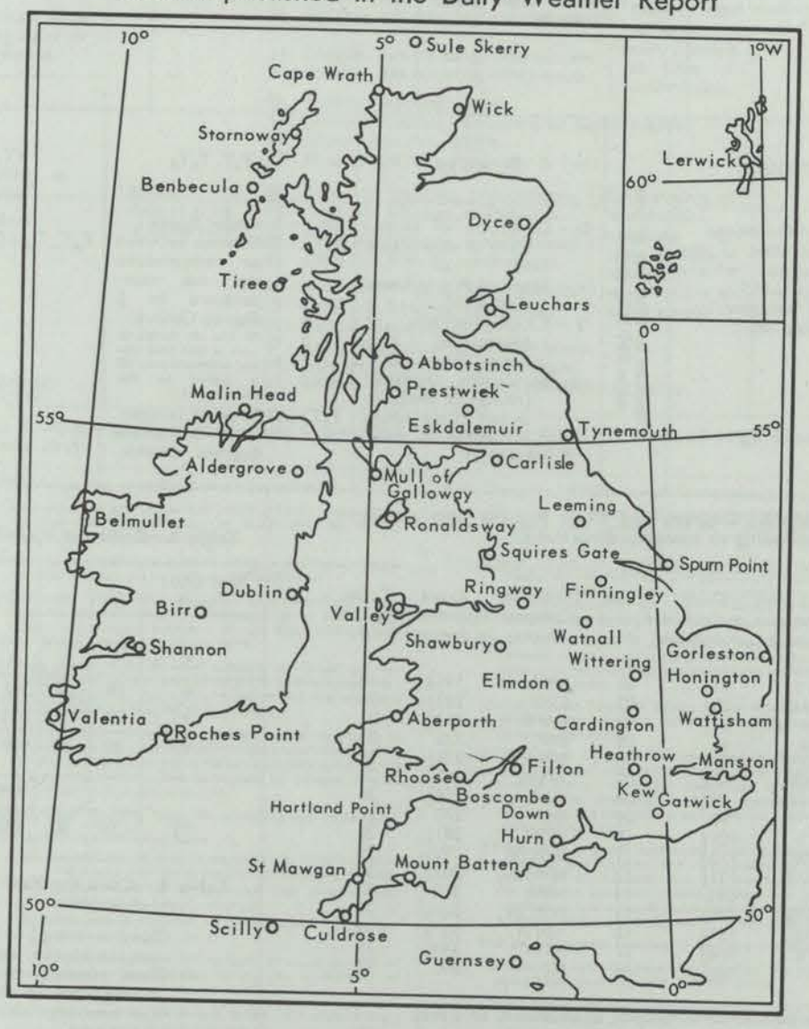
THE DAILY WEATHER REPORT

(INTRODUCTION)

1st July to 30th September, 1977

Stations published in the Daily Weather Report



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1. HISTORY

A brief history of changes in contents and format between 1st April, 1919, and December, 1949, will be found in the introduction to the British Section for 1st October to 31st December, 1949. On 1st January, 1950, the British and International Sections of the former Report, which had been issued in three sections since 1919, were combined in a single publication, the present Daily Weather Report. At the same time, the third section was published separately with the title of Daily Aerological Record. A number of changes in meteorological codes and specifications were introduced on 1st January, 1955, and incorporated in the Report. Changes in format introduced on 1st July, 1955, provided for the elements of station and ships' observations to be given in the order of the appropriate meteorological code and for some modification of the scales and projections of charts. On 1st January, 1961, the Celsius scale was adopted for reporting surface temperatures. On 1st January, 1967, the metric system was adopted for all references to heights and distances. Certain changes relating to position and wave groups in the Ship-Code were introduced on 1st January, 1968.

2. FORM OF PRESENTATION

(i) **Observations.**—Pages 1 and 4 of the Daily Weather Report contain reports for the four main hours of observation from a representative number of stations in Great Britain and Ireland which provide full reports together with a selection of reports from ocean weather stations for the same hours. In addition, Beaufort letters (Table 20), mainly describing precipitation, are given for each of the four six-hourly periods, together with reports of maximum and minimum temperature, sunshine, rainfall and state of ground (Table 13), in respect of the land stations listed. Explanations of the codes and specifications used are given below.

(ii) **Charts.**—Page 2 contains a chart of the weather in a large part of the northern hemisphere for mid-day of the previous day. Page 3 contains charts of slightly larger scale, for the British Isles and Western Europe, for 1800 h. of the previous day and for 0000 h and 0600 h on the day of issue.

2. FORM OF PRESENTATION (continued)

(iii) **General Synoptic Development.**—Below the weather charts on page 3 will be found a statement which describes the main features in the evolution of the synoptic situation over the United Kingdom during the preceding 24 hours together with an indication of the manner in which it is expected to develop.

3. NOTES

(i) **Standard of Time.**—Greenwich Mean Time is exclusively used throughout the Report.

(ii) **Temperature.**—On pages 1 and 4 temperature is specified in whole degrees Celsius, negative temperatures being coded by removing the minus sign and adding 50. Equivalent values in degrees Fahrenheit can be obtained by reference to the table printed between these pages. See also note under PPP TT in para. 4 below.

(iii) **Adjusted Readings.**—Where an instrumental reading is found to be in error and some adjustment is necessary, the adjusted reading is published in brackets thus (59).

(iv) **Rainfall Readings in Eire.**—The rainfall totals for stations in Eire are for the periods
18h—06h, reported at 0900h.
06h—18h, reported at 2100h.

(v) Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read " The Practice of Weather Forecasting " which may be purchased from H.M. Stationery Office, 49 High Holborn.

(vi) Correction sheets will be issued weekly. These will contain corrected observations, where appropriate, for all stations with the exception of the following:—stations in Eire, Cape Wrath, Sule Skerry, Mull of Galloway, Kilnsea, Guernsey, Scilly, Hartland Point.

4. EXPLANATION OF CODES AND SPECIFICATIONS

CODE FM 11 V—Land Stations

N dd ff	VV ww W	PPP TT	N_h C_L h C_M C_H	T_d T_d a pp	$8N_s$ C h_sh_s	RRT_xT_xE RRT_nT_nE sss T_gT_g
N = Total amount of cloud in eighths (Table 1). dd = Wind direction on scale 01–36 (see also Table 2). ff = Wind speed in knots.	VV = Visibility (Table 3). ww = Present weather (Table 5). W = Past weather (Table 4).	PPP = Last three figures of pressure (reduced to M.S.L.) in millibars and tenths. TT = Temperature in whole degrees Celsius. *Note.*— In reports from ocean weather stations (FM 21V) only the tens and units figure of air temperature are reported. The tenths figure is reported by t_T.	N_h = Fraction of celestial dome covered by C_L (or C_M if no C_L). C_L = Form of low cloud (Table 6). h = Height above ground of base of lowest cloud (Table 9). C_M = Form of Medium Cloud (Table 7). C_H = Form of high cloud (Table 8).	T_dT_d = Dew point temperature in whole degrees Celsius. a = Characteristic of barometric tendency (Table 10). pp Barometric tendency (change of pressure in last three hours in tenths of millibars).	8 = Indicator figure. N_s = Amount in eighths of individual cloud layer or mass (Table 1). C = Type of cloud (Table 11). h_sh_s = Height of base of cloud (Table 12).	RR = Rainfall (Table 19) (Code 3577) (09h–21h) (21h–09h). T_xT_x = Maximum temperature in whole degrees Celsius (09h–21h). T_nT_n = Minimum temperature in whole degrees Celsius (21h–09h). T_gT_g = Minimum temperature on grass in whole degrees Celsius (21h–09h). sss = Duration of sunshine (in hours and tenths) E = State of ground (Table 13) (Code 0900) (at 21h and 09h).

CODE FM 21 V—Ships

$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGi_w	Followed by first four groups as in FM 11V above.	D_s v_s a pp	O T_sT_s T_dT_d	$1T_wT_wT_wt_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
99 = Indicator group. $L_aL_aL_a$ = Latitude in tenths of a degree.	Q_c = Quadrant of the globe (Table 17). $L_oL_oL_oL_o$ = Longitude in tenths of a degree.	YY = Day of the month. GG = Actual time to the nearest whole hour G.M.T. i_w = Wind indicator (Table 18).		D_s = Direction of movement of ship (Table 14). v_s = Speed of ship in knots (Table 15). a = Characteristic of barometric tendency (Table 10). pp = Barometric tendency (change of pressure in last three hours in tenths of millibars).	O = Indicator figure. T_sT_s = Difference between air temperature and sea temperature in ½ degree Celsius. (If the air temperature is less than the sea temperature, 50 is added to the difference.) T_dT_d = Dew point temperature in whole degrees Celsius.	1 = Indicator figure. $T_wT_wT_w$ = Sea surface temperature in tenths of a degree Celsius. For negative temperatures 500 is added. t_T = The tenths figure of the air temperature.	3 = Indicator figure. P_wP_w = Period of waves in seconds. H_wH_w = Height of the waves in units of 0·5 metre. This group refers to wind waves. If there is a swell with no wind waves this group is reported as 3//00.	d_wd_w = Direction (in tens of degrees) from which waves come. P_w Period of waves (Table 16). H_wH_w Height of the waves in units of 0·5 metre. This group is used to report swell when it is possible to make a clear distinction between swell and wind waves.

Table 1.—Code for Cloud Amount (N, N_h, N_s)

0 = None.

1 = 1 eighth of sky covered or less, but not zero.

2 = 2 eighths of sky covered.

3 = 3 eighths of sky covered.

4 = 4 eighths of sky covered.

5 = 5 eighths of sky covered.

6 = 6 eighths of sky covered.

7 = 7 eighths of sky covered or more, but not 8 eighths.

8 = 8 eighths (sky completely covered).

9 = Sky obscured or cloud amount cannot be estimated.

Note.—" Trace " would be included under Figure 1, which should be used for amounts up to 1/8th (i.e., not up to 3/16ths). " Overcast but with openings " would be included under Figure 7, which should be used for amounts down to 7/8ths (i.e., not down to 13/16ths).

Table 2.—Degrees and Code Figures (dd) corresponding to compass directions

Direction (Compass Points)	Exact equivalent in degrees	Code figures dd	Direction (Compass Points)	Exact equivalent in degrees	Code figures dd
Calm	—	00			
N'E.	11¼	01	S'W.	191¼	19
NNE.	22½	02	SSW.	202½	20
NE'N.	33¾	03	SW'S.	213¾	21
NE.	45	05	SW.	225	23
NE'E.	56¼	06	SW'W.	236¼	24
ENE.	67½	07	WSW.	247½	25
E'N.	78¾	08	W'S.	258¾	26
E.	90	09	W.	270	27
E'S	101¼	10	W'N.	281¼	28
ESE.	112½	11	WNW.	292½	29
SE'E.	123¾	12	NW'W.	303¾	30
SE.	135	14	NW.	315	32
SE'S.	146¼	15	NW'N.	326¼	33
SSE.	157½	16	NNW.	337½	34
S'E.	168¾	17	N'W.	348¾	35
S.	180	18	N.	360	36

Variable, or all directions, or unknown, or waves confused, direction indeterminate 99

Note.—The direction to be observed is " true " not " magnetic "

Table 3.—Code for Visibility—(VV) (Code 4377)

First Code Figure	Second Code Figure 0	1	2	3	4	5	6	7	8	9
					Km					
5	5	*	*	*	*	*	6	7	8	9
6	10	11	12	13	14	15	16	17	18	19
7	20	21	22	23	24	25	26	27	28	29
8	30	35	40	45	50	55	60	65	70	Over 70
			METRES							
9‡	<50	50	200	500	1,000	2,000	4	10	20	50 or over

In the range 01–50 the figures give actual visibility in tenths of kilometres. This table gives the meanings of higher code figures.
†Values not given may be obtained by interpolation.
* Code figures not used.
‡ Decade 90–99 is used when visibility cannot be determined with sufficient accuracy to justify lower code figures.

Table 4.—Code for Past Weather (W) (Code 4500)

0 = Cloud covering ½ or less of the sky throughout the appropriate period.
1 = Cloud covering more than ½ of the sky during part of the appropriate period and covering half or less during part of the period.
2 = Cloud covering more than ½ of the sky throughout the appropriate period.
3 = Sandstorm, duststorm or blowing snow.
4 = Fog, ice fog or thick haze (visibility less than 1000 m.).
5 = Drizzle.
6 = Rain.
7 = Snow, or rain and snow mixed.
8 = Shower(s)
9 = Thunderstorm(s) with or without precipitation.

The code for W covers the weather occurring during the last six hours.

Table 5.—Code for Present Weather (ww) (Code 4677)

00–19 No precipitation at the station at the time of observation.	00	Cloud development not observed.
	01	Clouds generally dissolving or becoming less developed.
	02	State of sky on the whole unchanged.
	03	Clouds generally forming or developing.
		(Characteristic change of the state of the sky during the past hour.)
	04	Visibility reduced by smoke, e.g., veldt or forest fire, industrial smoke or volcanic ashes.
	05	Haze
	06	Widespread dust in suspension in the air, not raised by wind at or near the station at the time of observation
	07	Dust or sand raised by wind at or near the station at the time of observation, but no well-developed dust whirl(s) or sand whirl(s), and no duststorm or sandstorm seen; or in the case of ships, blowing spray at the station.
	08	Well developed dust whirl(s) or sand whirl(s) seen at or near the station during the preceding hour, but no duststorm or sandstorm.
	09	Duststorm or sandstorm within sight of the station or at the station during the preceding hour.
	10	Mist.
	11	Shallow fog or ice fog, in patches.
	12	Shallow fog or ice fog, more or less continuous.
		(Fog not deeper than about 2 metres on land or 10 metres at sea.)
	13	Lightning visible, no thunder heard.
	14	Precipitation within sight, not reaching the ground or the surface of the sea.
	15	Precipitation within sight, reaching the ground or the surface of the sea but distant (estimated to be more than 5 km) from the station.
	16	Precipitation within sight reaching the ground or the surface of the sea near to but not at the station.
	17	Thunderstorm, but no precipitation at time of observation.
	18	Squalls.
	19	Funnel cloud(s)†
		(at or within sight of the station during the preceding hour or at the time of observation.)
20–29 Precipitation, fog or thunderstorm at station during the last hour but not at time of observation.	20	Drizzle (not freezing), or snow grains.
	21	Rain (not freezing).
	22	Snow.
	23	Rain and snow or ice pellets type (a).
	24	Freezing drizzle or freezing rain.
		(Not falling as shower(s).)
	25	Shower(s) of rain.
	26	Shower(s) of snow, or of rain and snow.
	27	Shower(s) of hail*, or of hail and rain.
	28	Fog or ice fog.
	29	Thunderstorm (with or without precipitation).
30–39 Duststorms, Sandstorms, drifting or blowing snow.	30	Slight or moderate duststorm or sandstorm. has decreased during preceding hour.
	31	Slight or moderate duststorm or sandstorm. no appreciable change during preceding hour.
	32	Slight or moderate duststorm or sandstorm. has begun or has increased during preceding hour.
	33	Severe duststorm or sandstorm. has decreased during preceding hour.
	34	Severe duststorm or sandstorm. no appreciable change during preceding hour.
	35	Severe duststorm or sandstorm. has begun or has increased during preceding hour.
	36	Slight or moderate drifting snow.
	37	Heavy drifting snow.
		(generally low.)
	38	Slight or moderate blowing snow.
	39	Heavy blowing snow.
		(generally high.)
40–49 Fog or ice fog at time of observation.	40	Fog or ice fog at a distance at the time of observation, but not at the station during the last hour, the fog or ice fog extending to a level above that of the observer.
	41	Fog or ice fog in patches.
	42	Fog or ice fog, sky discernible.
	43	Fog or ice fog, sky not discernible.
		(has become thinner during the preceding hour.)
	44	Fog or ice fog, sky discernible.
	45	Fog or ice fog, sky not discernible.
		(no appreciable change during the preceding hour.)
	46	Fog or ice fog, sky discernible.
	47	Fog or ice fog, sky not discernible.
		(has begun, or has become thicker during the preceding hour.)
	48	Fog, depositing rime, sky discernible.
	49	Fog, depositing rime, sky not discernible.
50–59 Drizzle at time of observation.	50	Drizzle, not freezing, intermittent.
	51	Drizzle, not freezing, continuous.
		(slight at time of observation.)
	52	Drizzle, not freezing, intermittent.
	53	Drizzle, not freezing, continuous.
		(moderate at time of observation.)
	54	Drizzle, not freezing, intermittent.
	55	Drizzle, not freezing, continuous.
		(heavy (dense) at time of observation.)
	56	Drizzle, freezing, slight.
	57	Drizzle, freezing, moderate or heavy (dense).
	58	Drizzle and rain, slight.
	59	Drizzle and rain, moderate or heavy.
60–69 Rain at time of observation.	60	Rain, not freezing, intermittent.
	61	Rain, not freezing, continuous.
		(slight at time of observation.)
	62	Rain, not freezing, intermittent.
	63	Rain, not freezing, continuous.
		(moderate at time of observation.)
	64	Rain, not freezing, intermittent.
	65	Rain, not freezing, continuous.
		(heavy at time of observation.)
	66	Rain, freezing, slight.
	67	Rain, freezing, moderate or heavy.
	68	Rain or drizzle, and snow, slight.
	69	Rain or drizzle and snow, moderate or heavy.
70–79 Solid precipitation not in showers.	70	Intermittent fall of snow flakes.
	71	Continuous fall of snow flakes.
		(slight at time of observation.)
	72	Intermittent fall of snow flakes.
	73	Continuous fall of snow flakes.
		(moderate at time of observation.)
	74	Intermittent fall of snow flakes.
	75	Continuous fall of snow flakes.
		(heavy at time of observation.)
	76	Ice prisms (with or without fog).
	77	Snow grains (with or without fog).
	78	Isolated starlike snow crystals (with or without fog).
	79	Ice pellets type (a).
80–90 Showery precipitation	80	Rain shower(s), slight.
	81	Rain shower(s), moderate or heavy.
	82	Rain shower(s), violent.
	83	Shower(s) of rain and snow, slight.
	84	Shower(s) of rain and snow, moderate or heavy.
	85	Snow shower(s), slight.
	86	Snow shower(s), moderate or heavy.
	87	Shower(s), or snow pellets or ice pellets type (b) with or without rain or rain and snow mixed. slight
	88	Shower(s), or snow pellets or ice pellets type (b) with or without rain or rain and snow mixed. moderate or heavy.
	89	Shower(s) of hail, with or without rain or rain and snow mixed, not associated with thunder. slight.
	90	Shower(s) of hail, with or without rain or rain and snow mixed, not associated with thunder. moderate or heavy.
91–99 Precipitation with current or recent thunderstorm	91	Slight rain at time of observation.
	92	Moderate or heavy rain at time of observation.
	93	Slight snow, rain and snow mixed, or hail* at time of observation.
	94	Moderate or heavy snow, rain and snow mixed or hail* at time of observation.
	95	Thunderstorm, slight or moderate, without hail* but with rain and/or snow at time of observation.
	96	Thunderstorm, slight or moderate, with hail* at time of observation.
		(thunderstorm during the preceding hour, but not at time of observation.)
	97	Thunderstorm, heavy, without hail*, but with rain and/or snow at time of observation.
	98	Thunderstorm combined with duststorm or sandstorm at time of observation.
	99	Thunderstorm, heavy, with hail* at time of observation.
		(thunderstorm at time of observation.)

The expression " at the station " refers to a land station or a ship at the point from which observations are normally taken.

† Tornado cloud or water spout.

* Hail, ice pellets type (b), snow pellets. ICE PELLETS are defined as transparent or translucent pellets of ice, which are spherical or irregular, rarely conical, and which have a diameter of 5 mm. or less. They may be subdivided into two main types.

(a) Frozen raindrops or largely melted and refrozen snowflakes.

(b) Pellets of snow encased in a thin layer of ice. HAIL is defined as small balls or pieces of ice (hailstones) with a diameter ranging from 5 mm. to 50 mm. or sometimes more, falling either separately or agglomerated into irregular lumps.

Table 6.—Code for form of Low Cloud (C_L) (Code 0513)

0 = No stratocumulus, stratus, cumulus or cumulonimbus.

1 = Ragged cumulus other than of bad weather, or cumulus with little vertical extent and seemingly flattened, or both.

2 = Cumulus of moderate or strong vertical extent, generally with protuberances in the form of domes or towers, either accompanied or not by other cumulus or by stratocumulus : all having their bases at the same level.

3 = Cumulonimbus, the summits of which, at least partially, lack sharp outlines, but are neither clearly fibrous (cirriform) nor in the form of an anvil ; cumulus, stratocumulus or stratus may also be present.

4 = Stratocumulus formed by the spreading out of cumulus : cumulus may also be present.

5 = Stratocumulus not resulting from the spreading out of cumulus.

6 = Stratus in a more or less continuous sheet or layer, or in ragged shreds, or both, but no stratus fractus of bad weather.

7 = Stratus fractus of bad weather or cumulus fractus of bad weather (pannus), or both ; usually below altostratus or nimbostratus. By " bad weather " is meant the conditions which generally exist before, during or after precipitation.

8 = Cumulus and stratocumulus, other than those formed from the spreading out of cumulus : the base of cumulus is at a different level from that of stratocumulus.

9 = Cumulonimbus, the upper part of which is clearly fibrous (cirriform), often in the form of an anvil ; either accompanied or not by cumulus, stratocumulus, stratus or pannus.

/ = Stratocumulus, stratus, cumulus and cumulonimbus are invisible owing to darkness, fog, blowing dust or sand, or other similar phenomena.

Table 7.—Code for form of Medium Cloud (C_M) (Code 0515)

0 = No altocumulus, altostratus or nimbostratus.

1 = Altostratus, the greater part of which is semi-transparent : through this part the sun or moon may be weakly visible as through ground glass.

2 = Altostratus, the greater part of which is sufficiently dense to hide the sun (or moon), or nimbostratus.

3 = Altocumulus, the greater part of which is semi-transparent, and no part of which is crenelated or in cumuliform tufts : the various elements of the cloud change only slowly and are all at a single level.

4 = Patches (often in the form of almonds or fishes) of altocumulus, the greater part of which is semi-transparent ; the clouds are at one or more levels and the elements are continually changing in appearance.

5 = Semi-transparent altocumulus in bands or altocumulus in one more or less continuous layer progressively invading the sky : these altocumulus clouds generally are growing denser as a whole. The layer may be opaque or may consist of two or more sheets.

6 = Altocumulus resulting from the spreading out of cumulus.

7 = Any one of the following cases :—

(a) Altocumulus in two or more layers, usually opaque in places and not progressively invading the sky.

(b) Opaque layer of altocumulus not progressively invading the sky.

(c) Altocumulus together with altostratus or nimbostratus or both.

8 = Altocumulus with sprouts in the form of small towers or battlements, or altocumulus having the appearance of cumuliform tufts.

9 = Altocumulus, generally at several levels, in a chaotic sky : dense cirrus is usually also present.

/ = Altocumulus, altostratus and nimbostratus are invisible owing to darkness, fog, blowing dust or sand, or other similar phenomena, or more often because of the presence of a continuous layer of lower clouds.

Code 8.—Code for form of High Cloud (C_H) (Code 0509)

0 = No cirrus, cirrocumulus or cirrostratus.

1 = Cirrus in the form of filaments, strands or hooks, not progressively invading the sky (often called " mares' tails ").

2 = Dense cirrus, in patches or entangled sheaves, which usually do not increase and sometimes seem to be the remains of the upper part of a cumulonimbus : or cirrus with sproutings in the form of towers or battlements, or having the appearance of cumuliform tufts.

3 = Dense cirrus, often in the form of an anvil ; either the remains of the upper parts of a cumulonimbus or parts of distant cumulonimbus, the cumuliform portions of which cannot be seen.

4 = Cirrus in the form of hooks or of filaments, or both, progressively invading the sky : they generally become denser as a whole.

5 = Cirrus, often in bands converging towards one point or two points of the horizon, and cirrostratus, or cirrostratus alone : in either case, they are progressively invading the sky, and generally growing denser as a whole, but the continuous veil does not reach 45 degrees above the horizon.

6 = Cirrus, often in bands converging towards one point or two points of the horizon, and cirrostratus, or cirrostratus alone : in either case, they are progressively invading the sky, and generally growing denser as a whole ; the continuous veil extends more than 45 degrees above the horizon, without the sky being totally covered.

7 = Veil of cirrostratus completely covering the celestial dome.

8 = Cirrostratus not progressively invading the sky and not completely covering the celestial dome.

9 = Cirrocumulus alone or cirrocumulus accompanied by cirrus or cirrostratus, or both, but cirrocumulus is the predominant cirriform cloud.

/ = Cirrus, cirrocumulus and cirrostratus are invisible owing to darkness, fog, blowing dust or sand, or other similar phenomena, or more often because of the presence of a continuous layer of lower clouds.

Table 9.—Code for Cloud Height (h) (Code 1600)

Code figure	Height of base of cloud metres
0	0–50
1	50–100
2	100–200
3	200–300
4	300–600
5	600–1,000
6	1,000–1,500
7	1,500–2,000
8	2,000–2,500
9	Above 2,500
/	Height of base of cloud not known or base of clouds at a level lower and tops at a level higher than that of the station.

Note 1.—If there is no cloud at all code figure 9 is reported.

Note 2.—If there is fog, and the sky is discernible through the fog, the cloud form, height and amount are reported as if no fog were present. If the sky is not discernible through the fog the height of the base of the cloud is reckoned as 0.

Note 3.—Height above ground of the base of cloud. If there is cloud of Form C_L reported, h refers to this cloud. If, however, there is no cloud of Form C_L and there is cloud of Form C_M h refers to this cloud.

Table 10.—Code for Characteristic of Barometric Tendency (a) (Code 0200)

0 = Increasing, then decreasing; atmospheric pressure the same as or higher than 3 hrs ago.

1 = Increasing, then steady; or increasing, then increasing more slowly.
2 = Increasing (steadily or unsteadily).
3 = Decreasing or steady, then increasing; or increasing, then increasing more rapidly.
(atmospheric pressure now higher than 3 hrs ago.)

4 = Steady, atmospheric pressure the same as 3 hrs ago.

5 = Decreasing, then increasing; atmospheric pressure the same as or lower than 3 hrs ago.

6 = Decreasing, then steady; or decreasing, then decreasing more slowly.
7 = Decreasing (steadily or unsteadily).
8 = Steady or increasing, then decreasing; or decreasing, then decreasing more rapidly.
(atmospheric pressure now lower than 3 hrs ago.)

Table 11.—Code for Type of Cloud (C) (Code 0500)

0 = Cirrus (Ci).
1 = Cirrocumulus (Cc).
2 = Cirrostratus (Cs).
3 = Altocumulus (Ac).
4 = Altostratus (As).
5 = Nimbostratus (Ns).
6 = Stratocumulus (Sc).
7 = Stratus (St).
8 = Cumulus (Cu).
9 = Cumulonimbus (Cb).
/ = Cloud not visible owing to darkness, fog, duststorm, sandstorm or other analogous phenomena.

Table 12.—Code for Height of Cloud (h_sh_s) (Code 1677)

Code figures 01–50: × 30 = height in metres. Code figures 56–80: − 50 × 3 = height in hundreds of metres.

CODE FIGURES 81–89

Code figures		Metres
81	=	10,500
82	=	12,000
83	=	13,500
84	=	15,000
85	=	16,500
86	=	18,000
87	=	19,500
88	=	21,000
89	=	>21,000

CODE FIGURES 90–99*

Code figures		Metres
90	=	<50
91	=	50–100
92	=	100–200
93	=	200–300
94	=	300–600
95	=	600–1,000
96	=	1,000–1,500
97	=	1,500–2,000
98	=	2,000–2,500
99	=	2,500 or more, or no clouds.

*Only used when cloud height cannot be determined with greater accuracy.

Table 13.—Code for State of Ground (E) (Code 0900)

0 ... Ground dry.
1 ... ,, moist.
2 ... ,, wet.
3 ... ,, frozen.
4 ... Glaze or ice on ground but no snow or melting snow.
5 ... Snow or melting snow (with or without ice) covering less than one half of ground.
6 ... Snow or melting snow (with or without ice) covering more than one-half of ground (but not completely).
7 ... Snow or melting snow (with or without ice) covering ground completely.
8 ... Loose dry snow, dust or sand covering more than one half of ground (but not completely).
9 ... Loose dry snow, dust or sand covering ground completely.

Table 14.—Code for Direction in which Ship has moved (D_s) (Code 0700)

0 = Stationary.
1 = North-east.
2 = East.
3 = South-east.
4 = South.
5 = South-west.
6 = West.
7 = North-west.
8 = North.
9 = No definite direction or unknown.

Table 15.—Code for Speed of Ship (v_s) (Code 4451)

kt

0 = 0
1 = 1–5
2 = 6–10
3 = 11–15
4 = 16–20
5 = 21–25
6 = 26–30
7 = 31–35
8 = 36–40
9 = >40

Table 16.—Code for Period of Waves (P_w) (Code 3155)

sec

0 = 10
1 = 11
2 = 12
3 = 13
4 = 14 or more
5 = 5 or less
6 = 6
7 = 7
8 = 8
9 = 9

Table 17.—Quadrant of the globe (Q_c) (Code 3333)

	Latitude	Longitude
1	North	East
3	South	East
5	South	West
7	North	West

Table 18.—Wind Indicator (i_w) (Code 1855)

0 = wind speed estimated
1 = wind speed obtained by anemometer
(wind speed in metres per second)
3 = wind speed estimated
4 = wind speed obtained by anemometer
(wind speed in knots)

Table 19.—Code for Amount of Precipitation (RR) (Code 3577)

	mm
01–55	Amount to the nearest whole millimetre.
56	60
57–90	Add 10 mm for each unit above 56 e.g., 73 = 230 mm
91	0·1
92	0·2
93	0·3
94	0·4
95	0·5
96	0·6
97	Trace (There has been precipitation but amount less than 0·05 mm).
98	>400
99	Measurement impossible or inaccurate.

Table 20.—Explanation of Beaufort Letters (pages 1 and 4)

d = drizzle.
f = fog, visibility 200 metres, or more but less than 1 kilometre.
F = thick fog, visibility less than 200 metres.
h = hail, ice prisms or ice pellets types (a) and (b).
ks = storm of drifting snow.
l = lightning
p = shower(s).
r = rain.
s = snow
rs = rain and snow.
t = thunder.

Intensity is shown by capital letters ("heavy" or "thick") or suffix "o" ("slight"). Continuous precipitation is shown by repeating the letter and intermittent precipitation by the prefix "i". The prefix "j" indicates weather near but not at the station.

5. EXPLANATION OF CHARTS

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather represents 10 Kt and a short feather 5 Kt. A solid pennant represents 50 Kt. Calm is indicated by circle outside Station circle.

TEMPERATURE is given in degrees C., and is shown on the charts by means of figures alongside the Station circle.

CLOUD SYMBOLS

Clear sky. Sky 1/8 covered. Sky 2/8 covered. Sky 3/8 covered. Sky 4/8 covered.
Sky 5/8 covered. Sky 6/8 covered. Sky 7/8 Covered Sky 8/8 covered. Sky obscured.
Missing or doubtful data.

WEATHER SYMBOLS

Rain. Drizzle. Snow. Rain and snow. Hail.
Shower. Thunderstorm. Fog. Mist.

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced, in the following way—

Warm Front at the surface.
Cold Front at the surface.
Stationary Front.
Axis of trough.
Occluded Front.
Cold front frontogenesis.
Cold front frontolysis.
Warm front frontogenesis.
Warm front frontolysis.

Note.—The symbols are placed on the side of the line towards which the front is moving. Identification letters are inserted in systems.

ALTITUDES OF STATIONS:—The altitudes, in metres, of British and Irish stations are given below. These refer in each case to the datum level of the ground beneath or nearly beneath the thermometer screen. Where the official name of the station differs, this is given in brackets.

Boscombe Down	126	Hartland Point	90	Tynemouth	29	Sule Skerry	13
Hurn (Bournemouth/Hurn Airport)	10	Mount Batten (Plymouth/Mount Batten)	27	Carlisle	26	Cape Wrath	112
		St. Mawgan	103	Valley	10	Stornoway	15
Manston	44	Scilly, St. Mary's	48	Ringway (Manchester Airport)	75	Benbecula	6
Gatwick (London/Gatwick Airport)	59	Culdrose	82	Squires Gate (Blackpool Airport)	10	Tiree	9
Kew	5	Guernsey Airport	104	Ronaldsway (Isle of Man/Ronaldsway Airport)	17	Aldergrove (Belfast/Aldergrove Airport)	69
Heathrow (London/Heathrow Airport)	25	Elmdon (Birmingham Airport)	96	Mull of Galloway	78	Malin Head	20
Honington	49	Cardington	28	Eskdalemuir	242	Belmullet	9
Wattisham	89	Wittering	75	Prestwick (Prestwick Airport)	16	Birr	70
Gorleston	4	Watnall	117	Abbotsinch (Glasgow Airport)	5	Dublin (Dublin Airport)	68
Aberporth	133	Shawbury	72	Leuchars	10	Shannon (Shannon Airport)	2
		Finningley	10	Dyce (Aberdeen/Dyce)	58	Roches Point	40
Filton (Bristol/Filton)	59	Spurn Point	12	Lerwick	82	Valentia (Valentia Observatory)	9
Rhoose (Glamorgan/Rhoose Airport)	67	Leeming	32	Wick	36		

HMSO Press, Bracknell, Berks.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

No. 259 — MONTHLY SUMMARY — For JULY 1977

MOSTLY COOL AND DRY BUT ONE VERY WARM SPELL AND
ISOLATED THUNDERY OUTBREAKS

From the 1st to the 4th, a centre of high pressure moved northeastwards from France to the North Sea and subsequently became absorbed in the circulation of a larger anticyclone centred to north of Scandinavia. The mainly southwesterly airflow which covered the British Isles at first was soon replaced by easterlies. Between the 5th and 7th pressure rose over a large area of the northeastern Atlantic and winds over the country blew persistently from between east and north until the 14th. Weak fronts occasionally affected the west, and southern districts were influenced now and again by continental depressions. On the 14th, a ridge drifted southeastwards across the British Isles and from the 15th to the 24th, fronts and depressions from the Atlantic crossed most districts from time to time. During the last week of the month a ridge of high pressure extended northeastwards from the Azores anticyclone to cover most parts of the country but weak fronts occasionally encroached on northern and western districts before dying out.

