

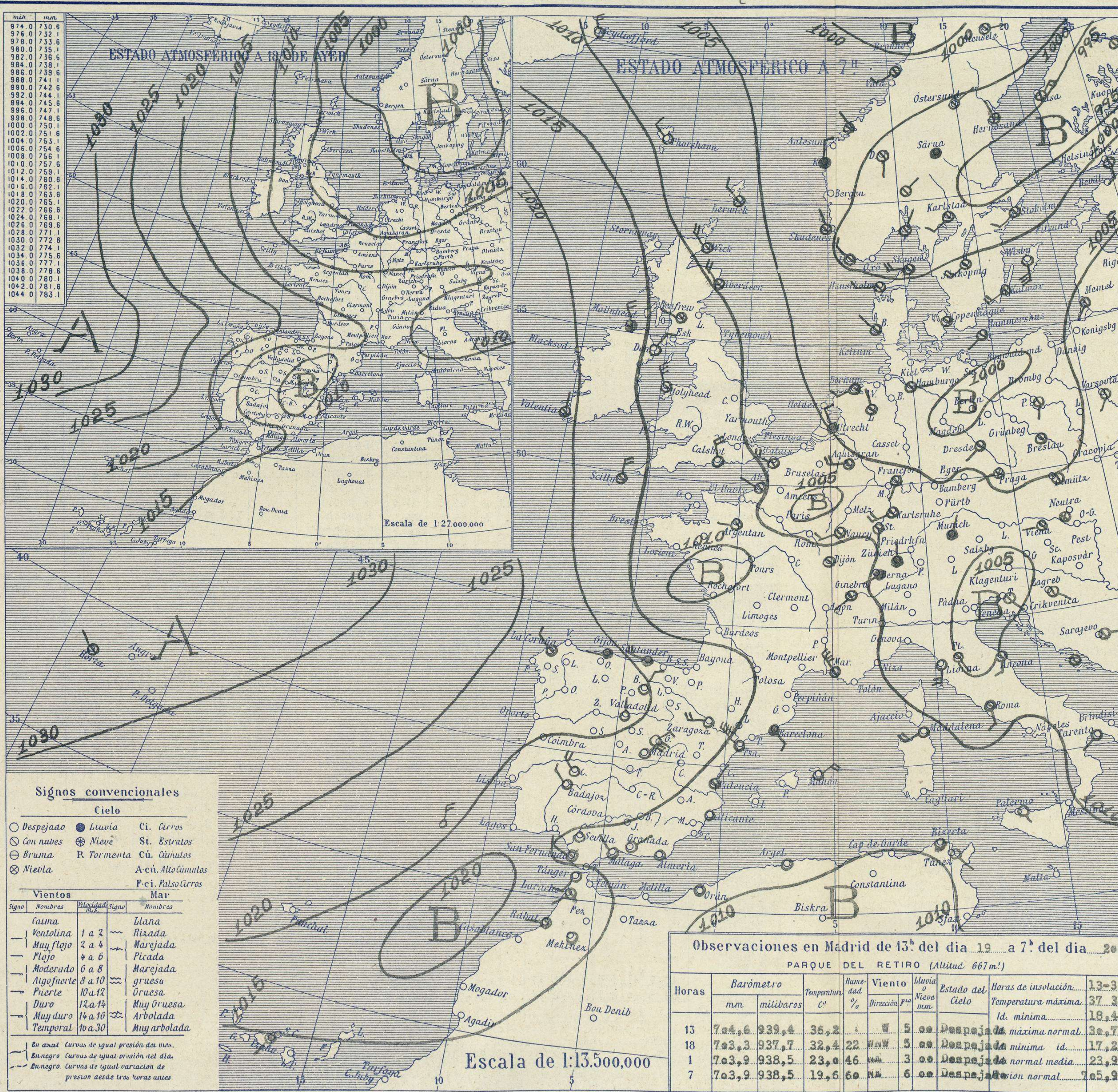


# SERVICIO METEOROLÓGICO ESPAÑOL.

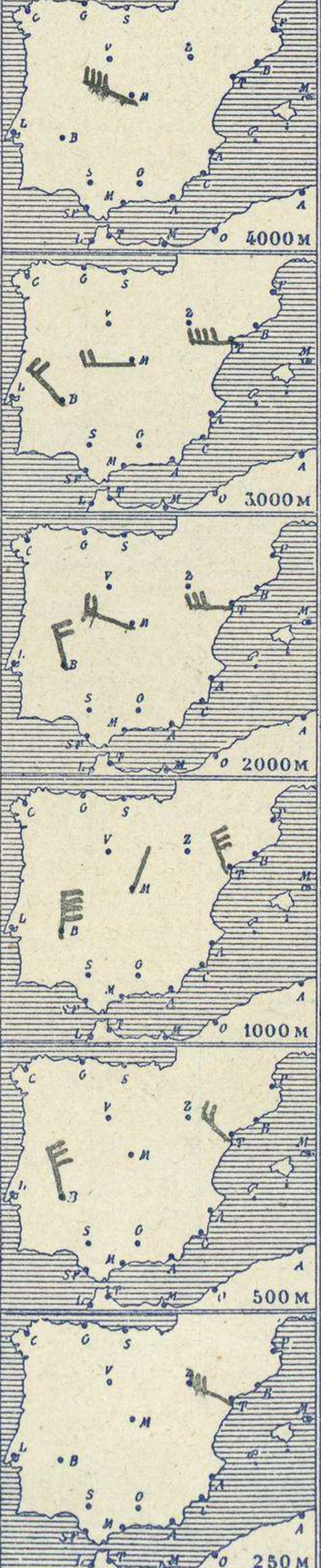
## Boletín del Lunes 20 de Julio de 1931

AÑO XXXIX

Núm. 261



### Observaciones aerológicas



### Estado General

Desde la península escandinava a Italia, en una zona situada de norte a sur, aparecen hoy varios núcleos de perturbación atmosférica todos ellos caracterizados por su importancia pero producen sobre el occidente de Europa, vientos moderados del 4º cuadrante y algunos aguaceros. Las presiones altas residen sobre el Atlántico desde las costas europeas a las orientales del continente americano.

### Tiempo probable

- EN LAS REGIONES.
- I vientos flojos de dirección variable y buen tiempo.
  - II
  - III
  - IV
  - V
  - VI
  - VII
  - VIII
  - IX
  - X
  - XI
  - XII

### Temperaturas extrema y Lluvia

| Estaciones     | Temperaturas |        | Lluvia |
|----------------|--------------|--------|--------|
|                | Máx.         | Mínim. |        |
| La Coruña      | 21           | 10     | ip     |
| Santiago       | 24           |        |        |
| Pontevedra     |              |        |        |
| Lugo           |              |        |        |
| Orense         | 28           | 18     |        |
| Gijón          | 21           | 14     | 04     |
| Oviedo         | 23           | 12     | 05     |
| Santander      | 21           | 10     | 03     |
| Bilbao         |              |        |        |
| San Sebastián  | 23           | 15     | 7      |
| León           | 27           | 11     |        |
| Zamora         |              |        |        |
| Palencia       | 32           | 11     |        |
| Burgos         | 28           | 10     |        |
| Soria          | 33           | 10     |        |
| Valladolid     |              |        |        |
| Salamanca      | 32           | 11     |        |
| Ávila          | 29           | 11     |        |
| Segovia        |              |        |        |
| Madrid         | 37           | 18     |        |
| Toledo         | 33           | 20     |        |
| Guadalajara    | 35           | 17     |        |
