

DIRECCIÓN GENERAL DEL INSTITUTO GEOGRÁFICO Y ESTADÍSTICO

AÑO XXIII

Nº 348

BOLETÍN DEL

1915

14 de Diciembre

OBSERVATORIO CENTRAL METEOROLÓGICO

Observaciones del Extranjero

| Estaciones | Observaciones de la mañana á las 7 ^h | | | | | | Id.en las 24 horas | | Id.de la víspera por la tarde | | | | | |
|---------------|---|-------------------------|-------------|---------------------|-----------------|------------------------|----------------------|----------------------|---|---|-------------|---------------------|-----------------|------------------------|
| | Barómetro á 0° y al nivel del mar | Variación en 3 horas | Temperatura | Viento Dirección | F ^{ra} | Estado del cielo | Estado del mar | Lluvia ó nieve | Temp ^s extr ^{as} Max. ^a Min. ^a | Barom. ^s á 0° y al nivel del mar | Temperatura | Viento Dirección | F ^{ra} | Estado del cielo |
| Bodo | 750.1 | -0.6 | ~8 | 8 | 6 | c. cub. | | | 10 12 | 753.8 | -14 | 8 | 4 | fr. |
| Gristiansund | 756.2 | -1.9 | | NW | 0 | nieve | M de | 13 | 2 -3 | 754.0 | 2.5 | NW | 7 | nieve |
| Shudesnoes | | | | | | | | | | | | | | |
| Riga | | | | | | | | | | | | | | |
| Moscou | | | | | | | | | | | | | | |
| Nicolaiew | | | | | | | | | | | | | | |
| Feldkirch | | | | | | | | | | | | | | |
| Czernorovitz | | | | | | | | | | | | | | |
| Gracovia | | | | | | | | | | | | | | |
| Pola | | | | | | | | | | | | | | |
| Viena | | | | | | | | | | | | | | |
| Berlin | | | | | | | | | | | | | | |
| Berna | | | | | | | | | | | | | | |
| Stornoway | | | | | | | | | | | | | | |
| Shields | | | | | | | | | | | | | | |
| Valentia | | | | | | | | | | | | | | |
| Oris Nex | | | | | | | | | | | | | | |
| St. Mathieu | | | | | | | | | | | | | | |
| Isla de Aix | | | | | | | | | | | | | | |
| Biarritz | | | | | | | | | | | | | | |
| Paris | | | | | | | | | | | | | | |
| Clermont | | | | | | | | | | | | | | |
| Perpiñán | | | | | | | | | | | | | | |
| Cabo Sicié | | | | | | | | | | | | | | |
| Niza | | | | | | | | | | | | | | |
| Lisboa | 776.1 | 0.0 | 4.0 | 18 | 4 | nub. | llana | | 10 1 | 777.3 | 6.6 | Cal. | 0 | fr. |
| Lagos | 774.7 | -0.8 | 5 | N | 2 | 4 ^o | | | 11 5 | 794.7 | 10 | N | 2 | Ar. |
| Horta | 773.0 | 6.8 | | | | | | | 14 6 | 770.4 | 10.0 | N | 2 | Ar. |
| Flores | 771.7 | +0.4 | 16.7 | NW | 2 | c. cub. | M ua | | 11 19 | 771.4 | 17 | SW | 2 | Ar. |
| Ponta Delgada | 773.3 | -0.2 | 14.3 | W NW | 5 | nub. | M ua | | 12 17 | 775.1 | 16.7 | JW | 5 | Ar. |
| Funchal | 772.9 | -0.1 | 14 | 16 | 3 | nub. | M ua | | 13 14 | 771.6 | 14 | N | 4 | Ar. |
| Tánger | | | | | | | | | | | | | | |
| Oran | | | | | | | | | | | | | | |
| Laghouat | | | | | | | | | | | | | | |
| Argel | | | | | | | | | | | | | | |
| Cap de Garde | | | | | | | | | | | | | | |
| Túnez | | | | | | | | | | | | | | |
| Biskra | | | | | | | | | | | | | | |

Radiogramas

Precios de suscripción

Un año 18 pesetas. Un semestre 9 pesetas.