Outbreaks of rain in northern and central districts at first were heavy at times but after the 2nd the weather became fine and warm generally except for patches of coastal fog and a few thundery outbreaks in the west. The highest temperatures of the year so far were attained in a number of places and at Glasgow Airport a maximum temperature of 29.2°C (84.6°F) which occurred on the 7th is probably the highest July temperature recorded in the Glasgow area since 1868. By the 8th, many southern and eastern districts had become cloudy and cool but it remained hot and sunny in the north and west. Southern and southwestern districts of England and Wales had outbreaks of thundery rain from the 11th to the 13th and heavy thunderstorms occurred over central southern England on the morning of the 12th. During the 24 hours ending at 0900 GMT on the 12th a total of 78.5mm (3.09ins) of rain was recorded at Weymouth (Dorset). Between the 13th and 15th it became rather cool generally with a little rain here and there. A ground frost occurred in several places during the night of the 14th/15th and as far south as Kew Observatory (Surrey) and Filton (Bristol). During the remaining half of the month it was often cloudy and rather cool generally. Rainfall was sparse although there were a few scattered outbreaks of heavy rain or thunderstorms. Towards the end of the month a few places in the south and east had a ground frost overnight. In contrast to the rather cloudy weather which had prevailed since the 15th, many districts away from the extreme west and north had long sunny periods on the 30th and 31st.

Mean temperatures in most districts were within about 1°C of average. In eastern and northeastern England they were below average but parts of Northern Ireland, and some western districts of Scotland, England and Wales were warmer than average.

In spite of a few outbreaks of heavy rain, July rainfall totals were below average everywhere except Weymouth where the heavy thunderstorm of the 12th contributed most of the monthly total. Southern Scotland, the west of Northern Ireland, Wales and much of England had less than half of the monthly average and at Birmingham Airport and Stansted Airport (Essex) recorded totals were less than 10 per cent of average.

Sunshine was near or rather below normal in much of northern Scotland, northeast and east England and in many places on the coasts of south and southeast England. Elsewhere sunshine was above average, particularly in northwest England, southern Scotland and Northern Ireland where percentages were between 120 and 150 per cent of normal.

PLACE	TEMPERATURE										SUNSHINE										RAINFALL											
																Highest and lowest totals on record for month										Highest and lowest totals on record for month								
	Mean maximum °C	Difference from average	Mean minimum °C	Difference from average	Highest maximum °C	Date	Lowest minimum °C	Date	No. of days with grass minimum below 0° C	No. of air frosts	Days of no sunshine	Maximum duration hrs.	Date	Total for month hrs.	% of average	First year of record	Highest hrs.	Year	Lowest hrs.	Year	Days of no rainfall (0·1 mm. or less)	Maximum fall in 24 hrs. (Beginning 09 h.) mm.	Date	Total for month mm.	% of average	First year of record	Highest mm.	Year	Lowest mm.	Year	Days with thunder	Days with snow or rain and snow	Days with fog (Vis. < 200 metres at 09 h.)
Kew Thorney Island	21.5	+0.1	12.4	-0.3	27.6	06	06.5	15	01	00	01	15.0	02	223	113	1880	334	1911	103	1888	25	05	17	011	019	1866	151	1956	04	1921	00	00	00
Cardington	21.1	-0.4	10.5	-0.5	27.0	03	02.5	15	02	00	02	14.8	03	204	111	1949	264	1959	093	1965	27	03	20	006	012	1947	125	1950	05	1955	00	00	00
Boscombe Down	20.8	-0.1	11.1	-0.2	26.6	06	07.2	(a)	00	00	01	15.3	07	228	118	1933	291	1971	111	1944	24	06	25	018	038	1931	144	1939	11	1952	00	00	00
Rhoose	20.4	0.0	11.8	-0.5	27.0	07	05.9	15	00	00	03	14.4	(a)	214	113	1954	319	1955	131	1965	24	04	12	013**	017	1954	168	1965	13	1955	02	00	00
Mount Batten	19.8	+0.8	13.4	+0.7	26.8	07	09.5	(b)	00	00	02	14.9	03	223	108	1921	320	1971	114	1944	20	11	08	042	060	1921	152	1936	07	1034	04	00	01
Elmdon	20.3	-0.2	11.1	-0.1	26.0	07	03.0	15	01	00	03	14.4	05	187	106	1945	266	1955	115	1965	27	01	17	004*	007	1941	100	1941	12	1976	00	00	00
Valley	19.3	+1.2	12.7	+0.7	27.4	07	08.2	28	00	00	02	15.0	07	222	119	1946	341	1955	128	1954	19	09	17	021	034	1941	114	1957	13	1969	00	00	00
Ringway	19.6	0.0	12.1	+0.4	28.3	07	07.1	15	00	00	03	15.5	06	197	127	1945	280	1955	102	1954	21	16	24	037	049	1942	187	1973	19	1955	00	00	00
Watnall	19.8	-0.4	11.3	0.0	26.3	04	06.1	15	00	00	03	15.1	05	168	103	1948	251	1976	087	1965	23	08	25	017**	027	1942	148	1973	17	1951	00	00	00
Finningley	20.5	-0.4	11.1	-0.7	27.0	04	06.0	15	00	00	02	15.1	(b)	173	104	1958	259	1976	097	1968	24	08	25	013*	024	1958	150	1968	19	1976	00	00	00
Tynemouth	16.3	-1.1	11.6	-0.4	22.5	03	07.4	15	00	00	04	14.8	07	133	081	1937	256	1976	086	1944	18	06	26	017	029	1864	112	1968	11	(a)	00	00	02
Eskdalemuir	18.5	+1.1	09.3	+0.5	28.6	07	03.5	17	00	00	03	16.1	11	197	142	1911	257	1955	075	1931	19	11	17	049	043	1911	243	1953	25	1913	02	00	00
Abbotsinch	20.7	+2.1	11.0	+0.2	29.2*	07	05.3	27	00	00	01	15.3	07	225	141	1921	291	1955	086	1931	20	17	22	045	060	1921	144	1950	29	1966	00	00	00
Leuchars	18.3	-0.1	10.2	-0.3	23.6	(c)	05.1	27	00	00	01	15.0	06	203	111	1922	262	1955	091	1931	23	11	17	030	045	1922	181	1940	17	1928	00	00	01
Dyce	18.0	+0.5	09.9	+0.3	24.9	06	03.3	19	01	00	01	15.5	(c)	166	108	1941	263	1955	078	1968	20	14	19	058	073	1941	198	1957	15	1976	01	00	00
Stornoway	15.3	-0.4	10.3	+0.2	21.2	05	06.5	01	00	00	03	14.9	04	150	114	1880	227	1917	057	1939	15	12	19	051	068	1943	136	1961	14	1955	00	00	00
Aldergrove	19.8	+1.7	11.5	+0.8	28.0	07	07.2	29	00	00	00	16.0	11	191	139	1927	274	1955	086	1954	14	13	27	050	062	1927	155	1950	27	1935	01	00	00

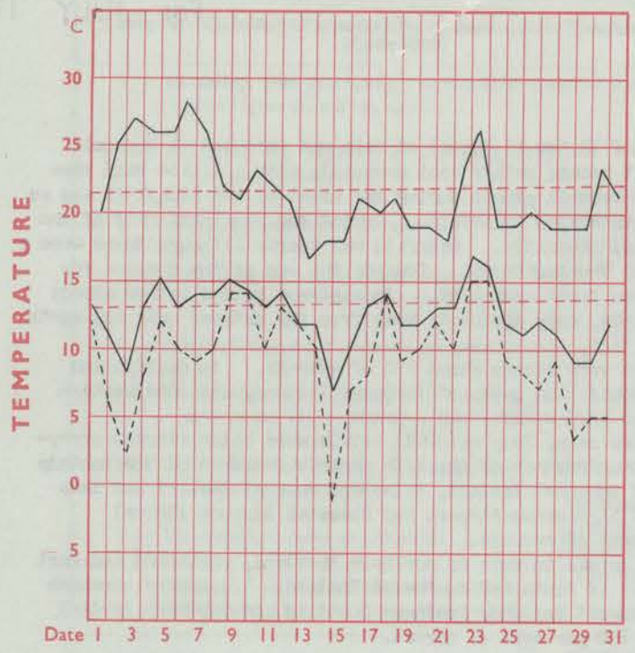
(a) 15, 16 (b) 15, 16 (c) 30, 31
* New highest

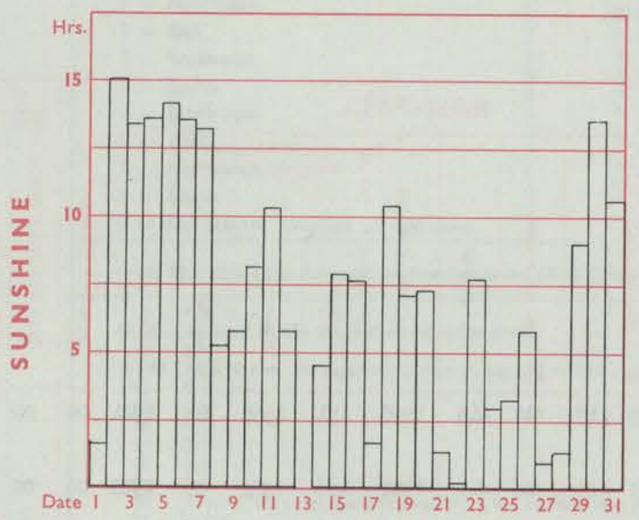
(a) 03, 15
(b) 05, 07
(c) 04, 05

(a) 1868, 1870
* New lowest
** Equal lowest

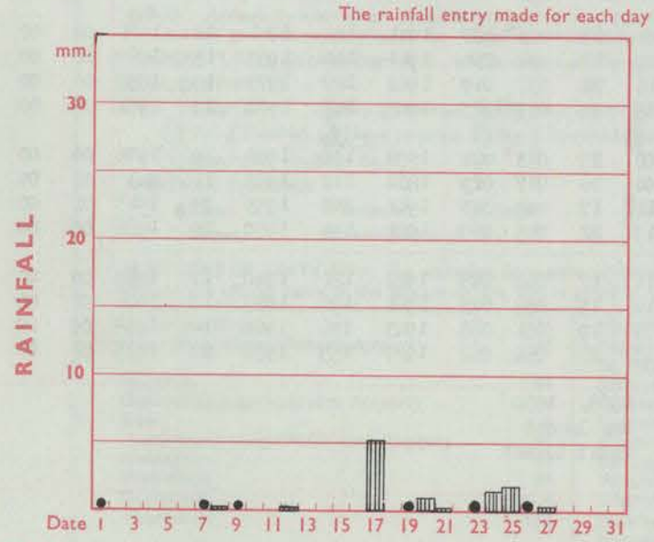
Correction to MONTHLY SUMMARY No.258 for JUNE 1977
VALLEY:- Mean minimum difference from average should read -1.0

LONDON (Kew)



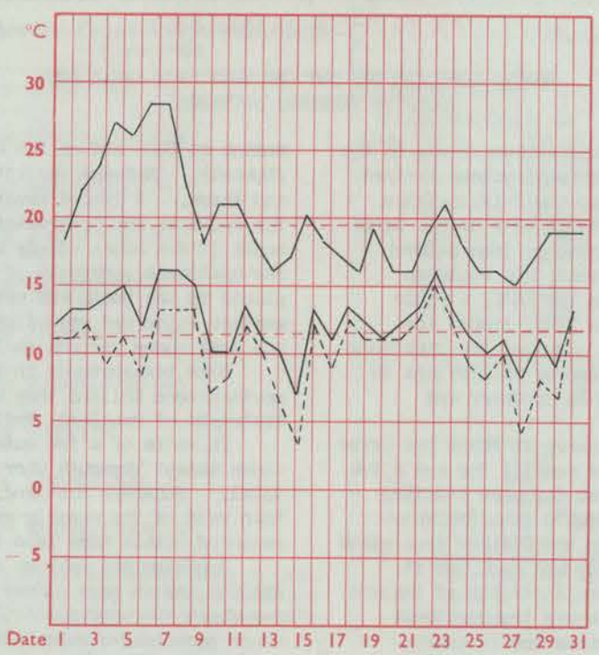


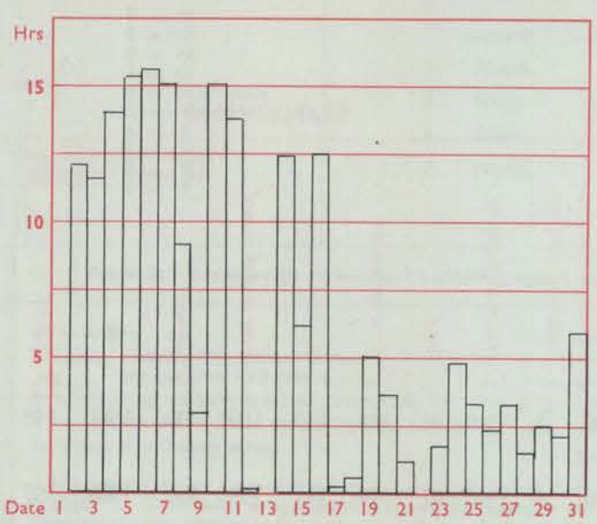
Total for month 223 — 30-year (1941-1970) average 197 hrs.



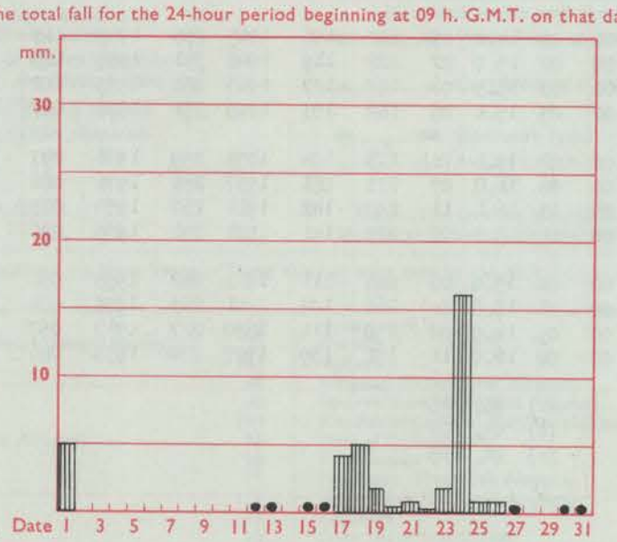
Total for month 11 — 30-year (1941-1970) average 58 mm.

MANCHESTER (Ringway)



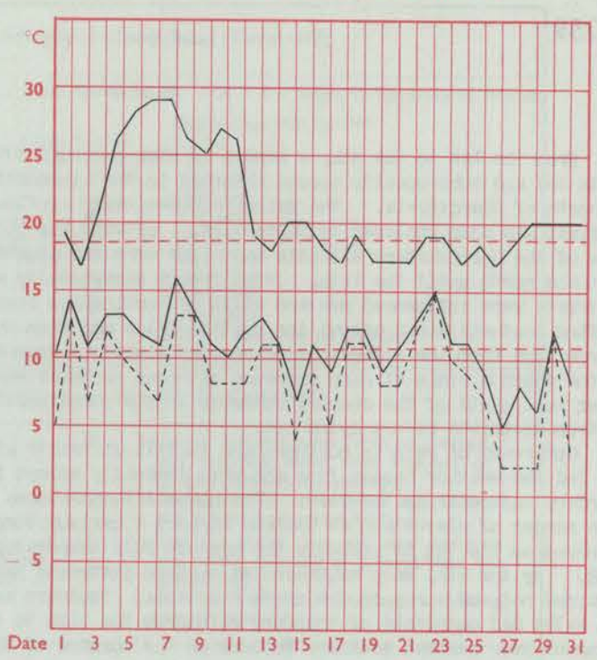


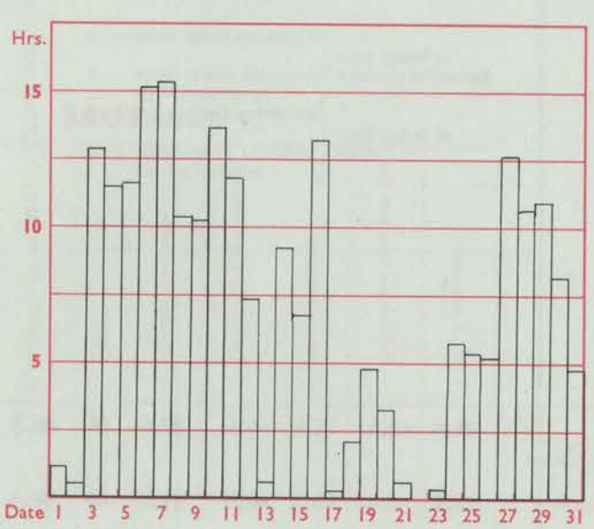
Total for month 197 — 30-year (1941-1970) average 155 hrs.



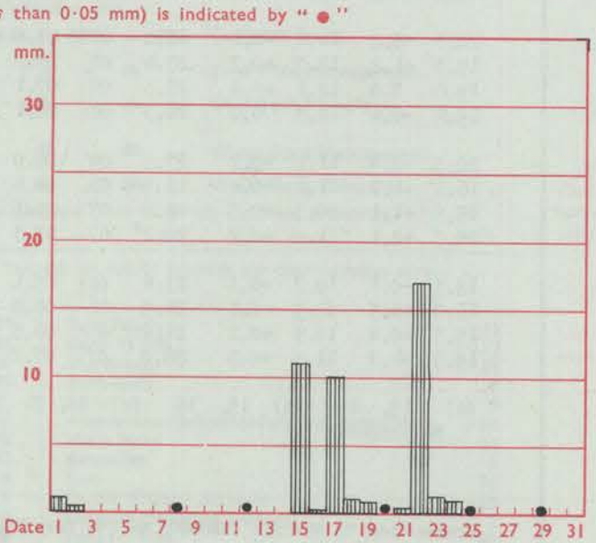
Total for month 37 — 30-year (1941-1970) average 76 mm.

GLASGOW (Abbotsinch)





Total for month 225 — 30-year (1941-1970) average 159 hrs.



Total for month 45 — 30-year (1941-1970) average 75 mm.

Maximum temperatures read at 21 h. G.M.T. daily, and minimum temperatures, read at 09 h. G.M.T. daily, are shown in full lines.
Grass minimum temperatures, read at 09 h. G.M.T. daily, are shown by a pecked line. Pecked lines in red show normal values. (1941-1970)
Normals for Kew are based on North Wall readings and may not be absolutely comparable with the daily values plotted above which are obtained from psychrometer measurements.

The rainfall entry made for each day represents the total fall for the 24-hour period beginning at 09 h. G.M.T. on that day. Trace (less than 0·05 mm) is indicated by " • "

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 10c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

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DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42225

Date of Issue FRIDAY 1 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 30 JUNE 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
Boscombe Down	746	62610	82022	19518	58541	11400	84825	83077	
Hurn	862	62708	81011	20318	68508	12400	84822	86635	
Manston	797	52411	78021	18420	52502	12801	85828		
Gatwick	776	72514	75021	19518	746//	11104	83832	83645	85657
Kew	775	62710	68031	19119	42631	11101	84830	86365	
Heathrow	772	52612	68011	19119	34671	10205	82833	83365	
Honington	586	62313	81031	17019	42631	09400	84830	84075	
Wattisham	590								
Gorleston	497	62315	60032	16919	22570	10400	82825	86360	
Aberporth	502	72623	70022	18215	18538	11801	81820	87272	
Filton	628	62516	75031	19318	48531	11103	83820	83075	
Rhoose	715	72619	66012	19816	66331	13004	81709	86712	
Hartland Point	703	72725	64022	20815	782//	13601	84705	83825	87640
Mount Batten	827	72513	82022	22116	42408	12302	84818	85275	
St. Mawgan	817	62519	70022	22116	38346	12500	81707	83812	85275
Scilly	804	62413	62021	23916	48502	14400	84820		
Culdrose	809	72514	75031	22715	41504	13303	84820	87075	
Guernsey	894	62616	70012	24415	31302	12313	83706	84075	
Elmdon	534	72615	75022	17516	785//	11102	86820	83630	
Cardington	559	72612	65021	18019	626/1	14302	86830		
Wittering	462	72415	80021	17117	785//	11202	84826	87650	
Watnall	354	72413	78031	16416	784/8	11203	85817	85640	
Shawbury	414	72515	75212	16516	654/8	11000	82616	86620	87270
Finningley	360	72414	75022	15217	785//	11500	83822	86630	
Spurn Point	396	82514	70031	15317	4552/	11000	84625	88460	
Leeming	257	82114	80035	13115	854//	11602	83615	88620	
Tynemouth	262	72517	69022	10718	3167/	10609	83830	87360	
Carlisle	222	82513	70206	10815	7547/	13501	82712	85617	88465
Valley	302	82117	68022	15814	855//	11202	88620		
Ringway	334	72216	75016	15316	785//	11000	85822	87650	
Squires Gate	318	72322	80016	14315	6847/	13702	81818	86635	87359
Ronaldsway	204	82220	60605	12813	853//	12701	81709	87713	88617
Mull of Galloway	131	82420	85258	11213	6552/	12305	86625	88460	
Eskdalemuir	162	72315	62258	09213	53403	10503	81918	83820	86070
Prestwick	135	72718	82028	09715	38472	10308	81816	83645	85365
Abbotsinch	140	42520	84018	08017	21502	06000	82828		
Leuchars	171	52520	82018	05816	32532	08810	83820	83364	
Dyce	091	52312	89036	04116	42608	06806	84832		
Lerwick	005	72313	82036	02012	58402	08705	84815	86070	
Wick	075	72512	80258	01813	58432	07710	83818	84640	
Sule Skerry	010	61827	74258	00211	684//	09714	84815	86625	
Cape Wrath	049	82418	64818	99109	884//	07821	85812	88620	
Stornoway	026	62622	68808	00010	693//	08511	81708	85918	
Benbecula	022	72326	70258	02714	784//	09500	84817	87640	
Tiree	100	42524	70258	06314	38430	09000	81818		
Aldergrove	917	82609	60616	11014	5532/	13303	83708	85614	88458
Malin	980	72422	75038	09214	2647/	10301	82714	87460	
Belmullet	976	82320	57615	11813	863//	12701	85708	88715	
Birr	965	82412	60616	15413	7632/	12602	87709	88458	
Dublin	969	82516	62605	13915	6647/	12304	85713	84630	88459
Shannon	962	82518	74605	15916	7547/	11502	82713	83620	85645
Roches Point	952	82121	70606	18114	7737/	10703	87709	88458	
Valentia	953	82219	65616	17714	864//	13705	88714		

OBSERVATIONS at 18h. 30 JUNE 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
746	82710	82028	20215	58537	10102	82826	84650	88270
862	82513	72032	21116	3867/	12204	81830	83650	85359
797	52214	69022	18618	38535	12301	81825	83275	
776	72810	80028	19618	54558	10302	83825	83645	87278
775	72408	80022	19418	22652	08303	82835	84365	87072
772	72515	80021	19318	24638	10305	82640	87275	
586	72209	65252	17417	68632	10302	82830	85645	87075
590								
497	62413	66022	16820	45501	11400	84625	86075	
502	82520	70808	17613	6857/	10803	84820	88462	
628	72618	75032	19415	58478	12801	82710	84630	85460
715	82619	65608	19215	4847/	12610	81710	84630	88462
703	82728	64022	20214	852//	13706	85705	88635	
827	82515	70022	22314	6847/	13602	81710	84640	88465
817	82417	65602	22114	57377	12603	81706	85707	86460
804	82416	60606	22914	8062/	14712	88535		
809	82514	60052	22714	5632/	13603	85708	88460	
894	72415	70032	24414	11508	11603	81820	87275	
534	72417	70028	16817	2857/	09803	81825	87462	
559	72716	66028	17818	5863/	12301	84830	83650	85360
462	82515	78032	16717	846//	10501	82630	88650	
354	72211	70016	15816	38571	10805	82828	86362	
414	82518	81032	15915	5857/	11604	83828	84640	87363
360	72315	75032	14716	785/8	11802	82824	87635	87275
396	82418	70022	14717	4856/	11806	84825	84630	88360
257	72419	66028	12416	32541	11803	83828	85365	87075
262	82510	62028	10117	3567/	11806	83630	88358	
222	82412	66216	10414	6537/	12503	83709	86618	
302	82220	61626	14913	6562/	11608	86632	88558	
334	82212	65028	15015	6847/	11706	81818	86640	88458
318	82318	70216	13814	3847/	13808	81818	83630	86359
204	82318	70606	12313	5542/	11708	81712	84657	88463
131	82325	74216	10112	3547/	11711	83615	84360	88465
162	82218	50818	08812	884//	11505	83712	87818	
135	82413	61616	09312	6522/	11706	81704	83707	86618
140	72714	62606	08313	6542/	06301	81715	83622	85630
171	32419	82021	05517	38540	07705	82825		
091	42414	86011	03716	41602	03500	84835		
005	72012	82018	00011	58472	09712	82815	83645	86070
075	62720	75158	00513	38462	07509	82818	84359	
010	72326	74808	97311	785//	09717	85820	87625	
049	82424	70818	98110	884//	07812	88812		
026	22824	80018	01913	22400	09317	82818		
022	52523	75018	04712	58400	10311	81816	84635	
100	32618	66011	07414	38402	11204	82818		
917	82414	58616	10114	5827/	12707	81703	84815	88460
980	82713	56536	09412	862//	12202	85703	87708	
976	82013	45586	08114	862//	13729	85705	88710	
965	82112	58615	12213	7732/	13825	85706	86712	88458
969	82112	62616	12713	6642/	11811	85710	83625	88540
962	82317	40586	12714	863//	13723	83707	86710	88716
952	82119	62616	16513	873//	12614	88708		
953	82223	58636	14914	863//	13617	88707		

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97190	076	+	pr.
862	00200	063	+	+
797	00220	075	+	+
776	97210	062	+	pr.
775	00210	090	+	+
772	00210	081	+	+
586	97210	069	pr.	pr.
590				
497		060		
502	01161	023	+	pr.r.rr
628	93181	040	+	pr.ddrd.r.
715	94170	024	+	pr.r.rr.
703	97151	010		
827	97170	059	+	ir.
817	97171	056	+	r.
804	92170	079	+	ir.
809	97160	061	+	ir.
894	00161	084	+	+
534	92191	067	pr.	r.r
559	97200	069	+	pr.
462	00191	071	+	+
354	97180	042	r.	r.
414	97180	017	d.r.	r.
360	00190	030	+	+
396			pr.	+
257	97170	010	d.pr.	pr.
262	02191	021	+	prpR
222	03161	000	r.d.r.rr.r.	rr.r.rr.
302	03152	006	ir.	rrr.r.ir.
334	97170	001	pr.	r.r.
318	93171	001	r.r.	d.rr.r.
204	01141	000	d.r.rr.r.	r.r.ir.
131	03131			
162	13151	006	ir.pr.pR	pr.pRpr
135	04161	021	pr.r.r.	r.r.rr
140	95180	048	id.r.	ir.d.r.
171	00190	110	jp	+
091	00191	104	+	+
005	94131	030	pr.	pr.
075	02141	095	pr.pr	pr.
010	04122			
049	06122	019	prpr.	prpr.
026	03141	091	pr.pr	pr.
022	95151	091	pr.	pr.
100	91161	099	pr.	+
917	04161	000	r.r.rr.r.	r.r.rpr.
980	0115	017		
976	0914	000		
965	0314	000		
969	0415	000		
962	0414	000		
952	9416	014		
953	1315	045		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

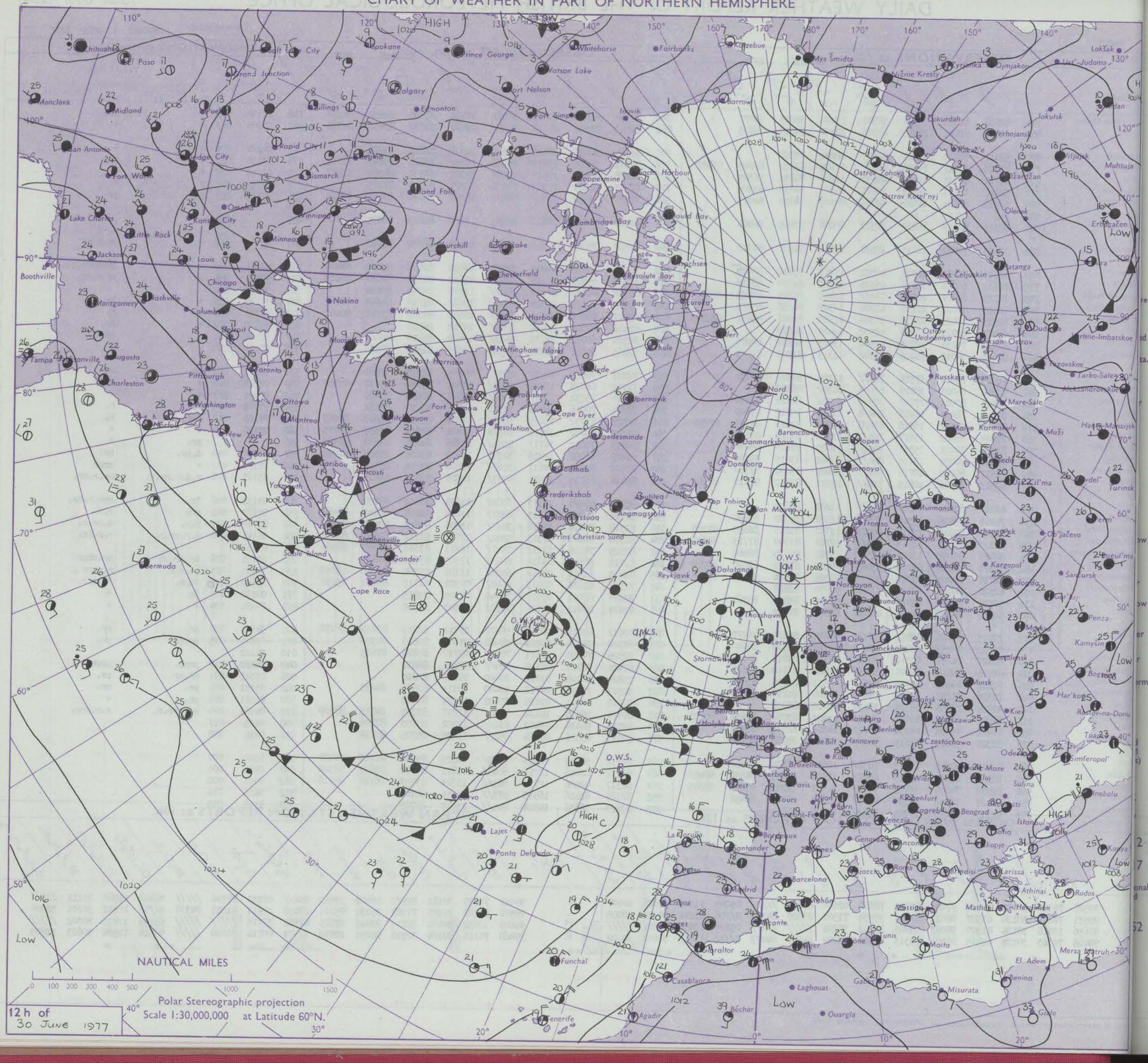
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30121	72616	97028	93511	78500	00604	87620	/////	05009	11142	30806	20007
L	99571	70207	30124	63507	98012	07111	38534	71301	81820	84360	0//06	11212	30302	30008
M	99656	10016	30124	41309	98022	08809	22562	32202	/////	/////	05105	10984	30201	/////
R	99468	70163	30124	62415	98021	25315	42502	72802	84820	84073	0//12	11598	30602	32802

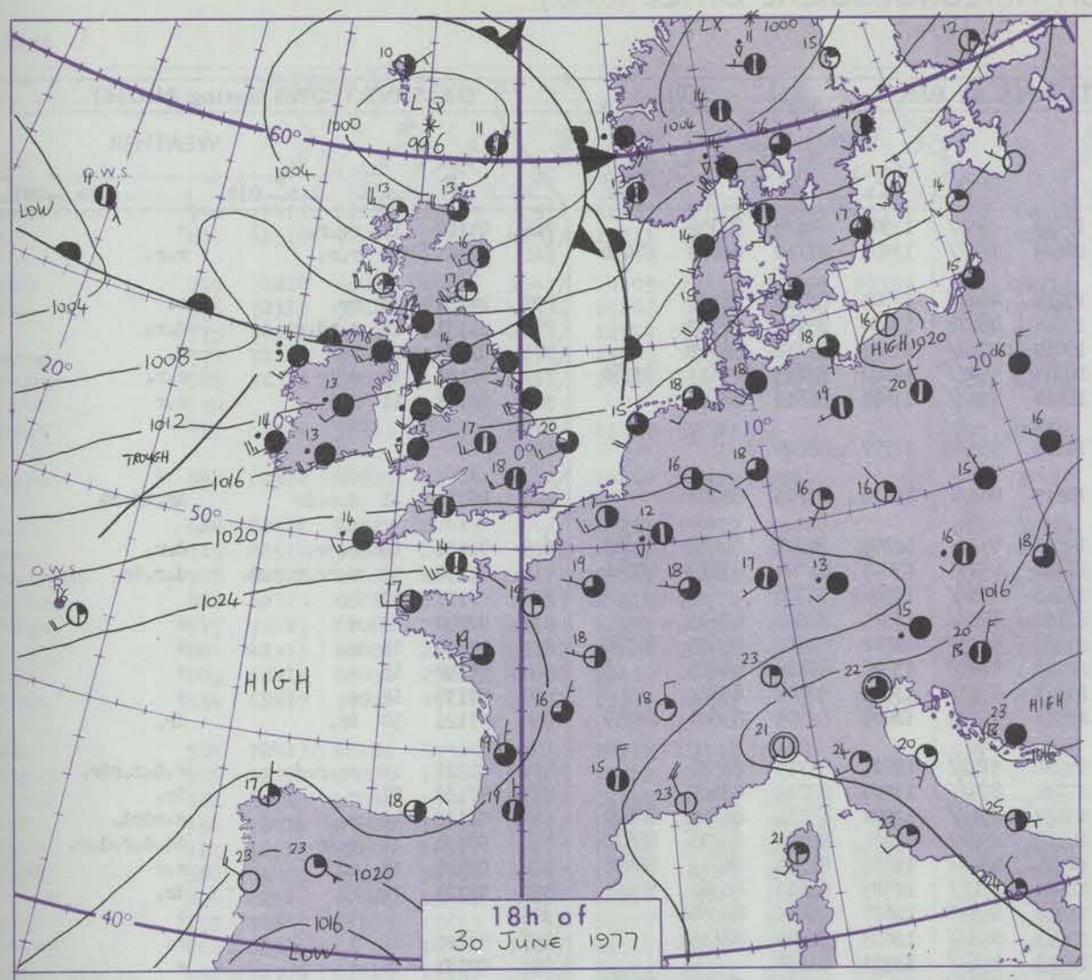
OCEAN WEATHER STATION REPORTS at 18h.

