

DIRECCIÓN GENERAL DEL INSTITUTO GEOGRÁFICO Y ESTADÍSTICO

AÑO XXV

BOLETÍN

1917

Núm. 350

DEL

16 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. 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 ^{va} | | | | Max. ^a | Min. ^a | | | Dirección | F ^{va} | |
| 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 | | | | | | | | | | | | | | |
| Italia | Liorna | | | | | | | | | | | | | | |
| | Roma | | | | | | | | | | | | | | |
| | Cagliari | | | | | | | | | | | | | | |
| | Palermo | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Portugal | Porto | 770.2 | +0.2 | 4.2 | 2h | 3 | emb. ^o | Naua | 17 | 1 | 771.2 | 5.2 | 2h | 4 | g. |
| | Lisboa | 762.2 | +0.1 | 6 | 11 | 1 | di. | N. g. | 15 | 6 | 767.1 | 14 | 11 | 1 | g. |
| | Lagos | 767.4 | 0.0 | 7 | 16 | 1 | di. | N. g. | 16 | 6 | 769.1 | 15 | 6 | 1 | g. |
| | Horta | 767.7 | | 10 | 16 | 9 | | S. g. | 17 | 6 | 767.0 | 16 | N. g. | 9 | emb. ^o |
| | Flores | | | | | | | | | | | | | | |
| | Punta Delgada | 767.4 | +0.2 | 15.0 | 2 N. g. | 4 | br. nua | S. g. | 15 | 10 | 768.7 | 15.9 | 2 N. g. | 5 | emb. ^o |
| Funchal | 765.6 | +0.6 | 15 | 16 | 3 | emb. ^o | | 9 | 1 | 767.4 | 14 | N. g. | 1 | emb. ^o | |
| Marruecos y Argelia | Tánger | 770.1 | | 11.4 | 8h | 2 | emb. ^o | | 16 | 15 | 767.4 | 14.8 | N. g. | 2 | g. |
| | 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

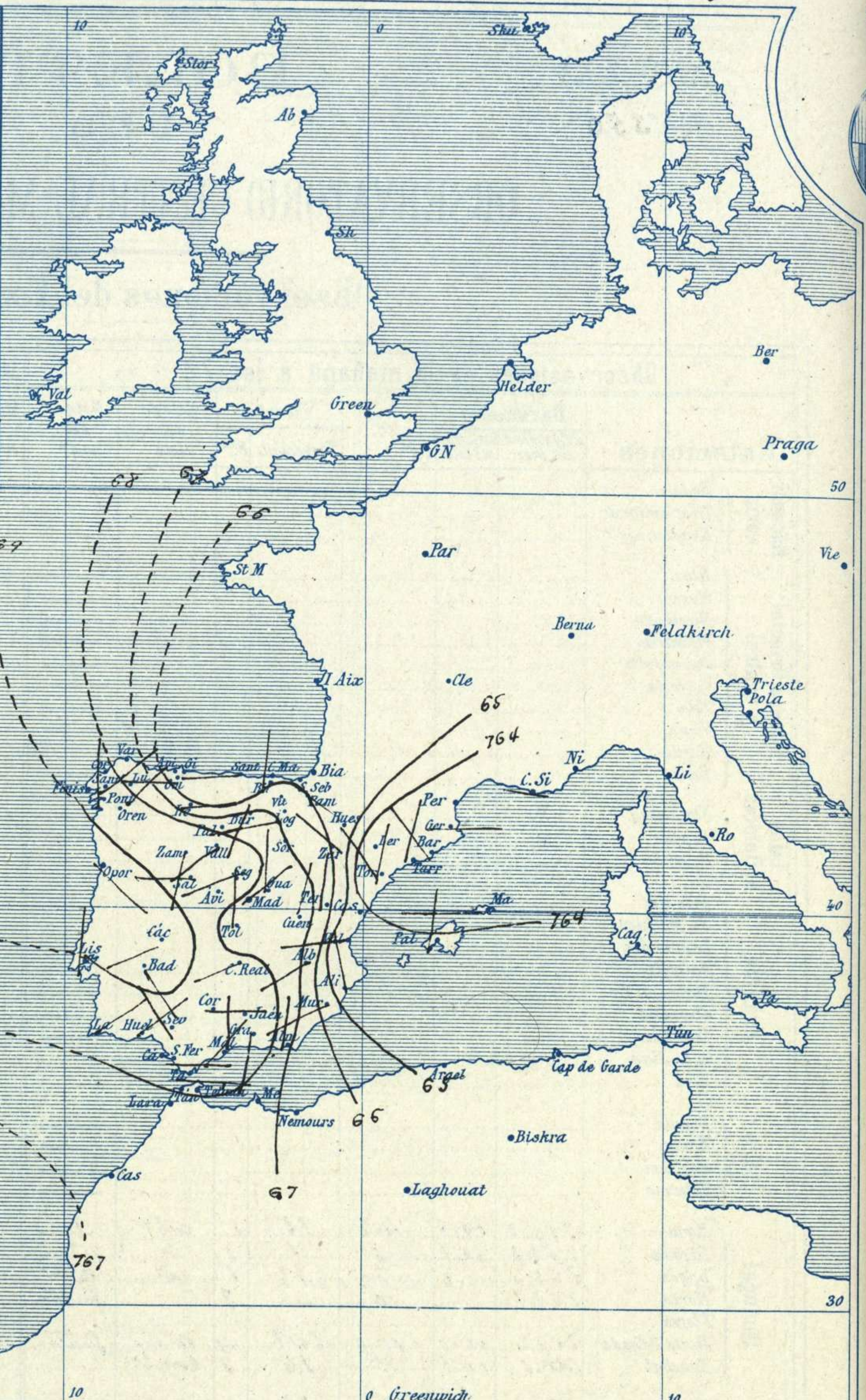
Dirección : Adresse : Address :

