

DIRECCIÓN GENERAL DEL INSTITUTO GEOGRÁFICO Y ESTADÍSTICO

AÑO XXIV

BOLETÍN

1916

Núm. 347

DEL

12 de Diciembre

OBSERVATORIO CENTRAL METEOROLÓGICO

Observaciones del Extranjero

| Observaciones de la mañana á las 7 ^h | | | | | | | Id. en las 24 horas | | Id. de la vispera por la tarde | | | | | | |
|---|------------------------|----------------------|-------------|-----------|-----------------|------------------|---------------------|----------------|--------------------------------|-------------------|---|-------------|-----------|-----------------|------------------|
| Estaciones | Barómetro | | Temperatura | Viento | | Estado del cielo | Estado del mar | Lluvia ó nieve | Temp. extr. ^{as} | | Barom. ^o á 0° y al nivel del mar | Temperatura | Viento | | Estado del cielo |
| | á 0° gal nivel del mar | Variación en 3 horas | | Dirección | F ^{va} | | | | Max. ^a | Min. ^a | | | Dirección | F ^{va} | |
| Escandinavia | Bodo | | | | | | | | | | | | | | |
| | Cristiansund | | | | | | | | | | | | | | |
| | Skudesnoes | | | | | | | | | | | | | | |
| Europa Oriental y Central | Riga | | | | | | | | | | | | | | |
| | Moscú | | | | | | | | | | | | | | |
| | Nicolaiev | | | | | | | | | | | | | | |
| | Feldkirch | | | | | | | | | | | | | | |
| | Czernovitz | | | | | | | | | | | | | | |
| | Cracovia | | | | | | | | | | | | | | |
| | Pola | | | | | | | | | | | | | | |
| | Viena | | | | | | | | | | | | | | |
| Islas Británicas | Stornoway | | | | | | | | | | | | | | |
| | Shields | | | | | | | | | | | | | | |
| | Valentia | | | | | | | | | | | | | | |
| Francia | Gris Nez | | | | | | | | | | | | | | |
| | St. Mathieu | | | | | | | | | | | | | | |
| | Isla de Aix | | | | | | | | | | | | | | |
| | Biarritz | | | | | | | | | | | | | | |
| | Paris | | | | | | | | | | | | | | |
| | Clermont | | | | | | | | | | | | | | |
| | Perpiñán | | | | | | | | | | | | | | |
| Italia | Liorna | | | | | | | | | | | | | | |
| | Roma | | | | | | | | | | | | | | |
| | Cagliari | | | | | | | | | | | | | | |
| | Palermo | | | | | | | | | | | | | | |
| Portugal | Porto | | | | | | | | | | | | | | |
| | Lisboa | 756.0 | -0.7 | 12 | NW | 2 | sub. nua | luz | 15 | 9 | 753.5 | 11 | N | 1 | 2 |
| | Lagos | | | | | | | | | | | | | | |
| | Horta | | | | | | | | | | | | | | |
| | Flores | | | | | | | | | | | | | | |
| | Punta Delgada | | | | | | | | | | | | | | |
| Marruecos y Argelia | Punchal | 760.7 | 0.0 | 13 | N | 2 | sub. nua | W. nua | 13 | 12 | 761.9 | 16 | NW | 2 | sub. nua |
| | Tánger | | | | | | | | | | | | | | |
| | Orán | | | | | | | | | | | | | | |
| | Laghout | | | | | | | | | | | | | | |
| | Argel | | | | | | | | | | | | | | |
| | Cap de Garde | | | | | | | | | | | | | | |
| Túnex | | | | | | | | | | | | | | | |
| Biskra | | | | | | | | | | | | | | | |

Radiogramas

Precios de suscripción

España..... Un año 18 pesetas. Un semestre 9 pesetas
 Extranjero..... Un año 30 pesetas

Administrador

Habilitado del material de la Dirección general del Instituto Geográfico y Estadístico. Madrid

Dirección : Adresse : Address :