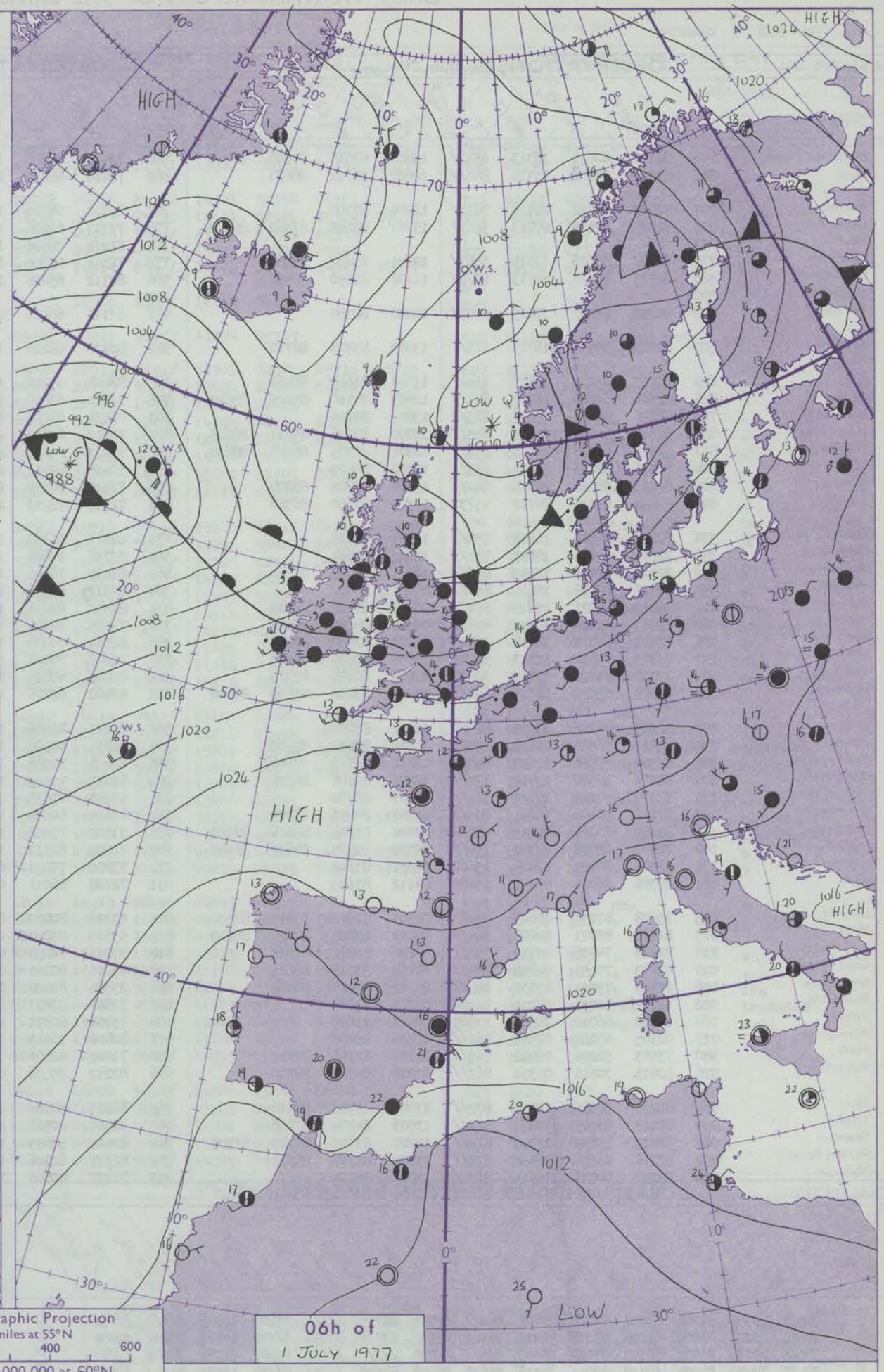
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30181	82922	96808	93510	834//	00210	87716	/////	05108	11060	31211	/////
L	99570	70207	30184	71107	98032	05911	28436	00811	81818	84360	0//06	11212	30201	32906
M	99649	10032	30184	50712	98021	07009	42502	32715	/////	/////	05205	11033	30302	/////
R	99468	70166	30184	32318	98031	22816	12501	00714	81820	/////	0//14	11584	30603	32803

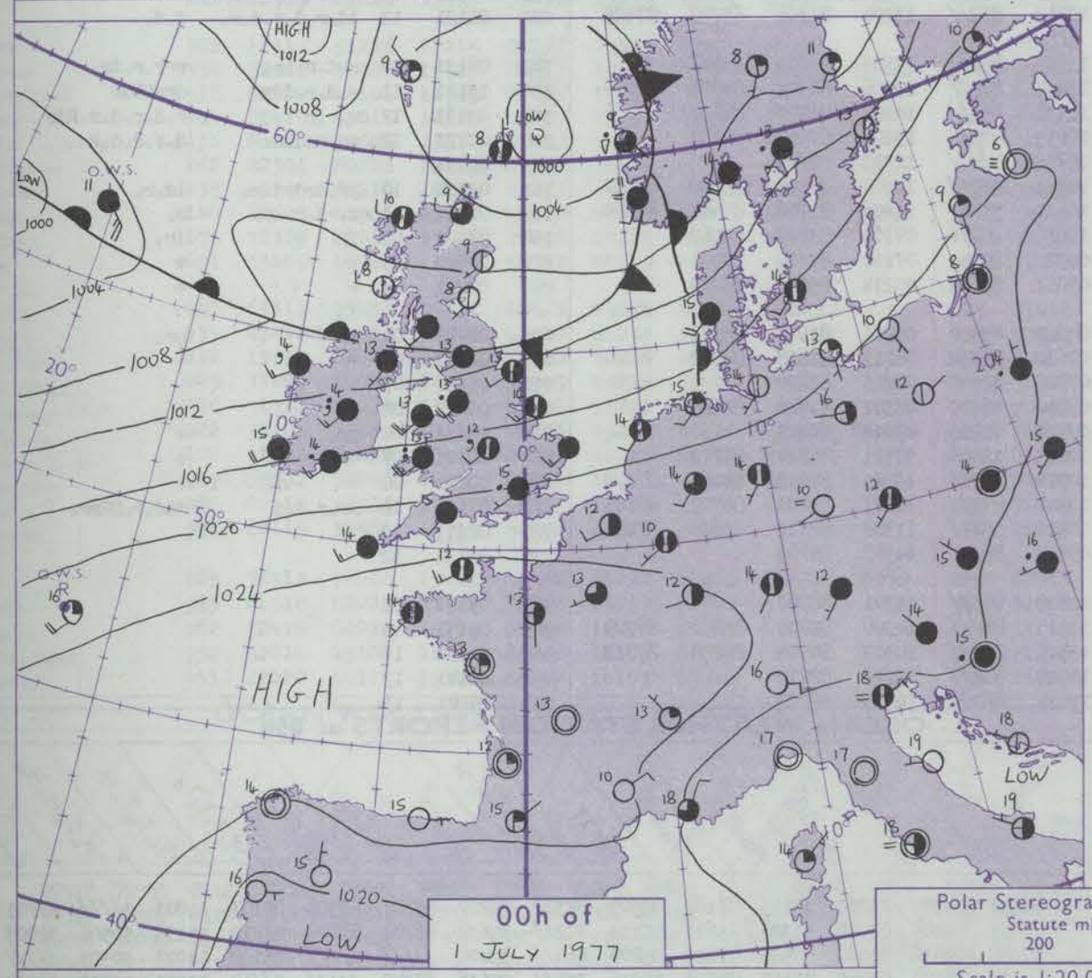
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday FRIDAY 1 JULY 1977

During the past 24 hours a depression became slow-moving to the north of Scotland whilst the associated frontal system moved southeastwards to become almost stationary over northern England and northern Ireland. Meanwhile minor troughs moved eastwards in the westsouthwesterly airstream over southern districts. During the next 24 hours the depression to the north of Scotland is expected to move away eastwards whilst another low in mid-atlantic moves slowly northeast moving the front over Northern Ireland and northern England northeastwards across Scotland and establishing a southwesterly airstream over all parts of the British Isles.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V **OBSERVATIONS at 00h.** 1 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82111	60632	20313	6542/	12803	83618	84640	88460
Hurn	862	82311	64608	21314	854//	12802	86712	88650	
Manston	797	72312	66022	20114	7097/	12004	87360		
Gatwick	776	82309	62608	20713	35677	13201	83645	87362	88272
Kew	775								
Heathrow	772	82307	68606	19915	3567/	12201	83632	88362	
Honington	586	82215	57628	17913	2572/	11102	82650	88557	
Wattisham	590								
Gorleston	497	82214	66022	17415	8097/	10400	88360		
Aberporth	502	82323	50588	16713	873//	13809	83708	88710	
Filton	628	82513	65018	18813	1542/	11807	81615	88462	
Rhoose	715	82516	64616	19013	854//	12803	81710	85625	88645
Hartland Point	703	82728	64606	19513	873//	13803	88706		
Mount Batten	827	82514	60056	22214	853//	13000	83706	85711	88625
St. Mawgan	817	82416	65026	21714	852//	12801	82705	86707	88650
Scilly	804	82416	62026	22814	855//	13802	88625		
Culdrose	809	82413	58056	22414	862//	13000	83705	88709	
Guernsey	894	72414	81216	24712	15732	11301	81650	86360	
Elmdon	534	72208	66506	16912	754//	11804	87618		
Cardington	559	72616	62216	18613	756//	12101	87644		
Wittering	462	82414	82026	17013	856//	10701	85638	88650	
Watnall	354	82313	65036	15612	854//	09807	88617		
Shawbury	414	82112	75026	15113	854//	10810	82612	88614	
Finningley	360	72211	81022	14313	4577/	09804	84656	87464	
Spurn Point	396	72313	80012	14914	25648	09101	82630	87275	
Leeming	257	72313	70032	12313	3554/	10803	83625	86365	
Tynemouth	262	72310	81022	11213	20934	10605	82358	87075	
Carlisle	222	82408	65026	10713	854//	12101	83712	85618	88640
Valley	302	82225	57216	13113	872//	11712	88705		
Ringway	334	81911	56586	14112	2552/	11810	82620	88545	
Squires Gate	318	82322	57616	12613	853//	13812	86707	88646	
Ronaldsway	204	82217	58586	11412	872//	12506	82705	88708	
Mull of Galloway	131	82319	57205	10111	872//	11803	88704		
Eskdalemuir	162	82207	50598	10211	873//	11107	84706	88709	
Prestwick	135	82309	70206	10011	852//	10002	81704	85616	87620
Abbotsinch	140	72407	68026	09312	754//	09104	82714	84632	86645
Leuchars	171	12306	80021	08408	15600	06214	81645		
Dyce	091	12306	86010	06409	15600	04112	81635		
Lerwick	005	73608	81258	00108	734//	08303	81912	83815	86630
Wick	075	62711	80021	04009	684//	08219	83818	84625	86640
Sule Skerry	010	72718	74038	03710	784//	09230	81815	87625	
Cape Wrath	049	82713	70158	04810	884//	07234	83812	88615	
Stornoway	026	72709	75011	07010	784//	09122	83818	86637	
Benbecula	022	12712	80021	08411	12400	09219	81818		
Tiree	100	12708	66010	09308	11505	08110	81825		
Aldergrove	917	82105	65028	09513	862//	12706	88705		
Malin	980	73503	56206	09412	763//	11001	83706	87712	
Belmullet	976	82413	30516	09314	862//	13208	85705	88710	
Birr	965	82215	32586	12514	872//	13005	87705	88710	
Dublin	969	82418	59615	10714	862//	13503	84704	87706	
Shannon	962	82413	25635	13714	872//	14207	83703	85705	87708
Roches Point	952	82216	56616	16614	873//	13304	85707	88711	
Valentia	953	82220	60026	15615	864//	14004	88714		

OBSERVATIONS at 06h. 1 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	72410	72026	19713	4557/	11301	84628	87358	
862	72414	66216	20614	754//	13501	81710	85612	87650
797	82214	64016	19214	4647/	12705	83710	88359	
776	72313	61026	19914	46478	13400	83711	87362	
775	82212	70606	19014	3742/	11703	82712	88462	
772	72311	65606	18914	3547/	12000	81713	83617	87360
586	82112	65026	16414	854//	11605	81616	88640	
590								
497	82115	60022	16214	855//	11707	88620		
502	82421	66216	16613	862//	13306	87705	88708	
628	82618	63026	19014	853//	12308	84709	86622	88645
715	72621	57606	17714	65231	13804	81704	83612	85640
703	82524	64026	19313	873//	13501	88706		
827	72512	65022	21714	753//	13301	84709	87625	
817	72413	65026	21214	5533/	12502	83707	85615	87360
804	52416	62011	22013	48470	13806	82818	84625	
809	72315	60052	21713	6833/	13503	82709	85622	
894	72515	72216	23813	45272	12605	82704	83640	86359
534	82411	61635	15514	5742/	12601	85715	88557	
559	82716	65606	17014	854//	13504	82715	88625	
462	82414	78606	15414	854//	12504	83711	86715	88620
354	82312	57586	14213	852//	12001	82704	86706	88613
414	82512	62636	14314	4542/	13304	81710	84613	88556
360	72215	80606	12514	2547/	12505	81618	86362	87465
396	82314	70016	13214	6557/	12607	86625	88360	
257	81607	70026	10913	853//	12603	81708	88615	
262	82006	69022	11013	856//	12303	88630		
222	82402	62206	10313	852//	13204	81705	83709	87625
302	82221	48606	13513	852//	12308	86703	88618	
334	82011	40596	13413	872//	13306	81704	85706	88710
318	82421	32586	12114	852//	14208	87703	88612	
204	82415	57606	10913	870//	13206	87701	88702	
131	93303	03435	10712	9////	12308	89/01		
162	82605	60036	10511	5537/	10208	83708	85630	88460
135	71502	75026	10612	5533/	11206	81706	85645	87360
140	72802	82032	10211	28476	09106	81818	85362	
171	73002	75021	09910	20941	07210	82364	87073	
091	72708	86031	09011	55634	05214	85640	85075	
005	53310	84012	04210	43430	09221	81912	83635	
075	53114	82012	07610	38430	08219	82818	84360	
010	33216	74028	07910	32500	09223	83820		
049	43211	80021	08810	48500	08321	81820	84625	
026	23304	82028	09710	12508	09212	81823		
022	72807	82031	10111	12406	09311	81817	87272	
100	73304	80031	10510	11476	10211	81818	84465	87270
917	80802	20515	10313	870//	12207	83701	86702	88705
980	71002	62606	10712	5547/	11308	82712	85630	87458
976	82212	35586	09514	862//	14303	88705		
965	82315	50506	12615	873//	14301	88707		
969	82414	40516	11515	862//	14206	82704	85706	87709
962	82412	58635	13515	872//	14303	84705	84708	87712
952	82317	62106	16014	864//	13202	88712		
953	82217	40606	15614	862//	14304	88703		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	01120	11	rr.r.	+
862	91141	13	r.r.	r.r.
797	94131	13	rr.	r.
776	01131	12	r.rd.r.	d.r.
775	01130	12	r.r	r.
772	01131	11	r.ir	r.r.
586	02131	11	r.r	r.r
590				
497				
502	06111	11	d.r.dr	ir.id.dd
628	92131	12	r.-r.	d.r.
715	01130	12	r.rr.r.d.r.	d.r.ir.
703	97131	13		
827	00140	13	+	+
817	97131	13	r.	+
804	00130	12	+	+
809	00130	12	+	+
894	97121	10	ir.	ir.
534	01121	11	rr.r.d.-r.	r.d.r.rir.
559	97120	07	r.	ir.
462	02121	12	r.	r.rdrd.
354	95121	11	r.ir.	dd.d.r.d.r.
414	03121	11	r.	r.r
360	92121	11	r.	ir.
396		+		+
257	91121	11	+	r.
262	00131	11	+	+
222	01121	12	id.r.d.r.d.r.	d.d.
302	06121	12	rrd.r.ir.	rrr.r.ir.
334	13121	11	r.d.r.ddr	drrDRdr
318	04131	12	r.r.r	r.d.r.d.r.Rdr
204	07121	12	rr.r.d.r.	d.r.d.d.R
131	04111			
162	02111	10	pr.drdrd.r.	id.r.
135	91111	11	d.-d.r.-r.	r.
140	97101	05	jp	ir.
171	00070	05	+	+
091	00081	03	+	+
005	01071	06	pr.	pr.
075	00091	07	+	+
010	01081	07		
049	00071	08	+	+
026	94071	04	pr.	+
022	00101	07	+	+
100	00070	04	+	+
917	07121	12	pr.r.d.d	ddd.r.DRrr.
980	02111	10		
976	08131	12		
965	03151	13		
969	03131	12		
962	18130	11		
952	01141	13		
953	09141	13		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	01001	83012	97078	01009	864//	00236	88715	/////	05108	11025	3////	///12
L	99570	70207	01004	81226	97216	02411	3742/	00822	83715	88550	0//09	11215	30404	32806
M	99646	10034	01004	80513	97022	05809	855//	00709	/////	/////	05207	11034	30503	/////
R	99470	70170	01004	22118	98011	22116	25630	00805	81640	/////	0//14	11580	30603	31804

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	01061	83113	97168	03509	8732/	00220	85707	83508	05107	11003	3////	///11
L	99571	70209	01064	81328	95616	95111	872//	31637	86704	88708	0//12	11198	30506	32908
M	99645	10036	01064	80516	97022	05809	864//	32400	/////	/////	05108	11027	30503	/////
R	99470	70170	01064	72119	98021	19016	756//	00616	87640	/////	0//14	11571	30703	31904

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Brack

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42226

Date of Issue SATURDAY 2 JULY 1977

Code FM 11.V **OBSERVATIONS at 12h.** 1 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$
Boscombe Down	746	72411	82022	21017	68531	12310	82822	85645	85361
Hurn	862	62516	70016	22218	4153/	13311	84820	86365	
Manston	797	72218	66026	19818	3547/	14105	81616	83656	87362
Gatwick	776	72315	70022	21018	45532	14206	84620	87360	
Kew	775	72311	78026	20419	2857/	12304	81825	87360	
Heathrow	772	72112	75026	20220	2557/	13306	82624	87359	
Honington	586	72315	67026	17819	6543/	14308	83617	84650	85360
Wattisham	590								
Gorleston	497	82412	58216	17617	855//	13210	88625		
Aberporth	502	82522	40635	18714	5712/	14212	85702	88510	
Filton	628	82718	22522	20415	854//	14212	83712	88620	
Rhoose	715	82518	56506	20514	871//	14310	81702	86704	88705
Hartland Point	703	82328	22606	21413	871//	13317	88702		
Mount Batten	827	62316	68012	23516	28479	14212	81712	83360	85365
St. Mawgan	817	72417	82022	23217	2143/	12213	82812	86360	
Scilly	804	42313	62021	23917	28432	15210	81818	84075	
Culdrose	809	62416	68052	23216	38432	15210	81712	84360	
Guernsey	894	62417	74012	25516	15332	13209	81707	83364	85075
Elmdon	534	72413	68606	17517	754//	14314	82712	87616	
Cardington	559	72722	63026	18619	755//	15312	87620		
Wittering	462	82515	80036	17218	855//	14313	86620	88650	
Watnall	354	72412	65605	16017	753//	15213	82707	86709	87640
Shawbury	414	72515	82606	16417	7547/	15314	81712	85616	86650
Finningley	360	82409	65626	14917	6847/	15015	83816	85656	86360
Spurn Point	396	82610	60606	15316	854//	15214	85712	88630	
Leeming	257	72615	84216	13617	7543/	14317	81713	87617	
Tynemouth	262	83506	69606	14014	3567/	12311	83630	88458	
Carlisle	222	82905	63616	13716	5847/	13215	82711	83618	88460
Valley	302	82318	56216	16215	852//	13319	83704	88620	
Ringway	334	82212	58586	15816	853//	15215	83707	84615	88640
Squires Gate	318	82520	45606	14915	872//	15317	88703		
Ronaldsway	204	82415	61016	14115	852//	14220	85703	88622	
Mull of Galloway	131	80000	32606	13614	4722/	14315	84704	88460	
Eskdalemuir	162	82306	80216	13415	6857/	11315	82820	85640	88360
Prestwick	135	83105	64216	14015	854//	11221	81712	88645	
Abbotsinch	140	82606	80586	13814	4562/	09319	81630	84650	88458
Leuchars	171	72305	84022	13216	28638	07217	81830	85362	
Dyce	091	63409	86012	12516	58502	06219	84828		
Lerwick	005	63313	75258	09312	684/3	09225	82815	85628	
Wick	075	43412	84021	12614	42540	06232	84820		
Sule Skerry	010	13205	82020	13113	12500	10228	81820		
Cape Wrath	049	33207	80020	12913	32545	09218	83820		
Stornoway	026	51710	84021	13514	42538	11220	84820		
Benbecula	022	73106	85032	13213	48576	09214	81820	83826	86360
Tiree	100	71707	75022	13513	2847/	11113	81712	87460	
Aldergrove	917	82202	58206	12916	5622/	14214	81704	85706	88457
Malin	980	80913	58586	13012	5637/	11315	85707	88458	
Belmullet	976	82115	35586	12715	862//	14215	88704		
Birr	965	72513	70016	15419	664/2	15110	84718	83630	85070
Dublin	969	82518	82026	14717	863//	15217	81708	88710	
Shannon	962	72414	82036	15719	7853/	16206	81825	86645	
Roches Point	952	82014	45106	18216	862//	14107	88705		
Valentia	953	82020	60106	17116	864//	14103	88710		

OBSERVATIONS at 18h. 1 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$
746	82611	80022	21717	884//	13103	82814	83620	88640
862	72410	65012	22417	11531	13602	81820	85359	86075
797	72211	75022	20418	60982	14301	82358	85361	
776	72411	66022	21219	25532	15501	82620	85360	87075
775	72709	80602	20919	3557/	13302	83624	87359	
772	72613	70606	20619	4557/	15001	84622	87359	
586	82414	75016	19417	854//	13209	83616	84622	88640
590								
497	82408	60026	18918	856//	14211	88630		
502	72417	63026	20715	763//	13204	87707		
628	82714	68036	21715	853//	13303	82707	85710	88615
715	72714	64215	21715	783//	13004	82708	86612	87625
703	32520	62016	22115	18531	14601	81825		
827	52413	70012	23115	18471	14804	81819	85073	
817	32512	82011	22816	12472	12603	81812	83075	
804	32311	68021	23316	28430	15706	82818		
809	62310	64051	23215	65200	14502	83703	86612	
894	52912	75022	24615	00902	12610	85075		
534	72512	80026	19318	6543/	15210	81712	84617	86630
559	82714	62216	20117	854//	15305	83712	84617	88625
462	72512	78016	18917	5541/	15208	81713	85625	87465
354	82512	81026	18517	854//	14212	88615		
414	72619	80026	19017	5853/	15208	81820	85630	87360
360	82707	75018	17918	854//	15315	88616		
396	82712	66016	17717	854//	14215	81715	88625	
257	83602	58606	17815	853//	13225	82706	88616	
262	80000	66026	17913	3567/	11218	83630	88358	
222	82002	59586	16515	4747/	14215	83712	88459	
302	72015	32012	18415	752//	13107	86704	87620	
334	72308	60156	18217	754//	14210	81712	86618	87623
318	82515	50586	17715	852//	15210	86705	86615	88620
204	72414	68016	16815	754//	13210	81714	87645	
131	92408	02525	16313	9////	13207	89///		
162	82205	75028	16415	856//	13217	88635		
135	83205	58602	16214	7547/	13213	82618	85620	86630
140	82307	80036	15618	7567/	09311	83635	87656	
171	71608	82022	15917	18636	09215	81830	85363	87270
091	71008	84031	16814	11676	07224	81835	84470	87278
005	23412	82018	14913	22400	08223	82815		
075	50107	88031	16313	11505	08215	81820	85275	
010	60000	82031	16413	12506	09211	81820	86275	
049	70902	82031	15711	15506	08103	81625	87270	
026	70909	84021	15212	14578	10203	81622	84462	87272
022	71208	86032	14013	5567/	10101	83630	83650	87460
100	81512	82606	14413	4547/	11303	81715	84630	88465
917	82407	70205	15416	6527/	15208	82704	83708	86622
980	71702	84215	13816	2627/	15104	82704	87458	
976	71822	62106	12916	764//	14703	86716	86637	
965	62013	84012	16020	5853/	14502	83821	84641	
969	72606	84022	16221	785//	15305	82822	86638	
962	52112	82012	16219	48540	14801	83824		
952	71916	70032	18715	764//	13501	87712		
953	71817	70012	16717	724//	14807	87819		

OBSERVATIONS during DAY

iii	RRT×T×E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00190	015	+	+
862	00190	050	+	+
797	97210	020	r₀	+
776	00200	004	+	+
775	97200	017	+	ir₀
772	97210	013	+	r₀
586	92191	002	r₀	+
590				
497		000		
502	11161	003	ddd₀r₀drrr	+
628	91171	000	d₀dd₀ir₀	+
715	97160	000	d₀d₀id₀	id₀ir₀
703	02150	029		
827	00160	087	+	+
817	00181	089	+	+
804	00180	123	+	+
809	00170	088	+	+
894	00181	105	+	+
534	92191	004	r₀r₀ir₀	ir₀
559	91200	021	ir₀-r₀r₀	ir₀
462	93181	000	r₀r	+
354	97180	001	r₀	+
414	92181	016	r₀ir₀	+
360	01201	010	r₀d₀r₀r	pr₀
396	/////		ir₀	id₀d₀d₀
257	02181	000	rr₀r₀	ir₀
262	92161	000	ir₀	+
222	03181	000	r₀r₀-r₀	d₀r₀d₀r₀drdr
302	93151	001	ir₀	+
334	05181	000	d₀r₀drdr	+
318	05161	000	d₀r₀drRd₀d₀	d₀drd₀r₀
204	02161	000	RRr₀	r₀d₀r₀
131	01151			
162	01171	000	ir₀pr₀	ir₀
135	04171	008	r₀r₀	r₀r₀ir₀
140	01191	012	d₀r₀ir₀	ir₀d₀r₀id₀
171	00190	072	+	+
091	00180	094	+	+
005	97131	065	pr₀	+
075	00150	117	+	+
010	00140			
049	00131	129	+	+
026	00141	107	+	+
022	97151	035	+	ir₀
100	95141	003	ir₀	ir₀d₀d₀d
917	01181	003	d₀	d₀d₀
980	0517	001		
976	0416	007		
965	9620	042		
969	9421	003		
962	0220	036		
952	0117	015		
953	9718	021		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 12h.**

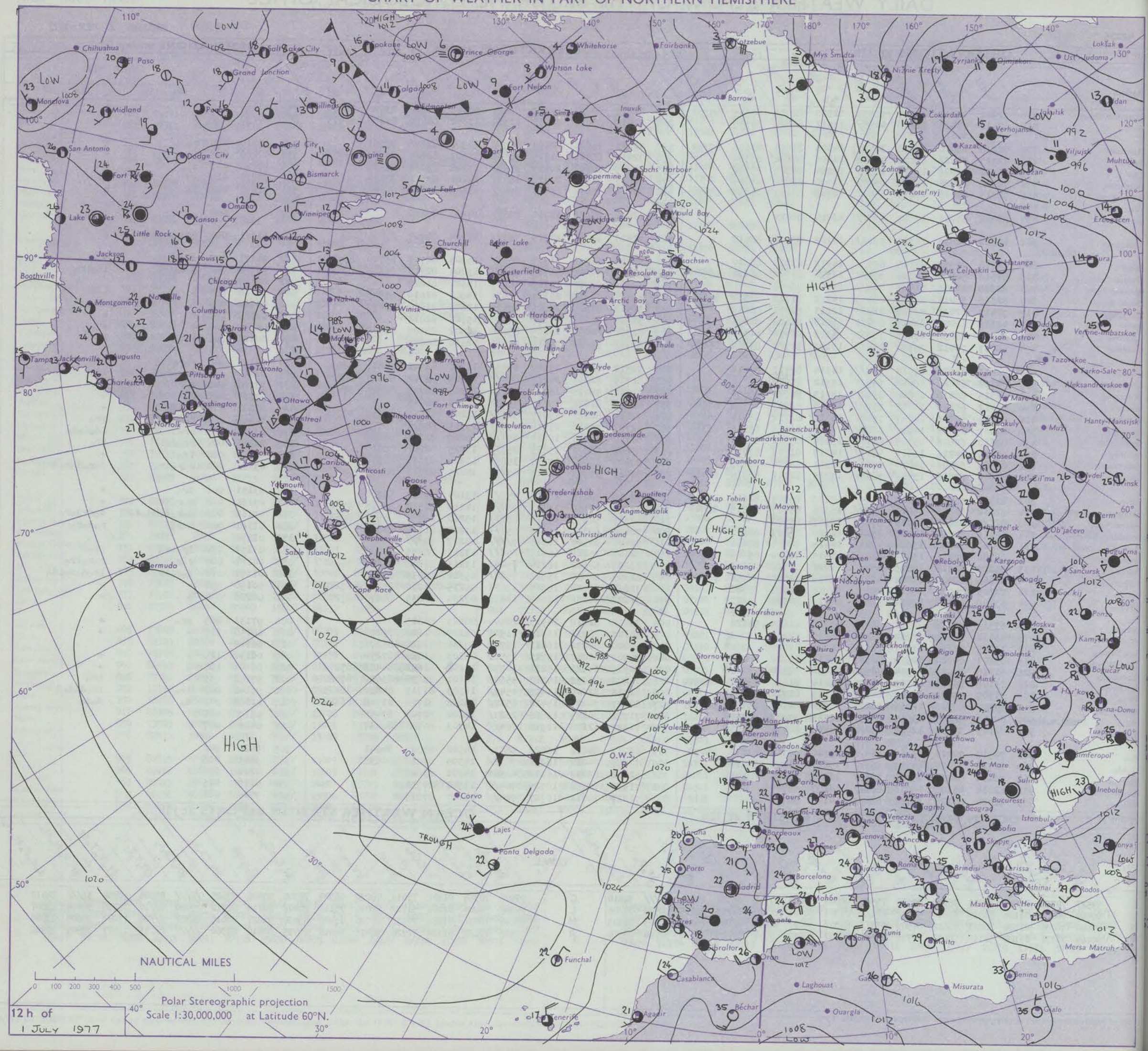
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$OT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	01121	72913	98022	05509	75500	00206	87624	/////	05107	10951	3////	34410
L	99569	70207	01124	81819	92616	94212	870//	21301	86701	88702	0//13	11215	30504	99/06
M	99644	10036	01124	80223	96612	07309	6537/	81317	84707	86620	0//09	11060	30403	01903
R	99469	70170	01124	32119	98030	17716	28500	00707	82827	/////	0//15	11596	30704	28904