Señor
Jefe del Observatorio Central Meteorológico
Parque del Retiro

Madrid. (ESPAÑA)

Apartado n.º 285.

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



Estado general

Una perturbación atmosférica se encuentra al Occidente de Canarias y debe de hallarse otra hacia el Oriente de Francia, de la cual no podemos tener noticias. Generalmente el tiempo es bueno para la península Ibérica si bien tiende a perder estabilidad y a cambiar de régimen. El cielo de España va cubriéndose de nubes los vientos soplaran flojos de dirección variable y las heladas persisten sobre la Meseta Central.

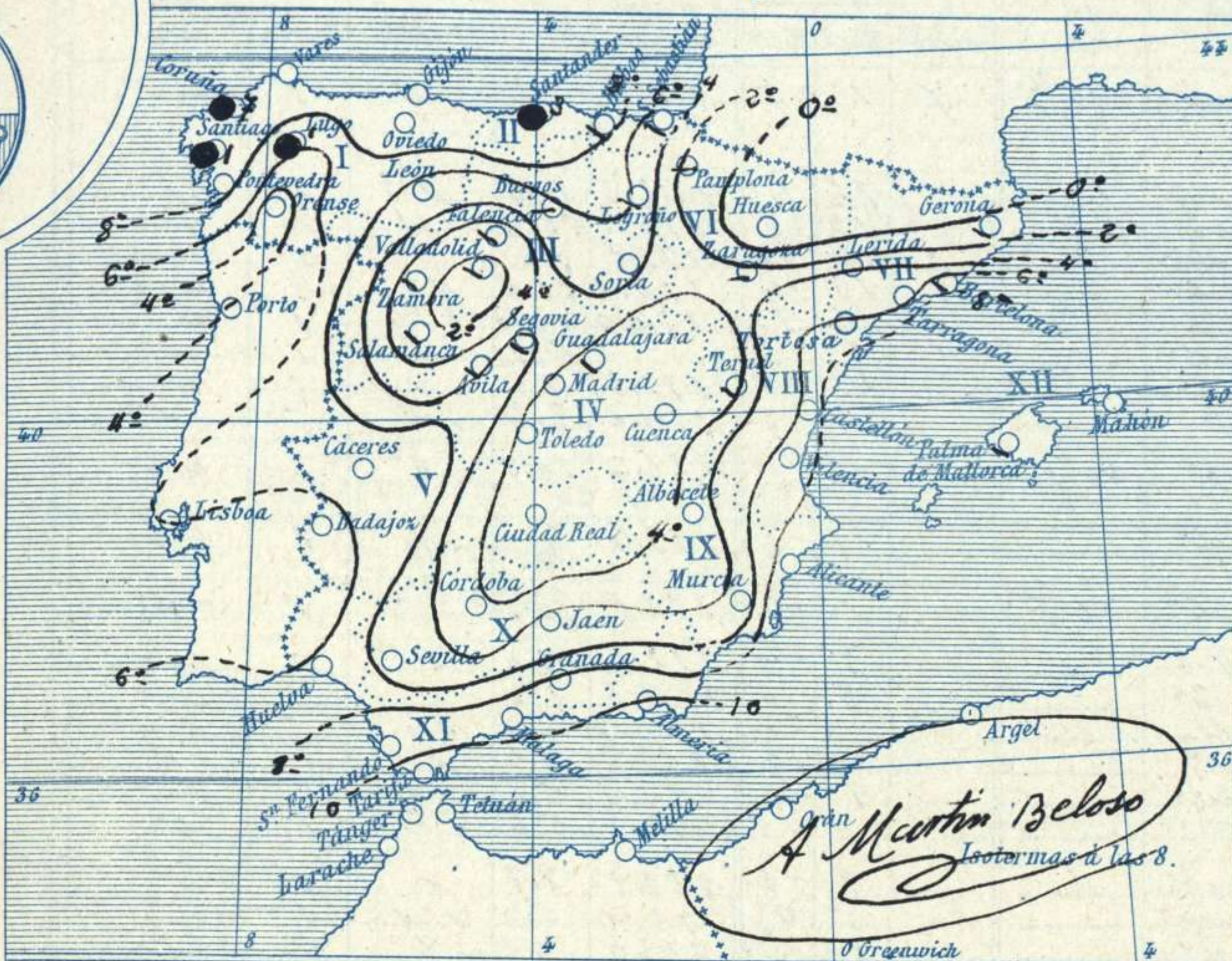
La temperatura máxima de ayer fue de 19 grados en Huebra y la mínima de hoy ha sido de 6 grados bajo cero en Ciudad-Real. Las presiones altas residen al Norte de las Azores.