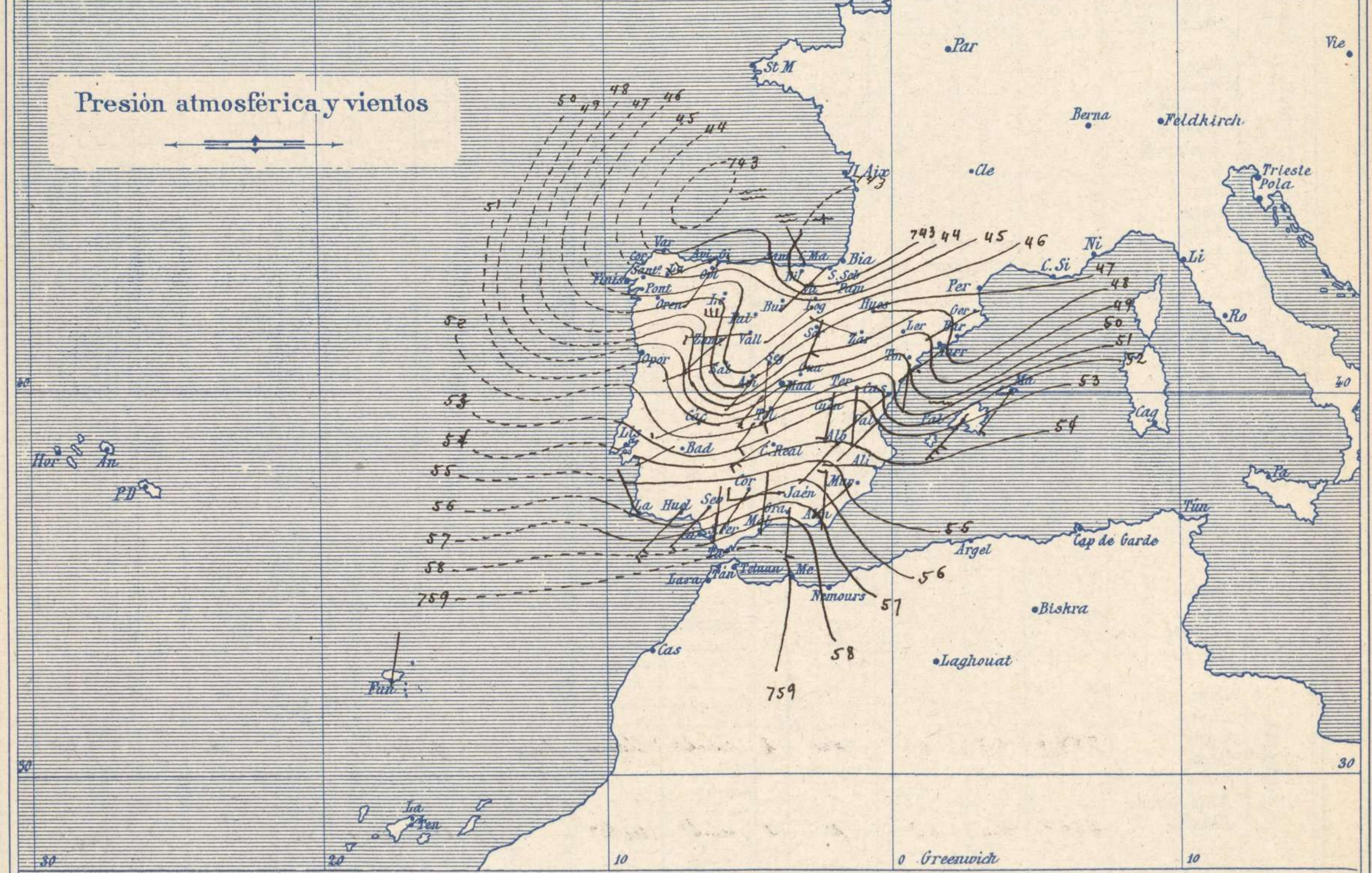
Señor
 Jefe del Observatorio Central Meteorológico
 Parque del Retiro

Madrid. (ESPAÑA)

Apartado n.º 285.