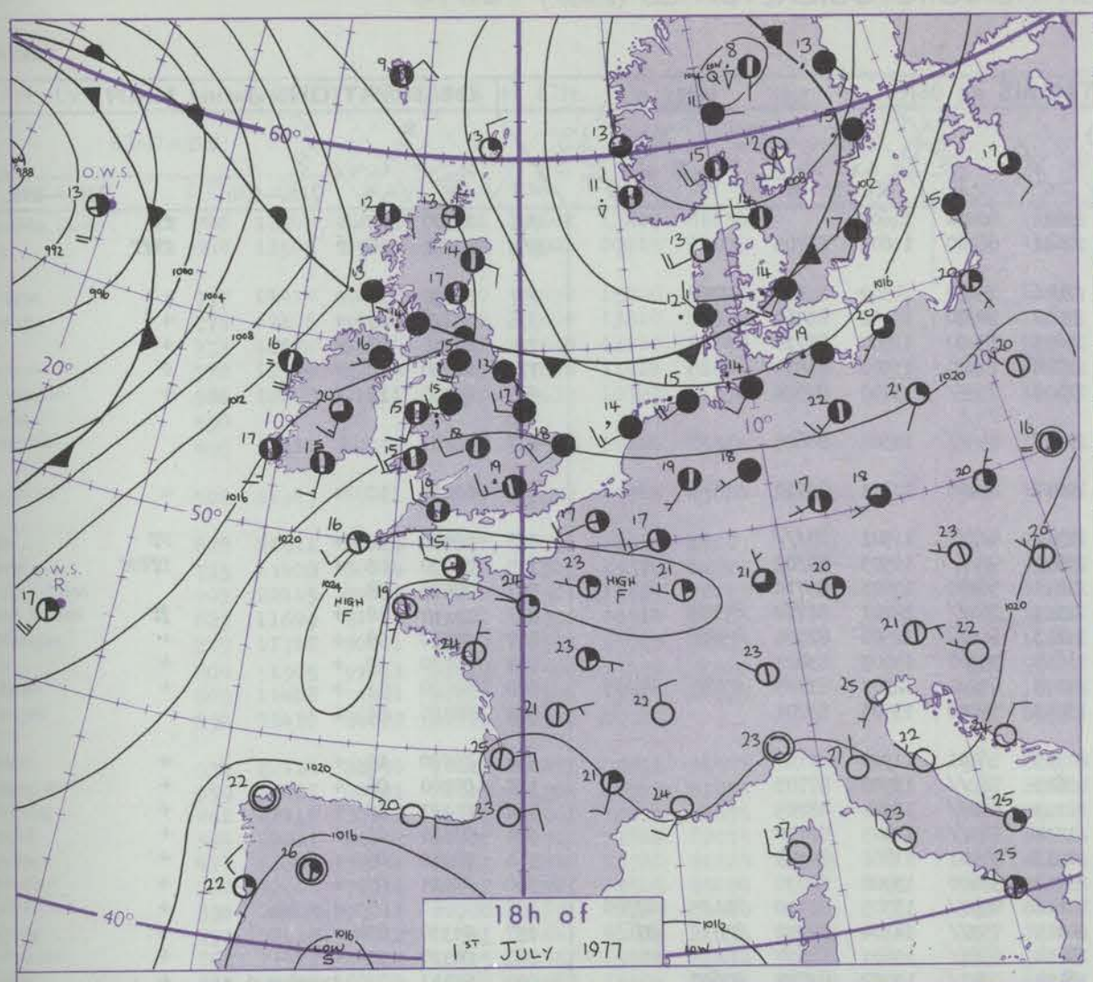
OCEAN WEATHER STATION REPORTS at 18h

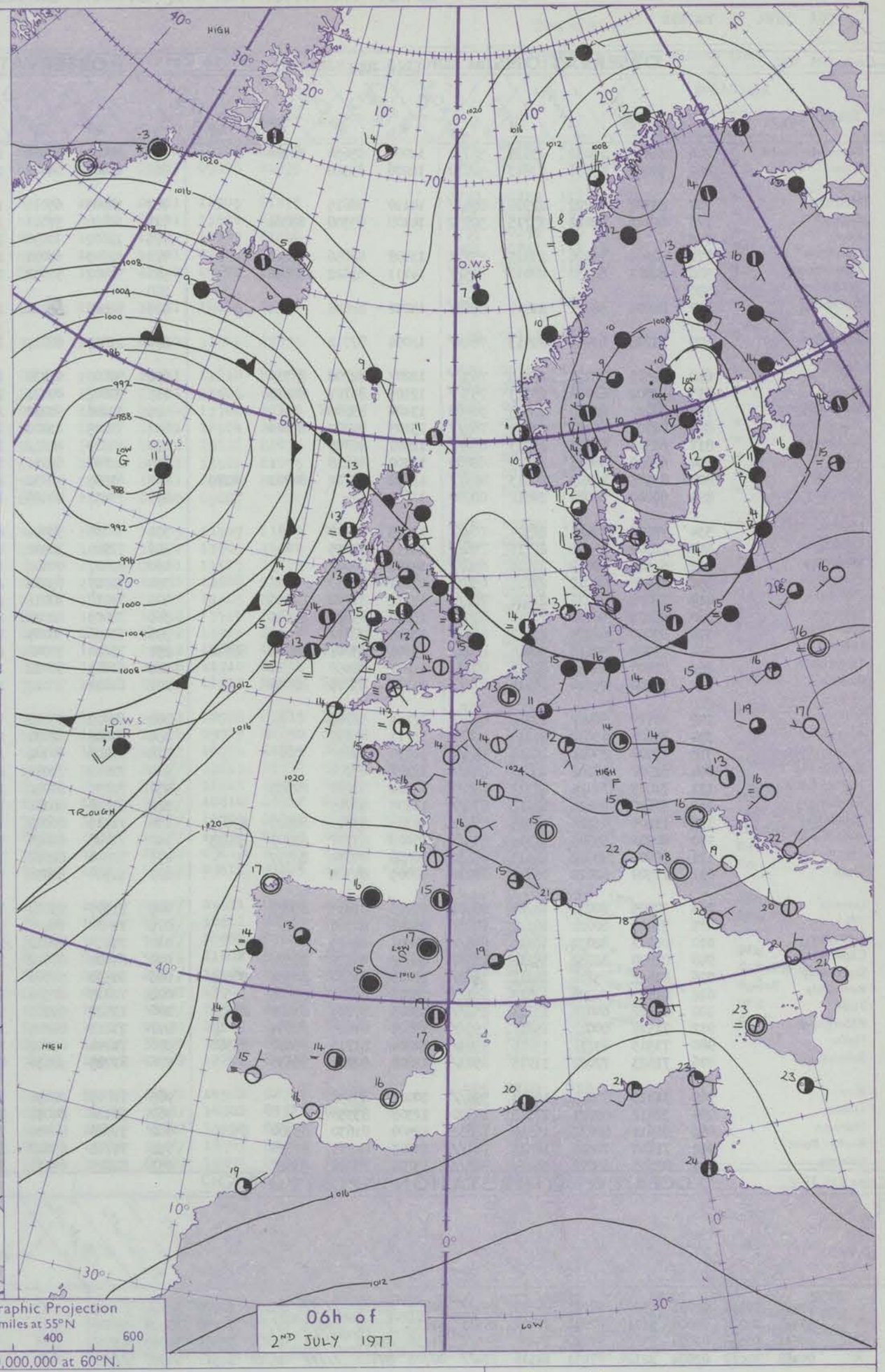
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$OT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	01181	73011	98022	06309	78500	00806	87625	/////	05006	10954	3////	34410
L	99568	70204	01184	51722	98016	93112	26402	61714	82712	85080	0//10	11238	30404	18807
M	99646	10031	01184	70131	97026	11908	65430	81227	86615	84357	0//06	11087	30604	03905
R	99467	70172	01184	32126	98011	14616	10935	00819	81360	/////	0//15	11597	30805	29902

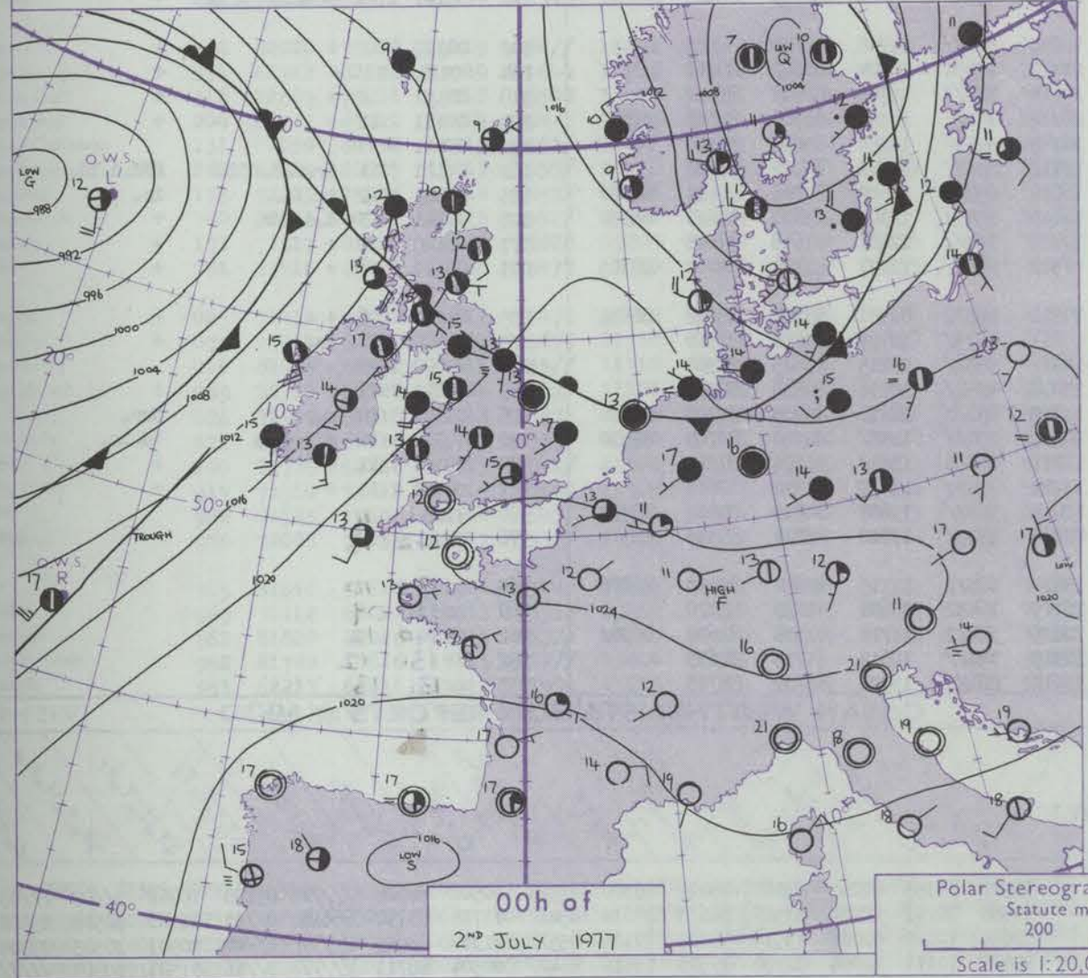
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH
LOW
HIGH
HIGH
HIGH







Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

Issued at midday SATURDAY 2 JULY 1977

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours a low to the north of Scotland has moved east across southern Scandinavia and a ridge of high pressure has extended northwards over the North Sea from a developing anticyclone over Germany. A deep depression in mid-Atlantic has moved slowly northeast and the associated warm front has moved slowly north over northwestern parts of the British Isles. During the next 24 hours the deep depression is expected to continue to drift very slowly northeast and the associated fronts will cross Scotland into the northern North Sea. The anticyclone over Germany will remain slow-moving and intensify and a light southerly airstream will become established over most parts of England and Wales.

Code FM II.V

OBSERVATIONS at 00h. 2 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72404	75032	23614	55731	12004	85650	84360	
Hurn	862	50000	65031	23813	50930	12206	85360		
Manston	797	82307	62022	22916	854//	14110	88615		
Gatwick	776	62106	58042	23715	50932	14109	83358	83361	
Kew	775								
Heathrow	772	52504	75026	23415	25771	13107	82656	83362	
Honington	586	82407	68032	22016	855//	14111	83622	88650	
Wattisham	590								
Gorleston	497	82604	58022	21817	856//	14212	88648		
Aberporth	502	71708	63022	21913	764//	12004	87710		
Filton	628	72505	58101	23413	763//	12207	82708	87710	
Rhoose	715	73002	68012	23313	753//	12105	83707	86613	
Hartland Point	703	32212	80020	22813	36200	13104	83703		
Mount Batten	827	72703	60101	23813	761//	13103	84702	87706	
St. Mawgan	817	61807	62031	23213	662//	12801	86705		
Scilly	804	62009	68021	23313	62400	13400	86818		
Culdrose	809	82105	40102	23313	861//	13802	82702	84703	88705
Guernsey	894	00000	60021	24812	00900	11000			
Elmdon	534	72207	62041	22514	764//	12213	87710		
Cardington	559	72709	45102	22715	756//	14111	87635		
Wittering	462	62508	62012	21916	656//	14108	86647		
Watnall	354	62408	60012	21715	656//	13111	86640		
Shawbury	414	72007	66031	21514	762//	13112	81704	87706	
Finningley	360	81202	58102	20716	855//	15110	83620	88640	
Spurn Point	396	80000	62205	21813	864//	13213	88712		
Leeming	257	81508	50616	20414	862//	13106	83704	83708	88710
Tynemouth	262	81408	69022	20712	8092/	11207	88458		
Carlisle	222	81002	25216	18815	872//	15104	83705	88708	
Valley	302	81919	56032	20214	862//	12111	88705		
Ringway	334	71609	65032	21214	756//	13111	87635		
Squires Gate	318	72109	70016	20415	755//	14110	87627		
Ronaldsway	204	81907	58102	19013	862//	12107	88704		
Mull of Galloway	131	71815	74025	17513	755//	12101	81620	87635	
Eskdalemuir	162	81602	04616	19013	870//	13108	88701		
Prestwick	135	71205	75206	17515	754//	14203	83616	84626	87645
Abbotsinch	140	80902	56585	17315	853//	15003	81707	86709	88625
Leuchars	171	70905	80022	18113	45632	10006	84634	86359	
Dyce	091	71509	82022	18812	70932	08005	87362		
Lerwick	005	50405	80031	18909	28402	09218	81815	85072	
Wick	075	71409	80022	18110	7093/	09105	87360		
Sule Skerry	010	80912	82032	16911	855//	09801	88625		
Cape Wrath	049	81810	82032	15212	15507	06802	81625	88270	
Stornoway	026	81612	75216	14212	3567/	10706	83630	83358	88460
Benbecula	022	81512	25506	12813	861//	13803	86702	88704	
Tiree	100	61422	64016	13713	652//	13808	81704	83627	85637
Aldergrove	917	71510	80012	15917	755//	15603	81625	87645	
Malin	980	71515	83216	13816	5543/	14804	81715	85640	85360
Belmullet	976	71623	77022	11915	6543/	12808	82718	85636	
Birr	965	51813	81031	16614	556//	10001	85638		
Dublin	969	32412	82021	17315	30930	12308	83358		
Shannon	962	61614	80031	15914	15632	12500	81630	83360	85070
Roches Point	952	71616	70021	18513	764//	13803	84715	87634	
Valentia	953	81615	65022	15415	864//	13708	85710	88627	

OBSERVATIONS at 06h. 2 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	00000	04461	22411	00900	11603			
Hurn	862	63402	04424	22611	66200	11603	86703		
Manston	797	32903	65011	22716	15470	14302	81615	83360	
Gatwick	776	10000	57101	22914	10930	14502	81360		
Kew	775	12602	70030	23015	15400	12504	81710		
Heathrow	772	12603	63031	22714	11430	13500	81810		
Honington	586	72407	50052	22115	755//	13400	87624		
Wattisham	590								
Gorleston	497	82808	56022	22115	855//	14304	88625		
Aberporth	502	21815	66011	20213	26400	11711	82710		
Filton	628	90000	01434	22311	9////	11502	89///		
Rhoose	715	90602	00471	21910	9////	10503	89/02		
Hartland Point	703	52206	63031	21811	56400	11603	85710		
Mount Batten	827	71405	23402	22113	761//	12707	81702	87705	
St. Mawgan	817	61710	60012	21613	662//	12506	82704	85706	
Scilly	804	31907	60011	21614	35500	13603	83622		
Culdrose	809	61905	50052	21713	65200	12505	81705	83709	86615
Guernsey	894	31411	40100	23013	36000	13503	83701		
Elmdon	534	12106	58041	21713	16301	11500	81708		
Cardington	559	72905	30101	22613	762//	13500	87703		
Wittering	462	82407	40101	22113	862//	13304	88705		
Watnall	354	72307	65032	21414	764//	12303	87710		
Shawbury	414	32009	70011	20913	30941	11801	83359		
Finningley	360	32003	62021	21114	35600	13308	82630		
Spurn Point	396	71406	56105	21614	4547/	13305	82710	84625	87360
Leeming	257	71606	30046	20415	751//	14104	82702	85712	87630
Tynemouth	262	81603	61022	19814	6567/	13601	86630		
Carlisle	222	61402	70012	18914	5543/	13002	81715	83625	
Valley	302	61922	75012	19215	654//	11708	86618		
Ringway	334	41809	62031	21113	15631	10204	81640	84360	
Squires Gate	318	71406	50102	20014	754//	13705	82617	86656	
Ronaldsway	204	72016	70011	18413	753//	11102	81708	83616	87620
Mull of Galloway	131	72130	80032	16112	3563/	11250	83630	87360	
Eskdalemuir	162	81816	40106	18912	861//	11301	85702	88707	
Prestwick	135	71713	66022	16614	65331	12309	81708	85611	87080
Abbotsinch	140	71708	62026	16115	6543/	12302	81710	84620	85359
Leuchars	171	70804	62012	17014	754//	12606	81616	87645	
Dyce	091	81510	50052	17312	862//	11707	82703	85704	88705
Lerwick	005	71307	65022	19211	68372	09301	81708	83812	86635
Wick	075	71510	75026	15611	3573/	10709	83656	87360	
Sule Skerry	010	71418	82022	14411	5557/	09715	85625	87360	
Cape Wrath	049	81402	84022	13014	4557/	10716	84625	88360	
Stornoway	026	81510	57596	11713	852//	12611	83704	85707	88614
Benbecula	022	71815	60506	10215	750//	1416/	82700	86705	87630
Tiree	100	71622	59102	11713	25236	13610	81704	87272	
Aldergrove	917	71712	80021	15213	75472	11702	81714	87618	
Malin	980	71714	83022	11814	5847/	11607	81718	84642	85460
Belmullet	976	81725	58636	08714	5742/	13712	85714	88540	
Birr	965	71815	80032	13814	685/2	11715	82820	85638	86070
Dublin	969	52116	84031	16115	16432	08606	81718	85070	
Shannon	962	71720	80031	12615	35472	11719	81718	83628	86362
Roches Point	952	71718	65022	16313	754//	12612	81715	87635	
Valentia	953	81723	65216	11615	864//	13720	85711	88715	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00100	05	+	ff
Hurn	862	00081	06	f	ffff
Manston	797	00150	14	+	+
Gatwick	776	00110	08	+	+
Kew	775	00110	06	+	+
Heathrow	772	00130	10	+	+
Honington	586	00140	13	+	+
Wattisham	590				
Gorleston	497				
Aberporth	502	00111	10	+	+
Filton	628	00100	02	+	FF
Rhoose	715	00080	03	+	ffff
Hartland Point	703	00090	08		
Mount Batten	827	00130	10	+	ff
St. Mawgan	817	00110	09	+	+
Scilly	804	00130	12	+	+
Culdrose	809	00120	11	+	+
Guernsey	894	00120	06	+	+
Elmdon	534	00130	10	+	+
Cardington	559	00100	06	+	+
Wittering	462	00121	10	+	+
Watnall	354	00131	11	+	+
Shawbury	414	00111	06	+	+
Finningley	360	00121	09	+	+
Spurn Point	396			d.d.id.	+
Leeming	257	91130	13	r.r.	+
Tynemouth	262	00120	11	+	+
Carlisle	222	95141	13	drdrd.r.d.r.	+
Valley	302	00131	12	+	+
Ringway	334	00131	11	+	+
Squires Gate	318	00131	12	+	+
Ronaldsway	204	00121	11	+	+
Mull of Galloway	131	00111			
Eskdalemuir	162	01111	11	ir.r.r.ffdrF	FFd.d.id.
Prestwick	135	91131	12	ir.id.	ir.
Abbotsinch	140	92141	13	d.d.d.r.	+
Leuchars	171	00120	11	+	+
Dyce	091	00110	07	+	+
Lerwick	005	00081	06	+	+
Wick	075	97100	08	ir.	+
Sule Skerry	010	00090	09		
Cape Wrath	049	00091	09	+	+
Stornoway	026	01111	10	r.r.	drr.
Benbecula	022	01111	11	d.r.d.d.	id.ir.
Tiree	100	00121	11	+	+
Aldergrove	917	00121	11	+	+
Malin	980	97131	11		
Belmullet	976	08142	13		
Birr	965	00131	10		
Dublin	969	00130	09		
Shannon	962	00140	12		
Roches Point	952	00131	12		
Valentia	953	91131	13		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	02001	83209	98021	06509	855//	00802	88622	/////	05106	10970	3//04	///09
L	99567	70204	02004	51719	97016	91412	28571	41813	81820	83363	0//09	11230	30404	18808
M	99651	10026	02004	83621	97022	15807	855//	81116	88620	/////	0//04	10989	30503	03806
R	99468	70172	02004	72124	97031	14316	774//	00703	87713	/////	0//16	11577	30807	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	02061	83107	98022	06309	855//	00502	88628	/////	05108	10962	3//02	///08
L	99569	70201	02064	81527	96638	87610	6542/	11718	83710	86625	0//11	11186	30505	19808
M	99654	10025	02064	83514	98022	19106	855//	81314	88625	/////	0//02	10967	30503	03804
R	99469	70171	02064	82220	99526	13416	864//	00504	88713	/////	0//16	11585	30807	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bra

All times

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42227

Date of Issue SUNDAY 3 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 2 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	11908	82024	21521	11602	13810	81830		
Hurn	862	11505	65014	22219	00901	07813	81075		
Manston	797	21410	60010	22320	22530	15808	82820		
Gatwick	776	12106	75010	22222	11600	13810	81830		
Kew	775	12504	81020	22122	11640	11810	81840		
Heathrow	772	11904	80020	21623	11630	11814	81840		
Honington	586	12208	81011	21722	18630	10709	81830		
Wattisham	590								
Gorleston	497	61510	40052	22016	6093/	14808	86360		
Aberporth	502	61917	65021	19117	31532	13806	83820	86075	
Filton	628	21911	84024	20822	11531	12814	81827		
Rhoose	715	11408	80024	20520	11508	13815	81825		
Hartland Point	703	22415	80021	20120	00901	11715	82075		
Mount Batten	827	11609	81021	20921	10930	08718	81363		
St. Mawgan	817	11712	80021	20119	00902	12713	81075		
Scilly	804	51905	57031	21017	52500	15803	85820		
Culdrose	809	11408	75051	20120	11501	11715	81825		
Guernsey	894	01410	84020	21321	00900	09709			
Elmdon	534	22114	80030	20222	11632	09811	81845		
Cardington	559	12408	80021	21623	00901	12713	81075		
Wittering	462	12111	80021	21021	00901	12711	81075		
Watnall	354	22211	80031	20122	00902	11808	82075		
Shawbury	414	61808	78031	19421	11542	13710	81828	86075	
Finningley	360	32010	72031	19622	00901	12808	83080		
Spurn Point	396	22008	70011	20720	11571	13709	81820		
Leeming	257	72012	75012	18921	11641	11807	81835	87075	
Tynemouth	262	71412	56022	18715	3563/	13708	83630	86358	
Carlisle	222	72605	82022	18117	28548	11807	81826	87272	
Valley	302	82020	70022	19415	884//	11802	82815	88620	
Ringway	334	61912	82031	19520	11644	10709	81830	86070	
Squires Gate	318	72605	75021	19018	18502	13712	81825	87073	
Ronaldsway	204	81921	68022	17914	854//	11703	81711	88625	
Mull of Galloway	131	82030	64032	15313	1551/	10802	81625	88460	
Eskdalemuir	162	82019	80025	18013	7557/	10708	85620	86640	88362
Prestwick	135	72115	75026	16416	6557/	10501	86626	87461	
Abbotsinch	140	72016	80012	16016	5552/	09801	85624	87465	
Leuchars	171	71917	81022	16418	25628	09805	82630	86462	87275
Dyce	091	81816	82022	15316	15477	11710	81618	86468	88275
Lerwick	005	71414	75022	17812	38478	10812	81710	84359	85362
Wick	075	71614	64052	13313	25678	11710	82645	85362	87270
Sule Skerry	010	81415	66032	11813	855//	11712	88625		
Cape Wrath	049	82710	82022	11514	2557/	11101	82625	88360	
Stornoway	026	81919	80216	10913	3557/	11301	81620	83650	88464
Benbecula	022	81525	60616	09512	5537/	12502	82706	83710	88462
Tiree	100	81725	58216	11613	3542/	13503	81711	83635	88459
Aldergrove	917	71914	75012	14015	35572	10505	83622	86462	87075
Malin	980	81723	75606	11114	6647/	12507	83714	86640	88459
Belmullet	976	72025	74036	08717	735//	14306	85920	84640	
Birr	965	81816	62616	13914	7742/	13201	87711	88458	
Dublin	969	72112	84022	14917	5553/	09503	82620	85645	86362
Shannon	962	81820	82026	12816	863//	14203	82709	85715	87623
Roches Point	952	81720	16616	15913	872//	13604	88705		
Valentia	953	62213	65216	13017	42402	15215	81710	84818	

OBSERVATIONS at 18h. 2 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	12009	88020	19521	15700	10706	81656		
862	11605	84010	20319	00901	09806	81075		
797	11610	84020	20620	00901	12505	81075		
776	12109	81030	20122	00901	13604	81078		
775	12505	82020	19624	11701	11705	81850		
772	12106	82020	19225	11701	09706	81850		
586	11907	81020	19324	11602	07607	81840		
590								
497	31616	58021	19818	30931	14606	83360		
502	71913	75022	17718	00902	11806	87075		
628	22107	84030	19022	10931	11810	81365		
715	33007	83020	19021	21601	13606	82830		
703	42608	80011	19616	20934	13702	82360	84075	
827	12204	80020	19817	14601	12504	81635		
817	11807	80020	19319	00902	13606	81075		
804	12003	60021	20518	00901	15502	81075		
809	10802	70050	19617	11501	14504	81820		
894	00608	83020	19520	00900	09807			
534	62410	80031	18522	11605	11707	81845	86075	
559	22607	80030	19223	11602	13708	81840		
462	22209	84010	19023	00901	11507	82075		
354	62608	81011	18123	21782	12608	82850	85075	
414	62512	81012	18020	11688	11605	81835	86270	
360	72111	82021	17722	11632	13710	81840	87072	
396	61605	66011	18718	30972	13713	83360	86075	
257	72214	82022	16721	11742	10613	81850	87070	
262	72312	80022	16822	30938	11710	83358		
222	42314	75021	15918	18572	11612	81826	83075	
302	72020	62022	17716	18432	12508	81815	87070	
334	72211	80022	18021	11738	09703	81850	87270	
318	62212	80012	17319	18632	14711	81835	86072	
204	82021	50592	15613	853//	12611	81707	83630	88650
131	72130	64216	14012	754//	11611	83710	87620	
162	71919	60052	15813	784//	10614	83712	87635	
135	81915	70216	14114	7842/	12713	81710	84628	87642
140	81911	60586	14314	4532/	12505	81708	83712	86458
171	72012	72022	14317	25532	09614	82625	87360	
091	71510	81012	13415	1557/	09615	81625	85362	86365
005	81614	75036	14311	853//	09621	85707	88613	
075	71810	70606	10614	4557/	10611	82625	84640	85359
010	70000	74022	10614	755//	10502	87625		
049	72310	80022	09515	55501	11602	85620	87070	
026	81817	62216	09012	852//	12704	81705	83708	88615
022	71817	62216	07813	55332	13707	82706	84618	85070
100	51920	59256	10013	5843/	13501	81715	83625	
917	52012	65258	12517	48430	15804	82816	84620	85365
980	32617	82256	10415	33500	12301	82920		
976	42024	76011	10416	435/2	12204	84820	81920	
965	72009	82036	13118	684/2	14502	82717	84820	
969	72215	82216	13817	7543/	14802	83713	84620	
962	32513	84018	13219	38602	13107	83830		
952	91915	07586	15414	9////	14703	89/00		
953	62113	80031	14017	68400	14204	83818	85640	

OBSERVATIONS during DAY

iii	RRT T_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00230	138	+	+
862	00220	104	jf	+
797	00220	122	+	+
776	00250	151	+	+
775	00250	150	+	+
772	00260	154	+	+
586	00250	115	+	+
590				
497		087		
502	00191	111	+	+
628	00250	131	+	+
715	00230	110	jf	+
703	00210	130		
827	00210	132	+	+
817	00210	129	+	+
804	00180	140	+	+
809	00180	137	+	+
894	00230	152	+	+
534	00230	134	+	+
559	00250	137	+	+
462	00240	120	+	+
354	00240	117	+	+
414	00230	102	+	+
360	00240	094	+	+
396			+	+
257	00230	048	+	+
262	00220	048	+	+
222	97191	070	+	d_0r_0
302	96171	057	+	$1d_0r_0ir$
334	00220	121	+	+
318	00201	135	+	+
204	02161	031	+	$r_0RDRd_0r_0$
131	01131			
162	02161	022	$1d_0$	r_0r_0r
135	02161	005	+	$r_0rr_0r_01d_0$
140	96171	006	+	$1r_0r_0r_0d_0r_0$
171	97190	018	+	r_0
091	97180	006	+	r_0
005	97141	025	$1r_0$	$1r_0$
075	92150	009	+	$1r_0$
010	01141			
049	97191	006	+	pr_0
026	96151	006	$1r_0$	$d_0r_0rpr_0$
022	05161	017	$Rrrr_0r_0d_0$	d_0d_0r
100	02141	027	r_0Rr1r_0	pr_0
917	03181	016	rRd_0	d_0pR
980	0318	020		
976	0617	099		
965	0219	032		
969	9118	058		
962	0220	049		
952	0615	001		
953	0318	065		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

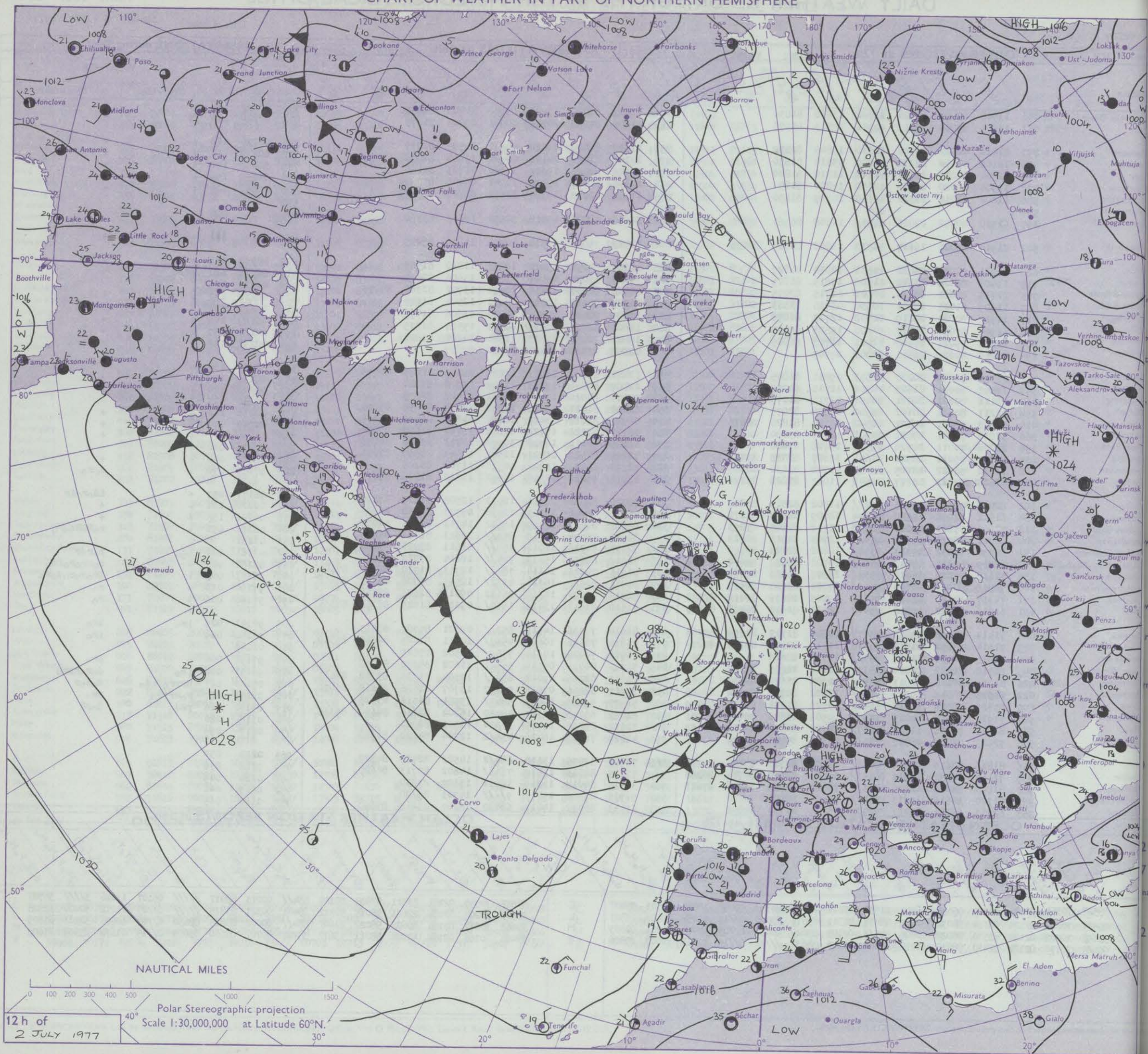
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	02121	53309	98026	06909	11530	00206	/////	84358	00007	10944	30503	35407
L	99567	70202	02124	62714	98030	86612	48431	41311	83815	83640	0//11	11255	30404	17807
M	99658	10022	02124	83510	98022	20806	855//	00105	83620	88625	0//03	10948	30201	02803
R	99469	70170	02124	52410	98015	16216	45602	00213	84630	/////	0//15	11613	30000	25806

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	02181	83311	97808	09109	834//	00213	88917	/////	05107	11016	3////	35307
L	99569	70202	02184	22621	98018	90312	28401	00321	81815	/////	0//09	11212	30404	17808
M	99663	10017	02184	80602	98022	21607	884//	00002	81815	88630	0//03	10966	30201	01803
R	99468	70168	02184	42008	98011	15617	35742	00707	82650	83073	0//15	11672	25903	21602