| Cuenca         | 34           | 16     |        |
| Ciudad-Real    | 36           | 20     |        |
| Albacete       |              |        |        |
| Cáceres        | 38           | 19     |        |
| Badajoz        | 36           | 17     |        |
| Vitoria        | 23           | 11     | 2      |
| Logroño        |              |        |        |
| Pamplona       | 28           | 11     | 1      |
| Huesca         |              |        |        |
| Zaragoza       | 32           | 16     |        |
| Lérida         |              |        |        |
| Gerona         | 29           |        |        |
| Barcelona      | 28           | 22     | ip     |
| Tarragona      | 25           |        |        |
| Tortosa        |              |        |        |
| Teruel         | 35           | 11     |        |
| Castellón      | 28           | 22     |        |
| Valencia       | 32           | 22     |        |
| Alicante       | 30           | 19     |        |
| Murcia         | 36           | 22     |        |
| Sevilla        |              |        |        |
| Córdoba        |              |        |        |
| Jaén           | 38           | 23     |        |
| Baeza          |              |        |        |
| Granada        | 37           | 12     |        |
| Huelva         | 30           | 19     |        |
| San Fernando   | 29           | 19     |        |
| Tarifa         | 27           | 20     |        |
| Algeciras      | 36           | 21     |        |
| Málaga         |              |        |        |
| Almería        | 27           | 19     |        |
| Palma          |              |        |        |
| Ibiza          |              |        |        |
| Mahón          | 30           | 12     |        |
| Las Palmas     |              |        |        |
| Stº Cruz de T. | 31           | 23     | 1      |
| Laguna         |              |        |        |
| Izaña          |              |        | 27     |
| Tetuán         |              |        |        |
| Melilla        |              |        |        |
| Tánger         |              |        | 19     |

