

# DIRECCIÓN GENERAL DEL INSTITUTO GEOGRÁFICO Y ESTADÍSTICO

AÑO XXVI

## BOLETÍN

1918

Núm.º 62

DEL

de Marzo

### OBSERVATORIO CENTRAL METEOROLÓGICO

#### Observaciones del Extranjero

| Estaciones                | Observaciones de la mañana á las 7 <sup>h</sup> |                      |             |           |                 |                  | Id. en las 24 horas |                | Id. de la vispera por la tarde |                   |                                |             |           |                 |                  |
|---------------------------|---|----------------------|-------------|-----------|-----------------|------------------|---------------------|----------------|--------------------------------|-------------------|--------------------------------|-------------|-----------|-----------------|------------------|
|                           | Barómetro                                       |                      | Temperatura | Viento    |                 | Estado del cielo | Estado del mar      | Lluvia ó nieve | Temp. extr. <sup>as</sup>      |                   | 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 <sup>va</sup> |                  |                     |                | Max. <sup>a</sup>              | Min. <sup>a</sup> |                                |             | Dirección | F <sup>va</sup> |                  |
| Escandinavia              | Bodo  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Cristiansund                                    |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Skudesnoes                                      |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
| Europa Oriental y Central | Riga  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Moscou  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Nicolaiev                                       |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Feldkirch                                       |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Czernovitz                                      |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Cracovia  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Pola  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Viena   |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
| Islas Británicas          | Stornoway                                       |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Shields   |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Valentia  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
| Francia                   | Gris Nex  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | St. Mathieu                                     |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Isla de Aix                                     |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Biarritz  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Paris   |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Clermont  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Perpiñán  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
| Italia                    | Liorna  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Roma  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Cagliari  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Palermo   |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
| Portugal                  | Porto   | 765.4                | 1.0         | 6         |                 |                  | N                   | llana          | 9                              | 2                 | 763.2                          | 6           | NNE       | 7               | emb.             |
|                           | Lisboa  | 762.7                | 0.2         | 2         | SE              | 0                | emb.                | m. gda         | 11                             | 9                 | 761.8                          | 2           | N         | 4               | emb.             |
|                           | Lagos   |                      |             |           |                 |                  |                     |                |                                |                   | 762.1                          |             |           |                 |                  |
|                           | Horta   |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Flores  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Punta Delgada                                   | 752.6                | +0.7        | 14.4      | SW              | 4                | emb.                | NW             | 15                             | 12                | 763.8                          | 14.2        | SEW       | 4               | emb.             |
| Punchal                   | 764.9   | +0.3                 | 12          | NE        | 3               | emb.             | NW                  | 15             | 10                             | 764.2             | 14                             | NE          | 3         | emb.            |                  |
| Marruecos y Argelia       | Tanger  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Orán  |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | Laghounat                                       |                      |             |           |                 |                  |                     |                |                                |                   |                                |             |           |                 |                  |
|                           | 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

