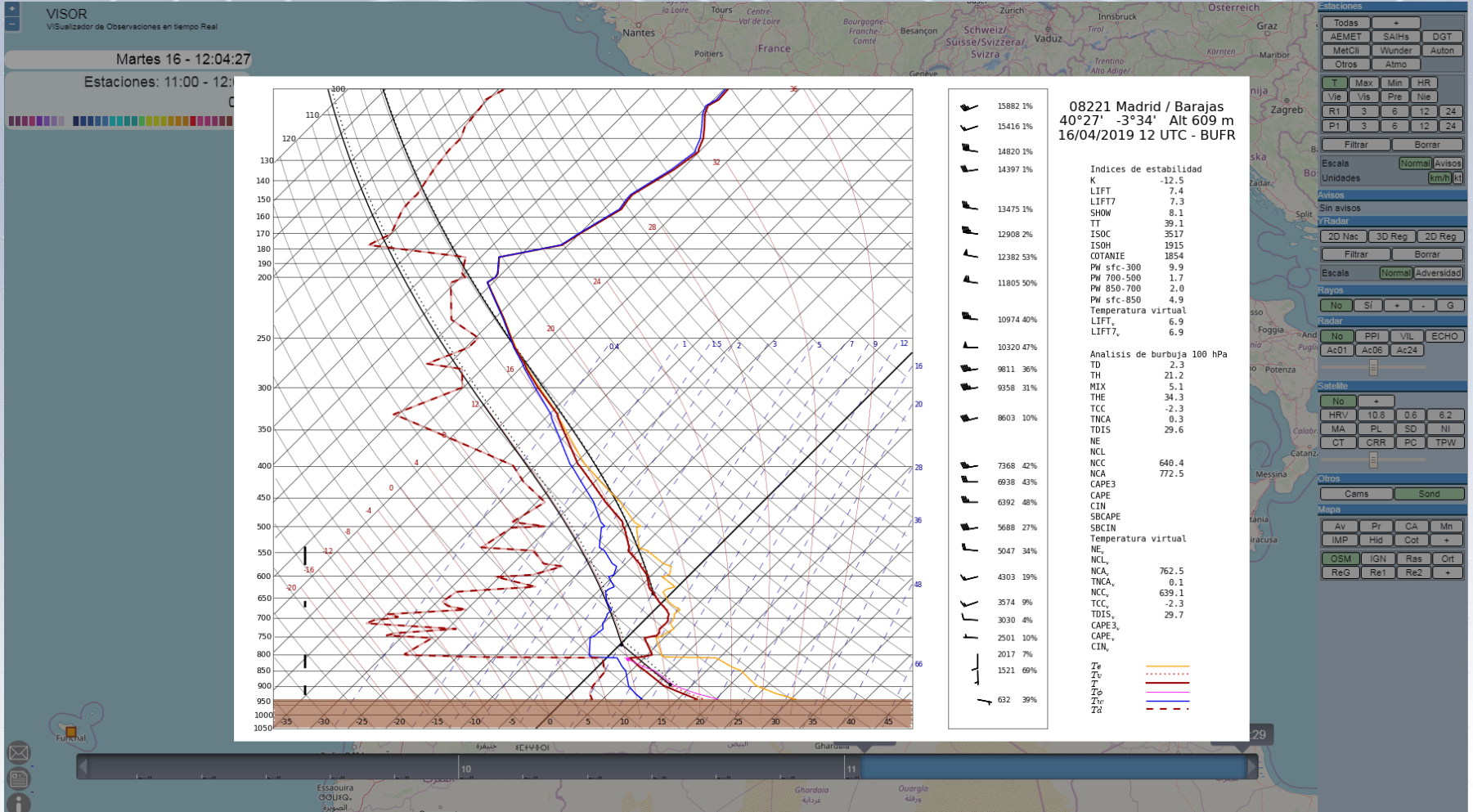
Satellite (NWCSAF CRR)