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


LOW
HIGH
TROUGH
Chihuahua
El Paso
Monclova
Midland
San Antonio
Del Rio
Salt Lake City
Grand Junction
Rapid City
Dodge City
Bismarck
Omaha
Lake Charles
Little Rock
Jackson
Boothville
Minneapolis
Kansas City
St. Louis
Chicago
Nashville
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Toronto
Charleston
Augusta
Tampa
Jacksonville
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Norfolk
New York
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Prince George
Whitehorse
Watson Lake
Fort Nelson
Fort Simpson
Fort Smith
Inuvik
Fairbanks
Kotzebue
Barrow
Sachs Harbour
Coppermine
Cambridge Bay
Mould Bay
Resolute Bay
Isachsen
Eureka
Arctic Bay
Churchill
Baker Lake
Chesterfield
Nakina
Winisk
Moosonee
Port Harrison
Nottingham Island
Fort Chimo
Resolution
Nitchequon
Frobisher
Cape Dyer
Godthaab
Frederikshab
Prins Christian Sund
Aputiteq
Angmagssalik
Ivigtut
Stornoway
Belmullet
Valentia
Shannon
Thorshavn
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Gialo
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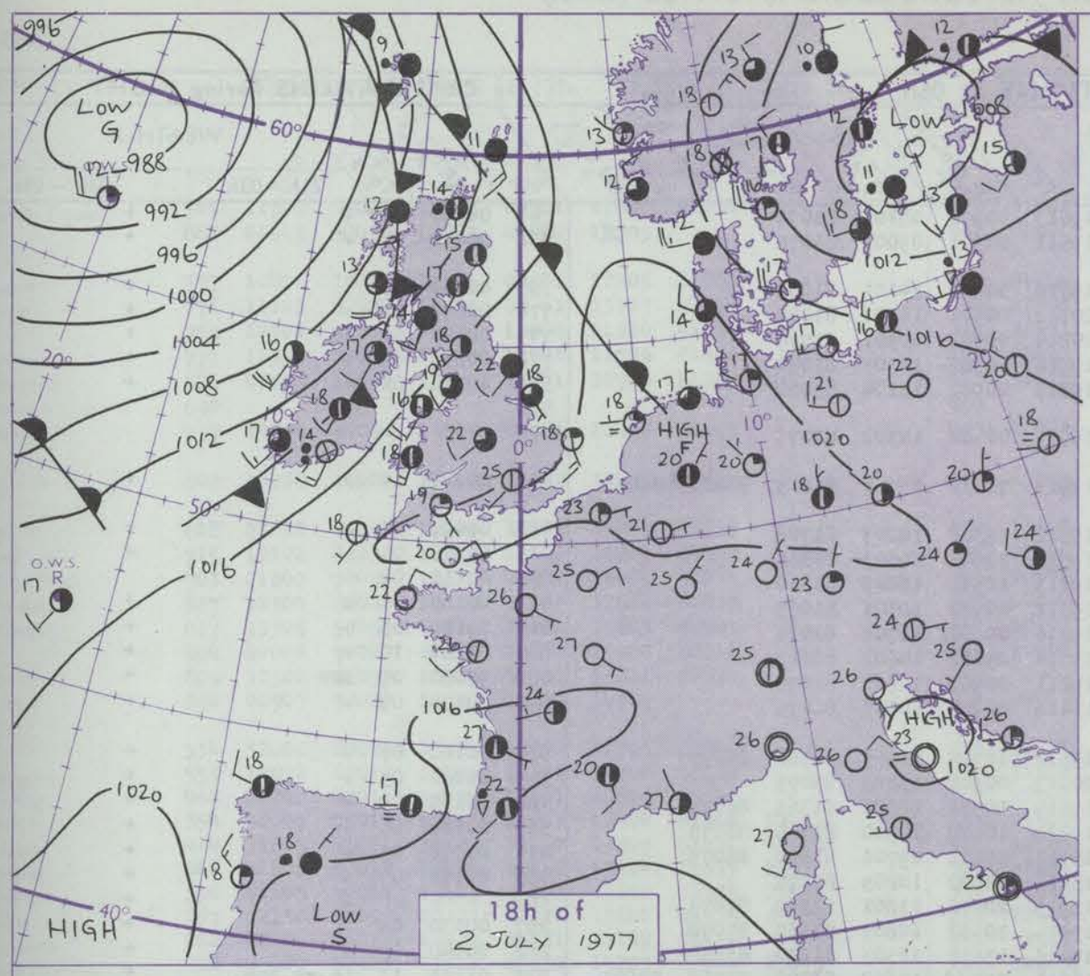
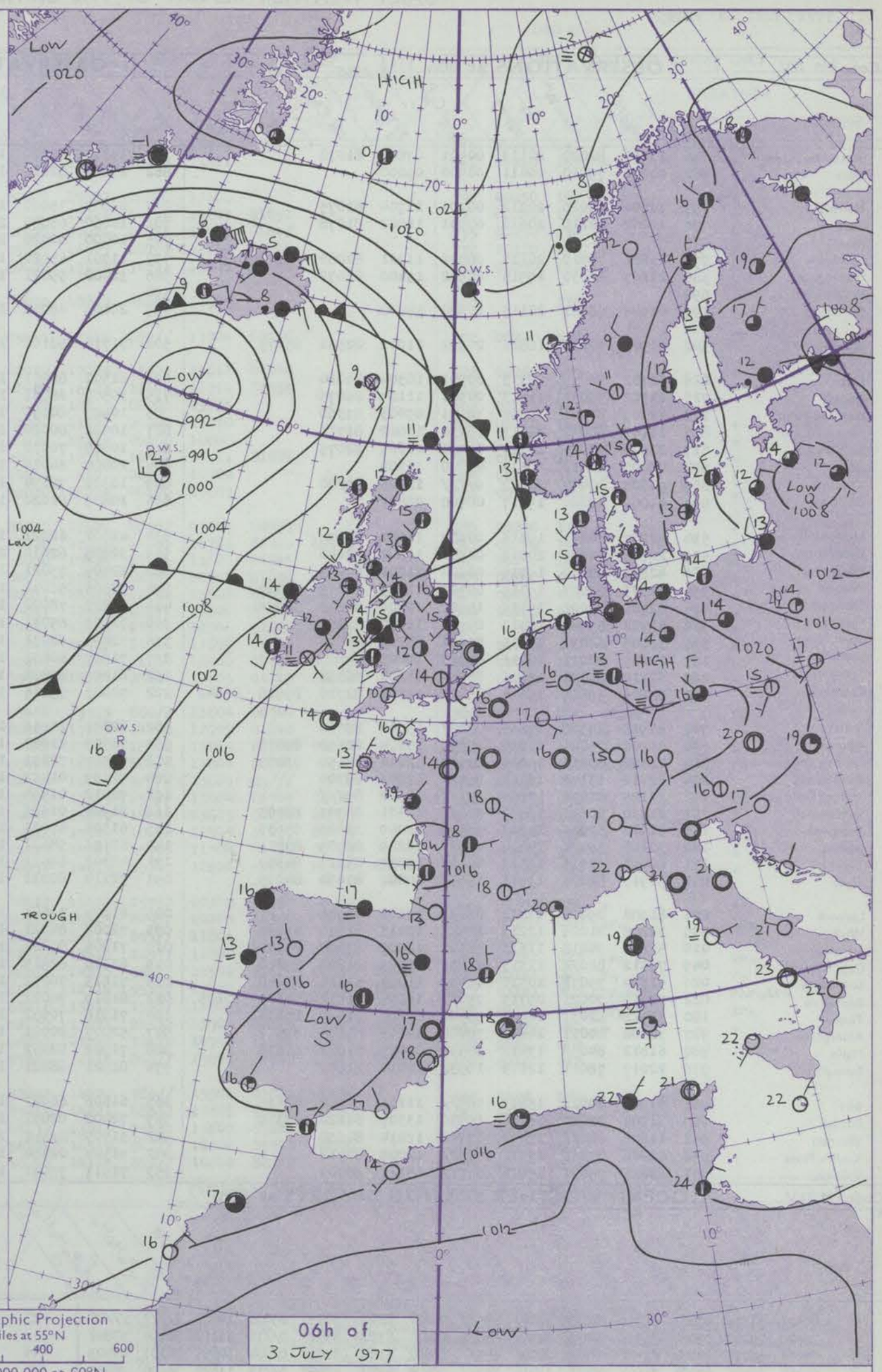
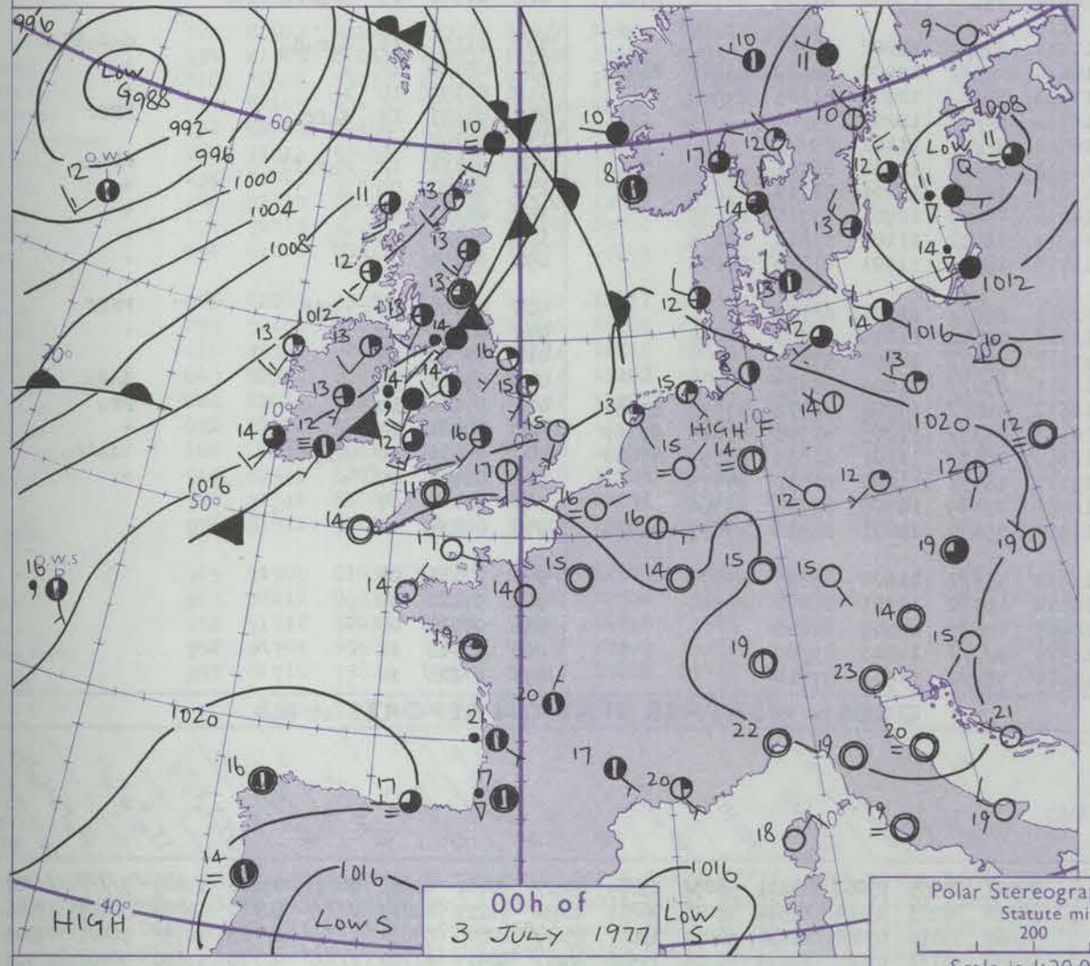
Lwów
Poznań
Wrocław
Praha
Ostrava
Budapest
Bucuresti
Sulina
Constanta
Simferopol
Odesa
Istanbul
Inebolu
Sofia
Skopje
Athinai
Larissa
Herklion
Rodos
Nord
Alert
Eureka
Danmarkshavn
Jan Mayen
Tromsø
Murmansk
Arhangel'sk
Ob"jačevo
Sarjan
Nižnie Kresty
Čokurdah
Ojmjakon
Ust'-Judoma
Lokčak
Jakutsk
Verhojansk
Kazač'e
Ostrov Kotel'nyj
Ostrov Zochova
Mys Čeljuskin
Olenek
Hatanga
Dikson Ostrov
Ostrov Uedineniya
Tura
Yenisejsk
Muhtuja
Viljujsk
Džikimdžan
Tazovskoe
Russkaja Selkup
Mare-Sale
Tarko-Sale
Aleksandrovskoe
Verhne-Imbatskoe
Hanty Mansijsk
Berezovo
Salehard
Molve Kamakuly
Ufa
Perm'
Kirov
Gor'kij
Penza
Kujbyšev
Saratov
Volgograd
Astrahan'
Orenburg
Ural'sk
Kaspijsk
Groznyj
Machačkala
Baku
Tbilisi
Erevan
Turinsk
Tjumen'
Omsk
Barnaul
Novosibirsk
Tomsk
Irkutsk
Bratsk
Ust'-Ilimsk
Ust'-Kut
Kirensk
Olekminsk
Tiksi
Ostrov Kotel'nyj
Ostrov Zochova
Ostrov Uedineniya
Mys Čeljuskin
Dikson Ostrov







Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday **SUNDAY 3 JULY 1977**

During the past 24 hours the depression south of Iceland and the anticyclone over Germany have remained slow-moving although the anticyclone has weakened a little. A weak cold front has moved slowly eastwards across northwestern parts of Britain. Southerly gradients have bought warm air from the Continent into many parts of England and Wales. During the next 24 hours little overall change is expected in the pressure distribution. The anticyclone over Germany will recede a little to the northeast while further frontal troughs affect northwestern parts of Britain.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V **OBSERVATIONS at 00h.** 3 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	11706	82020	20113	00901	07801	81078		
Hurn	862	00000	75010	20411	00900	09000			
Manston	797	11702	75020	20312	00901	11704	81075		
Gatwick	776	10202	62110	20612	00901	11002	81078		
Kew	775								
Heathrow	772	11804	75010	20117	00902	11001	81080		
Honington	586	21603	68030	19915	00902	13400	82072		
Wattisham	590								
Gorleston	497	01906	56011	20115	00900	14000			
Aberporth	502	61913	70032	18812	20932	11002	82362	85075	
Filton	628	31702	78030	20313	00901	10304	83080		
Rhoose	715	61502	75031	19813	00901	11104	86075		
Hartland Point	703	42209	80021	19814	30931	09003	83360		
Mount Batten	827	11102	60020	20313	16430	11002	81711		
St. Mawgan	817	21504	62020	20313	00902	11105	82075		
Scilly	804	00000	60010	20614	00900	14102			
Culdrose	809	90603	00474	20012	9////	12003	89/00		
Guernsey	894	01007	82020	19517	00900	08801			
Elmdon	534	52207	70031	19316	00902	11004	85075		
Cardington	559	22705	66020	20012	00901	11302	82080		
Wittering	462	42606	80030	19715	00904	11001	84075		
Watnall	354	62303	62022	19315	00905	12103	81275	85080	
Shawbury	414	62902	73022	19112	15602	10206	81640	86075	
Finningley	360	31902	59041	18513	00902	11302	83075		
Spurn Point	396	32005	68031	19215	00901	14205	83075		
Leeming	257	02205	80011	18016	00900	10205			
Tynemouth	262	62110	69031	17616	6093/	11204	86358		
Carlisle	222	82105	59606	16814	854//	13204	82710	85618	88642
Valley	302	81918	40586	17814	872//	13002	88704		
Ringway	334	61906	75021	18816	25732	10204	82650	85075	
Squires Gate	318	42508	80011	18014	25702	12204	82650	83073	
Ronaldsway	204	82112	13106	16612	860//	12203	88700		
Mull of Galloway	131	92125	01476	15211	9////	11312	89///		
Eskdalemuir	162	81810	20616	16412	872//	12301	84703	88705	
Prestwick	135	51912	62035	14813	58500	12209	81825	85633	
Abbotsinch	140	72106	59026	14414	763//	12209	82709	87711	
Leuchars	171	60000	62016	15113	4543/	11207	83614	84360	
Dyce	091	51915	82036	13513	15631	10002	81630	84075	
Lerwick	005	81908	09426	13310	860//	10802	88700		
Wick	075	32208	81026	12213	18532	10213	81820	83075	
Sule Skerry	010	51604	74018	11611	58500	10309	83820	85625	
Cape Wrath	049	72312	82028	11313	12531	11209	81820	87070	
Stornoway	026	51814	75038	10511	45432	11207	81618	83640	
Benbecula	022	71715	70021	09713	754//	11104	81712	84625	87635
Tiree	100	51912	62031	12212	58500	11208	81820	85637	
Aldergrove	917	32108	80011	14613	38400	12213	81816	83627	
Malin	980	61812	84038	13412	38535	09217	81822	83638	
Belmullet	976	22017	78011	12113	18532	12010	81820		
Birr	965	51905	80022	15813	585//	11111	81820	84635	
Dublin	969	31904	82021	15614	15530	13307	81620	83359	
Shannon	962	11802	80021	15713	15702	12214	81650		
Roches Point	952	72006	07466	17112	764//	12008	87712		
Valentia	953	62011	75031	15814	663//	13111	86707		

OBSERVATIONS at 06h. 3 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	13301	83020	19613	00901	08101	81078		
862	13402	82020	19511	00901	09001	81075		
797	12903	75020	19716	00901	14101	81075		
776	10000	65020	20111	00901	10301	81080		
775	10000	80020	20214	00901	12501	81075		
772	11701	65020	19914	00902	12303	81080		
586	32402	59021	19815	00902	13204	83080		
590								
497	20000	48051	19615	00902	14302	82075		
502	71716	58102	17913	784//	13704	81815	84620	86645
628	11502	80011	19812	16302	10203	81708		
715	10502	68031	19511	10941	10303	81365		
703	10000	80050	19213	10930	10803	81360		
827	10902	80020	19312	00902	10101	81075		
817	10000	70020	19214	00902	11701	81075		
804	20000	64014	19714	25402	14601	82615		
809	10302	70054	19211	00901	10500	81075		
894	10605	82020	18416	00902	10501	81075		
534	41502	62021	19512	10932	11303	81366	84075	
559	32805	62010	20013	00901	13303	83075		
462	62505	75021	19614	10931	12303	81365	86075	
354	72305	56042	19314	10978	12500	81365	86275	
414	61802	78022	18711	15702	09701	81650	86075	
360	71703	65031	18214	00902	10205	87075		
396	72405	68031	18915	20971	11201	82360	87075	
257	71607	60031	17714	30932	10807	83364	87076	
262	61408	80022	17415	15631	12303	81630	85358	
222	72403	75016	16614	753//	13602	81708	84712	87625
302	82014	28516	17514	870//	13601	88701		
334	71707	81022	18614	45502	09500	82620	83640	86072
318	71507	70031	17715	755//	12702	81625	87640	
204	92107	01452	16712	9////	12202	89/00		
131	92012	01454	16011	9////	11102	89///		
162	81906	01606	16612	870//	12302	88701		
135	61505	67011	15213	38434	12801	81714	83640	
140	62106	58101	14714	48402	12701	83710	84075	
171	42307	64011	14913	18432	11101	81815	83075	
091	72110	80032	13715	18576	11701	81820	87275	
005	81403	02444	12411	860//	11801	88700		
075	72008	84021	12712	25632	11205	81640	86075	
010	71805	81022	11611	755//	10202	87625		
049	82310	62515	11811	874//	11206	88710		
026	71815	70252	10612	3847/	11006	81712	83622	87362
022	81819	70022	10413	4537/	11205	81708	83625	85360
100	71916	70032	12612	2847/	11101	81818	83359	87462
917	52007	80011	15113	16431	11002	81715	84075	
980	71922	82032	12912	25449	10605	81718	85362	
976	81921	68021	11914	7547/	13001	83716	87637	88458
965	61606	66022	15412	556/2	11604	85635	83070	
969	72402	82031	16014	18532	12501	81820	85360	
962	31709	82011	14913	15632	12505	81640		
952	91504	02454	16711	9////	11503	89/00		
953	71911	75031	14914	764//	13501	87710		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00090	04	+	+
862	00070	04	+	+
797	00100	07	+	+
776	00070	04	+	+
775	00080	02	+	+
772	00130	05	+	+
586	00110	06	+	+
590				
497				
502	00111	10	+	+
628	00090	02	+	+
715	00090	04	+	+
703	00110	08		
827	00100	05	+	+
817	00110	05	+	+
804	00120	10	+	+
809	97080	07	fFF	+
894	00130	09	+	+
534	00100	07	+	+
559	00080	05	+	+
462	00130	09	+	+
354	00120	06	+	+
414	00070	03	+	+
360	00110	07	+	+
396			+	+
257	00130	09	+	+
262	00140	10	+	+
222	01141	13	$1r_0rr_0Rrr_0$	+
302	01131	13	$d_0r_0d_0$	$d_0d_0id_0f$
334	00130	12	+	+
318	00130	10	+	+
204	91121	12	d_0ff	Ffff
131	00101			
162	04121	12	r_0r_0ff	$FFir_0$
135	00101	09	+	+
140	00111	07	+	+
171	00110	08	jp	+
091	00100	05	+	+
005	00100	10	1fff	Ffff
075	00110	07	+	+
010	92090	08		
049	95111	10	+	d_0d_0
026	97111	10	+	pr_0
022	00121	11	+	+
100	97111	10	$1d_0$	id_0ir_0
917	00111	09	+	+
980	97111	07		
976	00131	12		
965	97111	08		
969	97121	09		
962	97121	08		
952	97111	11		
953	97121	10		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_svsapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	03001	83311	98028	13009	835//	00227	82926	86830	05008	10965	3////	///07
L	99570	70200	03004	72317	98031	94311	68372	00219	83709	83818	0//10	11219	30404	17807
M	99663	10017	03004	81107	98035	20906	885//	00802	81820	88635	0//04	10958	30201	01903
R	99468	70171	03004	71607	97501	15216	753//	00805	85708	87650	0//15	11672	30000	28905

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_svsapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	03061	83211	98032	13808	835//	00701	82921	86827	05206	11009	3////	///07
L	99570	70203	03064	22514	98018	96811	12430	61211	81815	/////	0//10	11205	30403	17806
M	99663	10016	03064	81414	98022	19807	856//	00805	88630	/////	0//03	10935	30301	01903
R	99468	70171	03064	81813	96205	11516	864//	00513	87710	/////	0//15	11630	30401	28903

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. 8

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42228

Date of Issue: MONDAY 4 JULY 1977

OBSERVATIONS at 12h. 3 JULY 1977

Code FM 11.V

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	11906	84020	18624	00901	11806	81080		
Hurn	862	01609	80010	19023	00900	13705			
Manston	797	10806	73020	19324	00901	12805	81080		
Gatwick	776	11103	80020	19025	00901	13707	81080		
Kew	775	12702	75030	19025	11700	11810	81850		
Heathrow	772	12303	75030	19025	11701	11709	81850		
Honington	586	41603	82011	18925	11601	10704	81845	84080	
Wattisham	590								
Gorleston	497	20304	56050	19816	00901	12400	82075		
Aberporth	502	13206	75021	18418	15602	12001	81635		
Filton	628	23602	80030	19023	11601	14804	81835		
Rhoose	715	12102	82030	18823	11401	12804	81817		
Hartland Point	703	21803	70020	19316	00901	12001	82075		
Mount Batten	827	12304	82020	18619	11601	12602	81835		
St. Mawgan	817	13306	57050	18719	12002	15803	81701		
Scilly	804	20000	70020	20119	22402	15000	82818		
Culdrose	809	12502	66050	18521	11501	16801	81820		
Guernsey	894	00907	78020	17724	00900	14704			
Elmdon	534	32006	80021	18723	11602	12705	81840	83075	
Cardington	559	12902	67010	19224	11601	15706	81840		
Wittering	462	22206	80011	19124	15601	13806	81645		
Watnall	354	52007	78012	18923	12602	12804	81845	83075	
Shawbury	414	31605	81011	18123	12602	13807	81835	83075	
Finningley	360	52106	80012	18424	18682	15704	81835	85075	
Spurn Point	396	71105	70012	19519	11572	13601	81825	85075	
Leeming	257	72110	82012	18322	426/1	13801	84835	85075	
Tynemouth	262	42008	81021	18120	35631	13102	83630		
Carlisle	222	43010	82021	17618	28332	14203	81708	83075	
Valley	302	81915	40204	18716	860//	14203	82701	88704	
Ringway	334	21905	80011	18721	12642	13803	81830		
Squires Gate	318	72305	75032	18718	785//	15102	81820	87625	
Ronaldsway	204	82107	03465	18113	860//	12105	88700		
Mull of Galloway	131	82118	06444	17212	8091/	12202	88460		
Eskdalemuir	162	71911	58056	17815	763//	13107	87708		
Prestwick	135	51913	80031	16319	38532	13001	83824	84075	
Abbotsinch	140	52313	82021	16219	31502	12001	83824	83075	
Leuchars	171	72313	80031	16020	31602	09500	83835	87075	
Dyce	091	61608	82012	15021	11678	10104	81835	86072	
Lerwick	005	52205	65024	14616	48431	12111	81818	83645	
Wick	075	72109	83022	14715	38538	10309	81825	83650	85360
Sule Skerry	010	72312	82032	14015	5553/	10210	85625	87360	
Cape Wrath	049	82314	82025	12814	3257/	11202	83820	88360	
Stornoway	026	82019	70216	12713	4547/	11207	82712	83620	88462
Benbecula	022	81622	58616	12013	7532/	12106	84708	84616	86625
Tiree	100	81817	70616	14512	6537/	12305	82709	85626	88460
Aldergrove	917	61911	82021	15319	42532	12804	84824	83362	85075
Malin	980	71612	84022	13819	3547/	13001	81716	83650	87460
Belmullet	976	81821	70022	12916	5647/	13203	83716	84638	88459
Birr	965	71909	81032	15419	625/2	12803	86822	84070	
Dublin	969	72211	86032	16119	515/2	12000	85826	83070	
Shannon	962	51812	82011	14721	32540	14708	83826	84362	
Roches Point	952	91705	05584	17115	9////	15702	89/00		
Valentia	953	61714	75808	14719	5243/	15805	83712	83819	

OBSERVATIONS at 18h. 3 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	31902	80010	16724	31600	13709	83845		
Hurn	862	01506	80010	17122	00900	15811			
Manston	797	01104	70020	17922	00900	13608			
Gatwick	776	12308	80010	17225	14700	14607	81850		
Kew	775	22101	81020	17026	24660	10709	81848		
Heathrow	772	12202	75020	16627	18700	12710	81850		
Honington	586	31312	80020	17424	34701	13607	83656		
Wattisham	590								
Gorleston	497	00000	40050	18817	00900	14705			
Aberporth	502	83405	05461	17814	860//	13704	88700		
Filton	628	13603	82020	17025	11600	15612	81840		
Rhoose	715	12404	80020	16523	11600	16710	81835		
Hartland Point	703	00405	66020	18215	00900	13603			
Mount Batten	827	00704	82020	16722	00900	13710			
St. Mawgan	817	00107	80020	17319	00900	10608			
Scilly	804	10000	70020	18319	12502	16711	81820		
Culdrose	809	00903	70050	16921	00900	10709			
Guernsey	894	00708	72020	16223	00900	15607			
Elmdon	534	12305	81020	16924	00902	09709	81075		
Cardington	559	31502	80020	17426	11601	16709	81835	83081	
Wittering	462	22002	80030	17424	11601	13609	81845		
Watnall	354	31902	80021	17124	11701	12708	81850	83075	
Shawbury	414	32503	82031	16325	11702	13608	81850	83078	
Finningley	360	32206	84021	17225	12601	13606	81840	83080	
Spurn Point	396	41010	70011	18417	11501	12706	81825	84075	
Leeming	257	22407	89011	17423	11741	13605	81850		
Tynemouth	262	52306	80021	18121	11604	16400	81830	85075	
Carlisle	222	62808	83021	17120	28441	16805	81715	85080	
Valley	302	62212	07464	17715	660/2	13604	86700		
Ringway	334	31705	82021	17123	24602	12707	81840		
Squires Gate	318	33005	70021	17620	18502	16705	81822	83072	
Ronaldsway	204	81807	08414	16813	860//	13804	88701		
Mull of Galloway	131	92007	02454	16413	9////	13604	89///		
Eskdalemuir	162	81808	70032	17315	853//	13804	86706	88620	
Prestwick	135	72012	84032	15619	18642	13603	81830	86075	
Abbotsinch	140	72208	82022	15320	18642	12805	81835	87075	
Leuchars	171	71710	80022	15321	15746	11704	81650	87075	
Dyce	091	81609	86032	14819	25747	12604	82656	84360	88272
Lerwick	005	51705	82012	16113	15732	10305	81650	85080	
Wick	075	72103	80216	15115	60932	10203	86360	87070	
Sule Skerry	010	82303	81032	14213	855//	11801	88625		
Cape Wrath	049	82312	82602	13414	1257/	12802	81820	88460	
Stornoway	026	82112	80026	12813	5557/	12502	82625	84656	88460
Benbecula	022	81716	65616	12314	5537/	12400	81709	85630	88460
Tiree	100	81613	82216	13414	1567/	12707	81645	86361	88465
Aldergrove	917	71912	82022	13521	21532	13709	82825	83365	87075
Malin	980	72107	86022	12720	3857/	14707	81822	87464	
Belmullet	976	81917	57586	12116	863//	15806	84709	87715	87636
Birr	965	71908	82032	14420	785//	15501	85821	86636	
Dublin	969	62013	89012	14821	48532	15601	83822	83635	
Shannon	962	71915	86032	13819	78532	16603	85822		
Roches Point	952	81610	56106	16514	862//	14702	85703	88706	
Valentia	953	81813	58102	14116	863//	14602	88709		

OBSERVATIONS during DAY

Station	iii	RRT_xT_E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00260	141	+	+
Hurn	862	00240	143	+	+
Manston	797	00250	151	+	+
Gatwick	776	00270	139	+	+
Kew	775	00270	134	+	+
Heathrow	772	00280	145	+	+
Honington	586	00270	132	+	+
Wattisham	590				
Gorleston	497		138		
Aberporth	502	00200	096	+	FF
Filton	628	00260	147	+	+
Rhoose	715	00250	144	+	+
Hartland Point	703	00170	145		
Mount Batten	827	00230	149	+	+
St. Mawgan	817	00210	145	jf	+
Scilly	804	00210	141	+	+
Culdrose	809	00220	150	+	+
Guernsey	894	00250	138	+	+
Elmdon	534	00250	137	+	+
Cardington	559	00270	148	+	+
Wittering	462	00250	141	+	+
Watnall	354	00260	104	+	+
Shawbury	414	00250	114	+	+
Finningley	360	00260	122	+	+
Spurn Point	396			+	+
Leeming	257	00240	090	+	+
Tynemouth	262	00230	108	+	+
Carlisle	222	00210	089	+	+
Valley	302	97161	019	id_off	ff
Ringway	334	00240	116	+	+
Squires Gate	318	00210	086	+	+
Ronaldsway	204	97151	002	d_off	ff
Mull of Galloway	131	00130			
Eskdalemuir	162	97181	050	r_o	+
Prestwick	135	00211	122	+	+
Abbotsinch	140	00210	138	+	+
Leuchars	171	00230	110	+	+
Dyce	091	00220	085	+	+
Lerwick	005	00170	074	+	+
Wick	075	97160	016	ir_o	ir_o
Sule Skerry	010	00150			
Cape Wrath	049	01151	023	ir_o	ir_o
Stornoway	026	97141	003	r_o	r_o
Benbecula	022	03141	000	rr_or_oR	$r_or_oir_o$
Tiree	100	02141	000	ir_orr_o	ir_o
Aldergrove	917	00230	140	+	+
Malin	980	0020	007		
Belmullet	976	9717	018		
Birr	965	9722	081		
Dublin	969	0023	113		
Shannon	962	9723	080		
Roches Point	952	9116	006		
Valentia	953	0019	034		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

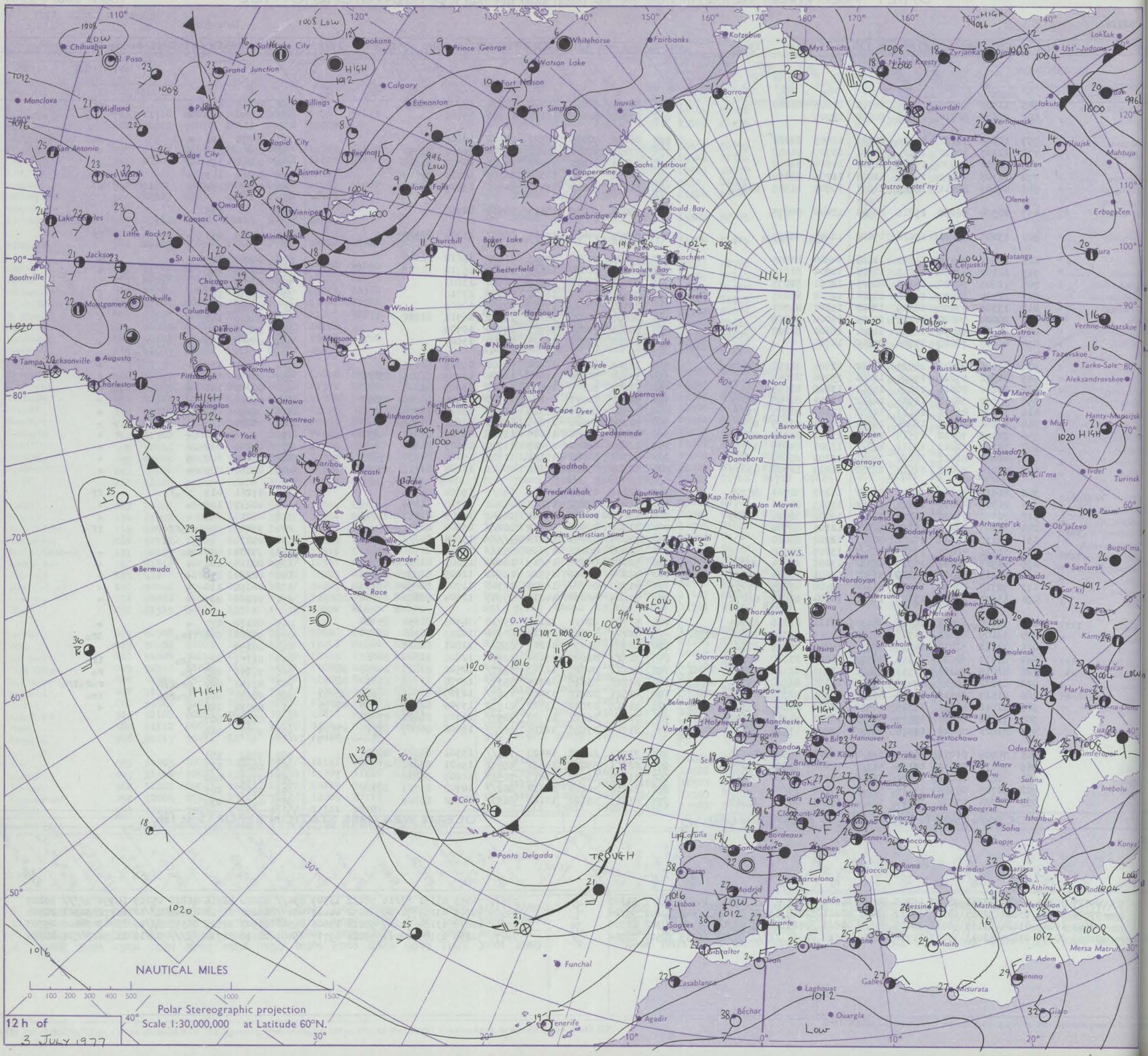
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	03121	83211	98022	16308	845//	00216	88621	/////	05304	10985	3////	34307
L	99570	70205	03124	72307	98158	99912	784//	00211	82815	83630	0//08	11240	30201	99/06
M	99663	10015	03124	81117	98022	19608	855//	00603	82625	88635	0//05	10934	30302	01903
R	99469	70171	03124	52013	97022	11716	45640	00610	84630	/////	0//16	11639	30502	27904

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	03181	83210	98022	16309	834//	00000	82916	86820	05205	10990	3////	36207
L	99569	70206	03184	71705	98032	00012	4847/	00000	81712	83645	0//10	11272	30301	22806
M	99662	10012	03184	71217	98022	18808	25542	00503	82625	86357	0//07	10947	30403	05903
R	99470	70169	03184	22014	98021	09717	26401	00710	81710	/////	0//16	11650	30501	28804