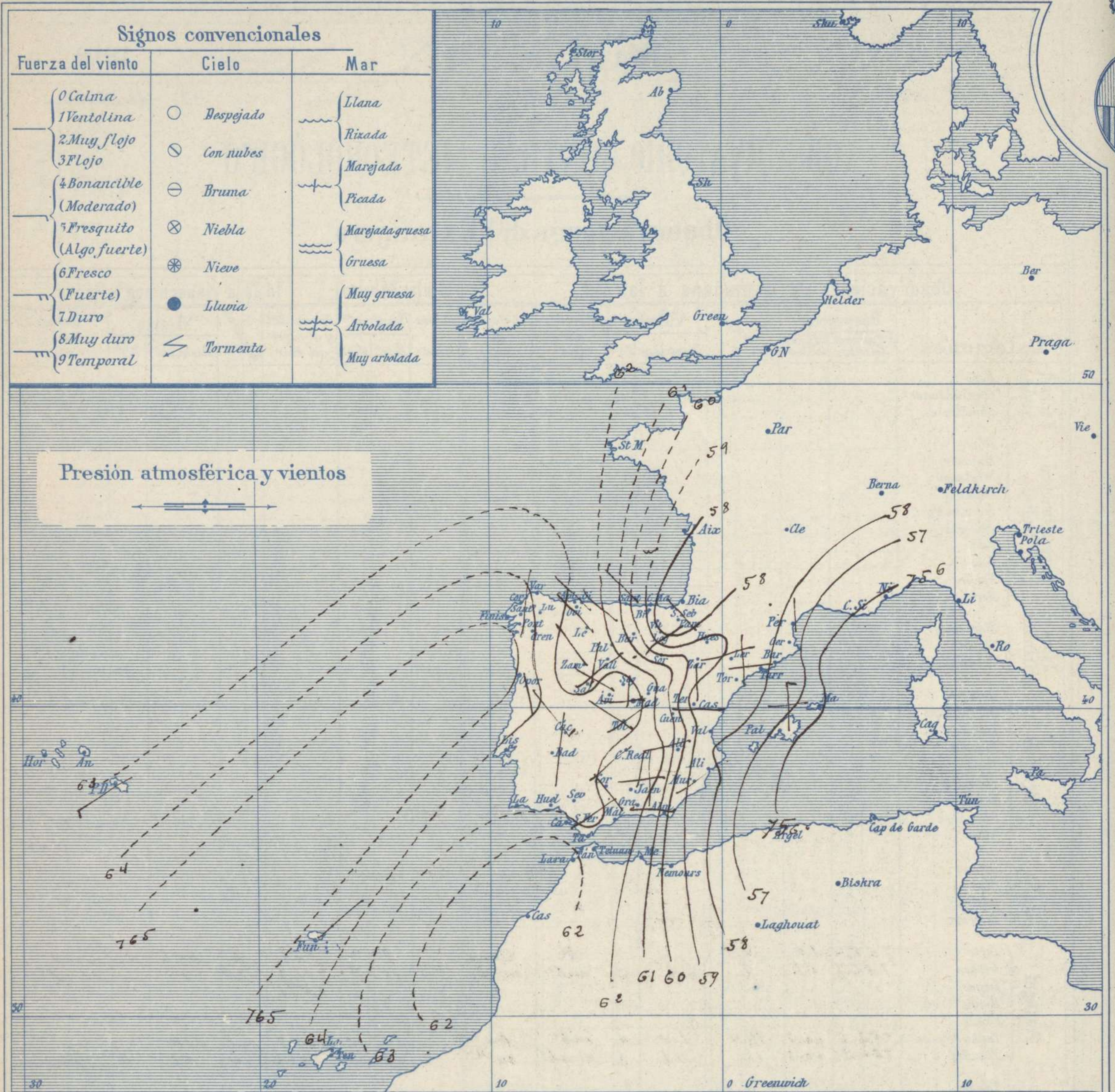
#### Dirección : Adresse : Address :

Señor  
Jefe del Observatorio Central Meteorológico  
Parque del Retiro

Madrid. (ESPAÑA)

Apartado n.º 285.





**Estado general**

Sobre el Mediterráneo se halla un área de presiones débiles, cuyo centro debe de encontrarse en Italia; otra área aparece al Occidente de Marruecos, todo lo cual contribuye a que en España dominen los vientos del Oeste y que los chubascos sean frecuentes, fiero no intensos.

En el Centro de la Meseta Castellana se registran heladas intensas. La temperatura máxima de ayer fue de 15 grados en Almería y la mínima de hoy ha sido de 9 grados bajo cero en Segovia. Existe un área de altas presiones en una zona comprendida entre las Azores, Portugal y las Canarias.