Saura

El Director general: Marqués de Teverga

El Ingeniero Geógrafo Jefe del Observatorio. J. Galbis

Temperaturas y Lluvias



Tiempo probable

EN LAS REGIONES

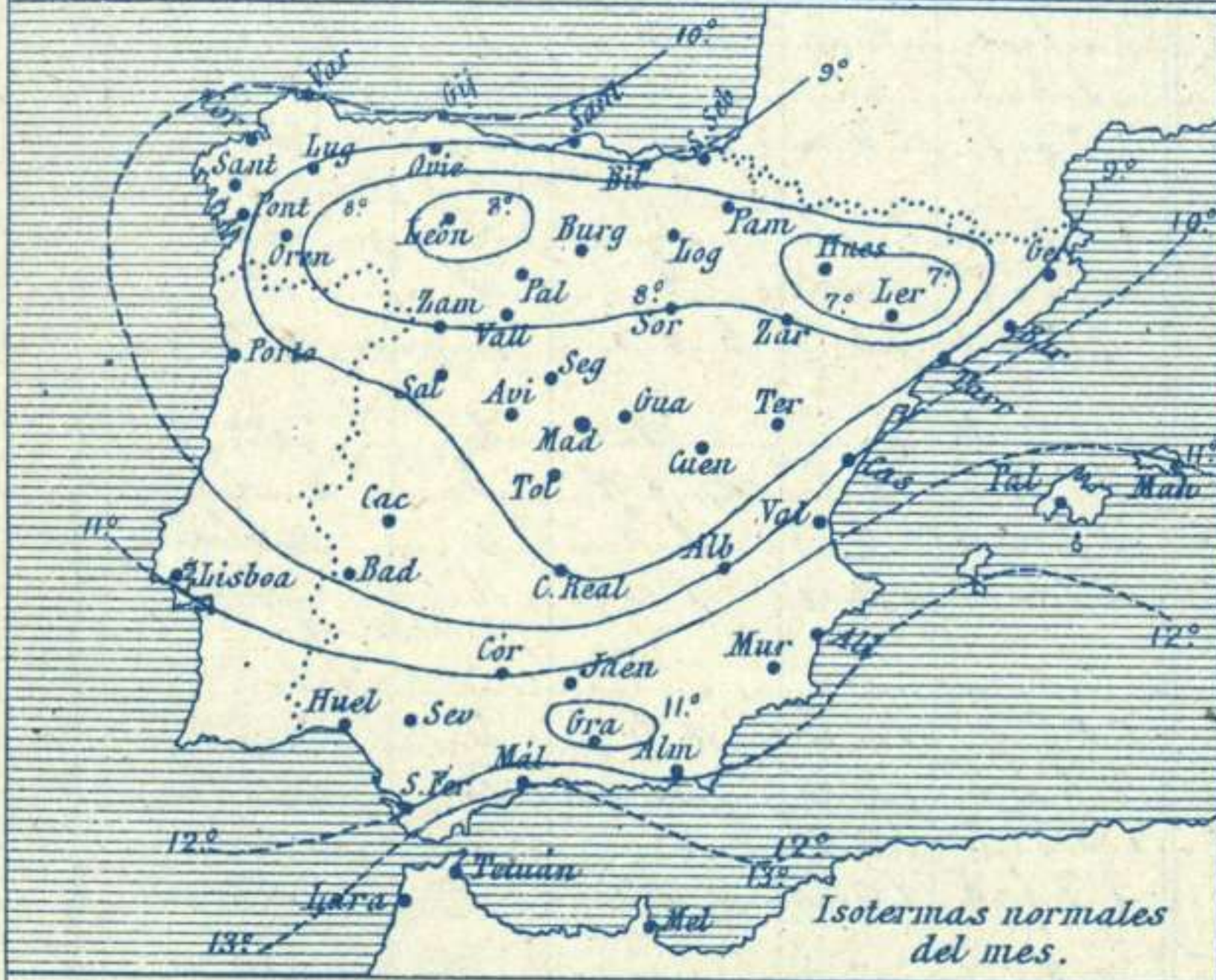
- I
- II