Satellite (Sandwich) Transparency level



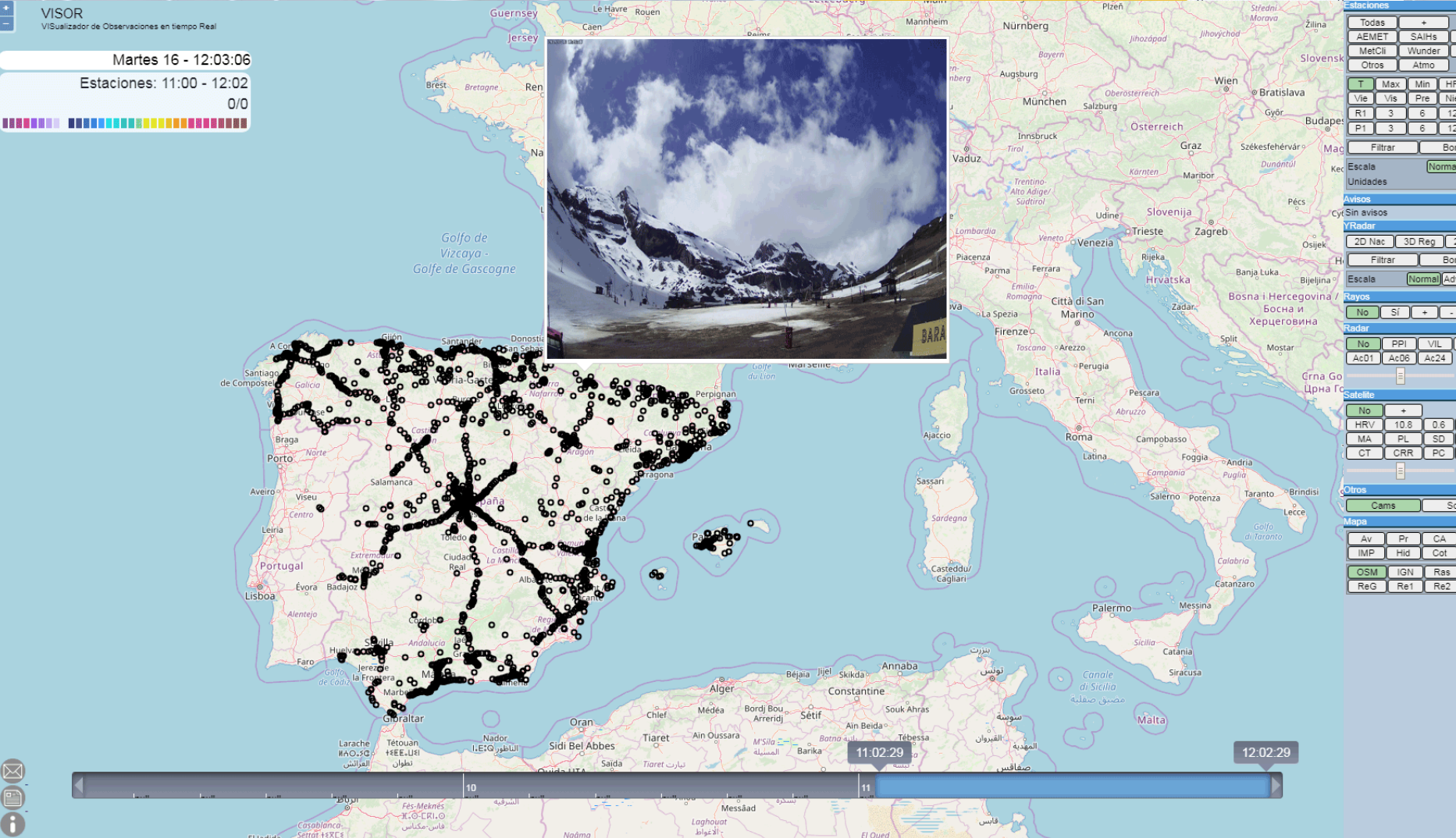

Weather soundings



Webcams

VISOR
VISUALIZADOR DE OBSERVACIONES EN TIEMPO REAL

Martes 16 - 12:03:06
Estaciones: 11:00 - 12:02
0/0



11:02:29 12:02:29

Relaciones

Todas	+	
AEMET	SAHs	DGT
MetCli	Wunder	Auto
Otros	Atmo	

Avances

T	Max	Min	HR
Vie	Vis	Pre	Nie
R1	3	6	12
P1	3	6	12

Escala Normal Av...
Unidades km/h

Avisos
Sin avisos

YRadar

2D	Nac	3D	Reg	2D	Re
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Rayos
No Sí + -