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

Dirección : Adresse : Address :

Señor

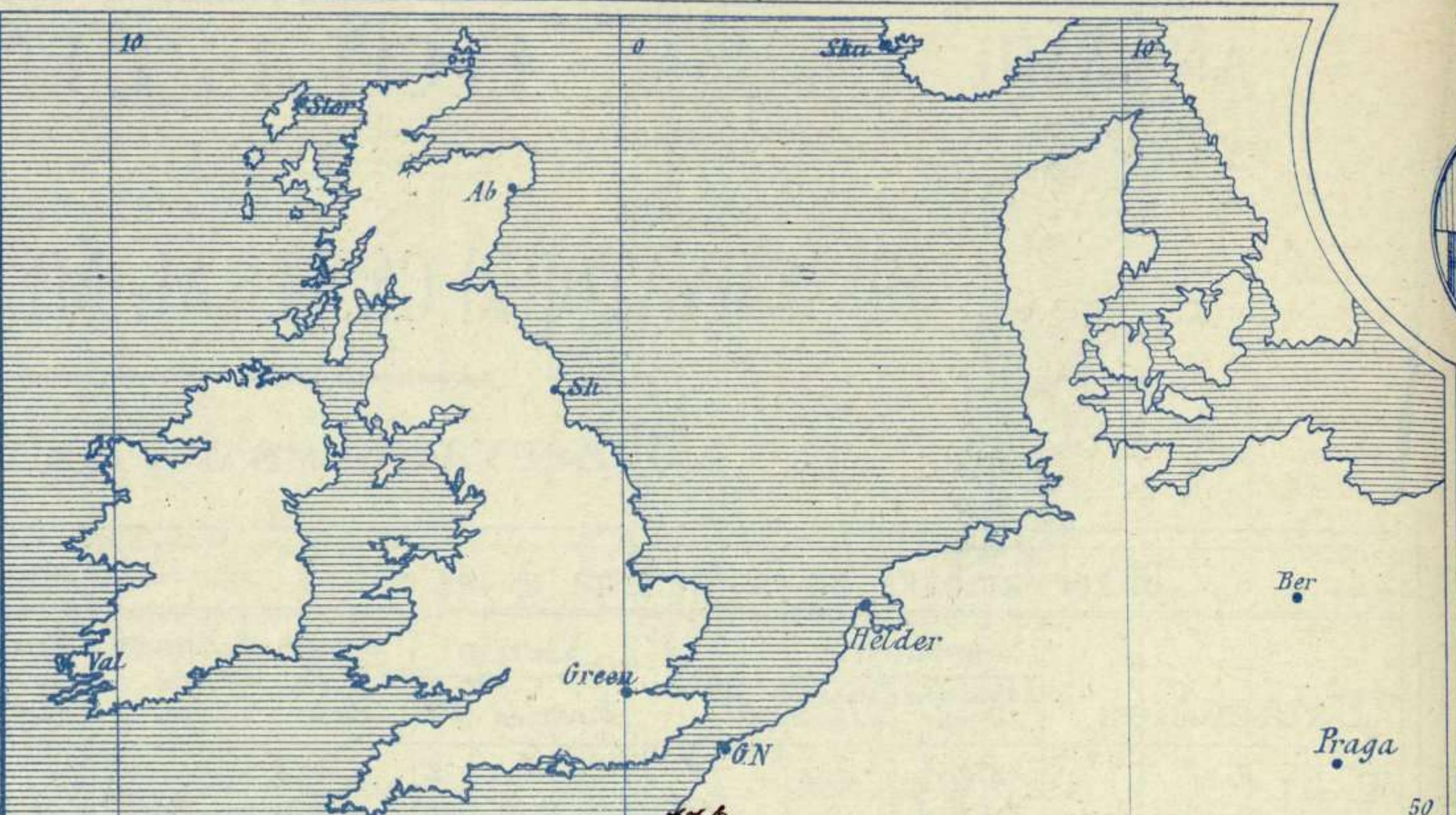
Jefe del Observatorio Central Meteorológico