### Observaciones en Madrid de 13.<sup>h</sup> del día 19 a 7.<sup>h</sup> del día 20

PARQUE DEL RETIRO (Altitud 667 m.)

| Horas | Barómetro |           | Temperatura | Humedad % | Viento | Lluvia o Nieve mm | Estado del Cielo | Horas de insolación |       |
|-------|-----------|-----------|-------------|-----------|--------|-------------------|------------------|---------------------|-------|
|       | mm        | milibares |             |           |        |                   |                  | 13-35               | 37-3  |
| 13    | 704,6     | 939,4     | 36,2        |           | W 5    | 0,0               | Despejado        | Id. máxima normal.  | 30,7  |
| 18    | 703,3     | 937,7     | 32,4        | 22        | WNW 5  | 0,0               | Despejado        | Id. mínima id.      | 17,2  |
| 1     | 703,9     | 938,5     | 23,0        | 46        | WNW 3  | 0,0               | Despejado        | Id. normal media.   | 23,9  |
| 7     | 703,9     | 938,5     | 19,6        | 60        | WNW 6  | 0,0               | Despejado        | Id. normal.         | 705,9 |

#### Signos convencionales

**Cielo**

- Despejado
- Lluvia
- con nubes
- Bruma
- Niebla
- Ci. Cirros
- St. Estratos
- Cú. Cúmulos
- A-cú. Alto Cúmulos
- F-ci. Pseudo Cirros

**Vientos**

| Signo | Nombres     | Relatividad | Signo | Nombres         |
|-------|-------------|-------------|-------|-----------------|
| —     | Calma       | 1 a 2       | —     | Ulana           |
| —     | Ventolina   | 2 a 4       | —     | Rizada          |
| —     | Muy flojo   | 4 a 6       | —     | Marejada        |
| —     | Flojo       | 6 a 8       | —     | Picada          |
| —     | Moderado    | 8 a 10      | —     | Marejada gruesa |
| —     | Algo fuerte | 10 a 12     | —     | Gruesa          |
| —     | Fuerte      | 12 a 14     | —     | Muy gruesa      |
| —     | Duro        | 14 a 16     | —     | Arbolada        |
| —     | Muy duro    | 16 a 20     | —     | Muy arbolada    |
| —     | Temporal    |             |       |                 |

En azar Curvas de igual presión del día.  
En negro Curvas de igual presión del día.  
En negro Curvas de igual variación de presión desde tres horas antes.