| Signos convencionales | | |
|---------------------------|-------------|-----------------|
| Fuerza del viento | Cielo | Mar |
| 0 Calma | ○ Despejado | Llana |
| 1 Ventolina | | |
| 2 Muy flojo | ⊙ Con nubes | Rixada |
| 3 Flojo | | |
| 4 Bonancible (Moderado) | ⊖ Bruma | Marejada |
| 5 Fresquito (Algo fuerte) | ⊗ Niebla | Picada |
| | | Marejada gruesa |
| 6 Fresco | ⊗ Nieve | Gruesa |
| (Fuerte) | ● Lluvia | Muy gruesa |
| 7 Duro | | |
| 8 Muy duro | ⚡ Tormenta | Arbolada |
| 9 Temporal | | |



Estado general

La carencia de datos del extranjero no permite determinar con exactitud, el alcance y desarrollo que toma la borrasca que atraviesa a Europa de Occidente a Oriente. En Francia debe de hallarse el núcleo principal, pero también existen otros en el Golfo de Vizcaya y aun varios de poca intensidad y radio pequeño sobre la península Ibérica, todo lo cual hace que los vientos de España sean fuertes y disminuyan los de los cuadrantes del Sur. Excepción hecha de las comarcas levantinas y Catalanas, por todas las demás llueve.

La temperatura máxima de ayer fue de 15 grados en Murcia y Málaga y la mínima de hoy ha sido de 1 grado bajo cero en Toria, Avila, Segovia, Cáceres y Teruel.