- III
- IV
- V
- VI
- VII
- VIII
- IX
- X
- XI
- XII

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^h del día 16 y 12^h del día 17

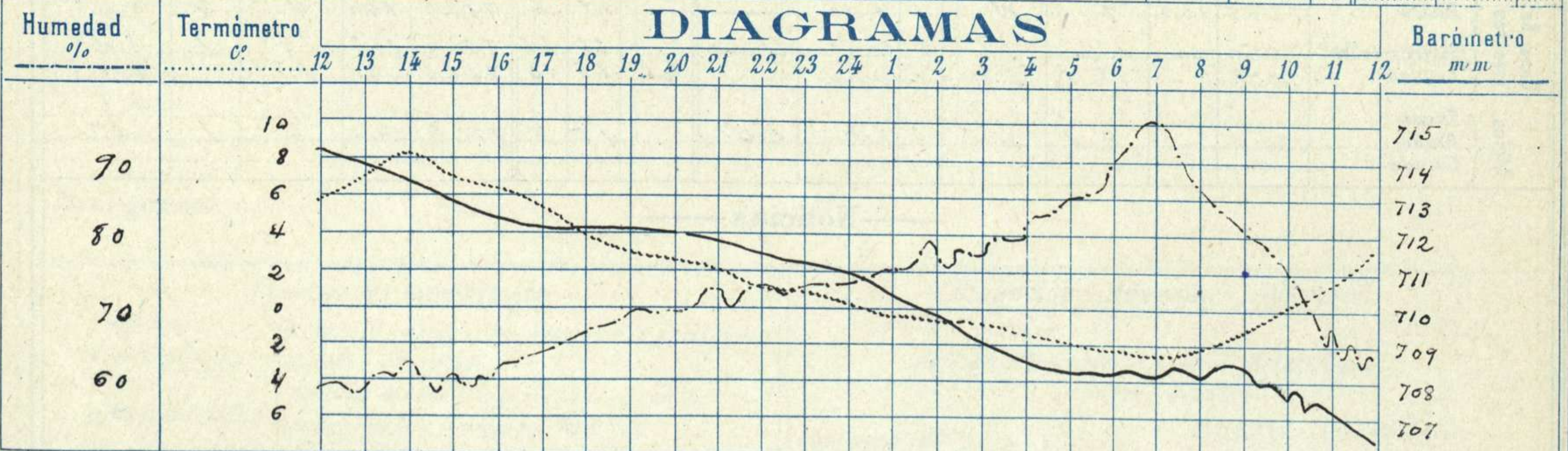
PARQUE DEL RETIRO (Altitud 667 m.)