*Javier*

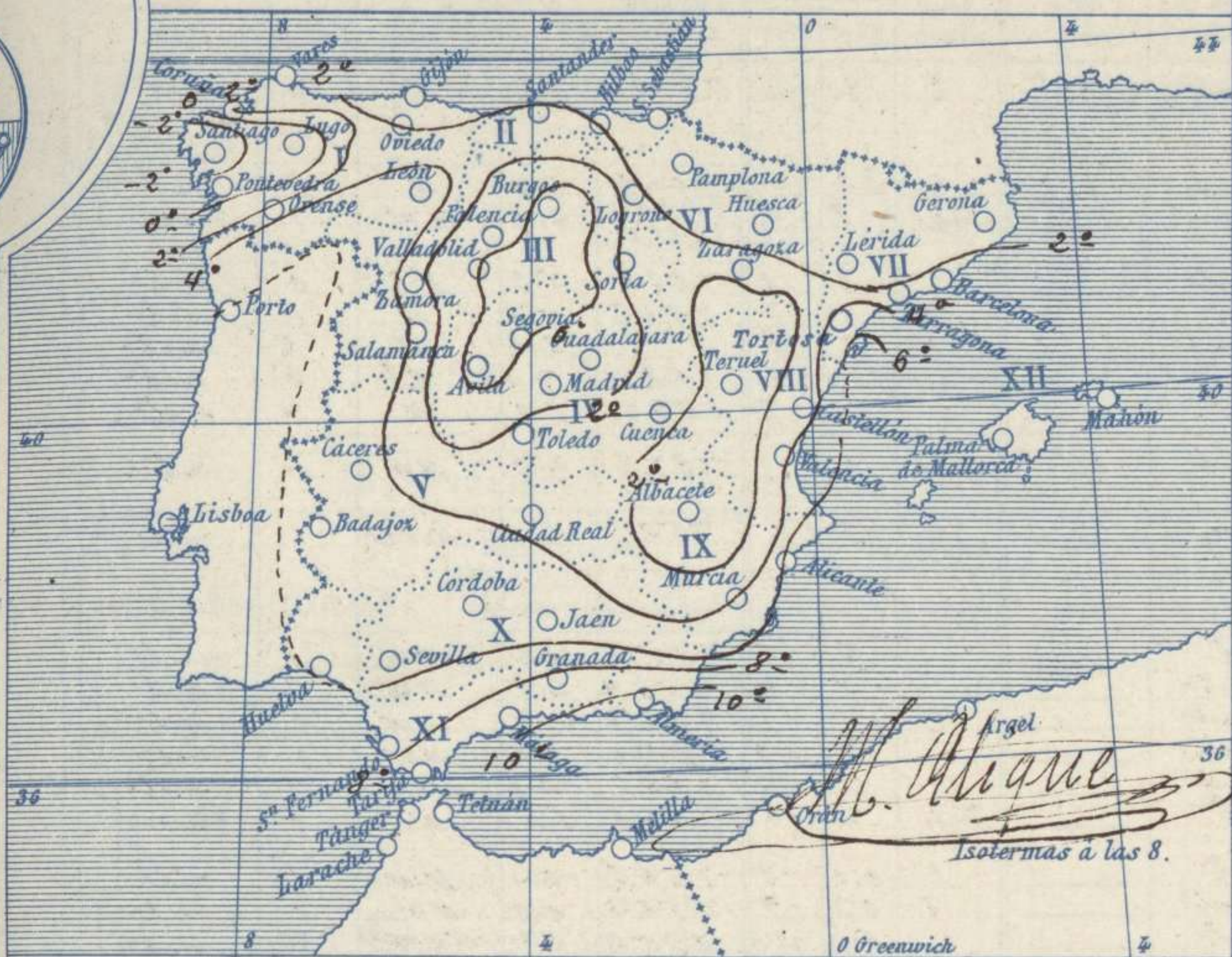
El Director general: Marqués de Teverga

El Ingeniero Geógrafo Jefe del Observatorio. J. Galbis



Temperaturas y Lluvias

Tiempo probable



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

*No se hace predicción*

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

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

*No se envia telegrama.*



Observaciones de Madrid entre 12<sup>h</sup> del día 2 y 12<sup>h</sup> del día 3