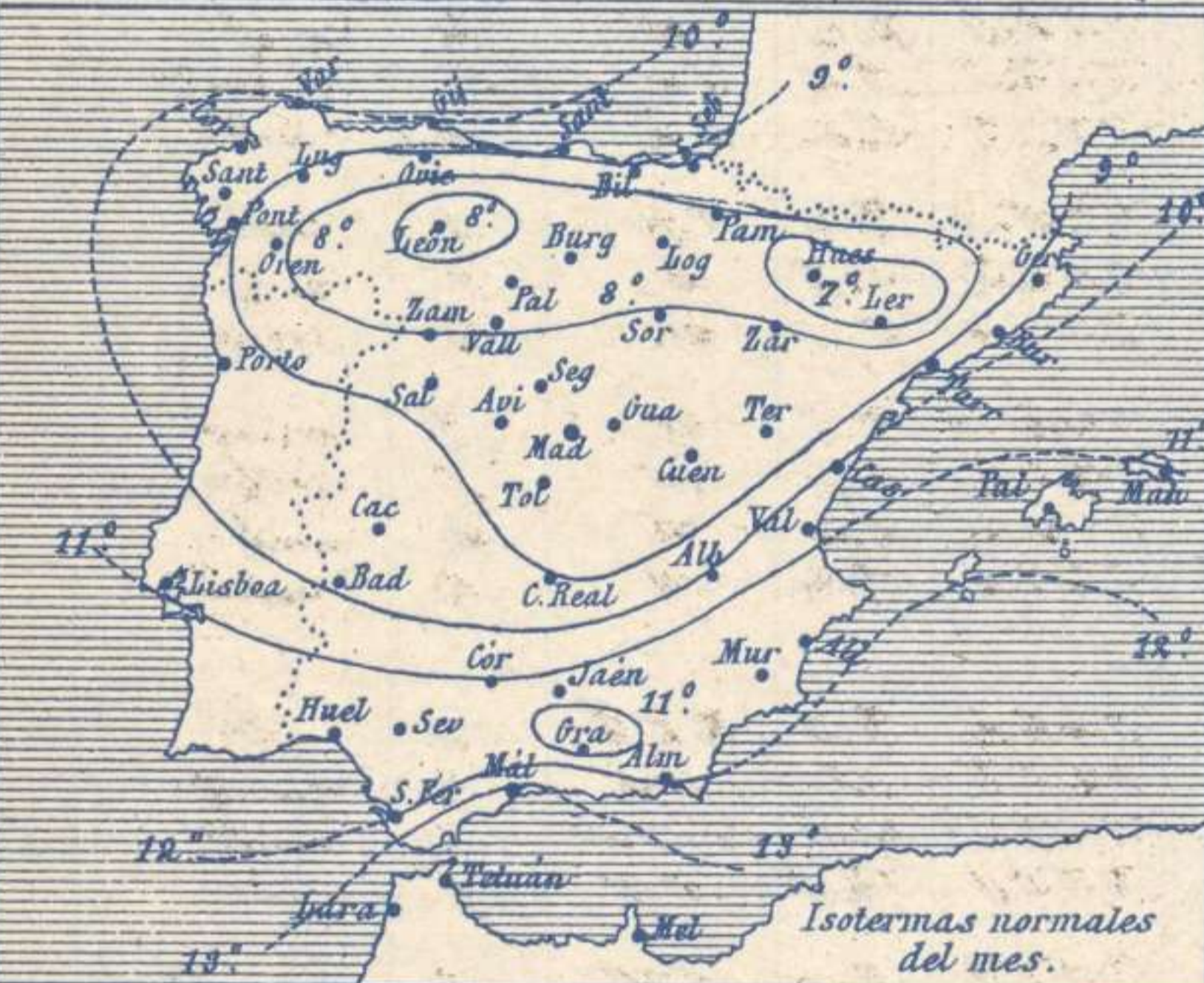
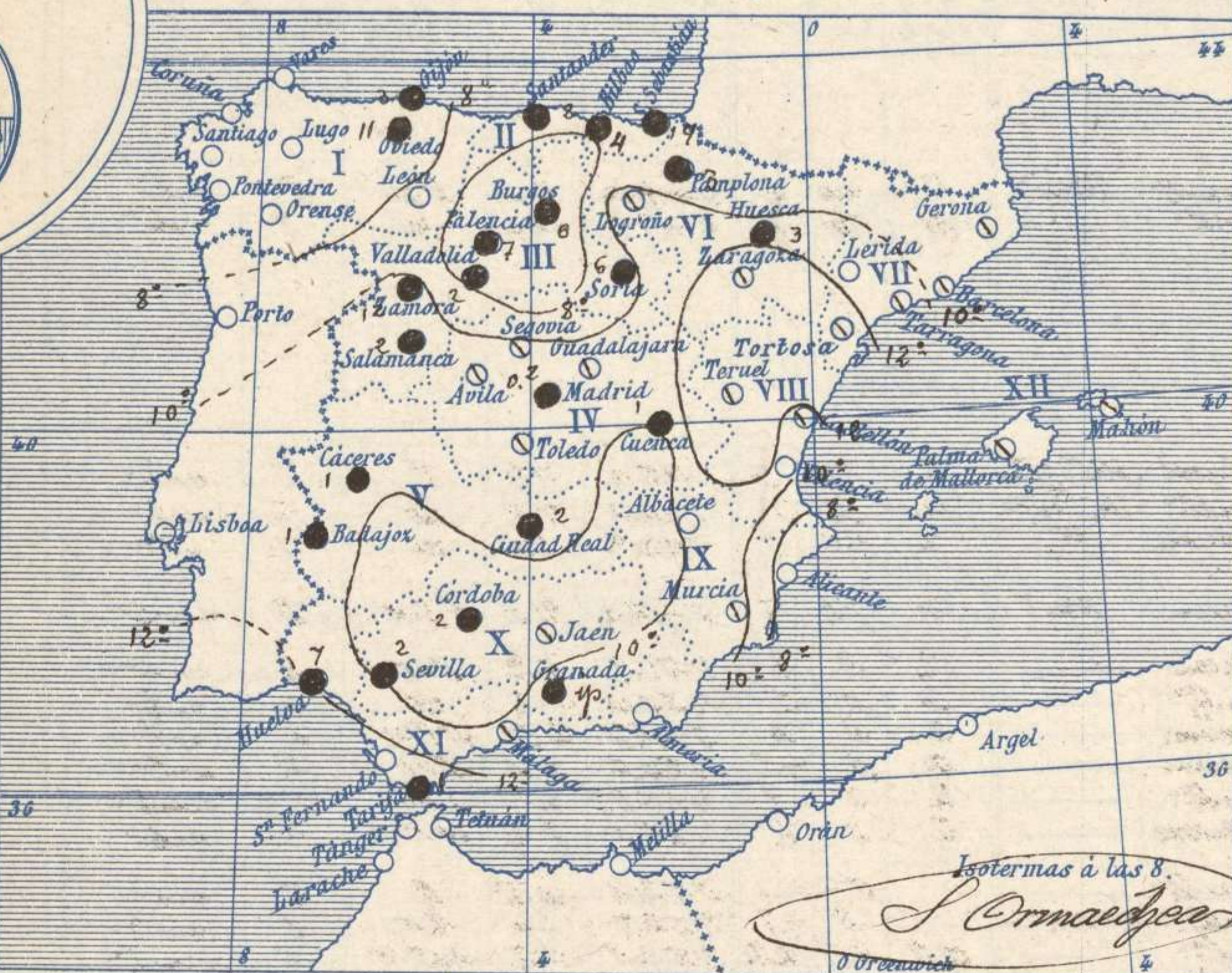
Saura