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 0 a 9 | Alturas | Dirección del viento | Fuerza 0 a 9 | |
|------|------------------|------------------|----------------|-----------|-----------------------|-------------------|------------------------|-------|---------|-------------------------|-----------------|---------|-------------------------|-----------------|--|
| | | | | Dirección | F ^{xa} 0 a 9 | | | | | | | | | | |
| 12 | 714.4 | 5.9 | 59 | NE | 0 | | De | | | | | | | | |
| 16 | 712.4 | 6.7 | 62 | S | 0 | | Id | | | | | | | | |
| 20 | 712.2 | 2.6 | 70 | S | 1 | | Id | | | | | | | | |
| 24 | 711.1 | 0.4 | 73 | S | 0 | | Id | | | | | | | | |
| 4 | 708.5 | -1.0 | 70 | S | 0 | | CD ^{re} | | | | | | | | |
| 8 | 708.2 | -2.0 | 87 | NE | 0 | | CD ^e | | | | | | | | |
| 12 | 706.4 | 3.6 | 64 | SW | 0 | | Nub ^e | | | | | | | | |

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. 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 | 768.4 | +0.6 | 4.0 | E | 3 | nub. | M ^{da} | 7 | 13 | 5 | 774.7 | 11 | N | 1 | nub. | |
| | Vares | | | | | | | | | | | | | | | | |
| | Avilés | | | | | | | | | | | | | | | | |
| | Gijón | 760.0 | +0.1 | 9.0 | SW | 5 | c. nub. | | | 12 | 4 | 772.3 | 11.0 | N.E. | 2 | c. nub. | |
| | Oviedo | 765.4 | | 8.0 | W | 1 | nub. | | | 13 | 1 | 770.9 | 10.6 | W | 1 | nub. | |
| | Finisterre | 768.9 | -1.3 | 11.6 | Cal. | 0 | c. nub. | M ^{da} | 6 | 14 | 10 | 771.9 | 1.3 | | 0 | c. nub. | |
| | Santiago | | -0.2 | 8.8 | N.E. | 2 | nub. | | 1 | 13 | 4 | 772.4 | 10.0 | N.E. | 2 | nub. | |
| | Pontevedra | 768.6 | 0.0 | 10.0 | N | 2 | nub. | | | 15 | 10 | 772.0 | 12.7 | S.E. | 1 | nub. | |
| Lugo | | | 3.1 | E | 1 | c. nub. | | | 1 | 6 | 3 | 6.5 | | | 1 | nub. | |
| Orense | 768.1 | 0.0 | 1.0 | N.E. | 1 | nub. | | | 13 | -4 | 771.6 | 9.5 | N | 1 | nub. | | |
| León | 768.6 | | 0.0 | 6 | 2 | nub. | | | 4 | -5 | 774.2 | 3.4 | S.W. | 1 | nub. | | |
| Región Cantábrica II | Santander | 764.7 | -0.8 | 10.7 | W | 3 | nub. | M ^{da} | 5 | 12 | 5 | 776.4 | 10.5 | E | 1 | nub. | |
| | Punta Galea | | | | | | | | | | | | | | | | |
| | Bilbao | 768.0 | +0.2 | 9 | N | 1 | nub. | | | 8 | 6 | 773.4 | 9 | S.E. | 1 | nub. | |
| | Cabo Machichaco | | | | | | | | | | | | | | | | |