. Met.O. 8 All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Low
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Manclova
Midland
San Antonio
Fort Worth
Lake Charles
Jackson
Boothville
Tampa
Jacksonville
Augusta
Charleston
Norfolk
Washington
HIGH
1024
Grand Junction
Salt Lake City
Billings
Rapid City
Dodge City
Bismarck
Omaha
Kansas City
Little Rock
St. Louis
Nashville
Montgomery
Columbus
Chicago
Detroit
Pittsburgh
Toronto
Ottawa
Montreal
New York
Boston
Caribou
Yarmouth
Sable Island
Bermuda
Spokane
Prince George
Calgary
Edmonton
Regina
Winnipeg
Minneapolis
Nakina
Winisk
Moosonee
Port Harrison
Mitchenuon
Fort Chimo
Resolution
Cape Race
Gander
Stephenville
Argentia
Jacose
Amicosti
Whitehorse
Watson Lake
Fort Nelson
Fort Simpson
Fort Smith
Inuvik
Coppermine
Sachs Harbour
Cambridge Bay
Baker Lake
Churchill
Chesterfield
Coral Harbour
Nottingham Island
Lake Harbour
Cape Dyer
Upernavik
Godthab
Fredrikshab
Aputiteq
Angmagssalik
Kap Tobin
Jan Mayen
Prins Christian Sund
Galarnuit
Thorshavn
Stornoway
Belmullet
Valentia
Holyhead
Belfast
Manchester
Birmingham
London
Scilly
Brussels
Ostende
Paris
Dijon
Bern
Clermont-Ferrand
Bordeaux
Santander
La Coruña
Porto
Lisboa
Sagres
Madrid
Barcelona
Mahón
Alicante
Gibraltar
Casablanca
Agadir
Tenerife
Funchal
Corvo
Lajes
Ponta Delgada
TROUGH
Fairbanks
Kotzebue
Barrow
Resolute Bay
Arctic Bay
Eureka
Alert
Thule
Hyde
Nord
Danmarkshavn
Daneborg
Barentsburg
Hopen
Tromsø
Bodø
Myken
Nordoyan
Vaasa
Helsinki
Oslo
Stockholm
Ulsira
Aalborg
København
Hamburg
Berlin
Hannover
Praha
Kiel
Wien
Klagenfurt
Zagreb
Venezia
Genova
Milano
Ancona
Roma
Ajaccio
Brindisi
Beograd
Sofia
Skopje
Athinai
Heraklion
Rodos
Istanbul
Inebolu
Sulina
Odessa
Simferopol'
Sevastopol'
Kerč
Rostov
Volgograd
Astrahan'
Kazan'
Arhangel'sk
Ob'jačevo
Perm'
Kirov
Kotlas
Vologda
Leningrad
Moskva
Minsk
Kiev
Lvov
Smolensk
Kaliningrad
Gdańsk
Warszawa
Czestochowa
Bucuresti
Mathon
Messina
Malta
Tunis
Gabes
Misurata
Laghouat
Ouargla
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Nižnie Kresty
Zyrjanka
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Ostrov Kotel'nyj
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Ust'-Judoma
Lokšak
Ust'-Maja
Ust'-Milijsk
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Russkaja Gavan'
Mare-Sale
Tazovskoe
Tarko-Sale
Aleksandrovskoe
Malye Karmakuly
Muži
Hanty-Mansijsk
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Ob'-Cil'ma
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Verhne-Imbatskoe
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Sančursk
Bugul'ma
Kamyšlov
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Har'kov
Tuapse
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Mersa Matruh
El Adem
Benina
Gialo
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Laghouat
Gabes
Misurata
Agadir
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Sagres
Madrid
Barcelona
Mahón
Alicante
Tenerife
Funchal
Corvo
Lajes
Ponta Delgada
Sable Island
Cape Race
Gander
Stephenville
Argentia
Jacose
Amicosti
Yarmouth
Caribou
Bermuda
Nakina
Winisk
Moosonee
Port Harrison
Mitchenuon
Fort Chimo
Resolution
Cape Dyer
Upernavik
Godthab
Fredrikshab
Aputiteq
Angmagssalik
Kap Tobin
Jan Mayen
Prins Christian Sund
Galarnuit
Thorshavn
Stornoway
Belmullet
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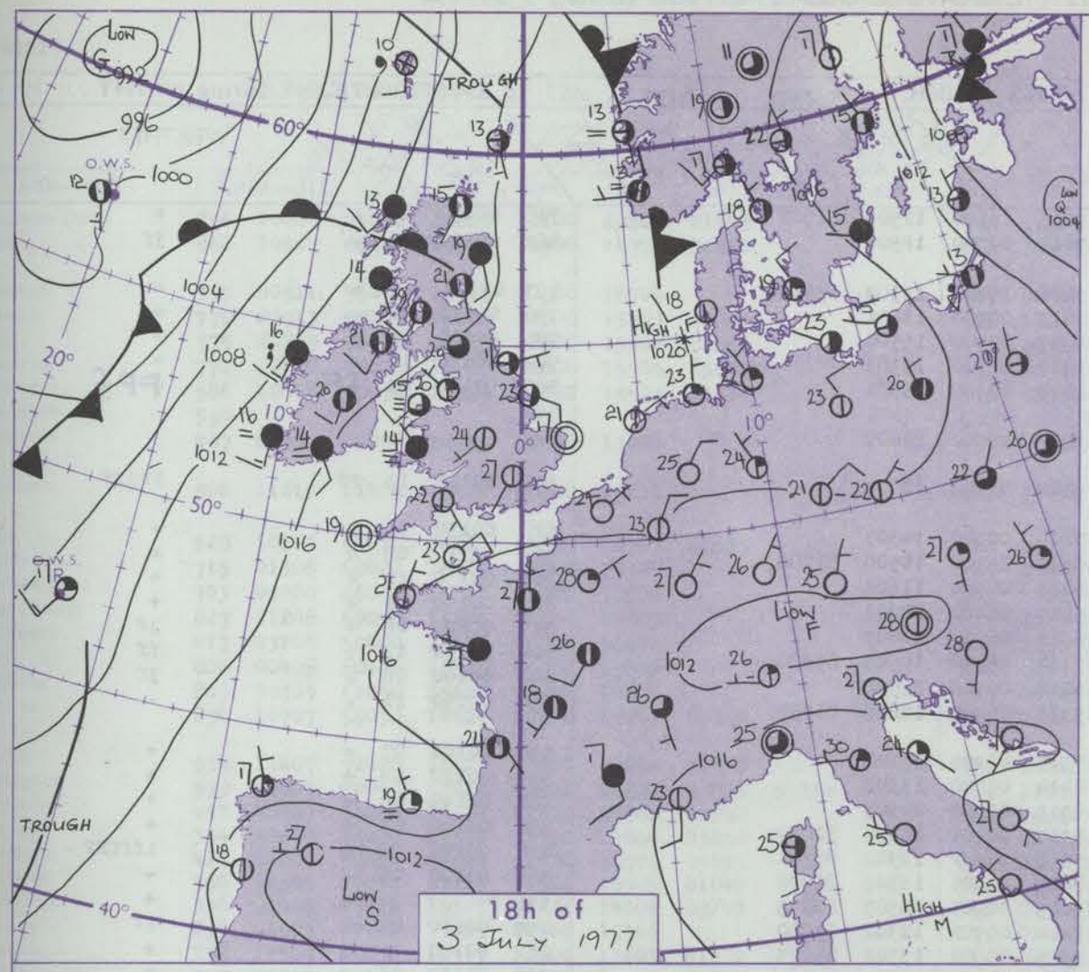
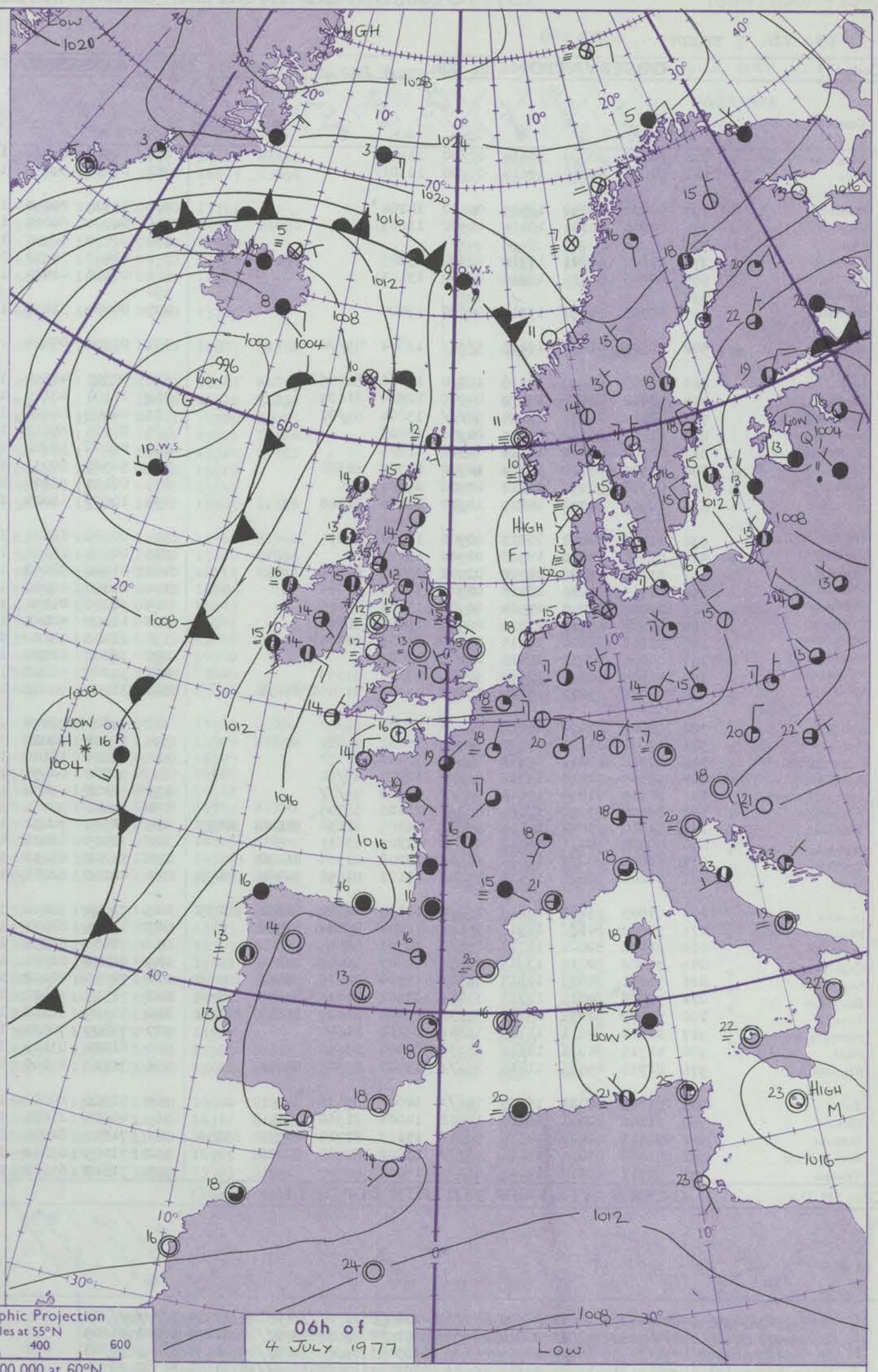
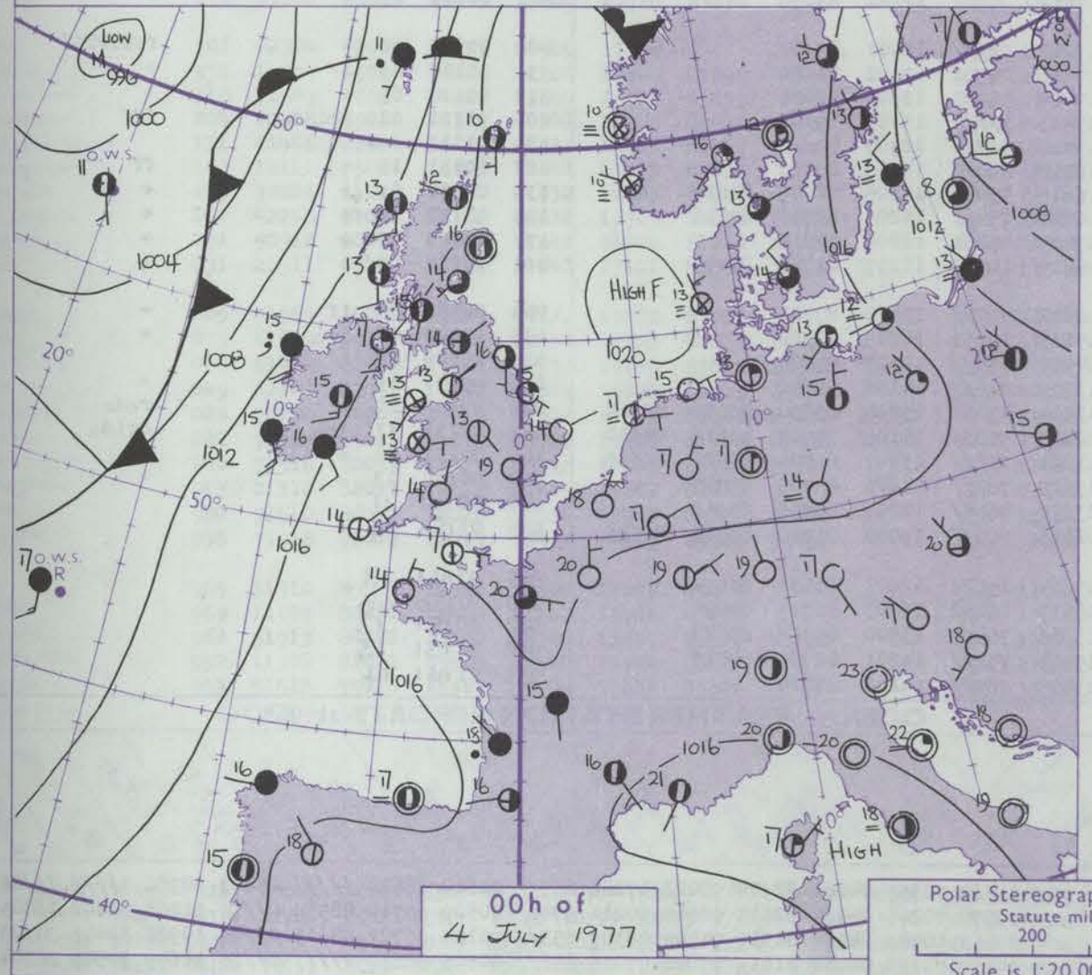






Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday MONDAY 4 JULY 1977

A depression south of Iceland has been slow-moving and filling while, in the pronounced trough to the south, a new low has formed near O.W.S. 'R'. Shallow, complex low pressure has persisted from Spain to central Europe but relatively high pressure has persisted from Italy to Denmark. During the next 24 hours low south of Iceland will remain slow-moving and continue to fill slowly. The new low will move southeast towards Portugal as thundery lows form over Spain and France.

High pressure will persist over the North Sea giving a ridge of high pressure over eastern areas of the British Isles while a very weak frontal trough will affect the northwest.

Code FM 11.V **OBSERVATIONS at 00h.** 4 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	00000	80020	17517	00900	13502			
Hurn	862	00000	50050	17614	00900	12301			
Manston	797	00707	45050	18515	00900	14204			
Gatwick	776	00000	60110	18114	00900	13203			
Kew	775								
Heathrow	772	01502	62021	17719	00900	13203			
Honington	586	00906	59050	18915	00900	13103			
Wattisham	590								
Gorleston	497	00702	24050	19314	00900	14400			
Aberporth	502	90903	01454	17613	9////	13804	89/00		
Filton	628	11903	58050	17316	16200	14000	81705		
Rhoose	715	10402	80020	17013	00901	12804	81075		
Hartland Point	703	90412	01474	17613	9////	13804	89/00		
Mount Batten	827	01002	75020	16815	00900	12803			
St. Mawgan	817	00304	80010	17114	00900	11805			
Scilly	804	10305	66010	18114	10970	14703	81360		
Culdrose	809	00307	70050	16613	00900	09709			
Guernsey	894	10907	70020	16817	10930	11400	81360		
Elmdon	534	11502	70020	17813	00901	12000	81075		
Cardington	559	01506	62020	18316	00900	13002			
Wittering	462	21306	56020	18516	00901	13400	82075		
Watnall	354	21105	62020	18316	00901	13002	82075		
Shawbury	414	22402	50040	17714	00901	13104	82075		
Finningley	360	61504	63031	17815	00901	13002	86075		
Spurn Point	396	21206	66020	19215	00901	13203	82075		
Leeming	257	00000	70010	18415	00900	13105			
Tynemouth	262	41805	66021	18817	30941	13106	83359		
Carlisle	222	50702	75012	17814	15642	13103	81645	84074	
Valley	302	92007	05474	18013	9////	12001	89/00		
Ringway	334	12002	65110	17717	00901	15002	81080		
Squires Gate	318	10502	60010	17913	00902	12400	81072		
Ronaldsway	204	92405	01474	17712	9////	12104	89/00		
Mull of Galloway	131	92115	01454	17011	9////	11308	89///		
Eskdalemuir	162	82006	57052	18114	862//	13106	88705		
Prestwick	135	71910	75022	16615	55642	14305	81630	84640	86075
Abbotsinch	140	40902	70031	16414	45401	12207	83615		
Leuchars	171	62406	80032	16714	10942	11208	81364	86070	
Dyce	091	70000	86022	15616	15742	11102	81656	84364	86072
Lerwick	005	71803	15282	17410	26072	10104	82701	84362	87075
Wick	075	72802	60006	14912	5563/	11400	85640	87360	
Sule Skerry	010	81405	82022	14712	855//	10701	88625		
Cape Wrath	049	71802	82016	13915	2257/	12603	82820	87460	
Stornoway	026	71811	80022	12913	5557/	11704	82625	84656	87462
Benbecula	022	71506	80016	12313	3543/	12501	81715	83645	86360
Tiree	100	71809	82032	13413	5553/	12400	82629	85647	86359
Aldergrove	917	21812	80011	15117	15641	15212	81640		
Malin	980	41719	84011	12618	35730	14000	83656		
Belmullet	976	81718	45586	11515	863//	15702	85706	88711	
Birr	965	71813	80031	15315	756//	14001	87636		
Dublin	969	11802	82011	16116	10932	14004	81360		
Shannon	962	71513	82022	14616	5543/	13103	82714	84620	85359
Roches Point	952	81508	65025	16416	863//	13802	82708	88722	
Valentia	953	81713	60215	14015	863//	15602	88708		

OBSERVATIONS at 06h. 4 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	10502	66020	17215	16100	12500	81702		
862	00000	50050	17014	00900	12500			
797	30305	20050	17416	35400	15302	83618		
776	00000	60020	17413	00900	13601			
775	00000	40050	18017	00900	15500			
772	03403	37050	17617	00900	13303			
586	00402	01424	18413	00900	13501			
590								
497	00000	32050	19015	00900	13400			
502	01304	05424	16512	00900	12705			
628	00905	40050	17215	00900	14303			
715	11103	40100	16615	16300	14500	81706		
703	00000	66024	16215	00900	11604			
827	00905	65010	15817	00900	12802			
817	00000	30400	16313	00900	11603			
804	50306	60031	17114	55500	14603	85620		
809	00105	56400	16012	00900	11502			
894	10607	66020	15316	10980	12606	81359		
534	00000	60100	17913	00900	13304			
559	00802	25100	18414	00900	13302			
462	01402	56050	18715	00900	14303			
354	10000	40050	18317	00901	14204	81080		
414	90000	01454	17612	9////	12302	89/01		
360	11002	50041	18515	00901	13308	81078		
396	21405	28100	19015	00901	14303	82075		
257	31802	62020	18414	00901	12302	83080		
262	32005	56020	18515	00901	13302	83075		
222	31802	70031	17612	00902	12101	83074		
302	90000	02474	17212	9////	12001	89/00		
334	10602	70020	17616	00901	12102	81080		
318	21004	58100	17414	00901	13400	82078		
204	90902	02455	17413	9////	13103	89/01		
131	92106	01454	17012	9////	12307	89///		
162	80000	02464	18213	860//	13105	88700		
135	51508	70031	16815	45342	14105	81709	84612	
140	71305	62021	16617	754//	14205	85710	87616	
171	51202	68031	17414	45431	12208	84615		
091	42105	82011	16215	10932	11209	81364	84075	
005	71604	56102	16812	760//	12400	87701		
075	11805	82021	15115	10931	10209	81360		
010	71410	81031	14412	755//	11303	87625		
049	81803	82031	13717	856//	14106	88640		
026	72010	80022	13114	45632	13208	83630	83650	85362
022	71515	75012	12215	5533/	14106	81707	83616	85640
100	71517	62102	13813	752//	13207	81704	84620	86645
917	71807	70021	15615	762//	14106	83705	87707	
980	61821	83011	13317	4644/	14004	83715	83359	
976	71718	64106	11116	764//	15000	81710	85716	86636
965	51506	80012	15014	15602	12601	81636	85070	
969	40000	81021	16115	16432	13003	81715	84070	
962	71313	82031	13916	764/2	13500	85716	83622	
952	71409	65012	15714	752//	14801	82704	87626	
953	71613	65102	13415	764//	14101	87710		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00140	08	+	+
862	00110	07	+	jf
797	00140	11	+	+
776	00110	08	+	+
775	00130	08	+	+
772	00160	10	+	+
586	97110	09	fF	FFf
590				
497				
502	00121	13	FF	FFjff
628	00130	06	+	+
715	00110	08	+	+
703	00130	11	+	+
827	00150	11	+	+
817	00120	06	+	jf
804	00130	12	+	ff
809	00100	08	+	jf
894	00150	11	+	+
534	00100	07	+	+
559	00120	08	+	+
462	00140	09	+	+
354	00140	09	+	+
414	00100	06	+	ifffFF
360	00120	08	+	+
396			+	+
257	00110	09	+	if
262	00140	11	+	+
222	00100	06	+	+
302	00121	12	+	ffffFFif
334	00140	09	+	+
318	00120	09	+	+
204	91121	12	FFd_od_o	ffF
131	91111			
162	00131	13	+	ff
135	00130	09	+	+
140	00130	12	+	+
171	00120	07	+	+
091	00100	04	+	+
005	00100	08	if	+
075	97100	07	ir_o	+
010	00100	10		
049	97101	10	+	+
026	97121	10	+	rod_o
022	02131	11	ir_o	$drid_o$
100	00131	11	+	+
917	00140	13	+	+
980	00161	11		
976	03151	14		
965	97141	13		
969	97130	08		
962	00151	13		
952	97131	13		
953	01141	14		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	04001	83208	98022	18308	855//	00211	88622	/////	05204	10934	3////	///06
L	99570	70205	04004	71606	98028	00611	784//	00201	82818	87645	0//10	11279	30201	21805
M	99664	10009	04004	81317	97205	18609	853//	00503	83709	88620	0//09	10934	30403	99/03
R	99469	70171	04004	81817	97021	09317	3562/	00802	83630	88460	0//16	11650	30502	26704

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	04061	82906	98022	17208	855//	00610	88622	/////	05403	10980	3////	///06
L	99570	70205	04064	82605	98618	00211	5742/	00500	85710	88550	0//10	11261	30202	16805
M	99663	10009	04064	81317	94505	18309	853//	00104	86707	88615	0//09	10925	30403	99/03
R	99469	70169	04064	81815	97026	07016	856//	00605	88630	/////	0//16	11649	30503	26804

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Brack

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42229

Date of Issue TUESDAY 5 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 4 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10809	75030	15825	11600	10805	81845		
Hurn	862	10507	66030	15626	11700	14707	81850		
Manston	797	00511	56051	16523	00900	15704			
Gatwick	776	20913	57040	16226	22600	15703	82840		
Kew	775	20809	58050	16925	22600	15602	82840		
Heathrow	772	30910	56050	16226	32600	15706	83840		
Honington	586	40706	50054	17525	32602	15503	83834		
Wattisham	590								
Gorleston	497	00307	24050	18715	00900	13702			
Aberporth	502	01610	11404	15423	00900	15611			
Filton	628	10805	68030	16125	11600	16707	81835		
Rhoose	715	01308	68020	15724	00900	15706			
Hartland Point	703	00000	66050	15718	00900	13604			
Mount Batten	827	01208	68050	15225	00900	16605			
St. Mawgan	817	03206	50400	15420	00900	16603			
Scilly	804	00408	60404	16319	00900	15802			
Culdrose	809	00709	62050	15621	00900	14801			
Guernsey	894	10707	58050	14624	10930	18702	81360		
Elmdon	534	11407	72020	16625	11600	14804	81842		
Cardington	559	51307	50051	17425	42501	18802	82820	84830	
Wittering	462	40807	58050	17624	42600	16802	84840		
Watnall	354	31607	65030	17325	31700	13804	83850		
Shawbury	414	51007	50044	16025	52600	18709	85835		
Finningley	360	11306	70030	17825	11600	15705	81840		
Spurn Point	396	91007	03474	19317	9////	14302	89/03		
Leeming	257	01607	62040	17725	00900	15706			
Tynemouth	262	11509	23050	18517	12600	13603	81830		
Carlisle	222	31202	80031	16625	32600	17710	83830		
Valley	302	02304	62044	16023	00900	17708			
Ringway	334	11707	65020	16826	11600	15707	81845		
Squires Gate	318	11507	62030	16626	11600	16706	81835		
Ronaldsway	204	10908	65014	16717	00901	13608	81075		
Mull of Galloway	131	61406	02444	17113	6091/	12803	86460		
Eskdalemuir	162	12111	75024	16823	12602	13703	81830		
Prestwick	135	32806	81011	16620	11532	14803	81822		
Abbotsinch	140	42208	81021	16323	18532	12705	81828	83072	
Leuchars	171	50912	80011	17219	11542	14704	81820	85075	
Dyce	091	21511	89020	16223	11642	15101	81840		
Lerwick	005	71507	30052	17215	761//	13302	87701		
Wick	075	61609	89031	15916	18642	12303	81835	86075	
Sule Skerry	010	61404	82022	15616	3553/	13105	83625	86360	
Cape Wrath	049	62307	82012	14818	58504	16106	82825	85630	
Stornoway	026	72220	70206	14617	6543/	14306	81710	83618	86630
Benbecula	022	71717	65016	13817	65232	14206	81705	83616	86624
Tiree	100	71516	60052	15015	6623/	14001	81705	86710	
Aldergrove	917	21310	82011	14822	11401	15802	81818		
Malin	980	71510	86022	14020	55532	15002	85627	85070	
Belmullet	976	71918	82012	12017	764//	14103	85718	85636	
Birr	965	31710	85011	14320	32500	12806	83824		
Dublin	969	11107	80011	15418	11102	13706	81702		
Shannon	962	51713	84022	13620	58500	13807	82826	83630	
Roches Point	952	11308	82021	15516	18500	13701	81820		
Valentia	953	51518	75016	13319	52500	15801	85820		

OBSERVATIONS at 18h. 4 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10809	64010	13724	11600	14610	81840		
Hurn	862	31603	56050	13923	35700	16609	83650		
Manston	797	00414	57050	14419	00900	13711			
Gatwick	776	10614	58040	14523	00901	14711	81080		
Kew	775	00912	65020	14923	00900	13709			
Heathrow	772	10910	59010	14725	15700	13708	81650		
Honington	586	00711	58021	16423	00900	12702			
Wattisham	590								
Gorleston	497	00509	48050	16915	00900	13715			
Aberporth	502	10406	66024	14718	10930	14807	81368		
Filton	628	40710	62030	13826	42600	16612	84835		
Rhoose	715	10706	67010	13525	12600	15612	81830		
Hartland Point	703	10000	60050	14218	00901	14709	81075		
Mount Batten	827	11805	66050	13523	10981	15711	81364		
St. Mawgan	817	11507	62010	13724	10930	13710	81362		
Scilly	804	00609	60020	14617	00900	15817			
Culdrose	809	00707	40050	13620	00900	15711			
Guernsey	894	20709	58050	13221	10932	13509	81363		
Elmdon	534	10906	62040	14924	11600	16710	81840		
Cardington	559	21210	58051	15224	22600	17610	82835		
Wittering	462	20410	58050	15823	21600	18710	82845		
Watnall	354	00712	60051	16123	00900	16606			
Shawbury	414	01006	68011	14525	00900	16607			
Finningley	360	01010	60050	16523	00900	16702			
Spurn Point	396	00910	35104	18216	00900	13806			
Leeming	257	01409	68050	17024	00900	14500			
Tynemouth	262	01515	56050	17617	00900	12605			
Carlisle	222	13005	68020	15025	11600	15606	81840		
Valley	302	12408	63040	14522	00902	13707	81080		
Ringway	334	11209	64020	15425	11700	14707	81850		
Squires Gate	318	01509	68010	14926	00900	16708			
Ronaldsway	204	00904	56040	14621	00900	14612			
Mull of Galloway	131	01606	58054	15019	00900	14712			
Eskdalemuir	162	11606	75010	15024	11600	15709	81840		
Prestwick	135	22902	70011	14923	18601	15708	81835		
Abbotsinch	140	22007	80020	14725	28600	14706	82840		
Leuchars	171	10711	62051	16418	11602	14605	81840		
Dyce	091	11509	86011	16021	10942	13502	81368		
Lerwick	005	32009	50051	17913	16002	12301	81700	83070	
Wick	075	61510	75021	15716	11642	13605	81830	86075	
Sule Skerry	010	70505	82032	15716	10931	13705	81360	87075	
Cape Wrath	049	40902	80011	15416	30942	15801	83360	84075	
Stornoway	026	32316	82015	14319	15632	15504	81640		
Benbecula	022	21710	81011	14318	15440	14302	81618		
Tiree	100	11607	82011	14317	11501	14708	81824		
Aldergrove	917	01510	70020	13822	00900	14707			
Malin	980	13501	82031	12914	11502	12509	81825		
Belmullet	976	32114	82031	11918	38400	13602	81718		
Birr	965	11908	85020	13021	11500	10604	81825		
Dublin	969	10905	84021	13617	11500	14712	81828		
Shannon	962	11708	86021	12621	11600	14704	81833		
Roches Point	952	11306	75020	14515	16400	14705	81716		
Valentia	953	31515	82011	13218	32500	13703	83822		

OBSERVATIONS during DAY

Station	iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00260	131 +		+
Hurn	862	00260	126 +		+
Manston	797	00230	121 +		+
Gatwick	776	00260	135 +		+
Kew	775	00260	136 +		+
Heathrow	772	00280	133 +		+
Honington	586	00260	132 +		+
Wattisham	590				
Gorleston	497		112		
Aberporth	502	00250	130 fjfF		jf
Filton	628	00270	112 +		+
Rhoose	715	00270	135 +		+
Hartland Point	703	00210	139		
Mount Batten	827	00260	137 +		+
St. Mawgan	817	00250	135 jf		+
Scilly	804	00190	096 ff		jf
Culdrose	809	00220	138 +		+
Guernsey	894	00240	137 +		+
Elmdon	534	00260	117 +		+
Cardington	559	00270	126 +		+
Wittering	462	00250	121 +		+
Watnall	354	00260	121 +		+
Shawbury	414	00270	104 +		+
Finningley	360	00270	136 +		+
Spurn Point	396		ff		+
Leeming	257	00270	141 +		+
Tynemouth	262	00190	142 +		+
Carlisle	222	00280	138 +		+
Valley	302	00250	119 +		+
Ringway	334	00270	140 +		+
Squires Gate	318	00270	139 +		+
Ronaldsway	204	00220	092 fjf		+
Mull of Galloway	131	00190			
Eskdalemuir	162	00250	127 +		+
Prestwick	135	00240	142 +		+
Abbotsinch	140	00260	114 +		+
Leuchars	171	00220	121 +		+
Dyce	091	00240	154 +		+
Lerwick	005	00160	119 +		+
Wick	075	00210	156 +		+
Sule Skerry	010	00190			
Cape Wrath	049	00200	115 +		+
Stornoway	026	91211	081 d.r.id.		+
Benbecula	022	00201	067 +		+
Tiree	100	00171	086 +		+
Aldergrove	917	00240	131 +		+
Malin	980	0021	099		
Belmullet	976	0020	066		
Birr	965	0023	137		
Dublin	969	0019	151		
Shannon	962	0022	099		
Roches Point	952	0017	118		
Valentia	953	9720	062		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

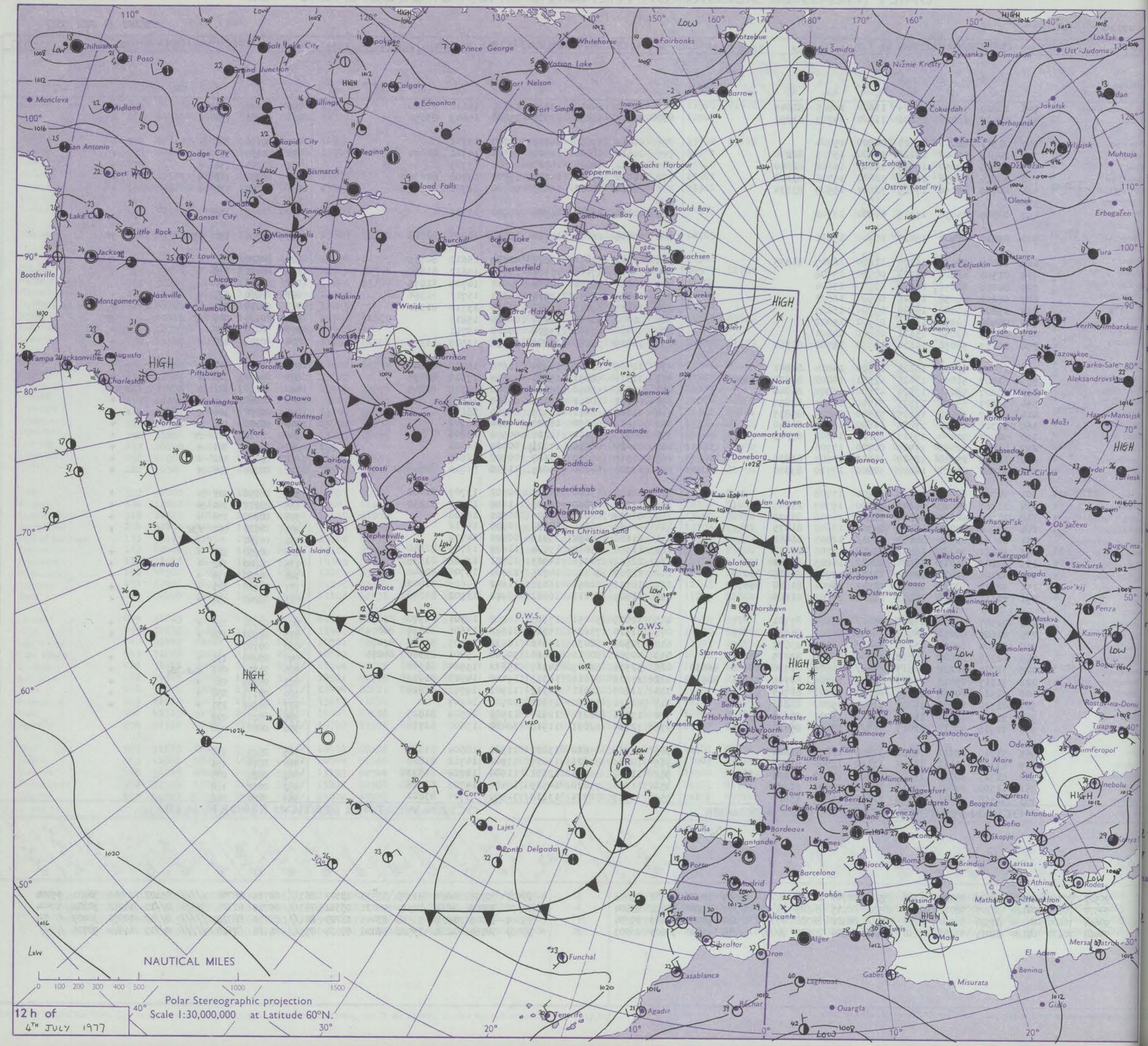
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	04121	83003	98022	16308	855//	00709	88622	/////	05304	10974	30301	35205
L	99570	70204	04124	32709	98018	02311	18531	00215	81825	/////	0//10	11270	30202	27804
M	99664	10006	04124	81516	94514	18709	873//	00102	88708	/////	0//10	10967	30403	99/04
R	99468	70170	04124	72011	97022	07216	756//	00304	87630	/////	0//16	11648	30603	26903