Escala de 1:13.500,000

# OBSERVACIONES DE ESPAÑA

| ESTACIONES                      | PRESIÓN MILIBARES              |             |           | VIENTO | TEMPE RATURA | TIEMPO | NUBES | MAR                | DIRECCIÓN Y FUERZA DEL VIENTO Á |         |                                |        |     |     |      |      |
|---------------------------------|--------------------------------|-------------|-----------|--------|--------------|--------|-------|--------------------|---------------------------------|---------|--------------------------------|--------|-----|-----|------|------|
|                                 | á O°                           | N. M. G. N. | VARIACIÓN |        |              |        |       |                    | C.                              | D. y F. | PRESENTE                       | PASADO | 250 | 500 | 1000 | 2000 |
|                                 | OBSERVACIONES Á 7 <sup>h</sup> |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| La Coruña                       | 23.8                           | 0.0         | 3         | NW-3   | 16           | 85     | N N   | St-cu cu           | 3                               | 6       | OBSERVACIONES Á 7 <sup>h</sup> |        |     |     |      |      |
| Gijón                           | 23.7                           | 0.4         | 3         | W-2    | 15           | 85     | A A   | St-cu nb           | 2                               | 6       |                                |        |     |     |      |      |
| Santander                       | 21.1                           | 0.6         | 4         | WNW-5  | 17           | 65     | A A   | cu-nb A-st         | 5                               | 5       |                                |        |     |     |      |      |
| Valladolid                      | 19.4                           | 0.8         | 1         | N-1    | 14           | 65     | D D   | cu                 | 7                               | 7       |                                |        |     |     |      |      |
| Zaragoza                        | 16.7                           | 1.0         | 4         | W-5    | 17           | 85     | D N   | cu                 | 7                               | 7       |                                |        |     |     |      |      |
| Barcelona                       | 12.6                           | 0.0         | 5         | SE-3   | 22           | 85     | 11 13 | Nb A-st            | 7                               | 7       |                                |        |     |     |      |      |
| Tortosa                         | 13.3                           | 1.2         | 4         | NW-7   | 22           | 45     | D D   |                    | 7                               | 7       |                                |        |     |     |      |      |
| Mahón                           | 11.7                           | 0.0         | 3         | NW-5   | 23           | 85     | D D   | St-cu A-cu         | 8                               | 8       |                                |        |     |     |      |      |
| Madrid                          | 13.4                           | 1.2         | 3         | NW-6   | 20           | 65     | D D   |                    | 8                               | 8       |                                |        |     |     |      |      |
| Badajóz                         | 17.1                           | 0.4         | 4         | NW-3   | 18           | 65     | D D   |                    | 8                               | 8       |                                |        |     |     |      |      |
| Alicante                        | 10.6                           | 0.4         | 4         | Cal-o  | 24           | 85     | D D   |                    | 1                               | 7       |                                |        |     |     |      |      |
| Granada                         | 14.6                           | 0.2         | 9         | NW-2   | 22           | 45     | D D   |                    | 7                               | 7       |                                |        |     |     |      |      |
| Sevilla                         |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| Almería                         | 11.0                           | 1.2         | 6         | Cal-o  | 22           | 95     | D NB  |                    | 1                               | 5       |                                |        |     |     |      |      |
| Málaga                          | 18.2                           | 0.0         | 3         | NW-1   | 29           | 45     | D D   |                    | 2                               | 6       |                                |        |     |     |      |      |
| S. Fernando                     | 13.3                           |             |           | NNW-2  | 24           | 65     | A D   |                    |                                 | 6       |                                |        |     |     |      |      |
