



MINISTERIO DEL AIRE

Boletín diario del Servicio Meteorológico Nacional

AÑO XVIII
2.ª EPOCA

MADRID, SABADO 13 DE DICIEMBRE DE 1969

Núm. 347.

CENTRO DE ANALISIS Y PREDICCIÓN (Ciudad Universitaria) - APARTADO 285 - MADRID. - Teléf. 2 44 35 00

| ESTACIONES | TEMPERATURA | | PRECIPITACION | | Horas de sol | ESTACIONES | TEMPERATURA | | PRECIPITACION | | Horas de sol | ESTACIONES | TEMPERATURA | | PRECIPITACION | | Horas de sol | TEMPERATURAS EXTREMAS (De las capitales Peninsulares) |
|------------------|-------------|------|---------------|-----|--------------|------------------|-------------|------|---------------|-----|--------------|------------------------|-------------|------|---------------|-----|--------------|--|
| | Máx. | Min. | Noche | Día | | | Máx. | Min. | Noche | Día | | | Máx. | Min. | Noche | Día | | |
| La Coruña | 10 | 2 | | | 7.8 | Navacerrada (*) | 0 | -4 | | | 8.1 | Castellón | 14 | | | | | MAXIMA: 17° en Almería. MINIMA: 8° bajo cero en Cuenca y Soria. |
| Monteventoso | 11 | 4 | | | | Madrid/Barajas | 6 | -6 | | | 5.6 | Valencia (A) | 13 | 0 | | | 2.2 | |
| Bares | | | | | | Madrid | 6 | -2 | | | 7.2 | Valencia | 13 | 4 | | | 0.8 | |
| Lugo (P.Centro) | 1 | -3 | | | 0.0 | Madrid/C.Vientos | 6 | -4 | | | 6.3 | Alicante (A) | 15 | 5 | | | 4.4 | |
| Finisterre | | | | | | Getafe | 7 | -4 | | | 5.8 | Alicante | 16 | | | | | |
| Santiago (A) | 9 | -2 | | | 6.0 | Guadalajara | 5 | -3 | | | | Murcia/Alcant. | 15 | 1 | | | 4.3 | |
| Pontevedra | 13 | 3 | | | | Toledo | 6 | -3 | | | 5.7 | Murcia | 16 | 4 | | | 4.4 | |
| Vigo (A) | 10 | 0 | | | | Cuenca | 6 | -8 | | | 4.7 | Castillo Galeras | 14 | 7 | | | | |
| Vigo | 11 | 3 | | | 8.0 | Molina de Arag. | 5 | -9 | | | 6.8 | San Javier | 15 | 3 | | | 2.1 | |
| Orense | | | | | | Ciudad Real | 9 | | | | | | | | | | | |
| Ponferrada | -1 | -4 | | | 0.0 | Albacete (A) | 7 | -6 | | | 7.0 | | | | | | | |
| | | | | | | Cáceres | 8 | 1 | | | | | | | | | | OBSERVACIONES DE MADRID (Parque del Retiro) |
| | | | | | | Badajoz (A) | 10 | -1 | | | 3.5 | Sevilla (A) | 13 | 1 | | | 3.8 | |
| Asturias (A) | 10 | 4 | | | 3.3 | Vitoria (A) | 1 | -4 | | | | Córdoba (A) | 13 | 1 | | | 3.0 | |
| Gijón | 11 | 4 | | | 2.4 | Logroño | 6 | -4 | | | 5.4 | Jaén | 11 | 4 | | | 0.6 | |
| Santander (A) | 11 | 1 | | | | Logroño (A) | 6 | -2 | | | 5.3 | Granada (A) | 13 | 1 | | | 0.6 | |
| Santander | 9 | 3 | ip | | 6.3 | Pamplona | 0 | -4 | | | 7.3 | Huelva | 15 | 4 | | | X | |
| Punta Galea | | | | | | Huesca/Monfl. | 3 | -2 | | | 6.3 | Jerez de la F.ª (A) | 12 | 2 | | | | |
| Bilbao (A) | 9 | -1 | | | 0.7 | Candanchú (*) | -2 | -9 | | | | Cádiz | 13 | 7 | | | 4.8 | |
| S.Sebastián/Ig.ª | 6 | 2 | | | | Veruela | 2 | -6 | | | | San Fernando | 13 | 6 | | | 3.0 | |
| S.Sebastián(A) | 6 | 2 | | | 2.6 | Daroca | 5 | -6 | | | 2.8 | Tarifa | 16 | 9 | | | 4.0 | |
| León (A) | 6 | | | | | Zaragoza (A) | 6 | -3 | | | 5.6 | Málaga (A) | 15 | 5 | | | X | |
| Zamora | 4 | -4 | | | | Zaragoza | 6 | -3 | | | | Almería (A) | 17 | 6 | | | 2.0 | |
| Palencia | 1 | | | | | Calamocha | -2 | -8 | ip | | 5.6 | | | | | | | |
| Burgos (A) | X | -6 | | | 5.3 | Teruel | 0 | -5 | | | | Palma de M.ª (A) | 12 | 8 | | ip | 0.0 | |
| Burgos | 2 | -5 | | | 3.5 | | | | | | | Mahón (A) | 13 | 7 | 2 | ip | 2.0 | |
| Valladolid (A) | 2 | -5 | | | 6.8 | | | | | | | Ibiza (A) | 14 | 10 | 4 | ip | 0.0 | |
| Valladolid | 2 | -7 | | | 5.7 | | | | | | | S.ª C. de la Palma (A) | 16 | 13 | X | 23 | 1.3 | |
| Soria | 4 | -8 | | | 2.7 | Lérida | 4 | -5 | | ip | 2.8 | Izaña (*) | 0 | | | | 1 | |
| Salamanca (A) | 4 | -7 | | | 4.0 | Montseny (*) | 0 | | | ip | | S.ª C. de Tenerife (A) | 14 | | | | 7 | |
| Avila | 3 | -7 | | | 7.5 | Gerona (A) | 10 | 2 | | | | S.ª C. de Tenerife | 20 | X | | | 23 | |
| Segovia | 2 | -6 | | | 7.8 | Cabo Bagur | -2 | | | | | Las Palmas (A) | 20 | 16 | | | 7 | |
| | | | | | | La Molina (*) | -2 | | | | | Fuerteventura (A) | 20 | 15 | | | 5 | |
| | | | | | | Barcelona | 10 | 7 | ip | ip | 0.0 | Lanzarote (A) | 19 | 14 | | | 5.0 | |
| | | | | | | Barcelona (A) | 10 | 5 | ip | ip | 0.0 | Ceuta | 14 | | | | | |
| | | | | | | Reus (A) | 12 | 4 | | | 0.0 | Melilla | 17 | 9 | | | 0.6 | |
| | | | | | | Tarragona | 12 | 4 | | | 0.0 | V.Cisneros (A) | 22 | 16 | | | 10.0 | |
| | | | | | | Tortosa | 11 | 4 | | | 5.6 | | | | | | | |

TEMPERATURAS EXTREMAS
(De las capitales Peninsulares)

MAXIMA: 17° en Almería.

MINIMA: 8° bajo cero en Cuenca y Soria.

OBSERVACIONES DE MADRID
(Parque del Retiro)

TEMPERATURAS

Máx. 5,6 a 14,30 h.
Min. -1,8 a 7,30 h.
a 1 h. 0,8 a 13 h. 4,0
a 7 h. -1,6 a 18 h. 3,4

PRESIONES

Máx. 709,8 mm. a 18,00 hoy.
Min. 705,3 mm. a 18,00 ayer
a 1 h. 706,2 a 13 h. 708,5
a 7 h. 707,6 a 18 h. 709,8

VIENTO

Veloc. máx. 1 m/s. a 10,20 h.
Dirección: Noroeste.
Recorrido en 24 horas 99 km.

(*) Estaciones situadas a más de 1.600 metros sobre el nivel del mar.