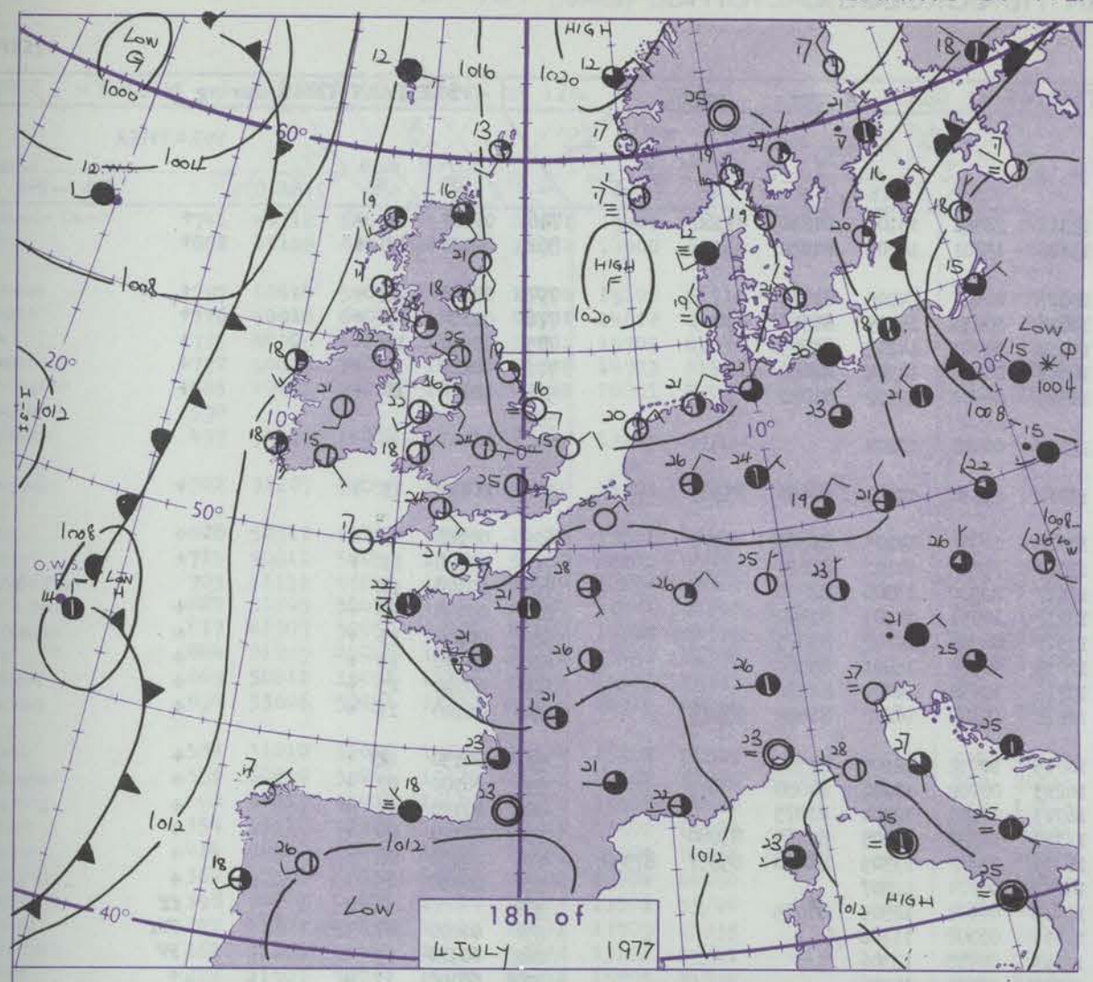
OCEAN WEATHER STATION REPORTS at 18h.

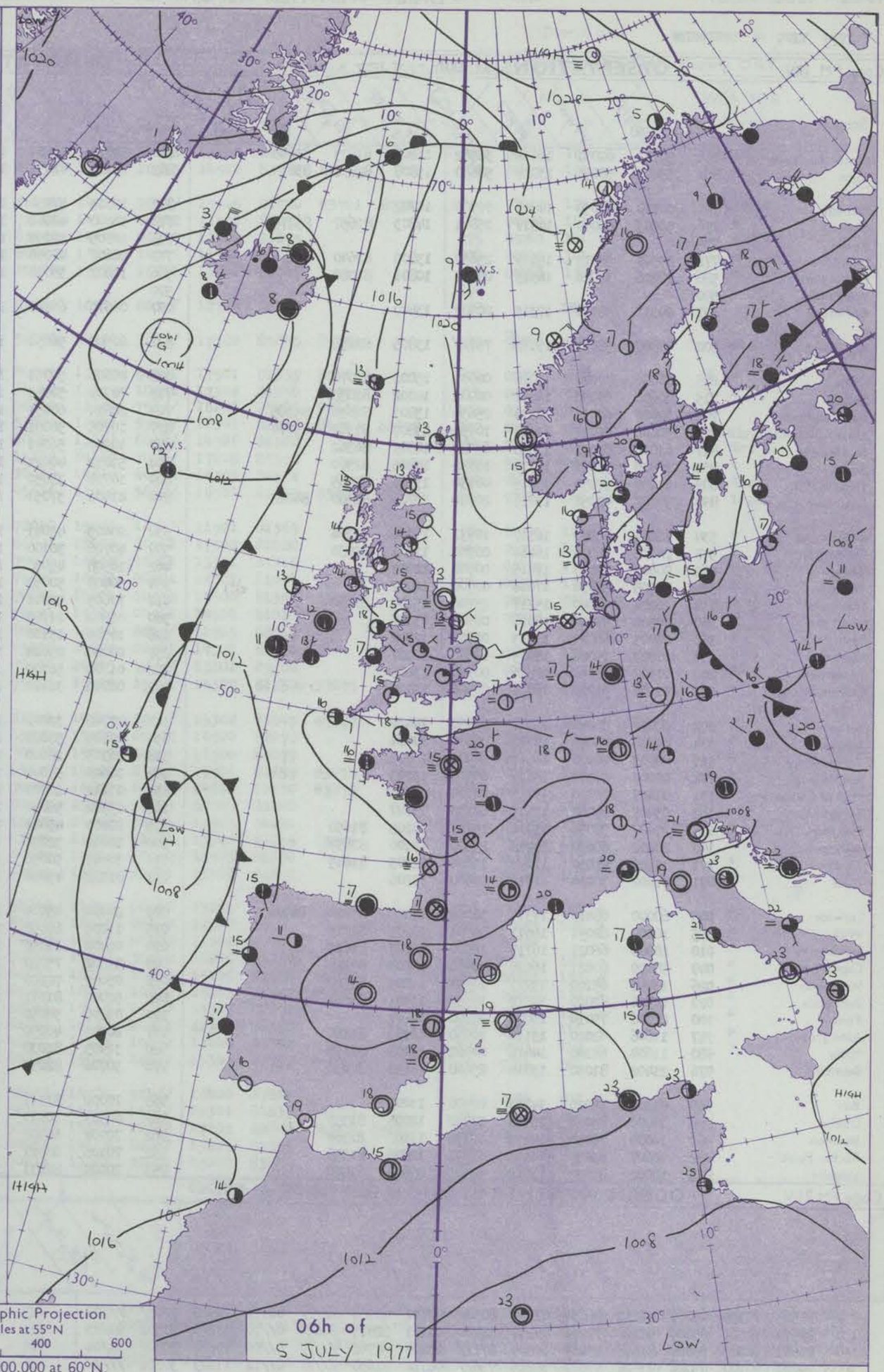
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	04181	81305	97515	13109	863//	00721	88708	/////	05107	11003	30201	35904
L	99570	70203	04184	72511	98031	05312	783//	00215	82708	83822	0//10	11272	30202	18804
M	99664	10003	04184	81516	93445	18709	861//	00702	88702	/////	0//10	10959	30403	99/04
R	99469	70169	04184	73521	97026	07814	755//	00106	87620	/////	0//13	11644	30706	/////

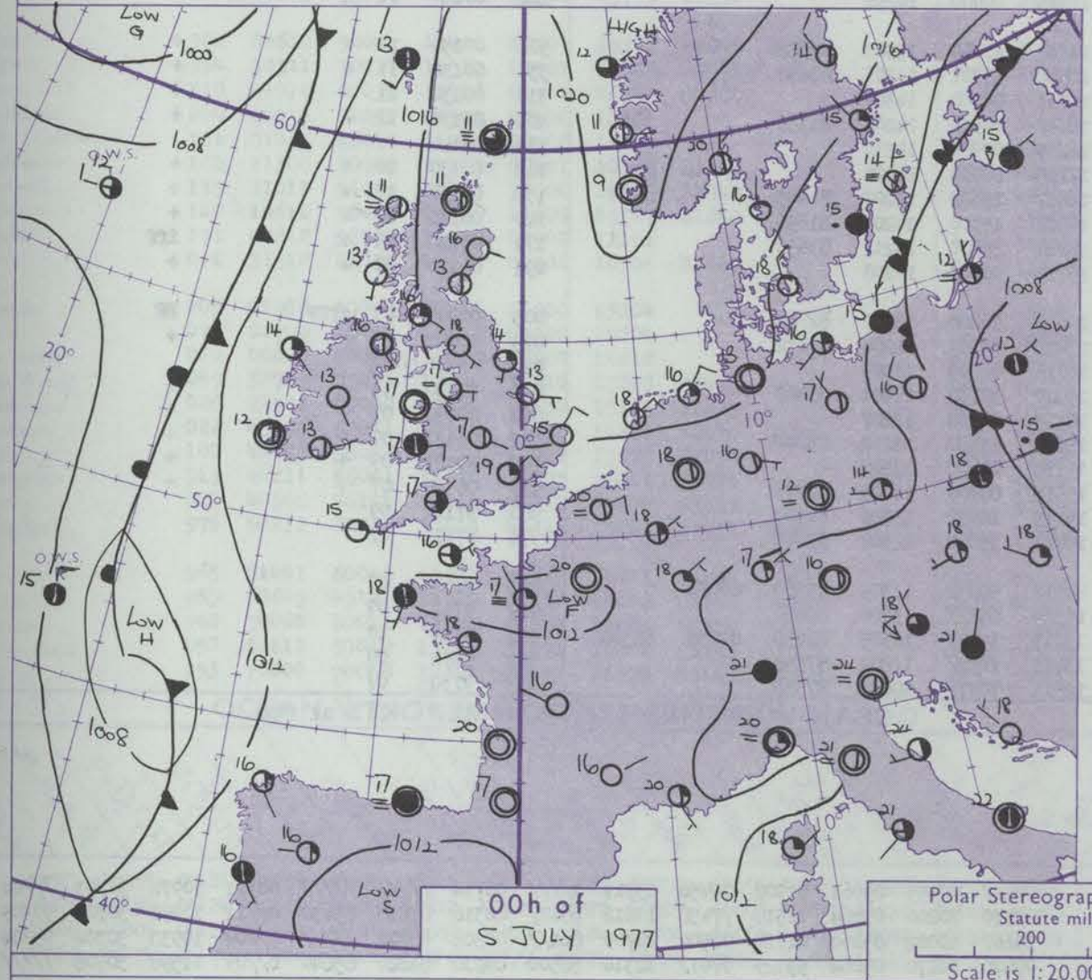
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday TUESDAY 5 JULY 1977

During the past 24 hours pressure remained high to the northeast of the British Isles; an associated ridge of high pressure moved slowly northwest to central districts whilst minor troughs moved westwards over some south and southwestern areas. During the next 24 hours the ridge of high pressure over central areas is expected to continue moving slowly northwestwards whilst a trough moves northwest from central France over southwestern districts.

Code FM 11.V **OBSERVATIONS at 00h.** 5 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_Ch_Ch_s$	$8N_Ch_Ch_s$	$8N_Ch_Ch_s$
Boscombe Down	746	50711	62031	14119	38582	11808	81825	83635	
Hurn	862	53403	50051	13717	58630	15808	82831	83635	
Manston	797	00714	57050	14917	00900	14702			
Gatwick	776	50503	50041	14917	25801	14803	82657	83075	
Kew	775								
Heathrow	772	20509	58011	15119	25630	13805	82640		
Honington	586	10206	35050	16913	00901	10801	81080		
Wattisham	590								
Gorleston	497	00312	58050	17315	00900	13400			
Aberporth	502	70808	58051	15117	757//	13805	87656		
Filton	628	10906	40020	15018	00901	15002	81078		
Rhoose	715	20606	59050	14217	00901	14002	82078		
Hartland Point	703	50000	60051	14319	25630	13801	82630	85365	
Mount Batten	827	50802	65011	13417	10931	13807	81362	85070	
St. Mawgan	817	61006	62021	13318	6098/	14809	86362		
Scilly	804	20808	58020	13715	10939	14805	82360		
Culdrose	809	40809	57050	13315	40930	13706	84365		
Guernsey	894	50607	45051	13216	20982	13706	82360	84078	
Elmdon	534	11002	45040	16317	10931	15004	81364		
Cardington	559	20706	56050	16614	00901	12801	82080		
Wittering	462	00407	57050	17415	00900	12003			
Watnall	354	00505	57050	17614	00900	12002			
Shawbury	414	20804	32040	15717	25700	15104	82650		
Finningley	360	00502	57040	18014	00900	11107			
Spurn Point	396	00905	66024	18613	00900	12002			
Leeming	257	01903	15040	18615	00900	14107			
Tynemouth	262	01607	48050	18814	00900	13205			
Carlisle	222	01206	59020	16818	00900	15110			
Valley	302	00000	58040	15317	00900	14000			
Ringway	334	01010	45040	16719	00900	14004			
Squires Gate	318	00907	40100	16517	00900	16108			
Ronaldsway	204	00000	50040	15614	00900	13105			
Mull of Galloway	131	01407	70010	15717	00900	13204			
Eskdalemuir	162	03402	60050	17615	00900	13107			
Prestwick	135	21207	59050	15916	15701	14105	81650		
Abbotsinch	140	20902	60050	15818	25800	15106	82657		
Leuchars	171	10202	45050	17113	15600	12203	81645		
Dyce	091	01002	70010	17716	00900	12206			
Lerwick	005	60000	08414	19311	36002	11105	83700	84072	
Wick	075	10000	62051	16611	00901	10205	81075		
Sule Skerry	010	10000	66021	16713	15500	12207	81625		
Cape Wrath	049	30000	80021	16516	30930	16203	83360		
Stornoway	026	13006	65100	15911	10931	11005	81360		
Benbecula	022	10906	82020	14712	15530	11001	81624		
Tiree	100	01906	75010	15013	00900	12207			
Aldergrove	917	11606	62020	15116	10930	12106	81360		
Malin	980	11604	68100	14416	00902	13109	81075		
Belmullet	976	21402	81030	13914	25600	13110	82638		
Birr	965	01501	75020	14813	00900	11007			
Dublin	969	10000	75010	15313	10932	12005	81359		
Shannon	962	10000	70010	14215	10932	13102	81360		
Roches Point	952	10607	62030	14213	10931	12805	81358		
Valentia	953	10000	82020	13012	00901	09804	81070		

OBSERVATIONS at 06h. 5 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_Ch_Ch_s$	$8N_Ch_Ch_s$	$8N_Ch_Ch_s$
746	50813	56051	13317	28681	13103	81830	83360	
862	13402	47051	13116	15701	14305	81650		
797	10813	57050	14617	00901	14305	81075		
776	30000	40041	14616	10931	15305	81365	83075	
775	10605	50050	15117	00901	14202	81075		
772	20606	47050	14617	00901	14304	82080		
586	10607	38050	16315	00902	12302	81080		
590								
497	00610	60020	17215	00900	12207			
502	60509	56051	13917	25730	14601	82656	85365	
628	40606	50051	14217	10931	14205	81362	83078	
715	70709	50051	13017	755//	14102	87620		
703	20814	60051	12617	22500	13804	82820		
827	10705	50051	12217	10931	14301	81360		
817	10907	56051	11917	00902	14702	81075		
804	51012	40021	12016	50979	15501	85360		
809	10710	38050	11715	10930	14000	81362		
894	41406	37051	11818	15782	16202	81656	83075	
534	20403	45041	16015	10932	12105	81362		
559	40706	30100	16213	00902	13106	84080		
462	10508	45050	16913	00901	12304	81075		
354	30408	50050	17314	10931	11005	81365	83080	
414	70603	50041	16015	1578/	13305	81650	85357	87359
360	03602	21100	18013	00900	12207			
396	10505	15100	18413	00901	12505	81075		
257	00000	03424	18711	00900	11106			
262	01706	56100	19213	00900	13306			
222	00910	32040	17315	00900	14206			
302	40706	32041	14718	21769	15303	82850		
334	10605	58020	16818	15701	11207	81650		
318	00908	28040	16715	00900	14309			
204	10609	34040	16117	10930	14208	81359		
131	01212	20020	16215	00900	14210			
162	03502	58050	17715	00900	14204			
135	20603	45041	16617	15602	15207	81645		
140	10000	32050	16915	15700	14208	81656		
171	30607	50050	18214	35700	13211	83650		
091	01302	45050	18715	00900	12208			
005	20704	45104	19613	26200	13302	82704		
075	11205	60050	17413	00901	12204	81072		
010	01404	74050	16713	00900	12303			
049	31802	75020	15920	30970	17301	83360		
026	03002	70100	16113	00900	12207			
022	50000	81011	15614	55600	13212	85640		
100	01806	58050	15714	00900	13208			
917	20905	40050	15514	00909	12205	82175		
980	31905	81030	15213	10932	13206	81360		
976	30706	82030	14013	35602	12304	83640		
965	70000	81111	14612	50932	11305	85360	86070	
969	60503	70011	15314	657//	13206	86650		
962	70902	60108	13913	1578/	12305	81650	84358	85360
952	70106	68021	13413	7097/	11802	87358		
953	70000	82031	12511	7097/	10601	87360		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00160	14 +		+
862	00150	12 +		+
797	00160	14 +		+
776	00150	11 +		+
775	00150	12 +		+
772	00160	14 +		+
586	00110	10 +		+
590				
497				
502	00160	13 +		+
628	00160	13 +		+
715	00150	11 +		+
703	00170	14		
827	00150	12 +		+
817	00160	13 +		+
804	00140	13 +		+
809	00140	13 +		+
894	00140	11 +		+
534	00130	10 +		+
559	00100	07 +		+
462	00120	11 +		+
354	00120	09 +		+
414	00130	08 +		+
360	00100	05 +		+
396		+		ff
257	00090	07 1fF		FFf
262	00120	10 +		FF
222	00140	11 +		+
302	00150	12 +		+
334	00150	11 +		+
318	00130	11 +		+
204	00130	12 +		+
131	00140			
162	00130	10 +		+
135	00150	13 +		+
140	00130	10 +		+
171	00120	09 +		1ff
091	00120	07 +		+
005	00091	07 fffF		FF
075	00090	05 +		+
010	00101	08		
049	00130	11 +		+
026	00090	07 +		+
022	00121	07 +		+
100	00121	09 +		+
917	00120	07 +		+
980	9712	09		
976	9711	07		
965	9710	07		
969	9712	09		
962	9712	10		
952	9712	09		
953	9710	07		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_Ch_Ch_s$	$8N_Ch_Ch_s$	$OT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	05001	81012	96636	07810	8032/	00731	88508	/////	00110	10960	3/05/	///04
L	99570	70201	05004	52708	97251	09211	58400	00121	82815	84630	0//11	11279	30302	99/03
M	99661	10003	05004	81618	93465	19809	871//	00206	88702	/////	0//09	10926	30302	99/04
R	99470	70170	05004	73526	97022	10815	756//	00116	87630	/////	0//12	11623	30706	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_Ch_Ch_s$	$8N_Ch_Ch_s$	$OT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	05061	91908	91456	03311	9////	00714	/////	/////	00311	10972	3//03	///04
L	99570	70200	05064	72510	97158	11812	6847/	00316	83818	85630	0//11	11252	30202	99/03
M	99667	10002	05064	81717	91504	20709	861//	00308	88702	/////	0//09	10933	30302	99/04
R	99470	70170	05064	53329	97012	12314	58500	00210	81820	85640	0//09	11598	30708	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bra

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42230

Date of Issue WEDNESDAY 6 JULY 1977

OBSERVATIONS at 12h. 5 JULY 1977

Code FM 11.V

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	40712	62051	13525	11601	15401	81835	84080	
Hurn	862	41108	62011	13226	10932	14400	81360	84070	
Manston	797	10414	57051	14619	16401	15102	81710		
Gatwick	776	60918	60031	14025	00901	14602	81075	86080	
Kew	775	40909	62021	14725	11601	15703	81840	84075	
Heathrow	772	50813	58011	14326	11608	14703	81835	85280	
Honington	586	40411	75020	16023	00902	10801	84080		
Wattisham	590								
Gorleston	497	90415	14804	17613	9////	13203	89/00		
Aberporth	502	71207	57052	13223	48630	15801	83830	86362	
Filton	628	50912	62011	13924	22680	17801	82838	84358	
Rhoose	715	50811	57059	13422	50780	16001	85356		
Hartland Point	703	41110	56050	12323	40940	17202	84360		
Mount Batten	827	51209	50051	12324	11780	19301	81856	85360	
St. Mawgan	817	41507	50050	12124	40980	16302	81358	84360	
Scilly	804	81209	40026	12418	853//	16400	86706	88628	
Culdrose	809	50811	35051	12121	50950	15302	85363		
Guernsey	894	53606	50051	12023	50980	18302	84358		
Elmdon	534	31010	62040	15624	11601	16502	81840		
Cardington	559	60810	59051	15524	21602	17607	82840	86080	
Wittering	462	40413	68020	16423	00901	15704	84080		
Watnall	354	50513	72021	16723	00901	13502	85080		
Shawbury	414	50910	60042	15623	25780	17605	82656	85359	
Finningley	360	40508	68030	17623	00902	13502	84080		
Spurn Point	396	90807	03474	19014	9////	13301	89/00		
Leeming	257	21207	70034	17923	11601	13709	81835		
Tynemouth	262	91106	01454	20113	9////	13102	89/01		
Carlisle	222	21307	70030	16926	11601	15705	81830		
Valley	302	60612	50041	14423	68600	15702	82840	85656	
Ringway	334	30911	70030	16324	00901	12703	83078		
Squires Gate	318	41010	67030	16426	00904	16502	84080		
Ronaldsway	204	00714	58041	16320	00900	12101			
Mull of Galloway	131	01413	58050	16919	00900	13204			
Eskdalemuir	162	11306	70020	17124	00901	10703	81078		
Prestwick	135	31011	56050	16427	32600	15805	83842		
Abbotsinch	140	10611	58050	16726	11600	15707	81840		
Leuchars	171	00812	58054	19317	00900	12101			
Dyce	091	31512	82030	19621	00901	10306	83080		
Lerwick	005	01908	50050	20216	00900	13204			
Wick	075	01709	60050	18619	00900	12204			
Sule Skerry	010	00000	58050	18617	00900	14212			
Cape Wrath	049	32703	75050	17820	30910	17208	83460		
Stornoway	026	21706	80030	17620	11532	15105	81825		
Benbecula	022	43006	62051	17517	11632	14207	81830	83072	
Tiree	100	41805	58051	17420	00902	15105	84075		
Aldergrove	917	41211	56051	15724	00902	16801	84070		
Malin	980	40308	56101	16115	30932	13802	83362		
Belmullet	976	50212	82018	14818	45432	15102	81712	84643	
Birr	965	51401	60052	13923	585//	16603	84825	83636	
Dublin	969	60609	45101	14820	3573/	14602	83656	84359	
Shannon	962	70000	80031	13521	60982	16505	86358	84070	
Roches Point	952	60612	50052	13220	30972	16202	83358	85074	
Valentia	953	70000	70058	12321	3567/	16804	83640	87360	

OBSERVATIONS at 18h. 5 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	20908	75010	12725	00902	13502	82080		
Hurn	862	40906	59051	12526	10935	14502	81368	83075	
Manston	797	70317	18401	14015	760//	13506	81700	83701	87703
Gatwick	776	20710	72031	14122	00902	13301	81070		
Kew	775	10912	83020	14124	00902	11500	81075		
Heathrow	772	20912	80021	13626	14701	11502	81656		
Honington	586	10410	80020	15320	16301	13502	81707		
Wattisham	590								
Gorleston	497	80412	09462	16713	863//	12706	88708		
Aberporth	502	70000	58058	14122	786//	17302	85835	85650	
Filton	628	70710	60031	13525	50982	17501	81359	85362	
Rhoose	715	50709	60032	13025	10981	17302	81358	85075	
Hartland Point	703	71304	56818	13520	753//	16206	84706	87635	
Mount Batten	827	70908	57299	12721	5969/	16301	82940	84850	86357
St. Mawgan	817	61110	60051	13023	6098/	14306	86360		
Scilly	804	70000	15102	14117	7098/	17208	87358		
Culdrose	809	40711	30050	12819	40930	16301	84362		
Guernsey	894	70807	45616	11919	5862/	16501	81835	85645	87458
Elmdon	534	10609	72010	15023	10942	11501	81365		
Cardington	559	20714	66021	15022	00902	17500	82080		
Wittering	462	10517	70020	16617	16401	13501	81710		
Watnall	354	10511	75021	16621	00901	12301	81081		
Shawbury	414	30907	70031	15024	10932	15500	81365	83075	
Finningley	360	10609	70021	17419	00901	14500	81080		
Spurn Point	396	80610	60054	18514	864//	12503	88710		
Leeming	257	21206	75010	17823	00901	14301	82080		
Tynemouth	262	90902	01454	20013	9////	13802	89/00		
Carlisle	222	31012	75021	17023	15701	14307	81650	83075	
Valley	302	70609	61041	14623	3268/	15302	83845	87357	
Ringway	334	21111	65030	15924	00902	14500	82078		
Squires Gate	318	50711	70021	15825	00901	16500	85077		
Ronaldsway	204	30711	61030	15822	15801	13301	81657	83075	
Mull of Galloway	131	40909	70030	16622	15601	14602	81630	83075	
Eskdalemuir	162	21005	70021	17323	11601	12304	81840		
Prestwick	135	42708	56050	16922	00901	13303	84080		
Abbotsinch	140	30712	61050	16825	11601	13306	81845	83078	
Leuchars	171	10712	65020	19616	00902	13303	81080		
Dyce	091	11611	70030	19620	15601	13301	81640		
Lerwick	005	02107	50050	21015	00900	13205			
Wick	075	01510	65050	18915	00900	12500			
Sule Skerry	010	03603	64050	19117	00900	11302			
Cape Wrath	049	30903	70050	18818	30930	16206	83360		
Stornoway	026	30709	66050	18716	10932	15206	81364	83075	
Benbecula	022	33107	63051	18019	10932	16203	81362	83075	
Tiree	100	20112	58051	17617	00902	05302	82072		
Aldergrove	917	51006	62051	16123	40931	12302	84360		
Malin	980	30305	40101	16215	10932	13000	81362		
Belmullet	976	70214	80032	15917	16232	15307	81703	86070	
Birr	965	71308	58052	13724	725//	16400	87825		
Dublin	969	40404	56101	15119	1563/	14301	81635	84359	
Shannon	962	60402	57052	13525	22632	17203	82840	84359	85070
Roches Point	952	20604	40051	14119	10932	15206	81364		
Valentia	953	30000	70011	13918	32600	15208	83830		

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00270	109 +		+
Hurn	862	00280	109 +		+
Manston	797	97200	122 jf		ifd.f
Gatwick	776	00250	146 +		+
Kew	775	00260	141 +		+
Heathrow	772	00280	141 +		+
Honington	586	00250	138 +		+
Wattisham	590				
Gorleston	497		034		
Aberporth	502	91260	018 +		pr.
Filton	628	00270	049 +		+
Rhoose	715	00270	052 t		+
Hartland Point	703	08252	080		
Mount Batten	827	02241	077 +		tlr.tlRr.
St. Mawgan	817	97260	089 +		ir.
Scilly	804	97190	006 ir.		+
Culdrose	809	01231	+		tl.r.
Guernsey	894	97230	062 +		ir.r.r.
Elmdon	534	00250	144 +		+
Cardington	559	00260	143 +		+
Wittering	462	00230	139 +		+
Watnall	354	00240	151 +		+
Shawbury	414	00250	080 +		+
Finningley	360	00240	151 +		+
Spurn Point	396		ff		+
Leeming	257	00250	131 +		+
Tynemouth	262	00130	014 FF		FF
Carlisle	222	00270	150 +		+
Valley	302	00260	081 +		+
Ringway	334	00260	153 +		+
Squires Gate	318	00270	143 +		+
Ronaldsway	204	00230	105 +		+
Mull of Galloway	131	00220			
Eskdalemuir	162	00250	148 +		+
Prestwick	135	00270	132 +		+
Abbotsinch	140	00280	116 +		+
Leuchars	171	00190	117 ff		+
Dyce	091	00230	155 +		+
Lerwick	005	00170	145 +		+
Wick	075	00200	144 +		+
Sule Skerry	010	00200			
Cape Wrath	049	00210	127 +		+
Stornoway	026	00210	132 +		+
Benbecula	022	00210	132 +		+
Tiree	100	00220	125 +		+
Aldergrove	917	00250	116 +		+
Malin	980	0017	112		
Belmullet	976	9720	064		
Birr	965	0026	033		
Dublin	969	0021	051		
Shannon	962	0026	055		
Roches Point	952	0022	072		
Valentia	953	9721	031		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

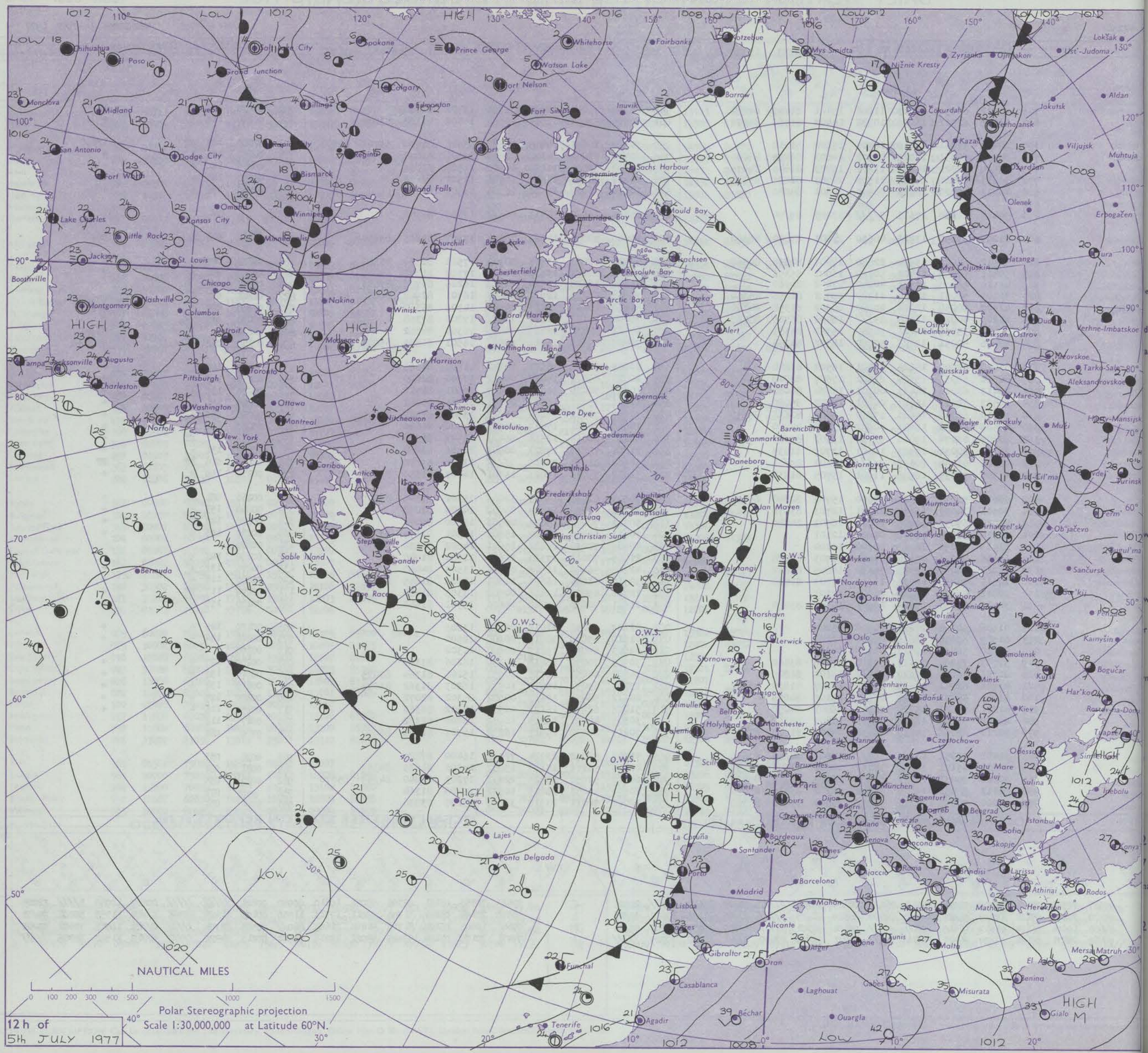
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	05121	82409	98026	06310	864//	00229	88716	/////	00209	10986	3////	22005
L	99570	70199	05124	12408	98028	15412	18500	00220	81825	/////	0//09	11280	30302	99/03
M	99668	10004	05124	81617	91445	22009	860//	00104	88701	/////	0//09	10932	30302	99/04
R	99469	70171	05124	73424	98021	15514	785//	00221	82820	87640	0//11	11618	30709	/////

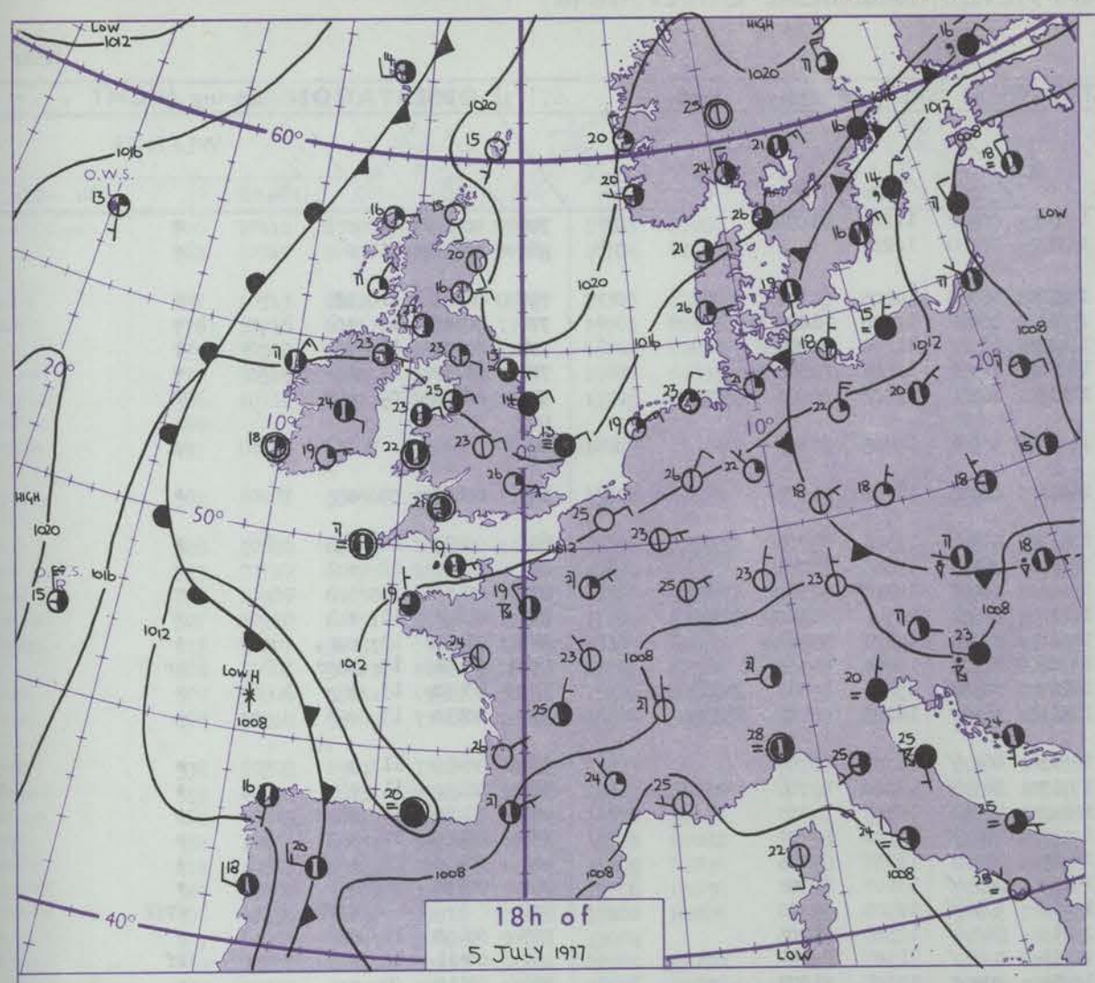
OCEAN WEATHER STATION REPORTS at 18h.