| Melilla                         |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| Tetuán                          |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| S. C. de Tenerife               | 17.8                           | 0.2         | 9         | SSW-1  | 27           | 25     | N D   | cu                 | 2                               | 8       |                                |        |     |     |      |      |
| Izaña                           |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| OBSERVACIONES Á 18 <sup>h</sup> |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| La Coruña                       | 22.5                           | 0.0         | 3         | NW-4   | 18           | 74     | N N   | de ayer. Cu, St-cu | 3                               | 7       | OBSERVACIONES Á                |        |     |     |      |      |
| Gijón                           | 22.0                           | 0.0         | 3         | NW-3   | 18           | 65     | N A   | St-cu nb           | 3                               | 6       |                                |        |     |     |      |      |
| Santander                       | 21.4                           | 0.0         | 3         | NW-4   | 17           | 84     | N LL  | cu, St-cu          | 3                               | 6       |                                |        |     |     |      |      |
| Valladolid                      |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| Zaragoza                        | 11.3                           | 0.6         | 6         | W-4    | 29           | 64     | D D   |                    | 7                               | 7       |                                |        |     |     |      |      |
| Barcelona                       | 13.4                           | 1.2         | 6         | NNW-3  | 26           | 74     | D D   | cu                 | 8                               | 8       |                                |        |     |     |      |      |
| Tortosa                         |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| Mahón                           | 13.9                           | 1.4         | 8         | WNW-4  | 26           | 64     | D D   |                    | 3                               | 8       |                                |        |     |     |      |      |
| Madrid                          | 09.3                           | 1.2         | 6         | WNW-5  | 32           | 24     | D D   |                    | 8                               | 8       |                                |        |     |     |      |      |
| Badajóz                         | 13.8                           | 1.2         | 6         | NW-6   | 34           | 25     | D D   |                    | 7                               | 7       |                                |        |     |     |      |      |
| Alicante                        | 12.6                           | 1.6         | 6         | S-1    | 27           | 65     | D D   | A-cu               | 1                               | 8       |                                |        |     |     |      |      |
| Granada                         | 12.1                           | 0.8         | 7         | W-1    | 35           | 24     | D D   |                    | 7                               | 7       |                                |        |     |     |      |      |
| Sevilla                         |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| Almería                         | 12.2                           | 2.6         | 8         | SSW-5  | 26           | 74     | D D   | St-cu              | 3                               | 7       |                                |        |     |     |      |      |
| Málaga                          | 14.9                           | 1.6         | 8         | SE-1   | 24           | 74     | D D   |                    | 2                               | 6       |                                |        |     |     |      |      |
| S. Fernando                     | 16.6                           | 0.8         | 8         | WSW-3  | 26           | 64     | D D   |                    | 2                               | 7       |                                |        |     |     |      |      |
| Melilla                         |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| Tetuán                          |                                |             |           |        |              |        |       |                    |                                 |         |                                |        |     |     |      |      |
| S. C. de Tenerife               | 16.6                           | 1.0         | 6         | ENE-1  | 28           | 55     | D D   |                    | 7                               | 7       |                                |        |     |     |      |      |
| Izaña                           | 712.5                          | 0.2         | 9         | SE-3   | 23           | 15     | D N   | A-cu               | 7                               | 7       |                                |        |     |     |      |      |