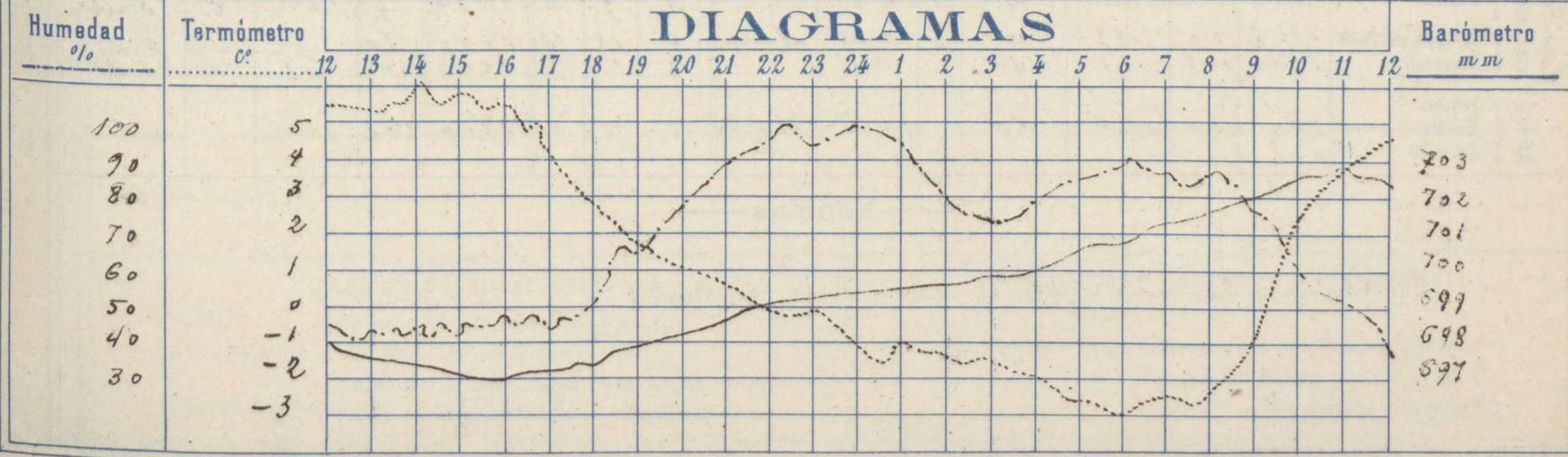
Observaciones aerológicas

PARQUE DEL RETIRO (Altitud 667 m.)

Hora.....

| Hora | Barómetro<br>m m | Termómetro<br>C° | Humedad<br>o/o | Viento    |                       | Lluvia<br>o Nieve | Estado<br>del<br>Cielo | Notas                       | Alturas | Dirección<br>del viento | Fuerza<br>O a 9 | Alturas | Dirección<br>del viento | Fuerza<br>O a 9 |
|------|------------------|------------------|----------------|-----------|-----------------------|-------------------|------------------------|-----------------------------|---------|-------------------------|-----------------|---------|-------------------------|-----------------|
|      |                  |                  |                | Dirección | F <sup>ra</sup> O a 9 |                   |                        |                             |         |                         |                 |         |                         |                 |
| 12   | 692.80           | 5.2              | 45             | WNW       | 4                     |                   | D <sup>82</sup>        | Temp. máx. a la sombra. 6.0 |         |                         |                 |         |                         |                 |
| 16   | 697.70           | 5.4              | 46             | NNW       | 4                     |                   | "                      | Id. mínima id. - 3.0        |         |                         |                 |         |                         |                 |
| 20   | 698.82           | 1.0              | 77             | N         | 1                     |                   | "                      | Horas de Sol despejado      |         |                         |                 |         |                         |                 |
| 24   | 699.85           | -1.3             | 99             | SE        | 1                     |                   | "                      | en el día de ayer           |         |                         |                 |         |                         |                 |
| 4    | 700.00           | -2.0             | 80             | WNW       | 1                     |                   | "                      | 9 h <sup>20</sup> mts       |         |                         |                 |         |                         |                 |
| 8    | 701.18           | -2.2             | 88             | W         | 1                     |                   | "                      |                             |         |                         |                 |         |                         |                 |
| 12   | 702.04           | 4.6              | 37             | NW        | 1                     |                   | "                      |                             |         |                         |                 |         |                         |                 |