El Director general: Marqués de Teverga

El Ingeniero Geógrafo Jefe del Observatorio. J. Galbis



Temperaturas y Lluvias



Los números colocados al lado de ● designan m/m de lluvia recogida.

Tiempo probable

EN LAS REGIONES

- I
- II
- III
- IV
- V
- VI
- VII
- VIII
- IX
- X
- XI
- XII

Vientos moderados de la región del Oeste y tiempo de lluvias.

Telegrama para las Comandancias de Marina depositado a las 13. h. 10. m

Es probable que se mantenga el mal tiempo para todas nuestras costas.

Observaciones de Madrid entre 12^h del día 11 y 12^h del día 12

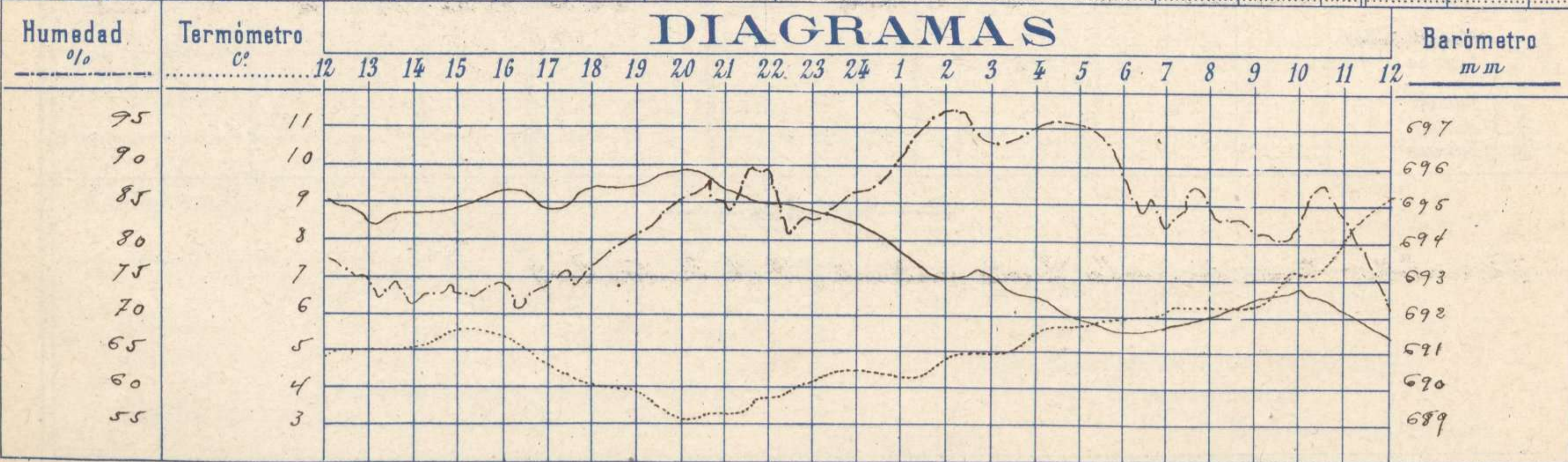
PARQUE DEL RETIRO (Altitud 667 m.)