NOTA.—Los datos de este Boletín comprenden las observaciones desde las 18 h. T. M. G. de ayer a las 18 h. T. M. G. del día de hoy

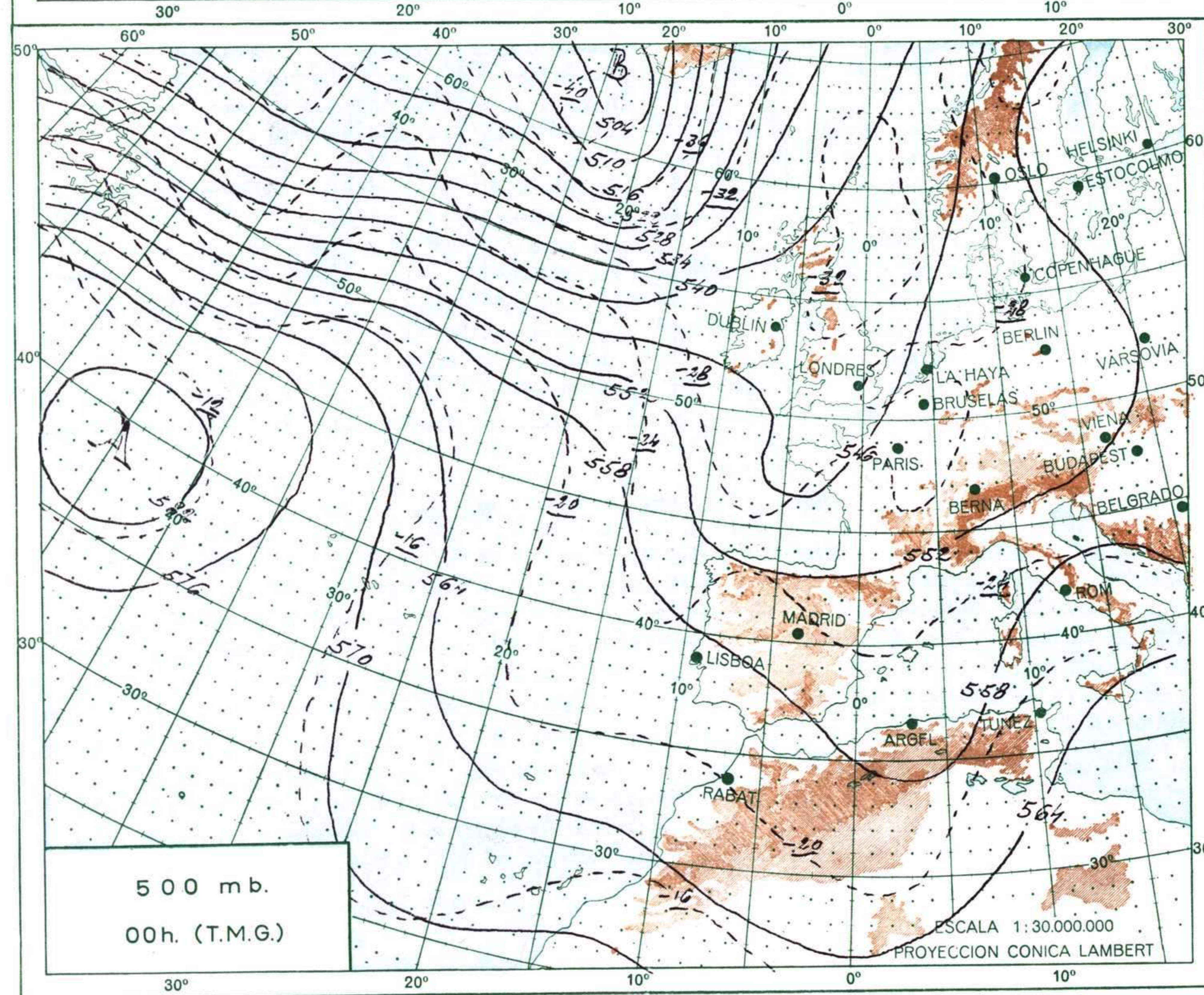
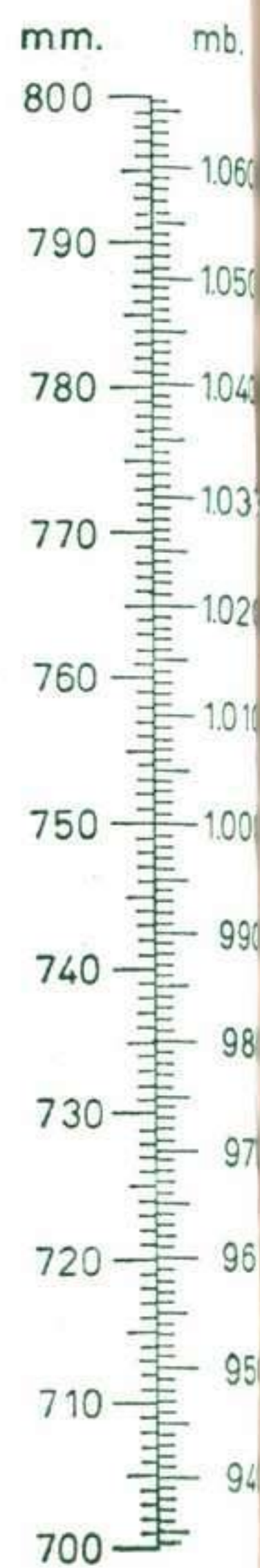
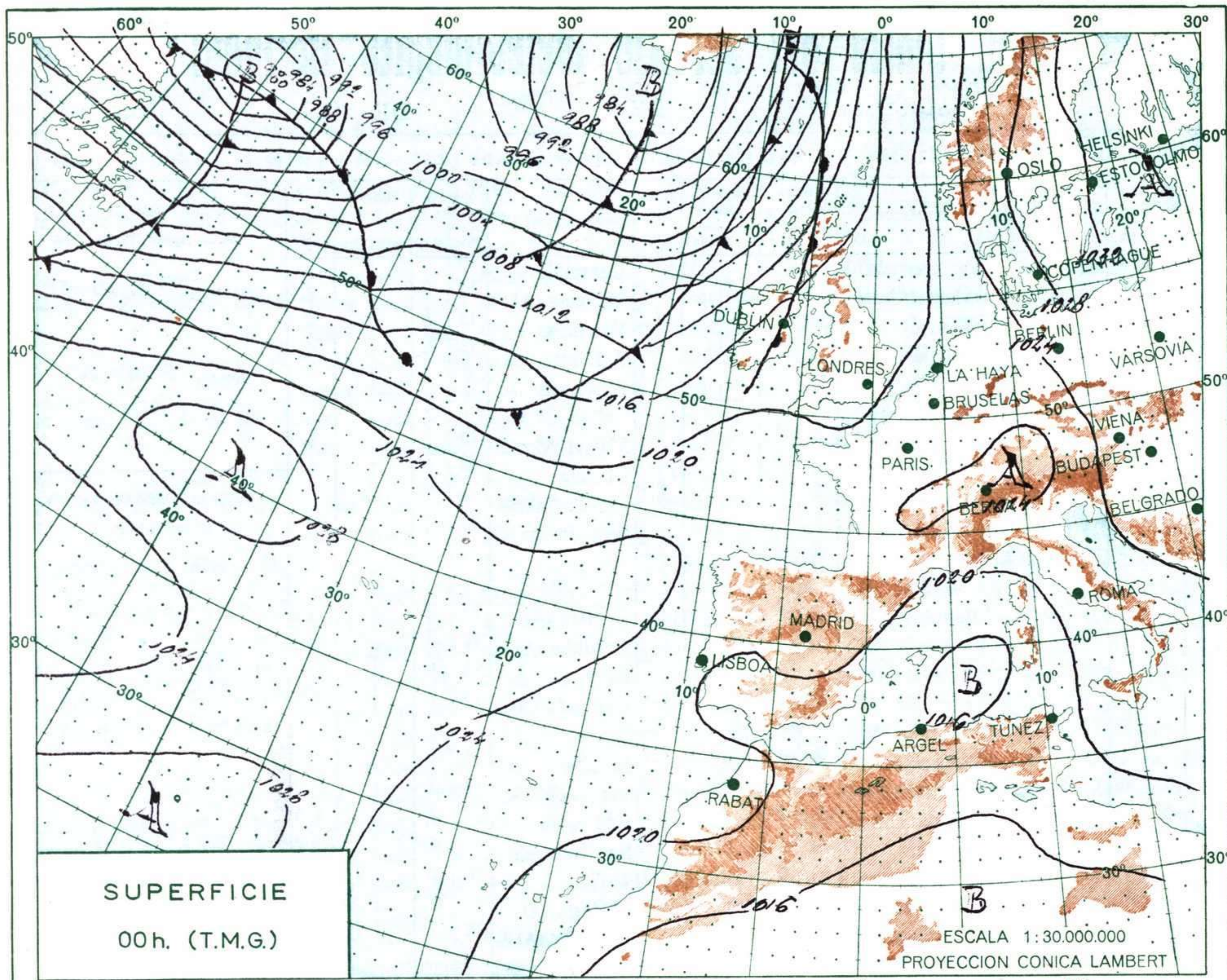
Las horas de sol corresponden al día de ayer.