| ESTACIONES    | PRESIÓN MILIBARES              |             |           | VIENTO | TEMPE RATURA | TIEMPO | PRESIÓN MILIBARES | VIENTO | ESTACIONES | PRESIÓN MILIBARES |         |    | VIENTO | TEMPE RATURA | TIEMPO | PRESIÓN MILIBARES | VIENTO |          |        |      |             |           |
|---------------|--------------------------------|-------------|-----------|--------|--------------|--------|-------------------|--------|------------|-------------------|---------|----|--------|--------------|--------|-------------------|--------|----------|--------|------|-------------|-----------|
|               | á O°                           | N. M. G. N. | VARIACIÓN |        |              |        |                   |        |            | C.                | D. y F. | C. |        |              |        |                   |        | PRESENTE | PASADO | á O° | N. M. G. N. | VARIACIÓN |
|               | OBSERVACIONES Á 8 <sup>h</sup> |             |           |        |              |        |                   |        |            |                   |         |    |        |              |        |                   |        |          |        |      |             |           |
| Vares         |                                |             |           |        |              |        |                   |        | Cáceres    |                   |         |    |        |              |        |                   | 11.8   | SW-3     |        |      |             |           |
| Finisterre    |                                |             |           |        |              |        |                   |        | Vitoria    | 21.5              | 0.0     | 3  | NW-2   | 13           | N      | 11                | 19.5   | NNE-2    |        |      |             |           |
| Santiago      |                                |             |           |        |              |        |                   |        | Logroño    | 19.9              |         |    | NW-2   | 19           | N      | N                 | 15.5   | N-5      |        |      |             |           |
| Pontevedra    |                                |             |           |        |              |        |                   |        | Pamplona   | 20.7              | 3.8     | 1  | NW-6   | 13           | N      | 11                | 16.9   | NW-3     |        |      |             |           |
| Lugo          |                                |             |           |        |              |        |                   |        | Huesca     | 15.3              | 0.0     | 3  | W-3    | 21           | D      | D                 |        |          |        |      |             |           |
| Orense        | 24.2                           |             |           | Cal-o  | 18           | D N    | ?                 | ?      | Lérida     |                   |         |    |        |              |        |                   |        |          |        |      |             |           |
| Oviedo        | 23.9                           | 0.0         | 0         | SW-2   | 14           | NB LL  | 22.6              | SW-2   | Gerona     |                   |         |    |        |              |        |                   | 13.4   | NW-2     |        |      |             |           |
| Bilbao        |                                |             |           |        |              |        |                   |        | Tarragona  |                   |         |    |        |              |        |                   | 12.9   | SSW-2    |        |      |             |           |
| San Sebastián | 20.7                           | 0.8         | 4         | NNW-5  | 28           | N LL   | 20.3              | NW-2   | Teruel     | 16.5              | 5.4     | 1  | W-1    | 16           | N      | N                 | 08.5   | W-2      |        |      |             |           |
| León          | 22.2                           | ?           |           | W-4    | ?            | D N    | 16.5              | NW-5   | Castellón  | 12.7              | 1.4     | 6  | N-2    | 24           | N      | D                 | 13.8   | E-1      |        |      |             |           |
| Zamora        | 19.3                           | 2.4         | 4         | N-1    | ?            | D D    | 11.7              | W-4    | Valencia   |                   |         |    |        |              |        |                   | 12.3   | ENE-2    |        |      |             |           |
| Palencia      | 19.7                           | 1.2         | 4         | NW-2   | 15           | N D    | 10.2              | NW-2   | Murcia     | 10.1              |         |    | NW-3   | 28           | D      | D                 | 10.7   | SW-2     |        |      |             |           |
| Burgos        |                                |             |           |        |              |        |                   |        | Córdoba    | 13.1              | 0.0     | 3  | SW-1   | 25           | 11     | D                 |        |          |        |      |             |           |
| Soria         | 17.1                           | 0.0         | 3         | N-3    | 15           | N N    | 09.9              | Cal-o  | Jaén       | 16.6              |         |    | S-1    | 26           | NB     | N                 | 14.2   | NW-2     |        |      |             |           |
| Salamanca     | 19.0                           | 1.0         | 3         | NW-1   | 15           | D D    | 13.3              | NW-1   | Baeza      |                   |         |    |        |              |        |                   | 15.0   | N-3      |        |      |             |           |
| Avila         | 18.3                           | ?           |           | NNW-4  | 13           | D N    | 10.3              | NW-2   | Huelva     | 15.9              |         |    | NW-1   | 23           | D      | D                 | 14.7   | SW-1     |        |      |             |           |
| Segovia       | 17.7                           | 0.0         | 0         | N-2    | 16           | D D    |                   |        | Tarifa     | 18.5              | 0.4     | 6  | W-4    | 20           | N      | N                 |        |          |        |      |             |           |
| Toledo        | 13.9                           | 0.4         | 1         | NW-4   | 24           | D D    | 09.1              | NW-4   | Algeciras  | 13.1              | 1.2     | 1  | NW-1   | 27           | D      | D                 |        |          |        |      |             |           |
| Guadalajara   |                                |             |           |        |              |        |                   |        | Tánger     |                   |         |    |        |              |        |                   |        |          |        |      |             |           |
| Cuenca        | 09.4                           | 0.0         | 0         | Cal-o  | 20           | D D    | 07.0              | Cal-o  | Palma      |                   |         |    |        |              |        |                   | 13.8   | SW-1     |        |      |             |           |
| Ciudad Real   | 12.3                           | 0.6         | 1         | SW-1   | 26           | D D    | 12.3              | SW-4   | Las Palmas |                   |         |    |        |              |        |                   |        |          |        |      |             |           |
| Albacete      | 11.3                           | 0.4         | 0         | NNW-1  | 25           | D D    | 08.7              | W-2    | Laguna     |                   |         |    |        |              |        |                   |        |          |        |      |             |           |

**NOTICIAS**

Expresado en medias horas antes observación.  
 D Despejado ó semidespejado - N Nuboso ó cubierto - NB Niebla ó bruma - A Aguaceros - L Lloviznas - LL Lluvias - G Granizo (sin truenos) - An Aguanieve - nv Nieve - T Tormenta.  
 D Despejado ó semidespejado - N Nuboso - NC Cubierto constantemente - NB Niebla ó bruma - A Aguaceros - L Lloviznas - nv Nieve ó aguanieve - G Granizo (sin truenos) - T Tormenta.  
 .... Sobre el nivel del mar.