Observaciones aerológicas

Hora.....

| Hora | Barómetro m m | Termómetro C° | Humedad o/o | Viento | | Lluvia o Nieve | Estado del Cielo | Notas | Alturas | Dirección del viento | Fuerza O d. 9 | Alturas | Dirección del viento | Fuerza O d. 9 | |
|------|------------------|------------------|----------------|-----------|------------------------|-------------------|------------------------|----------------------------------|---------|-------------------------|------------------|---------|-------------------------|------------------|--|
| | | | | Dirección | F ^{va} O d. 9 | | | | | | | | | | |
| 12 | 695.0 | 4.8 | 77 | W.S.W | 3 | | Nub. | | | | | | | | |
| 16 | 695.2 | 5.2 | 74 | W.S.W | 3 | | C. cub. | Temp. máx. a la sombra 9.2 | | | | | | | |
| 20 | 695.9 | 3.0 | 86 | W.S.W | 3 | | Cub. | Td. mínima id. 3.0 | | | | | | | |
| 24 | 694.4 | 4.5 | 86 | S.W | 3 | | | Horas de sol despejado en el día | | | | | | | |
| 4 | 692.3 | 5.5 | 95 | S.W | 4 | 0.1 | Chub. d. | Td. de ayer 4. h. 15. m. | | | | | | | |
| 8 | 692.0 | 6.1 | 84 | S.W | 4 | 0.1 | Cub. | | | | | | | | |
| 12 | 691.4 | 9.2 | 71 | S.W | 6 | | C. cub. | | | | | | | | |