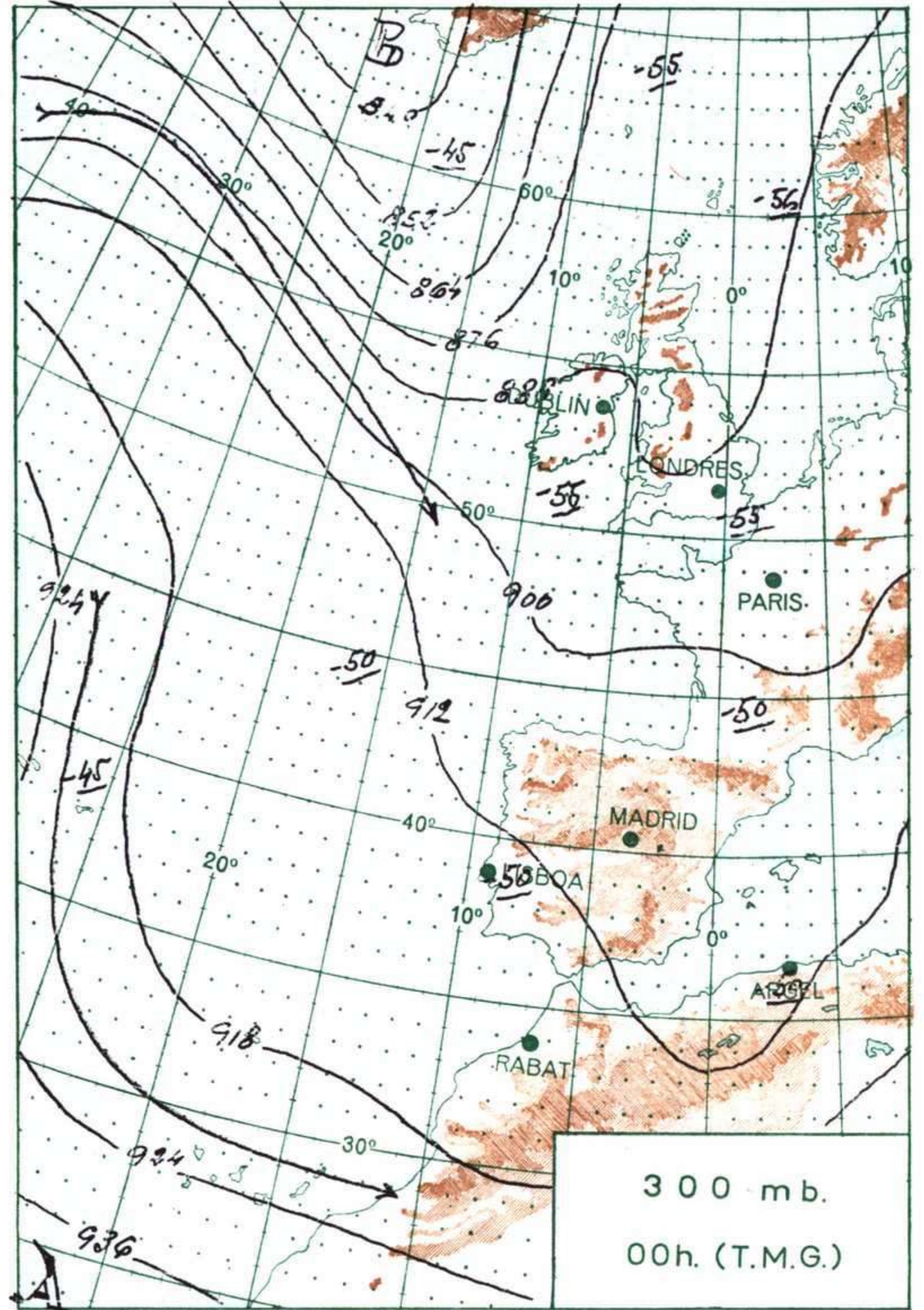
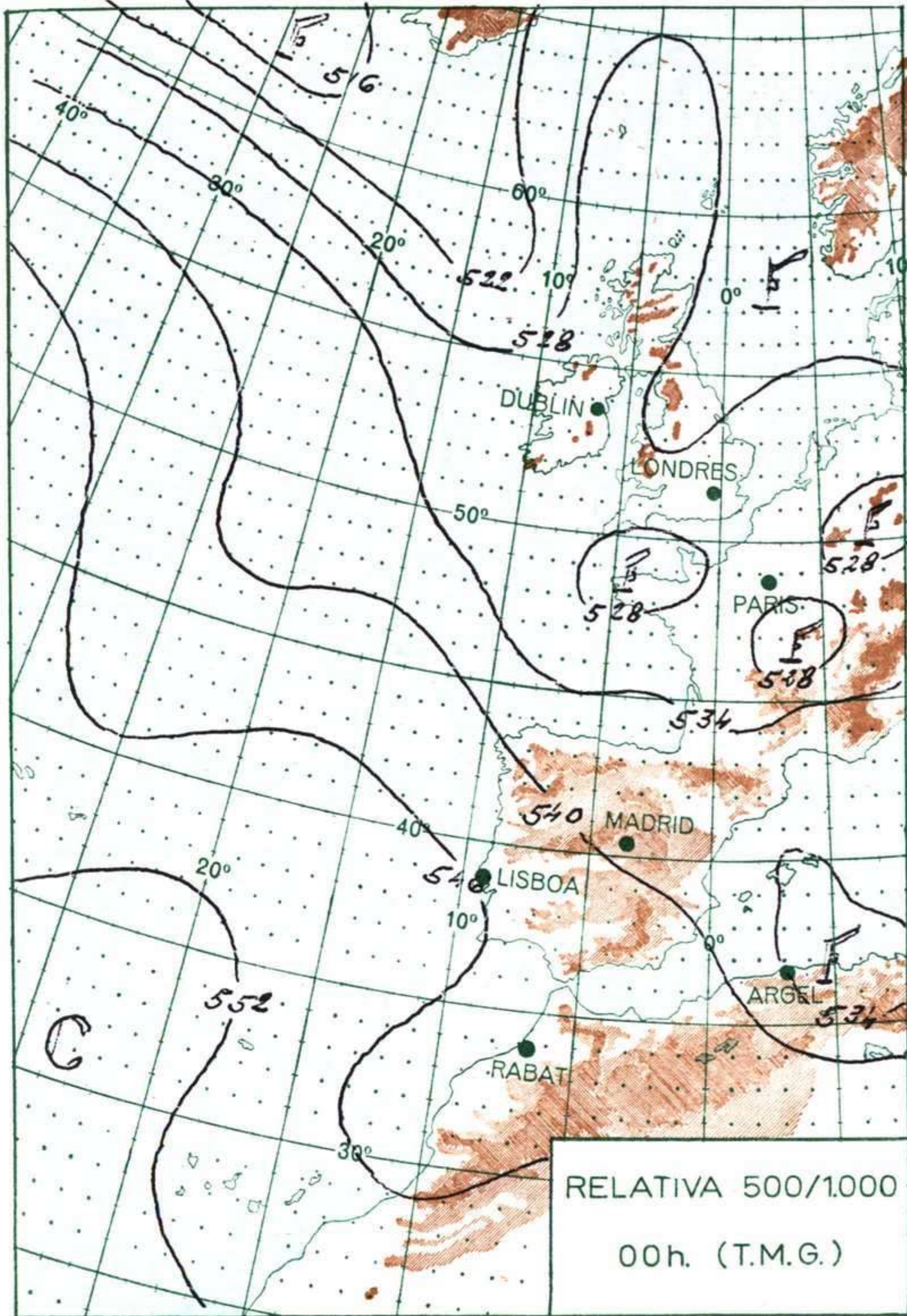
INFORMACION GENERAL DE LAS ULTIMAS 24 HORAS (DE 19 HORAS DE AYER A 19 HORAS DE HOY, HORA OFICIAL).