Parque del Retiro

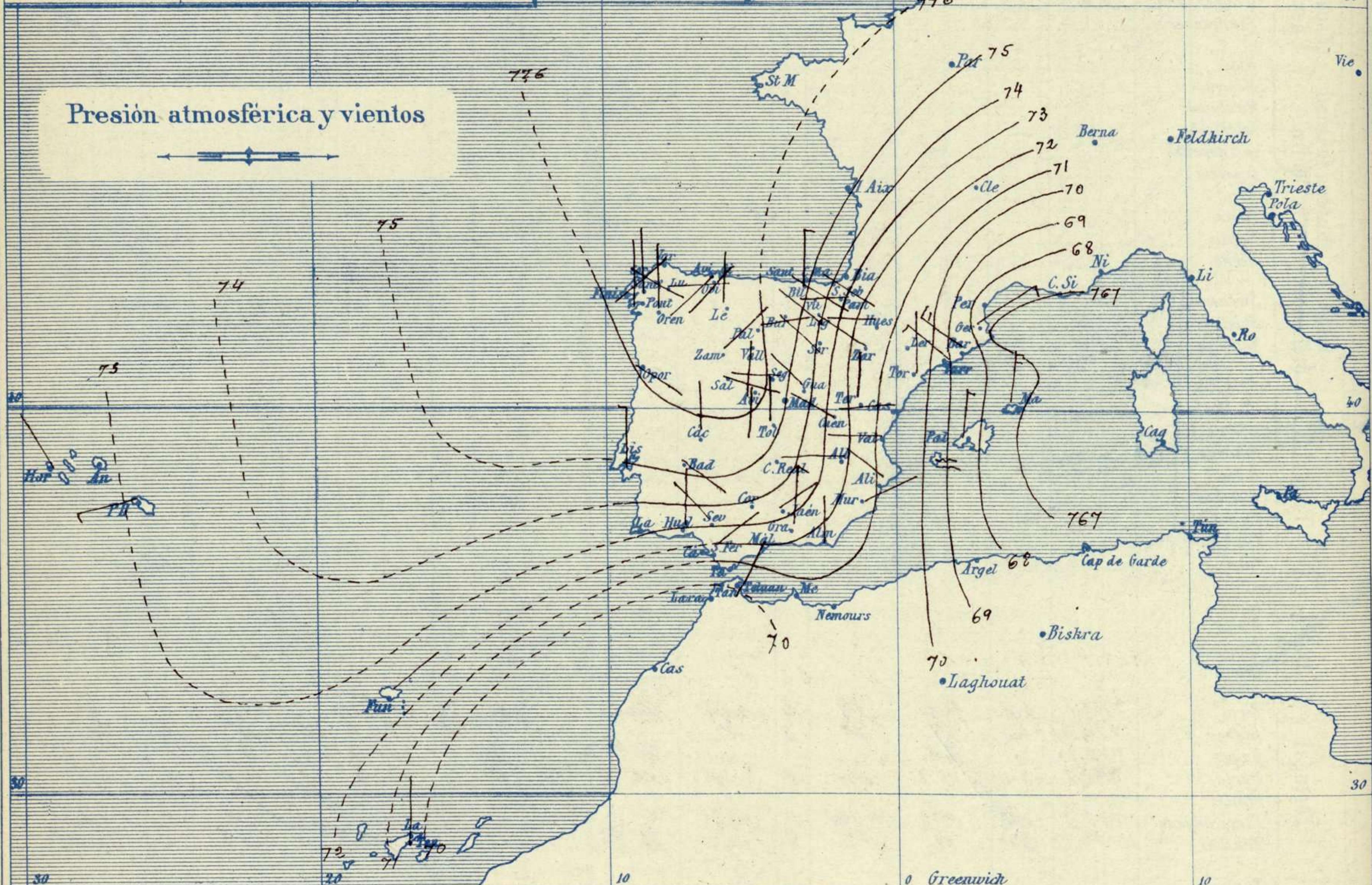
Madrid. (ESPAÑA)

Apartado nº 285.

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



Presión atmosférica y vientos



Estado general

Se alejan las presiones débiles hacia Italia y las altas aparecer situadas hacia las Islas Británicas.