DIAGRAMAS



Observaciones de España

| Observaciones de la mañana á 8 horas | | | | | | | | | | Id. en las 24 horas | | | Id. de la víspera á 16 horas | | | | |
|--------------------------------------|-------------------------|----------------------|-------------|-----------|-----------------|------------------|----------------|----------------|-------------------|---------------------|--------------------------------|-------------|------------------------------|--------|------------------|---------|---------|
| Estaciones | Barómetro | | Temperatura | Viento | | Estado del cielo | Estado del mar | Lluvia ó nieve | Temp. extr. as | | Barom. á 0° y al nivel del mar | Temperatura | Viento | | Estado del cielo | | |
| | á 0° y al nivel del mar | Variación en 3 horas | | Dirección | F ^{za} | | | | Max. ^a | Min. ^a | | | Dirección | Fuerza | | | |
| Región del N.W. I. | La Coruña | | | | | | | | | | | | | | | | |
| | Vares | | | | | | | | | | | | | | | | |
| | Avilés | | | | | | | | | | | | | | | | |
| | Gijón | 744.7 | +1.0 | 6.2 | W.S.W. | 6 | c. nub. | Br. | 2 | 10 | 6 | 744.0 | 9.6 | S.W. | 2 | c. nub. | |
| | Oviedo | 743.5 | | 4.2 | S.W. | 1 | cub. | | 11 | 10 | 4 | 743.7 | 10.0 | W | 1 | cub. | |
| | Finisterre | | | | | | | | | | | | | | | | |
| | Santiago | | | | | | | | | | | | | | | | |
| | Pontevedra | | | | | | | | | | | | | | | | |
| Región Cantábrica II | Lugo | | | | | | | | | | | | | | | | |
| | Orense | | | | | | | | | | | | | | | | |
| | León | | | | | | | | | | | | | | | | |
| | Santander | 742.1 | +1.5 | 2.3 | W | 5 | lluv. | M.ª g.ª | 2 | 13 | 6 | 745.6 | 9.7 | S | 1 | cub. | |
| | Punta Galea | 741.8 | +1.0 | 2.8 | N.W. | 6 | cub. | M.ª g.ª | 4 | 13 | 2 | 744.5 | 9.5 | W | 6 | cub. | |
| Región del Duero III | Bilbao | 742.2 | +2.0 | 8 | N.N.W. | 2 | lluv. | | 4 | 10 | 7 | 750.3 | 10 | W | 1 | cub. | |
| | Cabo Machichaco | | | | | | | | | | | | | | | | |
| | San Sebastián | 743.9 | +3.5 | 7.4 | S.W. | 2 | lluv. | M.ª | 14 | 10 | 6 | 747.0 | 9.0 | S.S.W. | 2 | c. nub. | |
| | Zamora | 747.6 | +1.0 | 6.0 | S.W. | 6 | lluv. | | 12 | 8 | 2 | 751.9 | 7.2 | S.W. | 2 | cub. | |
| | Palencia | 745.2 | +0.4 | 2.8 | W | 2 | cub. | | 7 | 5 | 3 | 750.0 | 2.8 | W | 4 | cub. | |
| | Burgos | 744.8 | +0.4 | 1.4 | N.W. | 1 | lluv. | | 6 | 3 | 0 | 748.7 | 2.8 | S.S.W. | 2 | cub. | |
| Región Central IV | Soria | 747.2 | -0.1 | 3.0 | S.S.W. | 6 | lluv. | | 6 | 3 | -1 | 750.6 | 0.4 | S.W. | 4 | cub. | |
| | Valladolid | 744.6 | -2.0 | 4.0 | W | 5 | cub. | | 2 | 5 | 2 | 751.9 | 4.4 | S.W. | 2 | c. nub. | |
| | Salamanca | 745.3 | +0.4 | 5.8 | W.S.W. | 6 | lluv. | | 2 | 5 | 1 | 752.0 | 3.4 | W.S.W. | 4 | cub. | |
| | Ávila | 747.0 | | 4.8 | S.W. | 4 | c. nub. | | 5 | -1 | | 754.1 | 0.8 | S | 2 | cub. | |
| | Segovia | 747.2 | -0.7 | 5.0 | S | 4 | cub. | | 3 | -1 | | 753.7 | 6.0 | N.W. | 1 | cub. | |
| | Madrid | 750.0 | -0.1 | 6.1 | S.W. | 4 | cub. | | 0.2 | 6.1 | 0.4 | 753.8 | 5.2 | W.S.W. | 2 | c. nub. | |
| | Toledo | 750.5 | -0.1 | 7.8 | S.W. | 4 | cub. | | | 10 | 5 | | 753.8 | 7.6 | W | 4 | c. nub. |
| Extrem.ª | Guadalajara | 748.9 | -0.6 | 6.6 | S.W. | 5 | cub. | | 7 | 2 | | 752.2 | 5.0 | S.W. | 2 | c. nub. | |
| | Cuenca | 752.9 | | 4.6 | S | 5 | cub. | | 1 | 5 | 0 | 753.9 | 2.6 | S.E. | 4 | cub. | |