En la pasada noche se registraron precipitaciones en Baleares. En el resto de la Península el cielo estuvo despejado o casi despejado. En Canarias la nubosidad fué abundante. Durante el día ha llovido debilmente en Baleares y con intensidad variable en Canarias. Se han formado abundantes nieblas, algunas de ellas muy persistentes, en el interior de Galicia, ambas mesetas, cuenca del Ebro y valle del Guadalquivir. En el resto de España el cielo ha estado despejado o poco nuboso.

PREDICCIÓN PARA EL DOMINGO DIA 14.

Cielo nuboso con claros y algún chubasco débil ocasional en Baleares y Canarias. Nubosidad variable en Cantábrico oriental. Poco nuboso o despejado en el resto de España. Nieblas intensas en gran parte del día en Duero, Ebro, Guadalquivir, Extremadura, puntos de Galicia y Cantábrico. Neblinas en Centro y Levante. Sin cambios en las temperaturas. Continuarán las heladas fuertes en Duero, Ebro, Centro e interior de Galicia. Vientos moderados del norte en Baleares. Durante la mañana, habrá nubosidad variable con nubes medias en Duero y Centro.





ALTITUDES

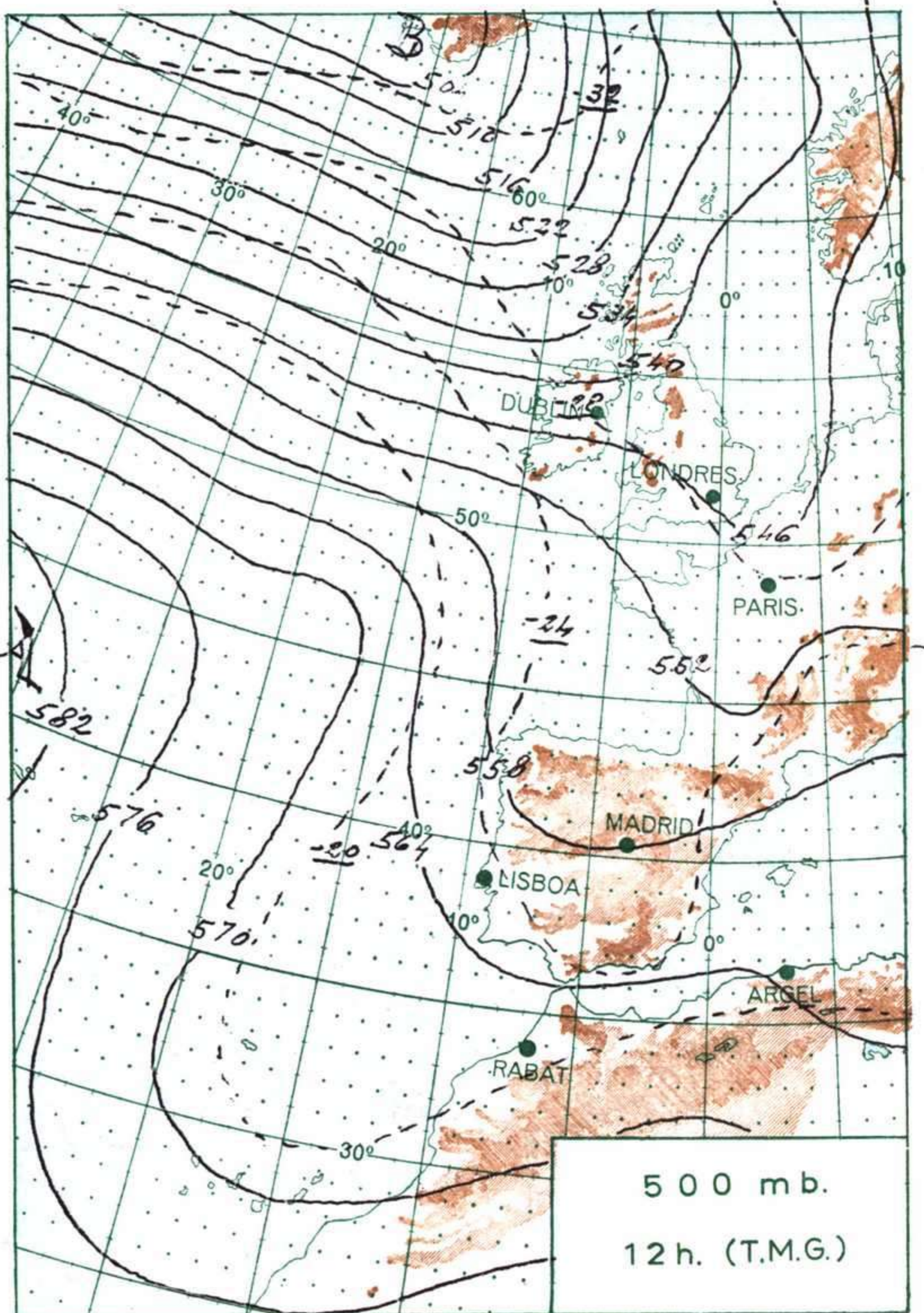
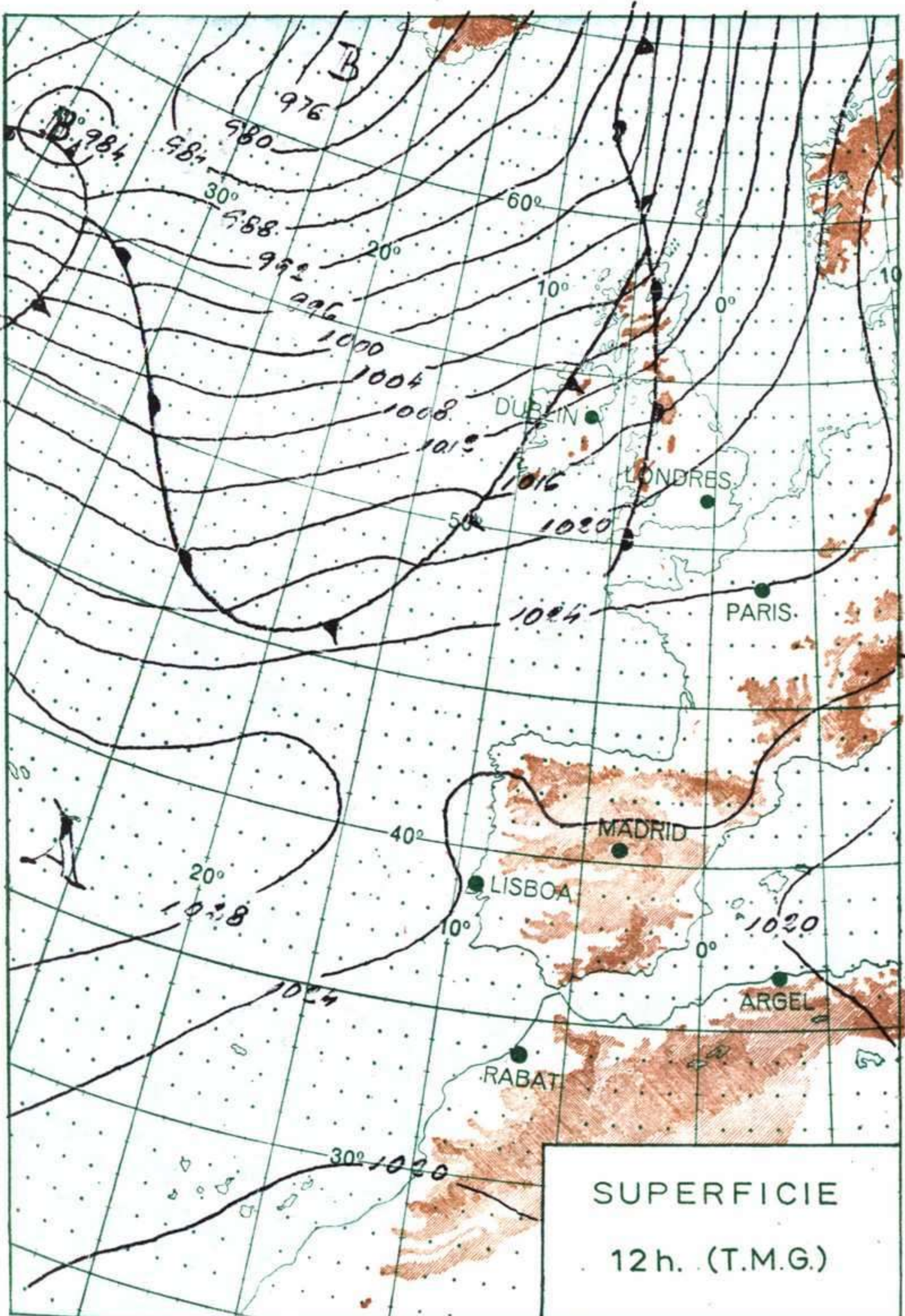
■ >2000
■ 2000