| San Sebastián | 768.2 | +2.4 | 5.0 | S.E. | 2 | nub. | M ^{da} | | 10 | 0 | 777.1 | 9.2 | S | 1 | nub. | | |
| Región del Duero III | Zamora | 767.1 | -1.0 | -3.3 | E | 3 | nub. | | | 8 | -4 | 772.1 | 10.6 | E | 0 | nub. | |
| | Palencia | 768.0 | -2.0 | -2.5 | E | 0 | nub. | | | 8 | -3 | 772.3 | 6.4 | | 0 | nub. | |
| | Burgos | 766.3 | -1.3 | 0.0 | SW | 0 | nub. | | | 3 | -6 | 772.0 | 3.8 | N.E. | 0 | nub. | |
| | Soria | 766.7 | -0.4 | 0.4 | SW | 2 | nub. | | | 12 | 0 | 769.6 | 7.2 | N | 1 | nub. | |
| | Valladolid | 768.2 | -1.8 | -4.6 | E | 2 | nub. | | | 9 | -5 | 772.0 | 5.6 | N.E. | 1 | nub. | |
| | Salamanca | 767.6 | -0.2 | 1.0 | W | 1 | nub. | | | 6 | -5 | 771.6 | 5.6 | S.E. | 1 | nub. | |
| Región Central IV | Ávila | 766.3 | 1.3 | -9.4 | W | 0 | nub. | | | 9 | -5 | 782.9 | 8.7 | N | 0 | nub. | |
| | Segovia | 768.2 | 0.0 | 2.0 | N.W. | 0 | nub. | | | 5 | 0 | 772.4 | 9.0 | N.W. | 0 | nub. | |
| | Madrid | 767.4 | -1.3 | -6.0 | N.E. | 0 | nub. | | | 8.2 | -2.0 | 772.0 | 6.7 | S | 0 | nub. | |
| | Toledo | 768.4 | -1.2 | -1.9 | N | 0 | nub. | | | 10 | -3 | 771.4 | 9.4 | N.E. | 1 | nub. | |
| | Guadalajara | | 0.0 | -3.4 | N | 0 | nub. | | | 11 | -5 | 771.7 | 9.5 | N.W. | 1 | nub. | |
| | Cuenca | 768.0 | +0.1 | 0.0 | N.W. | 0 | nub. | | | 10 | -6 | 774.9 | 10.2 | W | 1 | nub. | |
| Extrem ^a Mancha V | Cáceres | 768.7 | | 4.6 | SW | 1 | nub. | | | 14 | -2 | 770.9 | 13.6 | N | 2 | nub. | |
| | Badajoz | 769.4 | -0.2 | -1.4 | S | 0 | nub. | | | 14 | -3 | 771.2 | 14.0 | | 0 | nub. | |
| | Ciudad Real | 768.7 | -2.0 | -3.0 | SW | 0 | nub. | | | 11 | -6 | 772.6 | 10.7 | S.E. | 3 | nub. | |
| Alto Ebro VI | Logroño | 764.7 | | 3.7 | N.W. | 1 | nub. | | | 9 | 0 | 772.6 | 7.2 | W | 2 | nub. | |
| | Pamplona | 765.8 | | -0.6 | N.W. | 0 | nub. | | | 8 | -2 | 771.6 | 6.2 | N.W. | 0 | nub. | |
| | Huesca | 765.8 | | 3.4 | S.E. | 0 | nub. | | | 2.0 | -2.5 | 772.2 | -2.0 | S | 0 | nub. | |
| | Zaragoza | 769.2 | -1.0 | 1.0 | N.W. | 0 | nub. | | | 11 | -3 | 771.1 | 10.4 | N.W. | 1 | nub. | |
| Cataluña VII | Lérida | 762.8 | -1.6 | 0.0 | E | 0 | nub. | | | 2.3 | -1 | 769.1 | 11.6 | N.E. | 0 | nub. | |
| | Gerona | 760.7 | -0.4 | 3 | N.W. | 3 | c. nub. | M ^{da} | | 15 | 4 | 768.5 | 11.0 | N | 2 | nub. | |