DIAGRAMAS





# Observaciones de España

| Observaciones de la mañana á 8 horas |                         |                      |             |           |                 |                  |                |                    |  | Id. en las 24 horas |   |             | Id. de la vispera á 16 horas |        |                  |         |         |
|--------------------------------------|-------------------------|----------------------|-------------|-----------|-----------------|------------------|----------------|--------------------|--|---------------------|---|-------------|------------------------------|--------|------------------|---------|---------|
| Estaciones                           | Barómetro               |                      | Temperatura | Viento    |                 | Estado del cielo | Estado del mar | Lluvia ó nieve     | Temp. <sup>s</sup> extr. <sup>as</sup> |                     | Barom. <sup>o</sup> 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 <sup>za</sup> |                  |                |                    | Max. <sup>a</sup>                      | Min. <sup>a</sup>   |   |             | Dirección                    | Fuerza |                  |         |         |
| Región del N.W. I.                   | Ia Coruña               | 753.3                | 0.6         | 2.9       | S               | 3                | neb.           | M <sup>a</sup>     | 2                                      | 9                   | 0   | 751.3       | 3.2                          | N      | 4                | neb.    |         |
|                                      | Vares                   |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
|                                      | Avilés                  |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
|                                      | Gijón                   | 752.5                | 1.0         | 1.2       | S.E.            | 4                | neb.           |                    | 4                                      | 2                   |   | 750.9       | 4.0                          | N      | 3                | neb.    |         |
|                                      | Oviedo                  | 751.6                | 1.6         | 0.6       | NW              | 1                | nieve          |                    | Sup                                    | 5                   | 4   | 759.6       | 4.2                          | NW     | 1                | nieve   |         |
|                                      | Finisterre              |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
|                                      | Santiago                | 754.9                | 1.2         | -3.8      | N               | 2                | neb.           |                    | 5                                      | 2                   | 2   | 751.6       | 0.3                          | N.E.   | 2                | neb.    |         |
|                                      | Pontevedra              | 753.6                |             | -0.5      | N               | 1                | st.            |                    | 7                                      | 9                   | -1  | 751.2       | 0.0                          | N      | 2                | neb.    |         |
| Región Cantábrica II                 | Lugo                    |                      |             | -4.5      | S               | 1                | neb.           |                    | 2                                      | 2                   | -5  |             | 2.0                          | N      | 2                | neb.    |         |
|                                      | Orense                  | 756.1                |             | 3.0       | S               | 2                | c.d.           |                    | 2                                      | 14                  | -2  | 752.2       | 11.0                         | N.E.   | 3                | neb.    |         |
|                                      | León                    | 750.0                |             | -0.5      | NW              | 2                | st.            |                    | 12                                     | -7                  |   | 757.5       | 1.0                          | N      | 4                | c.d.    |         |
|                                      | Santander               | 750.1                | 0.1         | 2.0       | NW              | 4                | neb.           | M <sup>a</sup>     | 12                                     | 6                   | 1   | 757.8       | 4.7                          | NW     | 4                | neb.    |         |
|                                      | Punta Galea             |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
|                                      | Bilbao                  | 753.2                | +0.4        | 1         | NW              | 3                | nieve          |                    | 14                                     | 9                   | 0   | 752.1       | 2.0                          | N.W.   | 1                | nieve   |         |
|                                      | Cabo Machichaco         |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
|                                      | San Sebastián           |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
| Región del Duero III                 | Zamora                  | 750.5                | 1.0         | -1.5      | NW              | 1                | st.            |                    |  | 5                   | -5  | 755.2       | 4.5                          | NW     | 1                | neb.    |         |
|                                      | Palencia                | 752.1                | 0.2         | -2.8      | 2               | 2                | neb.           |                    |  | -5                  | -6  | 755.9       | 4.5                          | NW     | 2                | c.d.    |         |
|                                      | Burgos                  | 751.0                | 1.0         | -5.0      | Cal.            | 0                | neb.           |                    | 2                                      | -1                  | -1  | 756.7       | -1.7                         | NW     | 0                | neb.    |         |