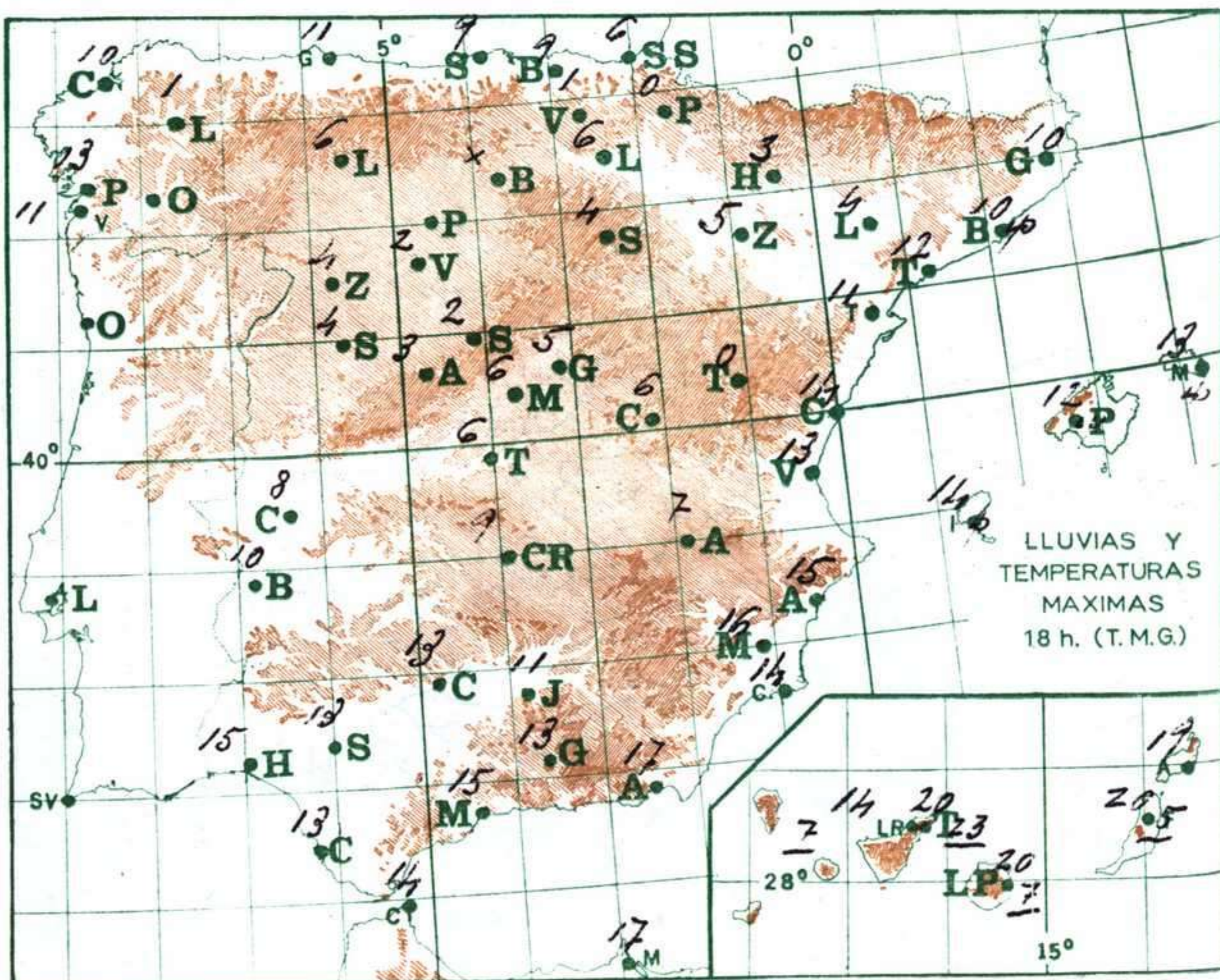
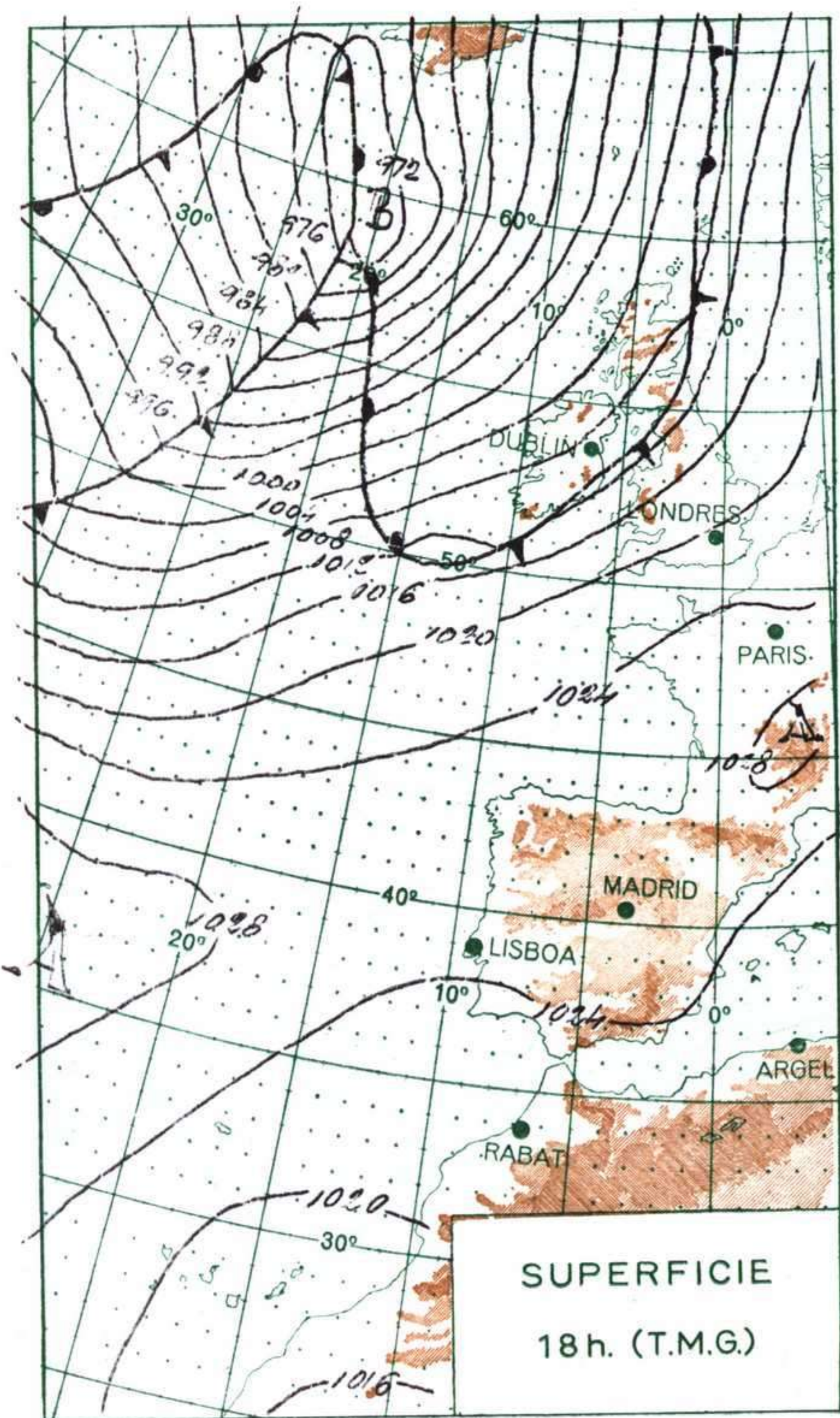