| | Cáceres | 751.4 | | 7.8 | S.W. | 4 | cub. | | 1 | 7 | -1 | 755.5 | 2.4 | S.W. | 2 | cub. | |
| Alto Ebro VI | Mancha V | 753.1 | -0.8 | 9.2 | S.W. | 2 | cub. | | 1 | 11 | 7 | 756.2 | 10.8 | W | 1 | c. nub. | |
| | Badajoz | 753.3 | -1.2 | 7.0 | S.W. | 6 | cub. | | 2 | 8 | 3 | 756.4 | 5.5 | W | 6 | cub. | |
| | Ciudad Real | | | | | | | | | | | | | | | | |
| | Logroño | 742.7 | | 2.8 | S.W. | 1 | cub. | | | 8 | 4 | 748.4 | 7.2 | W | 2 | c. nub. | |
| Cataluña VII | Pamplona | 742.4 | | 7.0 | S.W. | 3 | lluv. | | 2 | 6 | 4 | 743.2 | 6.4 | W | 1 | cub. | |
| | Huesca | 748.2 | -1.0 | 4.2 | S | 1 | cub. | | 3 | 7 | 1 | 750.4 | 5.0 | W | 0 | cub. | |
| | Zaragoza | 747.1 | 0.0 | 11.2 | W.N.W. | 2 | c. nub. | | | 10 | 6 | 749.2 | 9.4 | W | 4 | cub. | |
| Levante VIII | Lérida | | | | | | | | | | | | | | | | |
| | Gerona | 746.7 | -0.4 | 10.4 | S.W. | 4 | cub. | | | 12 | 7 | 746.2 | 9.6 | S.S.E. | 1 | lluv. | |
| | Barcelona | 746.2 | +0.4 | 1.2 | S.W. | 4 | cub. | M.ª | | 13 | 11 | 747.7 | 11 | N.W. | 2 | c. nub. | |
| | Tarragona | 750.2 | | 10.2 | W.S.W. | 2 | c. nub. | M.ª | | 13 | 7 | 749.5 | 11.3 | W.N.W. | 4 | c. nub. | |
| Región del SE IX | Tortosa | 749.4 | -0.1 | 7.1 | S | 1 | cub. | | | 13 | 4 | 750.1 | 12.2 | N.W. | 2 | lluv. | |
| | Teruel | 750.0 | | 9.4 | S | 2 | cub. | | | 4 | -1 | 752.9 | 3.0 | S.W. | 0 | c. nub. | |
| | Castellón | 752.0 | -0.6 | 11.0 | S.W. | 0 | cub. | M.ª | | 12 | 7 | 750.5 | 2.4 | N.W. | 4 | c. nub. | |
| Cuenca del Guadalquiv. X | Valencia | 756.3 | | 12.4 | S.W. | 1 | c. nub. | | | 12 | 8 | 756.0 | 11.0 | W.S.W. | 1 | c. nub. | |
| | Albacete | 753.6 | -0.2 | 6.2 | S.W. | 2 | c. nub. | | | 5 | 3 | 754.7 | 5.4 | W | 2 | cub. | |
| | Alicante | 754.2 | -0.2 | 7 | W | 0 | c. nub. | lluv. | | 14 | 5 | 753.1 | 1.2 | W | 4 | c. nub. | |
| | Murcia | 754.3 | | 11.3 | S.W. | 1 | cub. | | | 15 | 6 | 753.9 | 12.1 | N.W. | 2 | cub. | |
| | Sevilla | 756.3 | | 9.6 | S.W. | 5 | lluv. | | | 2 | 14 | 6 | 758.1 | 13.2 | W | 5 | cub. |
| Costa del Sur XI | Córdoba | 756.4 | -0.5 | 7.8 | S.W. | 1 | cub. | | | 2 | 11 | 5 | 757.2 | 11.2 | S.W. | 2 | cub. |
| | Jaén | 756.8 | | 7.2 | W | 4 | cub. | | | 8 | 4 | 757.9 | 7.2 | S.S.W. | 1 | cub. | |
| | Granada | 757.5 | -0.4 | 7.4 | S | 5 | cub. | | | 6 | 3 | 757.4 | 5.2 | W | 4 | cub. | |
| | Huelva | 756.3 | | 12.2 | S.W. | 6 | c. nub. | M.ª | | 7 | 14 | 6 | 757.5 | 25.3 | W | 4 | cub. |
| Canas Baleares XII | San Fernando | 757.5 | -0.4 | 1.2 | N. | 3 | c. nub. | M.ª | | 1 | 14 | 11 | 759.1 | 1.2 | W | 2 | cub. |
| | Tarifa | | | | | | | | | | | | | | | | |
| | Málaga | 758.5 | +0.2 | 10 | N | 2 | c. nub. | lluv. | | 15 | 8 | 758.4 | 1.4 | N.W. | 2 | lluv. | |
| | Almería | 756.5 | | 10.6 | N | 4 | c. nub. | M.ª | | 12 | 9 | 755.1 | 9.8 | S.W. | 4 | lluv. | |
| Africa | Palma | 752.8 | +1.4 | 14 | S.W. | 2 | cub. | M.ª y g.ª | | 15 | 11 | 750.5 | 1.2 | W | 6 | cub. | |
| | Mahón | 752.7 | +0.2 | 1.2 | S.W. | 5 | c. nub. | | | 14 | 10 | 750.0 | 1.2 | W | 2 | cub. | |
| Africa | San Pedro de Tang. | | | | | | | | | | | | | | | | |
| | Laguna | | | | | | | | | | | | | | | | |
| | Tetuan | | | | | | | | | | | | | | | | |
| | Melilla | | | | | | | | | | | | | | | | |
| | Larache | | | | | | | | | | | | | | | | |

Noticias

Valencia: Toda la noche fuerte vendaval (Prof. Sr. Trados)