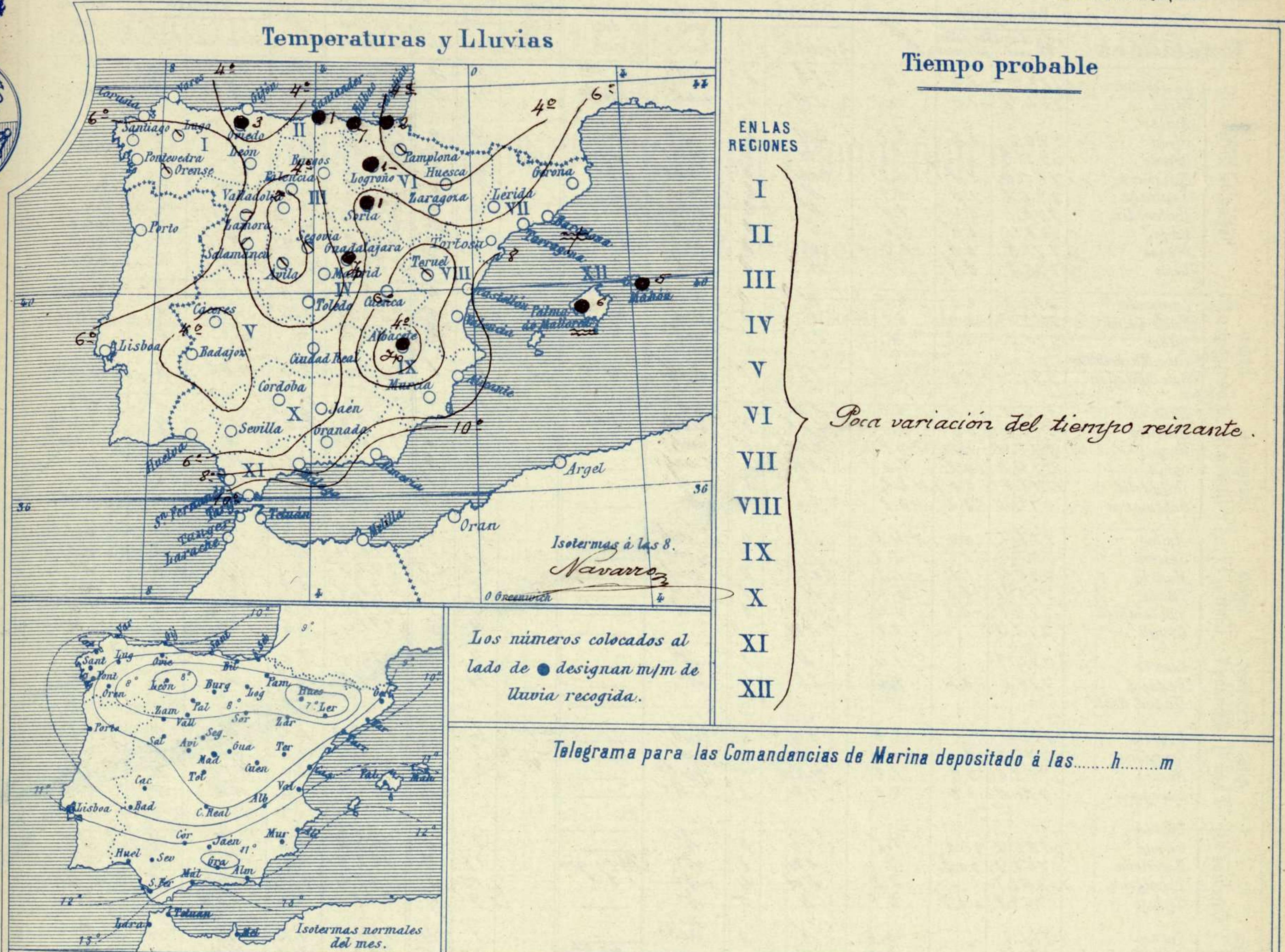
El tiempo mejoró por todas partes, el cielo está con pocas nubes los vientos soplan fofos de dirección variable y la temperatura va descendiendo: la máxima de ayer fué de 17 grados en Zarzuela y Almería y la mínima de hoy ha sido de 5 grados bajo cero en León Ávila y Segovia.

El mar está poco agitado por todo el litoral de la península Ibérica.

Sandra

de Diciembre de 1915

Num. 348.