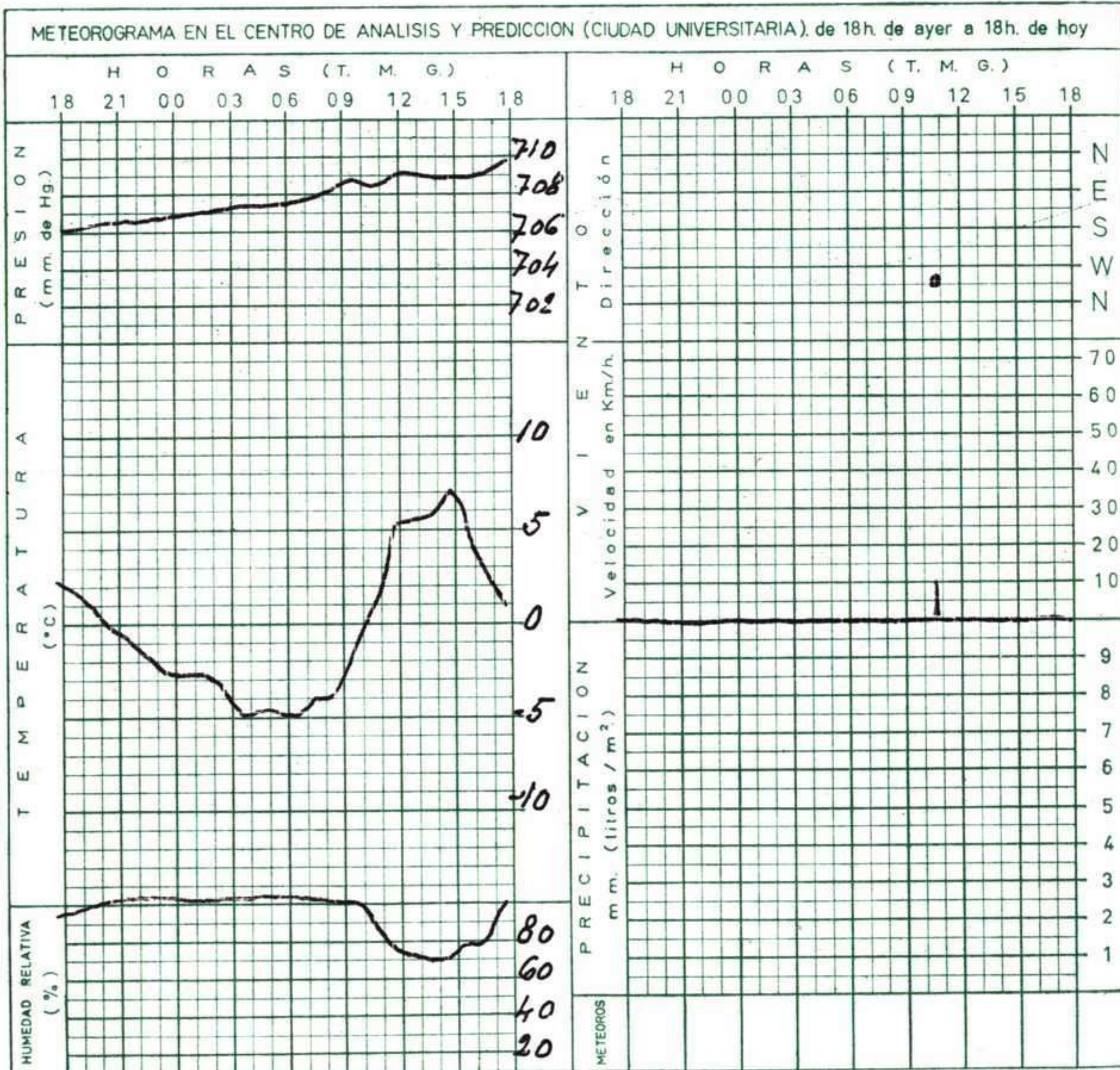
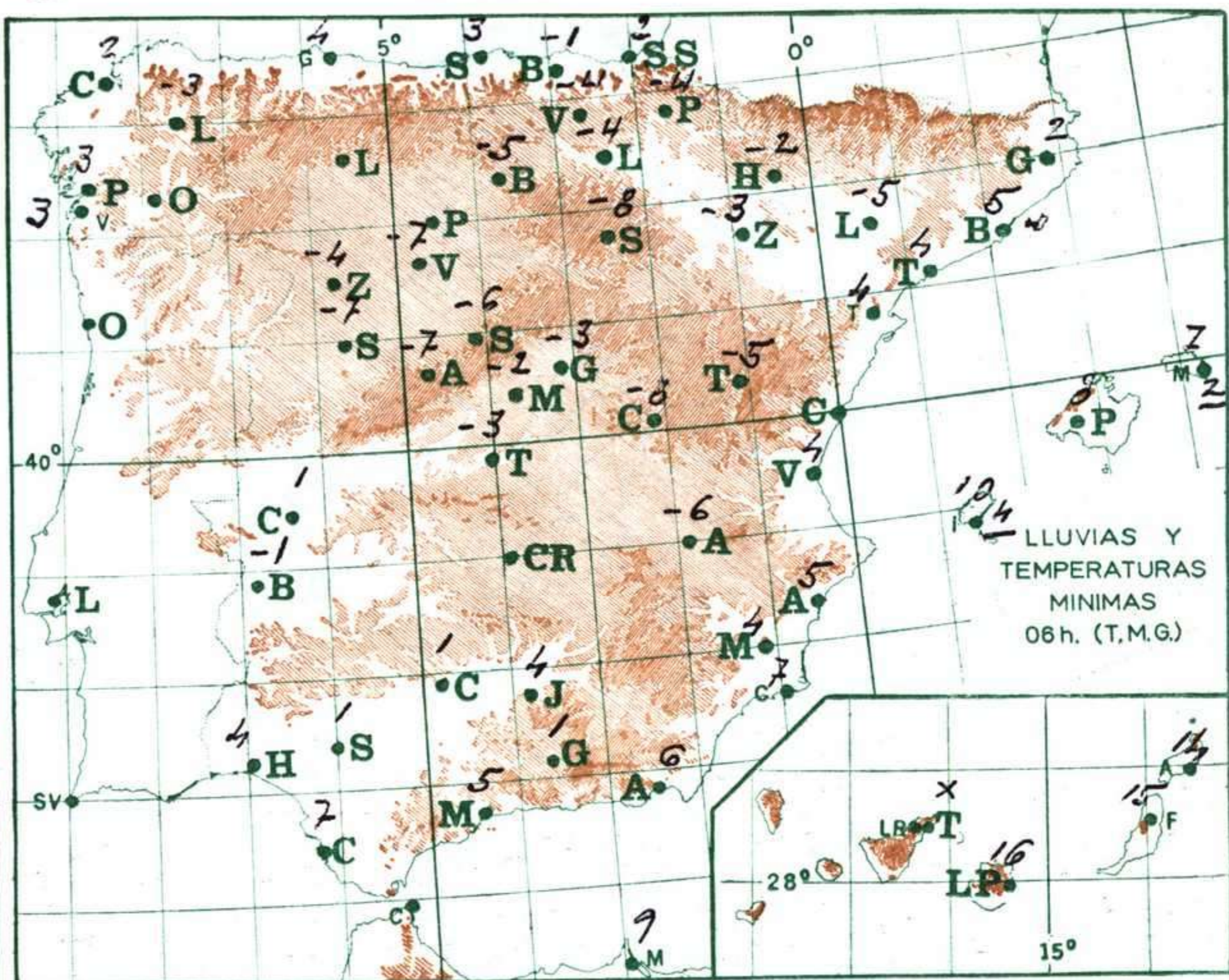