Radar

No	PPI	VIL	ECH
Ac01	Ac06	Ac24	

Satelite

No	+		
HRV	10.8	0.6	6.3
MA	PL	SD	NI
CT	CRR	PC	TP

Otros
Cams Sond

Mapa

Av	Pr	CA	M
IMP	Hid	Cot	+

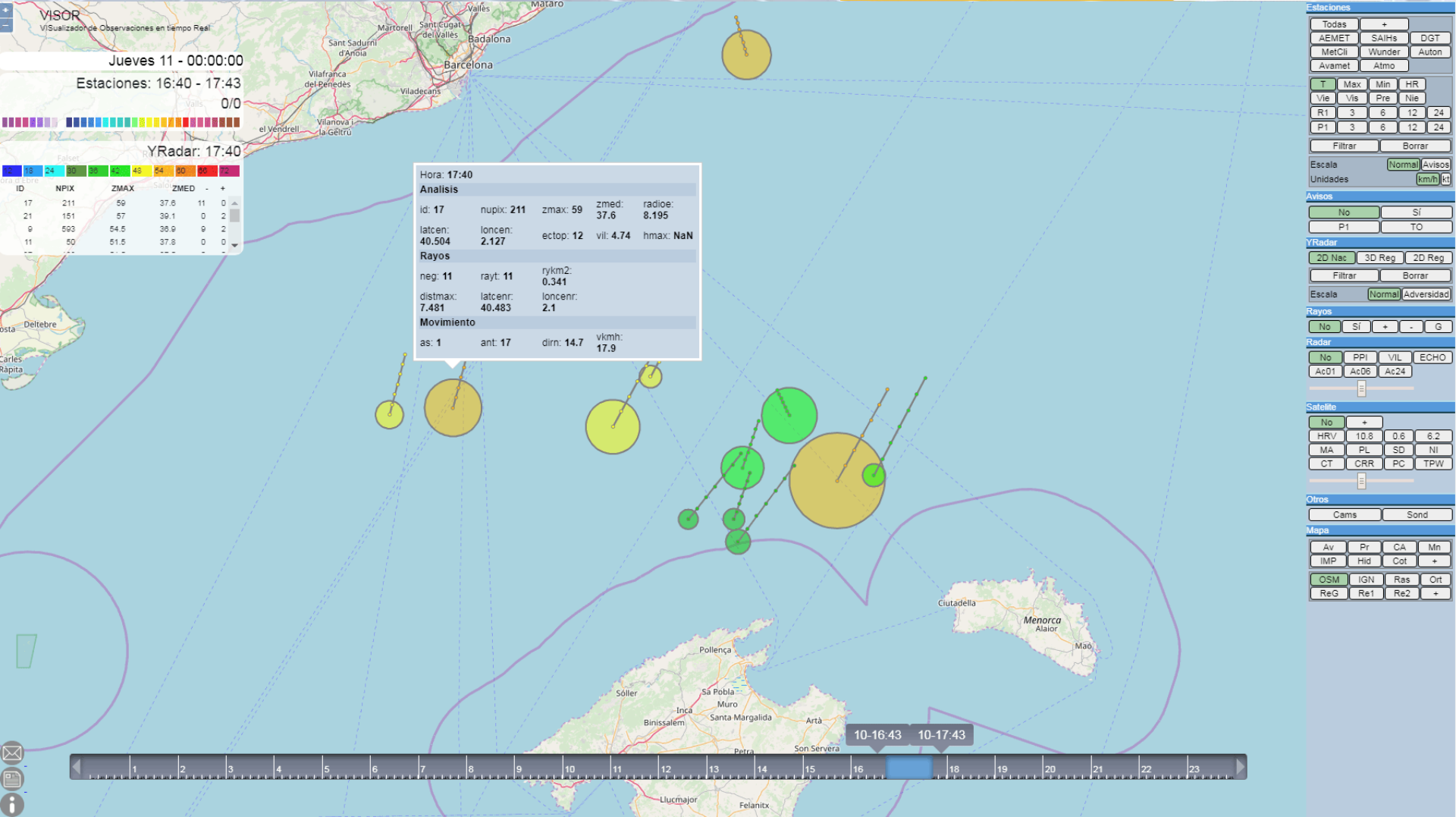
OSM IGN Ras O
ReG Re1 Re2 +

YRADAR 2D

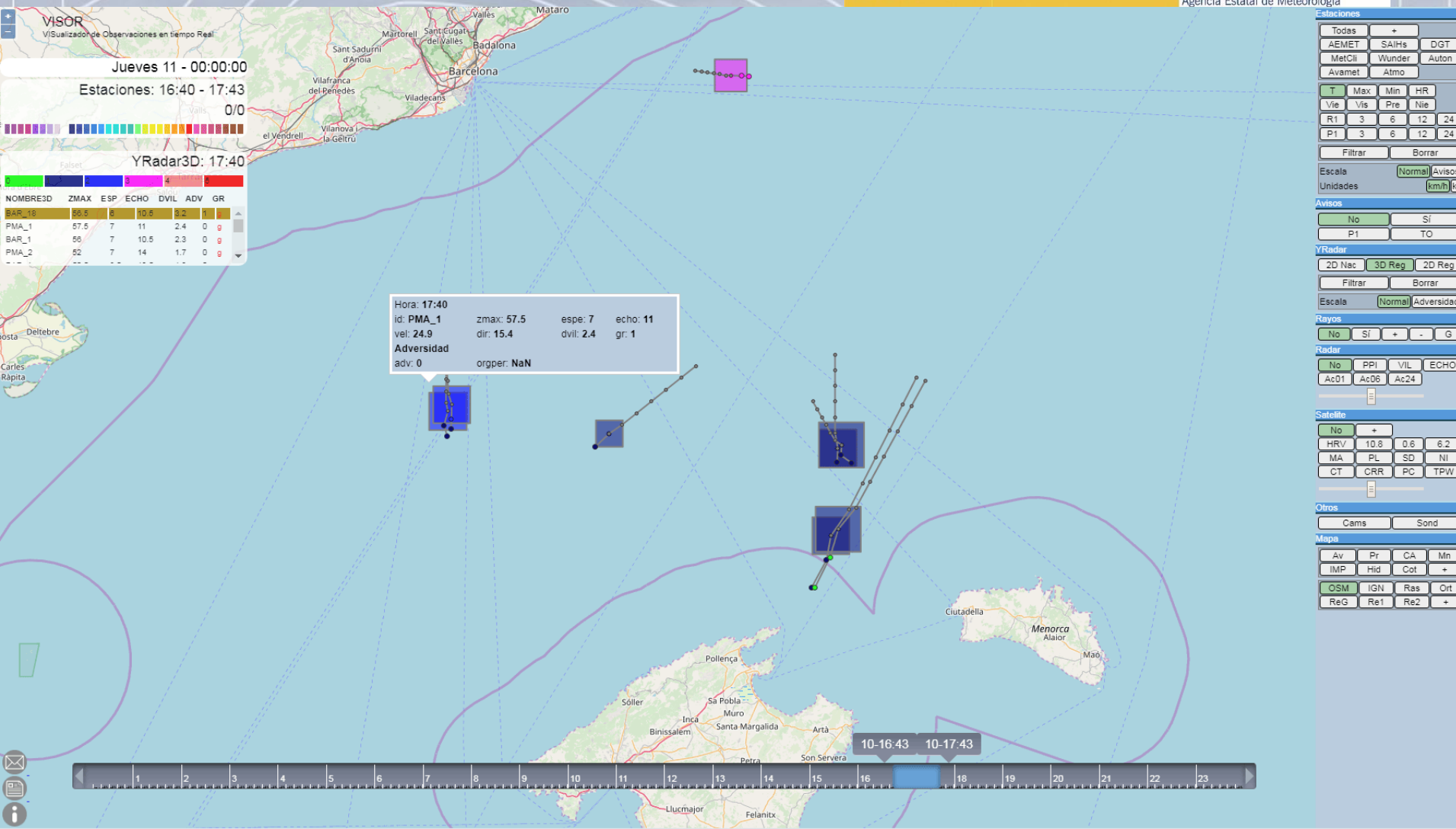


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YRADAR 3D



Potential Adversity Parameters PAD2 and PAD3

Parameters PAD2 and PAD3 represent the Potential ADversity 2D y 3D, respectively. It is clasification that provides fast information to the forecaster.