Observaciones de Madrid entre 12^h del dia 13 y 12^h del dia 14

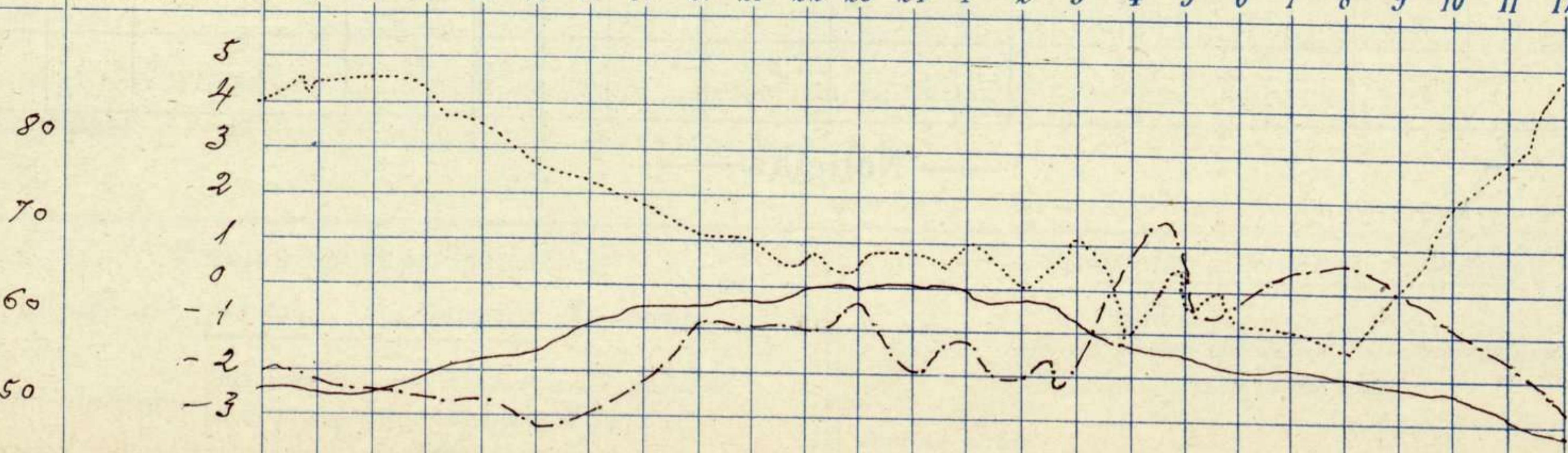
PARQUE DEL RETIRO (Altitud 667 m.s.)

Observaciones aerológicas

Hora

| Hora | Barómetro m.m | Termómetro C° | Humedad % | Viento | | Lluvia o Nieve | Estado del Cielo | Notas | Alturas | Dirección del viento | Fuerza del viento | Alturas | Dirección del viento | Fuerza del viento |
|------|------------------|------------------|--------------|-----------|----------|-------------------|------------------------|----------------------------|---------|-------------------------|----------------------|---------|-------------------------|----------------------|
| | | | | Dirección | Fra. Óag | | | | | | | | | |
| 12 | 713.40 | 4.0 | 55 | N | 3 | | ○ Nub ⁸ | Temperatura máxima á | | | | | | |
| 16 | 714.05 | 3.4 | 49 | N | 4 | | ○ despejado | la sombra 14.6 | | | | | | |
| 20 | 715.45 | 1.4 | 80 | NW | 1 | | ○ despejado | Td mínima 18 - 2.5 | | | | | | |
| 24 | 716.05 | 0.7 | 55 | NW | 1 | | ○ despejado | Horas de Sol despejado en | | | | | | |
| 4 | 714.65 | -1.1 | 69 | SSE | 0 | | ○ despejado | el dia de ayer 8 h. 45 mts | | | | | | |
| 8 | 714.07 | -1.3 | 85 | Calma | 0 | | ○ despejado | | | | | | | |
| 12 | 712.66 | 4.0 | 52 | SSW | 0 | | ○ cub ¹ | | | | | | | |