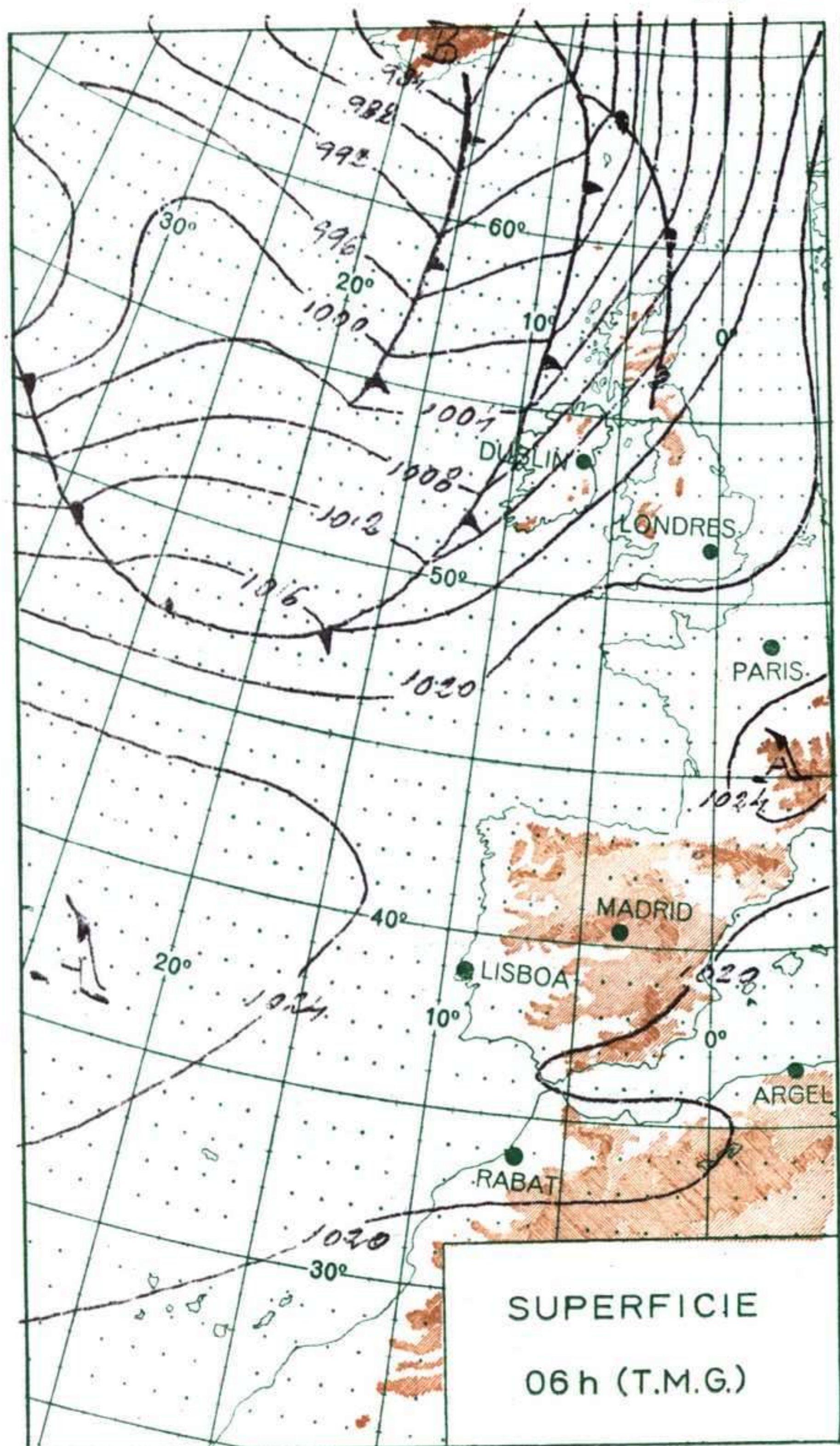
■ 1000
■ 500