|                                      | Soria                   | 750.2                | 0.6         | -2.4      | SW              | 5                | neb.           |                    |  | 2                   | -7  | 754.0       | 0.0                          | NW     | 0                | neb.    |         |
|                                      | Valladolid              | 752.4                | 1.6         | -4.4      | SW              | 1                | neb.           |                    |  | 4                   | -5  | 756.1       | -2.6                         | NW     | 4                | neb.    |         |
|                                      | Salamanca               | 750.8                | 1.0         | -1.2      | N               | 1                | st.            |                    | Sup                                    | 2                   | -6  | 754.8       | 1.0                          | N      | 6                | nieve   |         |
| Región Central IV                    | Ávila                   | 752.7                |             | -6.9      | NW              | 1                | st.            |                    | 1                                      | 0.5                 | -8  | 756.2       | -0.4                         | NW     | 2                | neb.    |         |
|                                      | Segovia                 | 752.9                | 1.2         | -5.4      | S               | 0                | neb.           |                    | 2                                      | 0.3                 | -9  | 756.4       | 0.0                          | NW     | 0                | neb.    |         |
|                                      | Madrid                  | 754.4                | 1.8         | -2.2      | W               | 1                | st.            |                    |  | 6.0                 | -2.0  | 755.6       | 5.4                          | N.W.   | 4                | neb.    |         |
|                                      | Toledo                  | 757.6                | 0.2         | 2.5       | NW              | 1                | st.            |                    | Sup                                    | 3                   | -3  | 755.9       | 6.4                          | NW     | 2                | neb.    |         |
|                                      | Guadalajara             | 751.5                | +1.8        | -2.4      | SW              | 0                | st.            |                    |  | 6                   | -4  | 752.7       | 4.4                          | NW     | 5                | c. neb. |         |
|                                      | Cuenca                  | 750.2                | 0.2         | -2.0      | N.E.            | 1                | nieve          |                    | Sup                                    | 4                   | -7  | 756.2       | 3.2                          | S      | 2                | c.d.    |         |
| Extrem <sup>a</sup> Mancha V         | Cáceres                 | 752.0                |             | 3.2       | NW              | 2                | st.            |                    |  | 10                  | 0   | 757.9       | 1.5                          | NW     | 3                | neb.    |         |
|                                      | Badajoz                 | 752.2                | 1.2         | -0.4      | N               | 1                | c.d.           |                    |  | 12                  | 2   | 757.7       | 10.8                         | N      | 3                | c.d.    |         |
|                                      | Ciudad Real             | 752.7                | 2.0         | 0.0       | SW              | 1                | st.            |                    |  | 214                 | -5  | 755.2       | 6.3                          | NW     | 5                | neb.    |         |
|                                      |                         |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
| Alto Ebro VI                         | Logroño                 | 752.0                |             | -1.0      | SW              | 0                | neb.           |                    |  | 2                   | -2  | 755.4       | 1.6                          | SW     | 2                | neb.    |         |
|                                      | Pamplona                | 757.5                |             | -0.6      | NW              | 2                | neb.           |                    | 6                                      | 2                   | -3  | 754.7       | -0.6                         | NW     | 0                | nieve   |         |
|                                      | Huesca                  | 757.5                |             | -2.0      | NW              | 1                | neb.           |                    |  | 7                   | -4  | 752.9       | 4.2                          | NW     | 5                | neb.    |         |
|                                      | Zaragoza                | 759.4                | 0.5         | 1.4       | S               | 0                | neb.           |                    |  | 7                   | -1  | 753.8       | 6.0                          | NW     | 5                | st.     |         |
| Cataluña VII                         | Lérida                  |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
|                                      | Gerona                  | 757.0                | 0.8         | 0.6       | N               | 1                | nieve          |                    | 1                                      | 2                   | 2   | 752.5       | 2.2                          | N      | 4                | c. neb. |         |
|                                      | Barcelona               |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
|                                      | Tarragona               | 757.7                |             | 2.0       | W               | 1                | c.d.           | M <sup>a</sup>     |  | 10                  | 1   | 763.1       | 8.2                          | NW     | 2                | neb.    |         |
| Levante VIII                         | Tortosa                 | 757.8                | +1.6        | 5.6       | N.W.            | 4                | st.            |                    | Sup                                    | 12                  | 3   | 757         | 10.3                         | N.W.   | 2                | c. neb. |         |