| | Barcelona | 763.7 | 0.0 | 5.3 | N.W. | 2 | c. nub. | blanca | | 13 | 4 | 769.6 | 10.0 | N | 2 | nub. | |
| | Tarragona | 762.4 | 0.0 | 7.5 | N | 4 | nub. | | | 11 | 2 | 771.8 | 10.2 | N.W. | 1 | nub. | |
| Levante VIII | Teruel | 767.0 | | -4.6 | N | 0 | nub. | | | 10 | -5 | 771.6 | 5.8 | N | 0 | nub. | |
| | Castellón | 765.3 | -1.0 | 5.7 | N.W. | 0 | nub. | | | 18 | -4 | 762.6 | 6.9 | N | 0 | nub. | |
| | Valencia | 764.3 | | 6.6 | N.W. | 1 | nub. | | | 15 | 2 | 769.9 | 13.6 | S.W. | 1 | nub. | |
| Región del Guadalquivir X del SE IX | Albacete | 769.3 | -1.0 | -1.0 | SW | 0 | nub. | | | 10 | -2 | 771.3 | 9.2 | W | 0 | nub. | |
| | Alicante | 765.1 | +1.0 | 9.9 | N.E. | 1 | nub. | blanca | | 7 | 0 | 769.7 | 3.0 | E | 1 | nub. | |
| | Murcia | 766.4 | 0.0 | 3.4 | SW | 1 | nub. | | | 15 | 2 | 770.4 | 1.5 | SW | 1 | nub. | |
| Cuenca del Guadalquivir XI | Sevilla | 768.1 | | 5.2 | N.W. | 4 | nub. | | | 18 | 2 | 769.0 | 17.4 | S.W. | 6 | nub. | |
| | Córdoba | 768.2 | +1.0 | 1.6 | E | 1 | nub. | | | 16 | 0 | 770.0 | 16.0 | S.E. | 1 | nub. | |
| | Jaén | 768.3 | | 5.8 | S.W. | 0 | nub. | | | 13 | 4 | 770.5 | 11.6 | N.W. | 0 | nub. | |
| | Granada | 767.5 | | 4.6 | S | 0 | nub. | | | 13 | 0 | 771.1 | 12.0 | N | 1 | nub. | |
| Costa del Sur XII | Huelva | 767.9 | -1.6 | 5.9 | S.E. | 1 | c. nub. | M ^{da} | | 19 | 2 | 767.5 | 13.1 | E | 2 | nub. | |
| | San Fernando | 767.6 | -1.2 | 9 | E | 1 | c. nub. | blanca | | 17 | 6 | 769.5 | 1.3 | S.W. | 2 | nub. | |
| | Tarifa | 766.3 | -0.4 | 13.0 | E | 5 | nub. | blanca | | 14 | 12 | 767.9 | 13.8 | E | 2 | nub. | |
| | Málaga | 769.5 | 2.1 | 9 | N | 1 | nub. | blanca | | 16 | 7 | 769.0 | 15.0 | E | 2 | nub. | |
| | Almería | 765.8 | | 10.6 | N | 0 | nub. | blanca | | 19 | 8 | 773.0 | 15.0 | E | 0 | nub. | |
| Canarias XIII | Palma | 764.7 | -1.3 | 6 | N | 2 | nub. | M ^{da} | | 13 | 4 | 769.2 | 10 | N | 4 | nub. | |
| | Mahón | 764.3 | +0.5 | 9 | W | 1 | c. nub. | | | 13 | 6 | 769.1 | 12 | N | 4 | c. nub. | |
| Africa | Tetuán | 765.2 | 0.0 | 17.4 | S.E. | 1 | c. nub. | blanca | | 21 | 16 | 766.4 | 13.7 | S.E. | 1 | c. nub. | |
| | Larache | 765.7 | | 12.5 | S.E. | 0 | nub. | | 4.0 | 15 | 10 | 762.6 | 14.3 | S.E. | 0 | nub. | |

— Noticias —