DIAGRAMAS

Barómetro
m.m
 718
 717
 716
 715
 714
 713

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 ^s extr ^{as} | | Barom. ^r á 0 ^o y al nivel del mar | Temperatura | Viento | | Estado del cielo | |
| | á 0 ^o y al nivel del mar | Variación en 3 horas | | Dirección | Fra | | | | Max. ^a | Min. ^a | | | Dirección | Fuerza | | |
| Región del N.W.I. | La Coruña | 777.5 | -0.9 | 4 | SE | 8 | c. d. | M uña | | 11 | 8 | 777.5 | 9 | NW | 5 | d. |
| | Vares | 774.4 | -1.0 | 4.1 | SW | 2 | nub. | M uña | | 11 | 4 | 776.9 | 8.0 | N | 2 | ens. |
| | Avilés | | | | | | | | | | | | | | | |
| | Gijón | 776.8 | 0.0 | 2.8 | SW | 2 | c. d. | Ria | | 16 | 0 | 776.8 | 8.4 | N | 0 | nub. |
| | Oviedo | 775.2 | | 2.0 | SW | 2 | nub. | | | 7 | 1 | 772.2 | 0.4 | E | 1 | nub. |
| | Puertorriente | 775.0 | +1.0 | 7.2 | CAL | 0 | c. cub. | | | 13 | 2 | 772.2 | N | | | |
| | Santiago | 776.2 | -1.0 | 6.9 | N | 2 | nub. | | | 9 | 0 | 771.6 | 7.1 | NW | 2 | nub. |
| | Pontevedra | 775.1 | -0.4 | 1.0 | N | 2 | nub. | | | 12 | -2 | 776.8 | 10.4 | N | 3 | c. d. |
| | Lugo | 776.4 | 0.0 | 5.6 | E | 2 | cub. | | | 5 | 5 | 775.8 | 4.5 | NE | 3 | nub. |
| | Orense | 777.8 | 0.0 | 0.0 | N | 1 | nub. | | | 10 | -3 | 770.2 | 9.0 | N | 1 | nub. |
| | León | 776.3 | 0.8 | 1.7 | N | 2 | c. d. | | | 8 | -5 | 774.6 | 4.0 | N | 4 | nub. |
| Región Cantábrica II | Santander | 774.8 | 0.0 | 6.5 | W | 0 | nub. | M uña | 1 | 9 | 4 | 775.1 | 2.5 | N | 2 | nub. |
| | Punta Galea | 775.5 | 0.0 | 6.1 | N | 5 | nub. | M uña | 2 | 8 | 5 | 774.3 | 7.4 | NW | 6 | c. cub. |
| | Bilbao | 775.3 | -0.2 | 4 | SE | 1 | cub. | | 7 | 9 | 8 | 775.3 | 6 | E | 0 | nub. |
| | Cabo Machichaco | | | | | | | | | | | | | | | |
| | San Sebastián | 774.5 | 0.0 | 4.0 | SE | 1 | nub. | M uña | 2 | 8 | 1 | 775.0 | 8.0 | NNW | 5 | ciel. |
| Región duero III | Zamora | 776.0 | +1.0 | 0.6 | NE | 2 | nub. | | | 8 | -2 | 774.7 | 7.1 | N | 1 | go |
| | Palencia | 778.2 | 0.0 | 3.0 | ENE | 2 | nub. | | | 3 | -2 | 775.9 | 8.0 | N | 4 | nub. |
| | Burgos | 775.4 | 0.0 | -0.9 | NNW | 0 | cub. | | | 3 | -3 | 776.2 | N | 1 | nub. | |
| | Soria | 774.6 | +0.2 | 1.0 | NNW | 1 | c. cub. | | | 1 | 2 | 775.2 | 7.8 | N | 2 | nub. |
| | Valladolid | 778.3 | 0.0 | -2.2 | S | 0 | c. d. | | | 4 | -2 | 776.5 | 4.4 | NE | 2 | nub. |
| | Salamanca | 774.7 | -0.2 | -0.8 | SE | 1 | d. | | | 9 | -4 | 773.8 | 3.6 | NNW | 2 | nub. |
| Extrem. ^a Central IV | Ávila | 777.5 | 0.0 | -4.8 | S | 0 | c. cub. | | | 0 | -5 | 774.9 | -1.4 | N | 4 | nub. |
| | Segovia | 777.6 | +0.5 | -2.0 | W | 0 | c. cub. | | | 1 | -5 | 770.4 | 0.5 | N | 2 | go |
| | Madrid | 776.4 | -1.2 | -1.2 | CAL | 0 | nub. | | | 4.6 | -2.5 | 774.5 | 3.4 | N | 4 | go |
| | Toledo | 775.4 | -0.3 | 0.4 | N | 1 | nub. | | | 6 | -2 | 773.4 | 5.2 | N | 1 | agu. |