|                                      |                         |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
| Región del SE IX                     | Teruel                  | 757.6                |             | -2.4      | N               | 0                | air.           |                    |  | 3                   | -6  | 753.7       | 0.2                          | N      | 0                | neb.    |         |
|                                      | Castellón               | 759.2                | 0.8         | 3.0       | W               | 1                | st.            |                    |  | 213                 | -1  | 755.7       | 4.9                          | W      | 0                | c.d.    |         |
|                                      | Valencia                |                      |             | 4.0       | WSW             | 1                | st.            |                    |  | 12                  | 2   | 757         | 11.6                         | WSW    | 1                | st.     |         |
| Cuenca del Guadalquivir X            | Albacete                | 752.8                | 1.5         | -2.4      | W               | 1                | st.            | Ris.               |  | 5                   | -5  | 754.5       | 4.2                          | NW     | 2                | c. neb. |         |
|                                      | Alicante                | 757.0                | 1.5         | 7.4       | SW              | 2                | st.            |                    |  | 14                  | 5   | 757.5       | 12.1                         | SW     | 7                | c.d.    |         |
|                                      | Murcia                  |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
| Costa del Sur XI                     | Sevilla                 |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
|                                      | Córdoba                 | 762.1                | 3.0         | 4.2       | S               | 1                | st.            |                    |  | 13                  | 2   | 756.3       | 12.0                         | NW     | 4                | neb.    |         |
|                                      | Jaén                    | 752.0                |             | 2.2       | N               | 1                | st.            |                    |  | 8                   | 1   | 756.2       | 7.4                          | N.W.   | 1                | c.d.    |         |
|                                      | Granada                 | 752.1                |             | 5.2       | N               | 2                | st.            |                    |  | 8                   | 1   | 756.9       | 7.8                          | NW     | 6                | st.     |         |
| Balears XII                          | Huelva                  | 762.2                |             | 5.5       | N               | 1                | st.            | M <sup>a</sup>     |  | 14                  | 4   | 758.5       | 11.5                         | N      | 5                | c.d.    |         |
|                                      | San Fernando            | 761.6                | 0.8         | 12.0      | N.E.            | 1                | c.d.           | Ris.               |  | 12                  | 5   | 761.7       | 12.6                         | N.W.   | 5                | neb.    |         |
|                                      | Tarifa                  | 762.0                | 0.8         | 7.4       | N.E.            | 2                | st.            | M <sup>a</sup>     |  | 12                  | 7   | 755.7       | 12.5                         | N.W.   | 6                | neb.    |         |
|                                      | Málaga                  | 762.1                | 1.7         | 7.4       | NW              | 3                | st.            | Ris.               |  | 15                  | 6   | 758.1       | 14.0                         | N.W.   | 4                | st.     |         |
|                                      | Almería                 | 762.3                |             | 14.2      | W               | 1                | c.d.           | Ris.               |  | 16.0                | 8   | 756.4       | 10.0                         | W      | 1                | st.     |         |
| Canarias XIII                        | Palma                   | 756.0                |             | 4.9       | N               | 4                | neb.           | M <sup>a</sup>     |  | 7                   | 11  | 2           | 754.2                        | 9.0    | NW               | 0       | c.d.    |
|                                      | Mañón                   | 756.0                | 4.5         | 7.0       | W               | 1                | c.d.           |                    |  | 5                   | 7   | 4           | 753.9                        | 9      | NW               | 2       | c. neb. |
| Africa                               | Sidi-Brahim             | 762.6                | 0.0         | 13.7      | W               | 0                | c. neb.        | llana              |  | 4                   | 18  | 13          | 764.0                        | 17.0   | N                | 1       | c.d.    |
|                                      | Laguna                  | 764.0                | +0.8        | 2.8       | W.S.W.          | 1                | neb.           |                    |  | 1                   | 17  | 9           | 763.0                        | 14.8   | N.E.             | 2       | c.d.    |
| Africa                               | Tetuan                  |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |
|                                      | Melilla                 | 763.3                | 0.3         | 16.5      | NW              | 1                | neb.           | Muy H <sup>a</sup> |  | 11                  | 6   | 770.0       | 14.2                         | NW     | 1                | c.d.    |         |
|                                      | Larache                 |                      |             |           |                 |                  |                |                    |  |                     |   |             |                              |        |                  |         |         |

## Noticias

Santander = La nieve cubre el suelo (Prof. Sr. Prud)