Cell characteristics used to compute PAD2 and PAD3:

YRADAR 2D:

- Horizontal size
- Max horizontal reflectivity
- Max VIL
- Speed
- Lightning activity

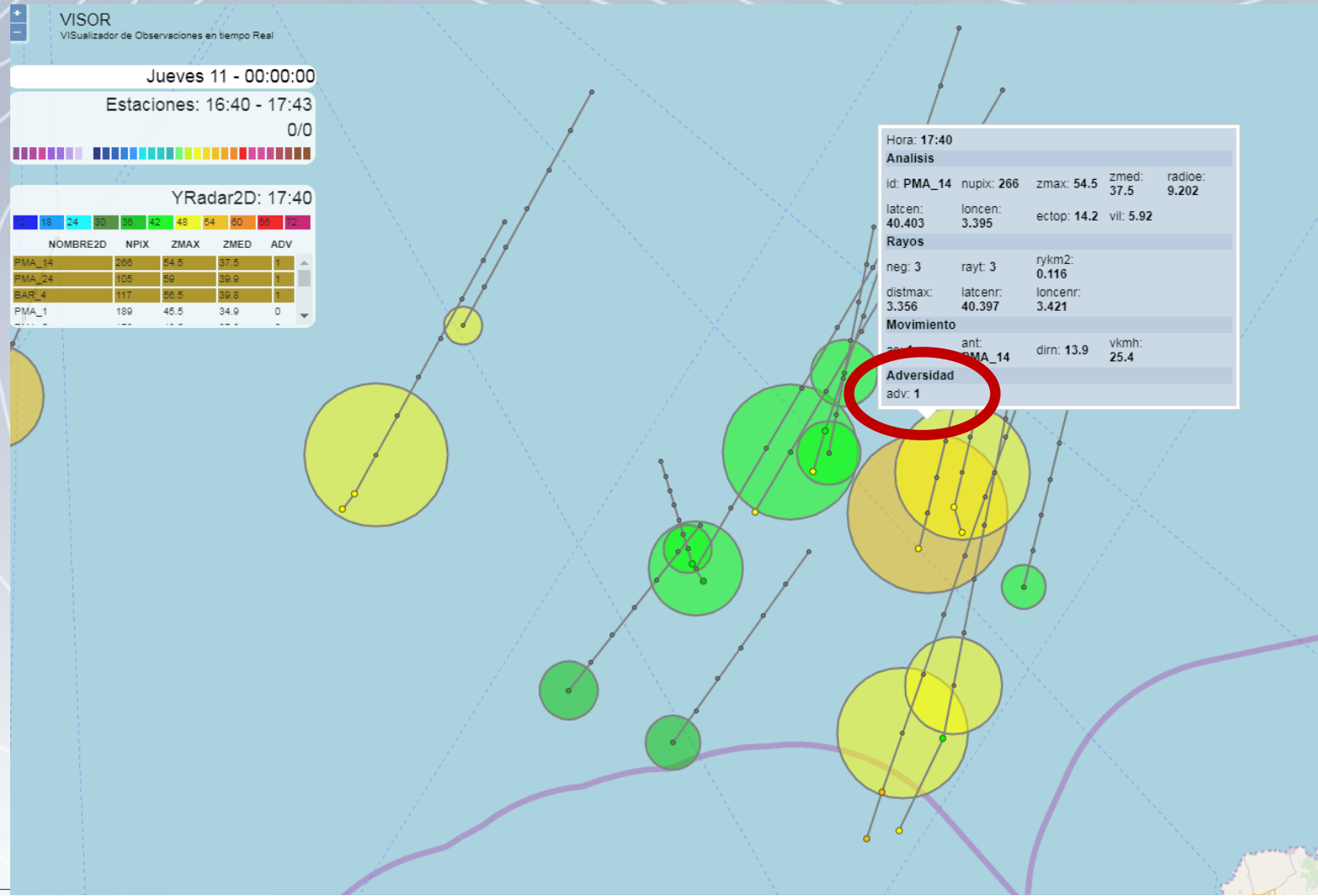
YRADAR 3D:

- Max. Reflectivity
- Speed
- VIL Density
- Vertical size
- Organized convection
- Hail occurrence

Levels:

- 0 – no adversity
- 1 – high adversity
- 2 – very high adversity

PAD2D

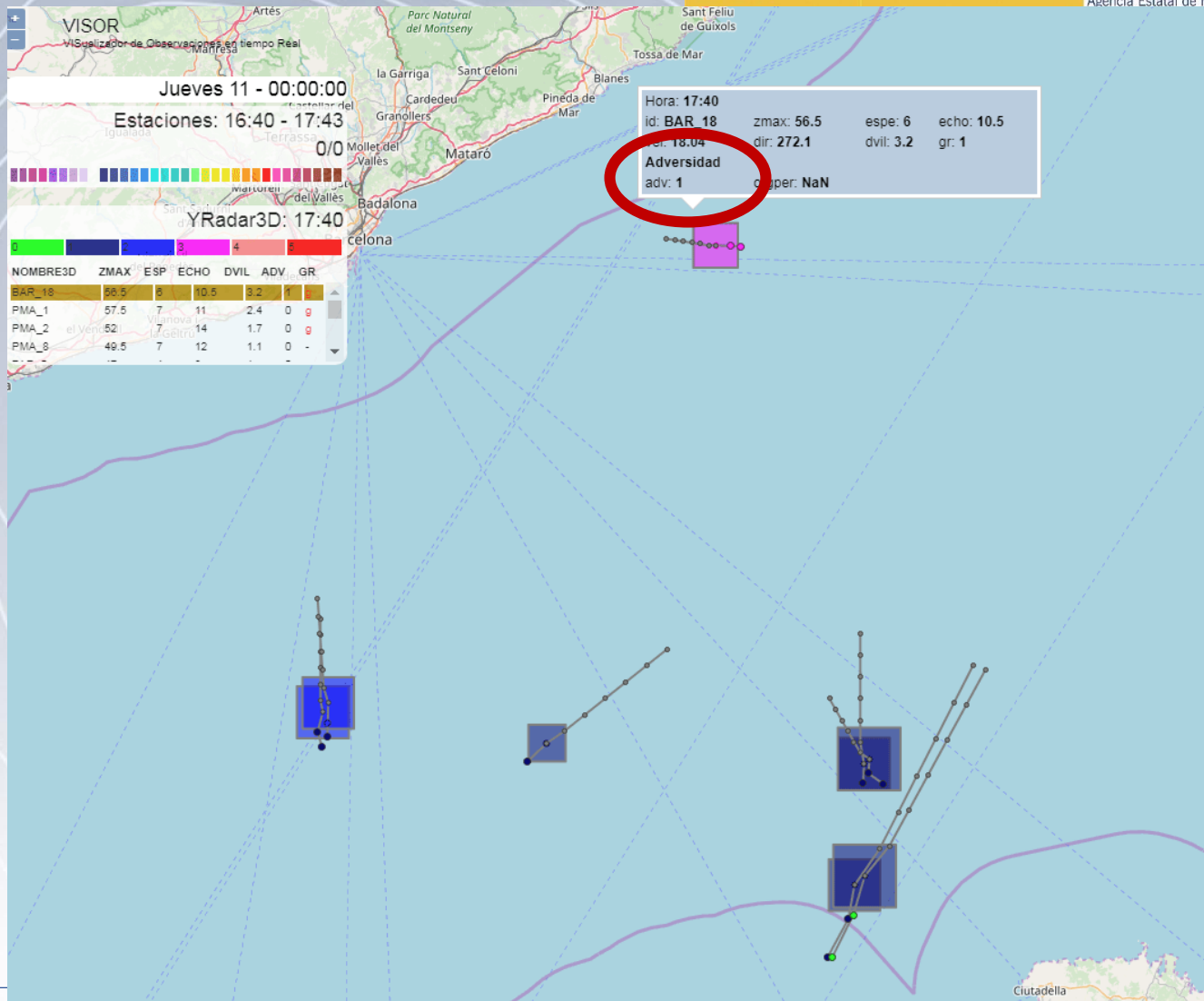


PAD3D



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Thanks for your attention!!