| | Guadalajara | 774.3 | -0.2 | 0.4 | NNW | 0 | c. d. | | | 5 | -1 | 773.1 | 3.6 | N | 4 | c. d. |
| | Cuenca | 772.4 | | 0.8 | NNW | 0 | c. d. | | | 4 | -2 | 771.4 | 2.6 | E | 5 | c. cub. |
| Extrem. ^a Mancha V | Cáceres | 774.9 | | 1.4 | N | 1 | d. | | | 9 | 0 | 774.0 | 8.6 | N | 3 | go |
| | Badajoz | 775.3 | -0.4 | 1.2 | SE | 1 | d. | | | 10 | 0 | 773.8 | 10.2 | N | 2 | go |
| | Ciudad Real | | | | | | | | | | | | | | | |
| Alto Ebro VI | Logroño | 775.3 | | 2.6 | NNW | 0 | cub. | | | 1 | 4 | 1 | 3.4 | W | 1 | nub. |
| | Pamplona | 772.9 | 0.0 | -0.4 | W | 0 | nub. | | | 9 | -1 | 772.1 | 4.6 | NNW | 0 | nub. |
| | Huesca | 769.6 | 0.0 | 1.2 | NNW | 5 | nub. | | | 4.0 | -1.5 | 771.6 | 2.0 | NNW | 6 | go |
| | Zaragoza | 771.0 | 0.0 | 4.0 | NNW | 2 | c. d. | | | 5 | 1 | 774.0 | 4.0 | NNW | 1 | nub. |
| Cataluña VII | Lérida | 767.4 | +1.0 | 7.8 | NE | 5 | d. | | | 9 | 6 | 765.8 | 6.6 | N | 4 | go |
| | Girona | 765.7 | +0.3 | 7 | NNW | 8 | d. | Muy gira | | 17 | 4 | 764.9 | 12 | S | 6 | go |
| | Barcelona | 768.7 | 3.3 | NNW | 4 | d. | | | | 15 | 2 | 767.4 | 13.4 | NNW | 8 | c. d. |
| | Tarragona | 769.8 | +0.8 | 6.1 | N | 5 | d. | | | 9 | 4 | 768.2 | 7.0 | NNW | 5 | go |
| | Tortosa | | | | | | | | | | | | | | | |
| Lavante VIII | Teruel | 771.7 | | -0.6 | N | 0 | nub. | | | 1 | -4 | 772.2 | -1.4 | N | 1 | go |
| | Castellón | 766.2 | 0.0 | 8.0 | W | 1 | d. | M uña | | 16 | -5 | 762.7 | 11.0 | NNW | 5 | go |
| | Valencia | 770.4 | 7.6 | W | 1 | d. | | | | 10 | 5 | 774.6 | 8.6 | NNW | 2 | go |
| Región del SE IX | Albacete | 775.1 | -0.6 | -1.2 | W | 2 | c. d. | | | 5 | -2 | 772.4 | 3.5 | N | 3 | go |
| | Alicante | 769.6 | +0.2 | 6.9 | NNW | 1 | d. | | | 12 | 4 | 768.6 | 11.0 | NNW | 5 | agu. |
| | Murcia | 771.6 | 6.2 | NE | 4 | c. d. | | | | 12 | 1 | 770.1 | 10.0 | NNW | 4 | c. d. |
| Cuenca del Guadalq. X del SE IX | Sevilla | 774.2 | | 4.6 | NNW | 3 | nub. | | | 12 | 2 | 772.4 | 12.4 | N | 5 | go |
| | Córdoba | 775.0 | 1.8 | NE | 0 | d. | | | | 14 | 0 | 772.0 | 13.2 | N | 0 | go |
| | Jaén | 772.0 | 2.0 | N | 5 | d. | | | | 9 | 0 | 771.3 | 6.0 | N | X | nub. |
| | Granada | | | | | | | | | | | | | | | |
| Costa del Sur XI | Huelva | 773.7 | | 5.8 | N | 2 | d. | Ria | | 15 | -2 | 771.9 | 14.3 | N | 2 | go |
| | San Fernando | 772.4 | +0.3 | 5.1 | NE | 8 | nub. | Ria | | 14 | 4 | 772.8 | 10.0 | NNW | 3 | go |
| | Tarifa | 770.4 | -0.2 | 10.8 | S | 2 | nub. | | | 15 | 9 | 769.8 | 14.6 | N | 1 | go |
| | Málaga | 772.1 | -0.2 | 6.9 | SW | 2 | d. | | | 15 | 5 | 771.7 | 14.1 | NNW | 5 | go |
| | Almería | 770.8 | | 10.3 | N | 4 | d. | M uña | | 17 | 10 | 769.0 | 15.6 | N | 5 | nub. |
| Cana-Baleras Rias XII | Palma | 767 | | | | | | | | | | | | | | |