■ 1000
■ 500

□ 500
□ 0

Mts.





R A D I O S O N D E O S

| La Coruña — 08 001 | | | | Zaragoza — 08 159 | | | | Madrid/Barajas — 08 221 | | | | Palma/Son Bonet - 08 302 | | | | Sta. C. Tenerife — 60 020 | | | | | | | | | | | | | |
|----------------------|-------|--------|----------|----------------------|-----|-----|----------|-------------------------|-------|-----|----------|--------------------------|-----|----|----------|---------------------------|-------|-----|----------|----|-----|----|----|------|-----|----|-----|-----|----|
| Sondeo a 00 h. (TMG) | | | | Sondeo a 00 h. (TMG) | | | | Sondeo a 00 h. (TMG) | | | | Sondeo a 00 h. (TMG) | | | | Sondeo a 00 h. (TMG) | | | | | | | | | | | | | |
| Presiones tipo | | | | Presiones tipo | | | | Presiones tipo | | | | Presiones tipo | | | | Presiones tipo | | | | | | | | | | | | | |
| PPP | hhh | TT | DD dd ff | PPP | hhh | TT | DD dd ff | PPP | hhh | TT | DD dd ff | PPP | hhh | TT | DD dd ff | PPP | hhh | TT | DD dd ff | | | | | | | | | | |
| 1000 | 166 | 3 18 | 08 04 | 1000 | | | | 1000 | 175 | | | 1000 | | | | 1000 | 170 | 16 | 50 02 10 | | | | | | | | | | |
| 850 | 1472 | -1 22 | 05 06 | 850 | | | | 850 | 1474 | -2 | 29 03 | 850 | | | | 850 | 1520 | 4 | 20 35 14 | | | | | | | | | | |
| 700 | 2995 | -9 56 | 32 04 | 700 | | | | 700 | 3007 | -7 | 28 05 | 700 | | | | 700 | 3047 | -3 | 36 10 | | | | | | | | | | |
| 500 | 5520 | -24 01 | 26 19 | 500 | | | | 500 | 5550 | -24 | 31 22 | 500 | | | | 500 | 5660 | -17 | 21 28 24 | | | | | | | | | | |
| 400 | 7110 | -38 34 | 26 27 | 400 | | | | 400 | 7140 | -38 | 31 27 | 400 | | | | 400 | 7320 | -27 | 20 27 50 | | | | | | | | | | |
| 300 | 9020 | -55 | 26 27 | 300 | | | | 300 | 9050 | -54 | 30 30 | 300 | | | | 300 | 9310 | -44 | 51 27 55 | | | | | | | | | | |
| 250 | 10160 | -65 | 27 37 | 250 | | | | 250 | 10200 | -63 | 31 45 | 250 | | | | 250 | 10510 | -53 | 48 27 50 | | | | | | | | | | |
| 200 | 11500 | -67 | 27 40 | 200 | | | | 200 | 11550 | -66 | 27 40 | 200 | | | | 200 | 11920 | -53 | 28 74 | | | | | | | | | | |
| 150 | 13260 | -62 | 27 31 | 150 | | | | 150 | 13310 | -63 | 27 55 | 150 | | | | 150 | 13700 | -63 | 28 95 | | | | | | | | | | |
| 100 | 15750 | -64 | 29 18 | 100 | | | | 100 | 15800 | -63 | 29 85 | 100 | | | | 100 | 16170 | -67 | 27 55 | | | | | | | | | | |
| 70 | 18000 | -66 | 27 39 | 70 | | | | 70 | | | | 70 | | | | 70 | | | | | | | | | | | | | |
| Puntos notables | | | | Puntos notables | | | | Puntos notables | | | | Puntos notables | | | | Puntos notables | | | | | | | | | | | | | |
| PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | | | | | | |
| 1013 | 4 | 19 | 588 | -17 | 00 | | | | | | | 945 | -2 | 14 | 229 | -68 | | | | | | | | 1016 | 17 | 56 | 434 | -22 | 21 |
| 892 | 0 | 13 | 506 | -23 | 00 | | | | | | | 923 | 1 | 00 | 172 | -63 | | | | | | | | 892 | 7 | 06 | 396 | -27 | 22 |
| 878 | 1 | 30 | 385 | -40 | 13 | | | | | | | 866 | -2 | 07 | 100 | -63 | | | | | | | | 834 | 3 | 25 | 296 | -44 | 57 |
| 800 | -4 | 18 | 228 | -69 | | | | | | | | 787 | -2 | | | | | | | | | | | 774 | -1 | 00 | 230 | -58 | 45 |
| 786 | -4 | 29 | 154 | -62 | | | | | | | | 681 | -8 | | | | | | | | | | | 748 | -4 | | 164 | -62 | |
| 736 | -9 | 28 | 120 | -62 | | | | | | | | 504 | -24 | | | | | | | | | | | 698 | -3 | | | | |
| 694 | -9 | 56 | 94 | -64 | | | | | | | | 381 | -41 | | | | | | | | | | | 596 | -6 | | | | |
| 606 | -18 | 00 | | | | | | | | | | 273 | -59 | | | | | | | | | | | 492 | -18 | 20 | | | |
| Sondeo a 12 h. (TMG) | | | | Sondeo a 12 h. (TMG) | | | | Sondeo a 12 h. (TMG) | | | | Sondeo a 12 h. (TMG) | | | | Sondeo a 12 h. (TMG) | | | | | | | | | | | | | |
| Presiones tipo | | | | Presiones tipo | | | | Presiones tipo | | | | Presiones tipo | | | | Presiones tipo | | | | | | | | | | | | | |
| PPP | hhh | TT | DD dd ff | PPP | hhh | TT | DD dd ff | PPP | hhh | TT | DD dd ff | PPP | hhh | TT | DD dd ff | PPP | hhh | TT | DD dd ff | | | | | | | | | | |
| 1000 | 202 | 6 43 | 12 06 | 1000 | | | | 1000 | 195 | | | 1000 | | | | 1000 | 180 | 17 | 60 36 02 | | | | | | | | | | |
| 850 | 1516 | -2 29 | 04 08 | 850 | | | | 850 | 1504 | -2 | 18 21 08 | 850 | | | | 850 | 1543 | 7 | 25 36 06 | | | | | | | | | | |
| 700 | 3034 | -11 26 | 34 08 | 700 | | | | 700 | 3042 | -6 | 58 27 08 | 700 | | | | 700 | 3115 | -3 | 00 36 08 | | | | | | | | | | |
| 500 | 5550 | -26 58 | 32 16 | 500 | | | | 500 | 5580 | -25 | 21 26 29 | 500 | | | | 500 | 5700 | -19 | 37 28 20 | | | | | | | | | | |
| 400 | 7130 | -38 56 | 34 24 | 400 | | | | 400 | 7160 | -37 | 50 26 89 | 400 | | | | 400 | 7320 | -33 | 56 28 25 | | | | | | | | | | |
| 300 | 9150 | -52 | 36 20 | 300 | | | | 300 | 9090 | -53 | 26 55 | 300 | | | | 300 | 9300 | -44 | 26 75 | | | | | | | | | | |
| 250 | 10300 | -58 | 36 38 | 250 | | | | 250 | 10240 | -61 | 27 50 | 250 | | | | 250 | 10510 | -50 | 26 50 | | | | | | | | | | |
| 200 | 11700 | -60 | 36 44 | 200 | | | | 200 | 11610 | -62 | 27 40 | 200 | | | | 200 | 11950 | -56 | 27 50 | | | | | | | | | | |
| 150 | 13490 | -62 | 35 42 | 150 | | | | 150 | | | | 150 | | | | 150 | 13760 | -60 | 27 45 | | | | | | | | | | |
| 100 | 15980 | -64 | 32 35 | 100 | | | | 100 | | | | 100 | | | | 100 | 16280 | -61 | 28 40 | | | | | | | | | | |
| 70 | 18190 | -66 | 32 29 | 70 | | | | 70 | | | | 70 | | | | 70 | 18480 | -63 | 28 30 | | | | | | | | | | |
| Puntos notables | | | | Puntos notables | | | | Puntos notables | | | | Puntos notables | | | | Puntos notables | | | | | | | | | | | | | |
| PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | PPP | TT | DD | | | | | | |
| 1017 | 6 | 43 | 516 | -24 | 56 | | | | | | | 948 | 2 | 41 | 285 | -56 | | | | | | | | 1017 | 18 | 60 | 376 | -36 | |
| 974 | 6 | 43 | 386 | -40 | 57 | | | | | | | 918 | 2 | 21 | 233 | -64 | | | | | | | | 935 | 12 | 50 | 232 | -53 | |
| 906 | 2 | 33 | 265 | -58 | | | | | | | | 860 | -2 | 06 | 214 | -64 | | | | | | | | 756 | 1 | 00 | 171 | -59 | |
| 862 | -1 | 23 | 60 | -67 | | | | | | | | 803 | -1 | 58 | 202 | -62 | | | | | | | | 658 | -6 | 00 | | | |
| 717 | -10 | 23 | | | | | | | | | | 803 | -1 | 58 | 184 | -63 | | | | | | | | 638 | -7 | | | | |
| 698 | -11 | 25 | | | | | | | | | | 690 | -7 | 58 | | | | | | | | | | 498 | -19 | 35 | | | |
| 638 | -17 | 16 | | | | | | | | | | 556 | -20 | 22 | | | | | | | | | | 462 | -24 | 56 | | | |
| 608 | -16 | 26 | | | | | | | | | | 374 | -40 | 56 | | | | | | | | | | 389 | -34 | 56 | | | |

| VIENTO EN ALTITUD | Estación | | | | | | | | | | | | | | | | | | |
|-------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Indicativo | | | | | | | | | | | | | | | | | | |
| | Día/hora | | | | | | | | | | | | | | | | | | |
| | Altitud | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff | dd ff |
| | Tierra | | | | | | | | | | | | | | | | | | |
| | 1.000 | | | | | | | | | | | | | | | | | | |
| | 1.500 | | | | | | | | | | | | | | | | | | |
| | 2.000 | | | | | | | | | | | | | | | | | | |
| | 3.000 | | | | | | | | | | | | | | | | | | |
| | 4.000 | | | | | | | | | | | | | | | | | | |
| | 5.500 | | | | | | | | | | | | | | | | | | |
| | 7.000 | | | | | | | | | | | | | | | | | | |
| | 9.000 | | | | | | | | | | | | | | | | | | |
| | 10.500 | | | | | | | | | | | | | | | | | | |
| | 12.000 | | | | | | | | | | | | | | | | | | |