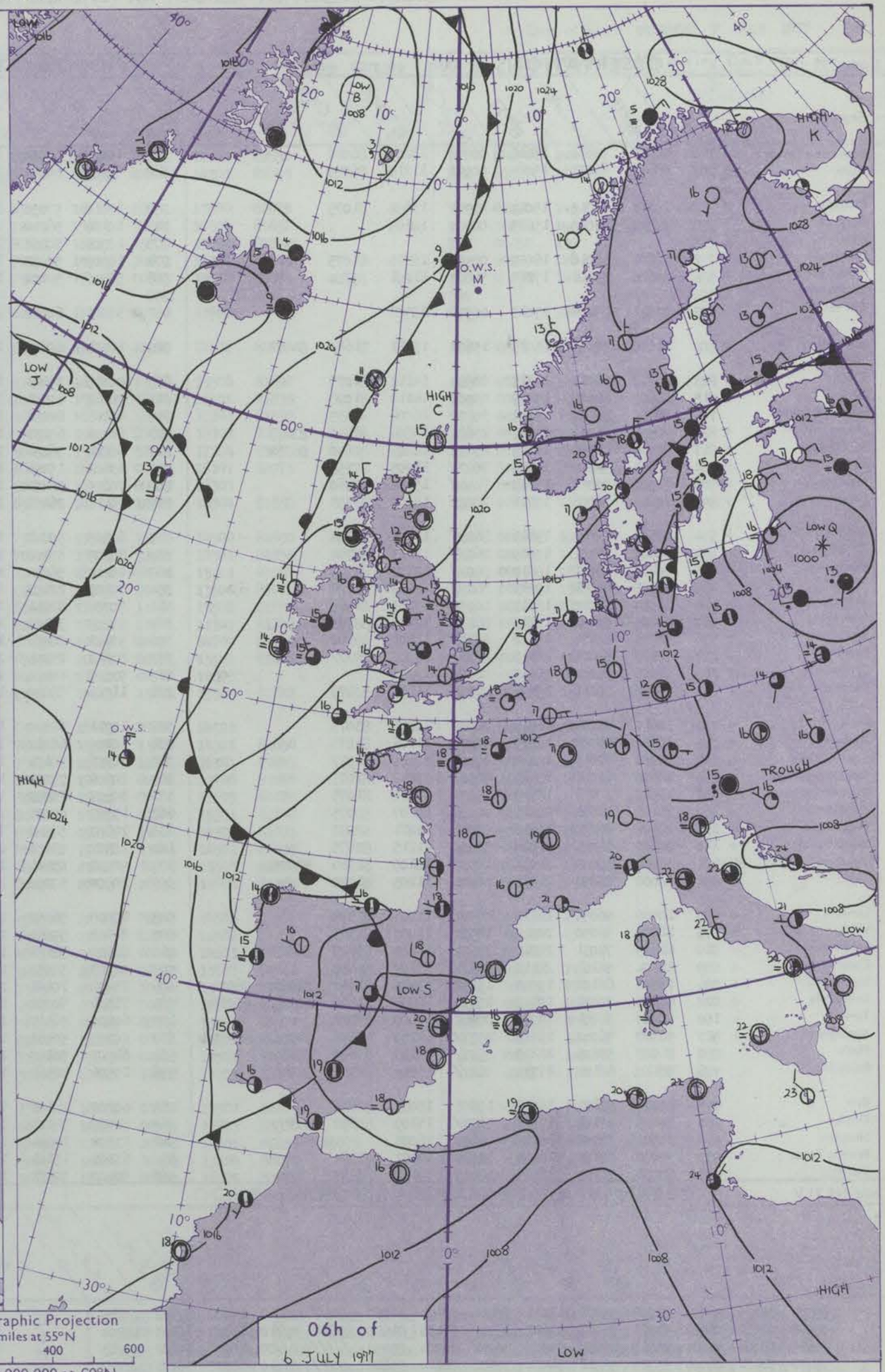
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	05181	02308	98021	10610	00900	00221	/////	/////	00209	10988	3////	22005
L	99570	70198	05184	31705	98011	17313	11530	00108	81825	83365	0//09	11353	30201	99/03
M	99668	10002	05184	81715	91444	21608	860//	00505	88701	/////	0//09	10918	30302	99/03
R	99471	70170	05184	53425	98022	18215	58500	00213	84820	/////	0//10	11580	30708	/////

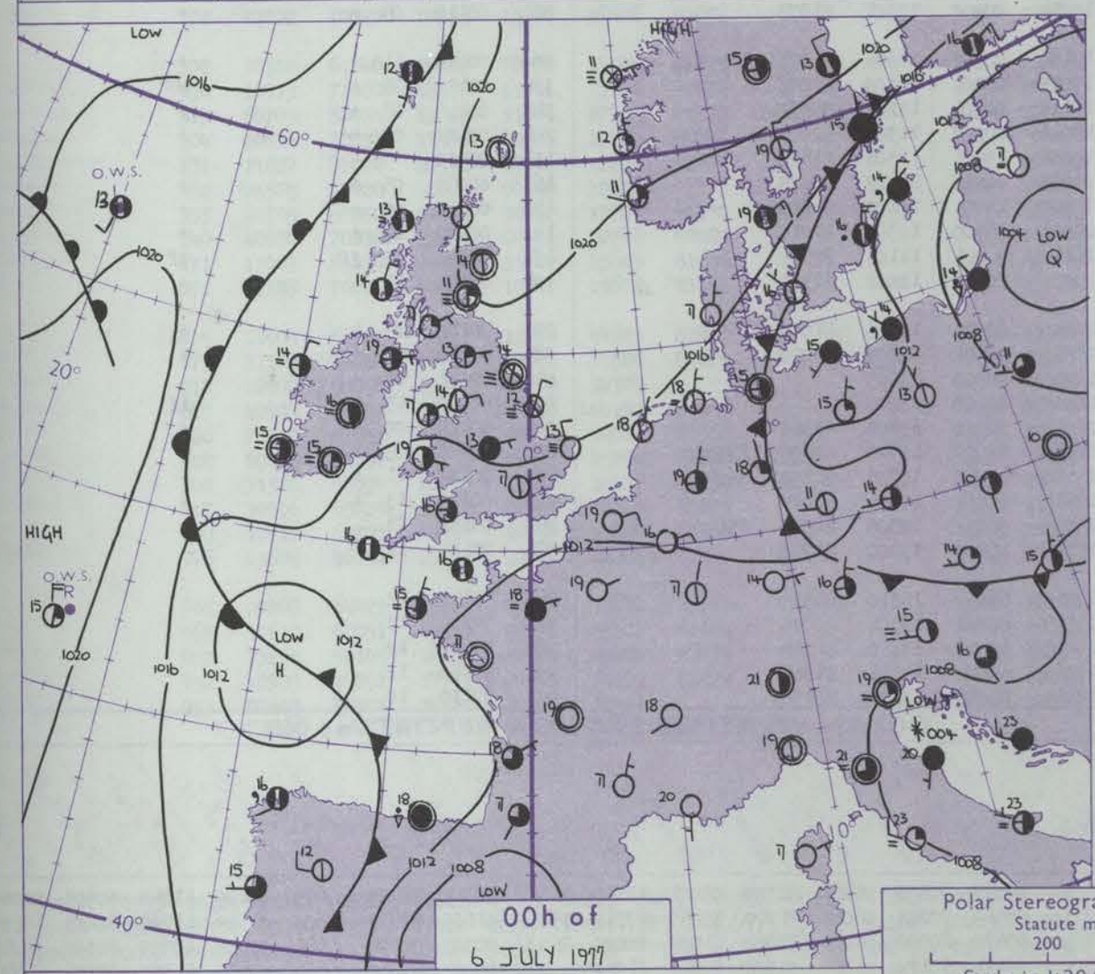
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









GENERAL SYNOPTIC DEVELOPMENT

Issued at midday WEDNESDAY 6 JULY 1977

During the past 24 hours the ridge of high pressure across the North Sea has edged slowly westwards over Britain. A thundery trough of low pressure has remained slow-moving over France. During the next 24 hours the ridge of high pressure over Britain is expected to continue to edge slowly westwards whilst the thundery trough will move into Biscay.

Code FM 11.V

OBSERVATIONS at 00h. 6 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	60307	70031	15616	00902	13209	86080		
Hurn	862	63602	62031	15014	00902	11210	86075		
Manston	797	10313	62015	15014	00901	13002	81075		
Gatwick	776	00508	56040	15615	00900	14105			
Kew	775								
Heathrow	772	10607	64010	16017	00901	13313	81075		
Honington	586	53606	35101	17212	56200	11201	85704		
Wattisham	590								
Gorleston	497	03511	58404	17013	00900	12806			
Aberporth	502	41005	57051	16019	15602	13111	81643	84070	
Filton	628	10710	60011	16217	00901	14112	81075		
Rhoose	715	10607	68021	15318	00902	14110	81070		
Hartland Point	703	30610	56059	15217	35600	16006	83635		
Mount Batten	827	40502	63059	14617	25601	15006	82640	83075	
St. Mawgan	817	70504	50056	14918	25682	16003	82640	86360	
Scilly	804	71005	58258	15416	7097/	16205	87358		
Culdrose	809	70506	30059	14417	7093/	15102	87360		
Guernsey	894	70412	56056	12716	7098/	14802	87358		
Elmdon	534	80606	58041	18313	862//	11114	88704		
Cardington	559	70608	56101	17913	762//	13113	87704		
Wittering	462	80411	08461	18612	860//	12108	88700		
Watnall	354	80405	40051	19213	862//	12108	88704		
Shawbury	414	21004	62040	18014	10932	13213	81365		
Finningley	360	80305	50101	19213	862//	12106	88705		
Spurn Point	396	90208	05474	19612	9////	11001	89/00		
Leeming	257	93607	04471	20113	9////	13005	89///		
Tynemouth	262	03405	23104	21013	00900	13205			
Carlisle	222	30806	70011	19413	00902	11110	83075		
Valley	302	30610	58041	16817	00902	14211	83075		
Ringway	334	10705	65020	18315	00901	11106	81075		
Squires Gate	318	10709	70011	18414	00901	12110	81077		
Ronaldsway	204	20609	62011	18417	00901	13212	82075		
Mull of Galloway	131	10912	70011	18718	00901	13211	81075		
Eskdalemuir	162	20106	70011	20511	00902	09207	82075		
Prestwick	135	20506	56050	19217	00901	14211	82080		
Abbotsinch	140	20809	65051	20016	00901	11215	82075		
Leuchars	171	30000	30400	21211	10932	10105	81360	83075	
Dyce	091	10000	65050	21114	00901	11205	81080		
Lerwick	005	10000	50050	22113	00901	12103	81075		
Wick	075	11506	58050	20313	10932	11003	81365		
Sule Skerry	010	61409	74031	20213	35501	11203	83625	86075	
Cape Wrath	049	82304	58101	20113	856//	13209	88630		
Stornoway	026	73506	62101	19913	15632	13400	81640	83360	86070
Benbecula	022	60804	70021	19112	15632	12805	81630	83365	85075
Tiree	100	70209	57051	18914	00902	13000	87072		
Aldergrove	917	50707	56042	18319	2577/	12209	82656	84357	85359
Malin	980	81007	50606	18115	5577/	12103	85650	88459	
Belmullet	976	50110	62102	17714	562//	13214	82703	84709	
Birr	965	40000	32101	16516	15602	15008	81636		
Dublin	969	60105	45101	17316	5573/	13109	85650	83359	
Shannon	962	01302	35101	16118	00900	16008			
Roches Point	952	30000	15101	16415	30930	14007	83364		
Valentia	953	50000	70101	16515	52600	14111	85830		

OBSERVATIONS at 06h. 6 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	10207	56051	15813	00901	11204	81080		
862	00308	66021	15014	00900	12207			
797	13610	57050	15215	16300	14205	81707		
776	10106	56040	15914	00901	12205	81075		
775	10308	50050	16914	16301	11204	81706		
772	10309	50050	16714	16301	12208	81706		
586	53306	50104	17113	26202	12002	82703	85078	
590								
497	33611	60020	17115	30971	14305	83358		
502	11305	60020	16416	00902	13206	81070		
628	80410	35051	17113	863//	12306	83706	88710	
715	70613	40051	16014	762//	13306	87704		
703	40706	60051	15416	20931	14107	82360	83075	
827	60406	65031	14517	11681	14302	81840	86360	
817	40804	56051	14617	30981	14203	83360		
804	63603	15056	15316	40971	15604	84358		
809	70609	38052	14117	7097/	15101	85363	84466	
894	70411	26101	12514	3618/	14203	83702	85359	
534	60505	50042	18313	662//	11305	86705		
559	80608	57102	17913	863//	12304	88706		
462	40210	56054	18412	46201	11305	84703		
354	70105	22102	19413	761//	12306	87702		
414	70704	42041	18613	763//	12207	87706		
360	83507	35102	19113	861//	13103	88702		
396	93412	08434	19112	9////	12500	89/00		
257	83610	25044	20713	862//	12308	88705		
262	93507	00454	21211	9////	11305	89/01		
222	11006	58040	19714	00902	13301	81075		
302	10711	62040	17116	00902	11204	81075		
334	10000	60020	19015	00901	11309	81078		
318	40706	50101	19114	00901	13207	84075		
204	20606	75020	18916	00902	11305	82075		
131	30807	80030	19216	15501	11306	81625		
162	13507	65020	20214	00902	11302	81075		
135	10607	57040	19813	15701	10105	81656		
140	10807	58050	20515	16400	12304	81715		
171	90000	03411	21012	9////	11103	89///		
091	20000	57050	20815	10942	12002	81365		
005	10000	56050	22215	00901	13205	81075		
075	21607	59051	20213	00901	12205	82080		
010	00000	58051	20413	00900	12105			
049	02303	58054	20315	00900	13209			
026	33408	70101	20314	30930	13305	83362		
022	73306	70032	20215	3563/	13305	83630	87360	
100	60000	56102	19415	10982	15203	81359	86072	
917	20705	50041	19016	00901	13306	82075		
980	61007	50109	18715	5853/	12305	81820	85642	
976	13506	02464	18314	16400	13209	81710		
965	60302	32101	17515	656//	14310	86638		
969	50305	35101	17514	00902	13304	85075		
962	13502	14284	17515	10930	14210	81360		
952	63305	15101	17015	6093/	14306	86361		
953	50000	30101	17414	00909	13209	85170		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00120	07	+	+
862	00140	11	+	+
797	00130	11	1f	+
776	00130	10	+	+
775	00130	10	+	+
772	00130	11	+	+
586	00110	09	+	f
590				
497				
502	00140	09	+	+
628	00130	10	+	+
715	00130	12	+	+
703	00150	14		
827	00140	11	+	+
817	93170	13	r.r.	+
804	01151	15	prir	rr
809	00150	13	+	+
894	00130	13	+	+
534	00120	11	+	+
559	00120	11	+	+
462	00120	11	ff	+
354	00120	12	+	+
414	00130	08	+	+
360	00120	09	+	+
396			fFF	FFf
257	00130	11	ff	+
262	00111	11	Ff	Ff
222	00110	08	+	+
302	00140	11	+	+
334	00120	08	+	+
318	00110	08	+	+
204	00120	09	+	+
131	00130			
162	00080	05	+	+
135	00120	09	+	+
140	00120	08	+	+
171	00090	05	1f	1f
091	00090	04	+	+
005	00110	08	+	+
075	00110	09	+	+
010	00090	07		
049	00120	13	+	1f
026	00120	09	+	+
022	00120	08	+	+
100	00130	11	+	+
917	00150	13	+	+
980	03131	13		
976	97131	11		
965	97140	12		
969	97130	13		
962	97150	12		
952	97140	12		
953	97130	10		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	06001	71808	98021	12211	70930	00104	87360	/////	00210	11002	3//02	///05
L	99570	70199	06004	72011	98038	18612	3857/	51106	81825	83640	0//10	11337	30303	18804
M	99669	10000	06004	21715	98034	20510	20971	00704	82358	/////	0//09	10940	30302	99/03
R	99470	70171	06004	33520	98011	21414	35600	00114	83640	/////	0//10	11637	30707	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	06061	82309	98021	14310	863//	00314	88709	/////	00109	11018	30503	22005
L	99569	70203	06064	71719	98035	17212	3542/	51605	82712	83630	0//09	11297	30403	19805
M	99670	70002	06064	82212	91504	20008	860//	00703	88701	/////	0//09	10927	30302	99/03
R	99471	70170	06064	53520	98011	21914	55600	00102	85630	/////	0//09	11593	30706	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. 8

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42231

Date of Issue THURSDAY 7 JULY 1977

ode FM 11.V

OBSERVATIONS at 12h. 6 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10411	63020	15724	00902	15503	81080		
Hurn	862	10310	59020	15125	00901	16704	81080		
Manston	797	10313	68020	16222	00901	15303	81080		
Gatwick	776	30716	60011	15825	11601	15501	81835	83080	
Kew	775	30309	65030	16525	12601	16704	81835	83080	
Heathrow	772	50514	66021	16425	11601	15604	81835	85080	
Honington	586	20111	75011	16826	11702	13703	81850		
Wattisham	590								
Gorleston	497	00120	62020	17715	00900	14400			
Aberporth	502	10407	58050	17620	11501	15101	81825		
Filton	628	10610	62050	16723	11601	17606	81835		
Rhoose	715	00710	62021	16323	00900	16604			
Hartland Point	703	20509	64050	16018	20930	15310	82360		
Mount Batten	827	30910	61051	15324	11682	17206	81830	83075	
St. Mawgan	817	50207	50051	15323	12782	16303	81850	84075	
Scilly	804	30607	50021	16921	20932	17207	82360		
Culdrose	809	30906	56051	15522	30932	15206	83365		
Guernsey	894	10514	58051	13618	10931	15206	81360		
Elmdon	534	00708	63041	17724	00900	15703			
Cardington	559	40711	66031	17424	00902	18709	84080		
Wittering	462	10515	68010	18024	00901	14602	81080		
Watnall	354	10411	60051	18724	00901	15703	81082		
Shawbury	414	10608	65021	18224	11601	16605	81835		
Finningley	360	10207	72021	19024	11601	15706	81830		
Spurn Point	396	10116	56052	19816	00901	13400	81075		
Leeming	257	00213	50041	20522	00900	13604			
Tynemouth	262	93607	01454	21912	9////	12101	89/00		
Carlisle	222	10702	70020	19625	11600	16606	81838		
Valley	302	10510	61040	18424	00902	15101	81075		
Ringway	334	10913	72020	18327	11701	13706	81850		
Squires Gate	318	60705	80031	18927	11601	17704	81830	86080	
Ronaldsway	204	20811	70030	19620	00901	12002	82078		
Mull of Galloway	131	21207	81020	20518	00901	12203	82075		
Eskdalemuir	162	01505	80020	20025	00900	12602			
Prestwick	135	42705	82050	19826	10932	10704	81370	84081	
Abbotsinch	140	40904	70030	20225	00901	10706	84080		
Leuchars	171	11009	65024	21319	15702	13603	81656		
Dyce	091	11108	70020	20623	10941	13602	81362		
Lerwick	005	11605	58050	22721	11431	14201	81817		
Wick	075	11509	68050	20916	00901	13500	81075		
Sule Skerry	010	00000	58050	21515	00900	14304			
Cape Wrath	049	40903	58054	21215	40910	14102	84460		
Stornoway	026	70710	57051	21315	7093/	14001	87362		
Benbecula	022	60103	65051	21119	1563/	15204	81640	86362	
Tiree	100	71506	58059	20919	1578/	14102	81650	87362	
Aldergrove	917	10506	65020	19823	00901	14001	81075		
Malin	980	10812	62101	19916	10940	13204	81360		
Belmullet	976	03608	46104	19321	00900	17205			
Birr	965	20809	64021	18124	00902	13301	82074		
Dublin	969	10611	60051	19319	00901	13302	81075		
Shannon	962	23205	50101	18225	22600	19701	82835		
Roches Point	952	40909	40051	17919	00901	14205	84074		
Valentia	953	02605	50101	18320	00900	18501			

OBSERVATIONS at 18h. 6 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	30410	65021	15525	22701	14500	82850		
Hurn	862	41606	62030	15225	42600	14301	84845		
Manston	797	20213	63030	16119	00901	15500	82078		
Gatwick	776	20613	72011	15725	14801	14500	81657		
Kew	775	20908	80020	16225	23600	15304	81942		
Heathrow	772	41010	70011	15925	34601	15301	82845		
Honington	586	20312	75020	17124	00901	14400	82078		
Wattisham	590								
Gorleston	497	03615	60010	17817	00900	13502			
Aberporth	502	23504	62020	17620	22600	14602	82830		
Filton	628	10713	81010	16326	11600	15500	81840		
Rhoose	715	10710	72020	15925	18601	16501	81835		
Hartland Point	703	10508	58050	16519	12600	15301	81830		
Mount Batten	827	30907	56051	15425	38600	18302	82835		
St. Mawgan	817	42104	50051	15722	32702	17304	83850		
Scilly	804	20309	30030	16819	00902	16101	82075		
Culdrose	809	02702	56050	16122	00900	16303			
Guernsey	894	10614	65020	14119	12782	14304	81850		
Elmdon	534	10411	75020	17524	11700	14500	81850		
Cardington	559	10510	70020	17323	12601	18301	81835		
Wittering	462	10516	72020	18321	00901	15301	81080		
Watnall	354	10513	81020	18723	00901	13500	81078		
Shawbury	414	10808	66010	17725	11600	15502	81834		
Finningley	360	10510	81020	19323	11601	11302	81840		
Spurn Point	396	10315	62020	19517	00901	14704	81075		
Leeming	257	10112	67030	20421	00901	13500	81080		
Tynemouth	262	03508	04424	21812	00900	12803			
Carlisle	222	11009	81010	19525	11601	15500	81842		
Valley	302	00513	65020	18423	00900	14502			
Ringway	334	10613	78020	18526	11700	14301	81850		
Squires Gate	318	20710	75021	18726	12601	16301	81845		
Ronaldsway	204	10807	80020	19023	00901	12706	81080		
Mull of Galloway	131	10000	82020	19822	00901	11605	81075		
Eskdalemuir	162	10508	80010	19524	11600	15301	81842		
Prestwick	135	22607	83010	19922	14602	10301	81835		
Abbotsinch	140	10712	80010	19027	11601	14501	81835		
Leuchars	171	21009	64020	21018	00902	13503	82075		
Dyce	091	11508	80020	20423	10942	11604	81364		
Lerwick	005	01904	59050	22719	00900	14501			
Wick	075	01107	64050	21015	00900	12502			
Sule Skerry	010	00000	48050	21316	00900	14603			
Cape Wrath	049	40904	58050	20715	40910	13607	84460		
Stornoway	026	10711	75051	20915	10930	13301	81364		
Benbecula	022	73305	65051	20519	7093/	16504	87360		
Tiree	100	10107	56051	20418	00909	15400	81172		
Aldergrove	917	11307	81020	19224	00901	13501	81080		
Malin	980	20812	72050	19819	00902	13501	82070		
Belmullet	976	13311	50100	19416	16300	14203	81706		
Birr	965	20405	75010	18024	00902	13500	82075		
Dublin	969	10808	66050	19020	00902	12803	81070		
Shannon	962	50403	57051	17924	22601	19301	82835	85075	
Roches Point	952	61004	50051	18414	00902	13304	86074		
Valentia	953	12806	56100	18719	00901	16305	81070		

OBSERVATIONS during DAY

Station	iii	RRT×T×E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00270	144 +		+
Hurn	862	00280	122 +		Jp
Manston	797	00220	143 +		+
Gatwick	776	00270	145 +		+
Kew	775	00280	135 +		+
Heathrow	772	00290	116 +		+
Honington	586	00280	141 +		+
Wattisham	590				
Gorleston	497		140		
Aberporth	502	00210	141 +		+
Filton	628	00270	114 +		+
Rhoose	715	00260	119 +		+
Hartland Point	703	00220	142		
Mount Batten	827	00260	121 +		+
St. Mawgan	817	00250	090 +		+
Scilly	804	00220	101 +		+
Culdrose	809	00240	127 +		+
Guernsey	894	00210	122 +		+
Elmdon	534	00260	140 +		+
Cardington	559	00260	113 +		+
Wittering	462	00250	137 +		+
Watnall	354	00250	134 +		+
Shawbury	414	00260	133 +		+
Finningley	360	00260	131 +		+
Spurn Point	396		+		+
Leeming	257	00240	104 +		+
Tynemouth	262	00140	051 FF		Ffff
Carlisle	222	00270	152 +		+
Valley	302	00260	146 +		+
Ringway	334	00280	155 +		+
Squires Gate	318	00280	153 +		+
Ronaldsway	204	00250	152 +		+
Mull of Galloway	131	00230			
Eskdalemuir	162	00270	144 +		+
Prestwick	135	00260	155 +		+
Abbotsinch	140	00290	151 +		+
Leuchars	171	00200	150 Jf		Jf
Dyce	091	00250	154 +		+
Lerwick	005	00210	154 +		+
Wick	075	00170	151 +		+
Sule Skerry	010	00160			
Cape Wrath	049	00200	115 +		+
Stornoway	026	00170	070 +		+
Benbecula	022	00220	042 +		+
Tiree	100	00230	053 +		+
Aldergrove	917	00260	144 +		+
Malin	980	0019	108		
Belmullet	976	9722	110		
Birr	965	0026	129		
Dublin	969	0020	147		
Shannon	962	0027	068		
Roches Point	952	0021	089		
Valentia	953	0023	122		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

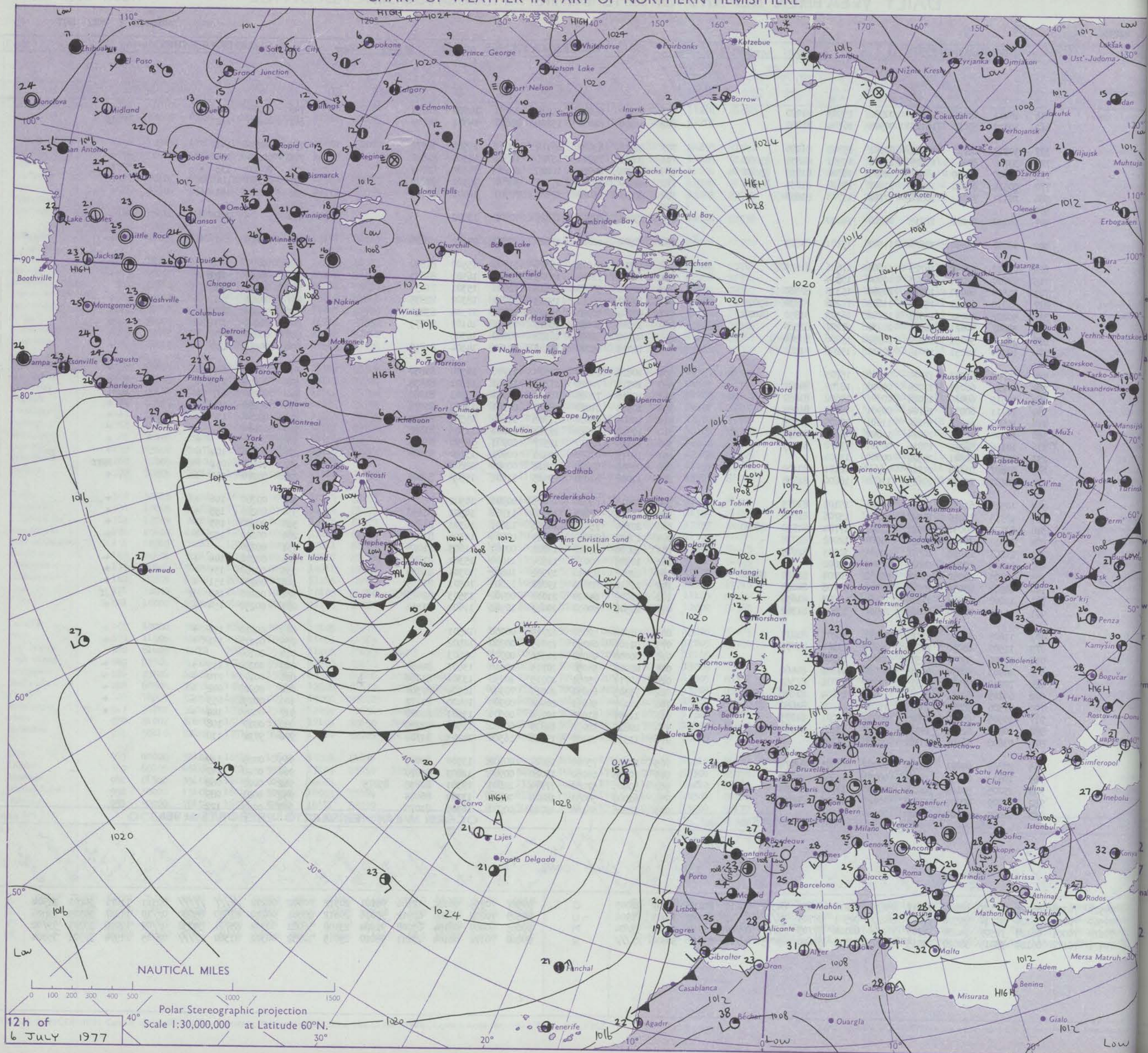
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	06121	72107	98205	17611	45630	00216	84633	84357	00210	11012	30302	22005
L	99569	70203	06124	81714	95596	17412	862//	00501	88703	/////	0//12	11262	30403	21906
M	99670	70001	06124	72509	94284	21709	762//	00104	87703	/////	0//09	10912	30201	99/04
R	99471	70172	06124	33415	98020	24515	15632	00315	81640	83073	0//12	11612	30804	/////

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	06181	12106	96101	20312	00902	00212	/////	/////	00311	11071	30201	22904
L	99569	70202	06184	62812	98016	20612	28501	00210	81820	85080	0//10	11287	30303	21806
M	99665	10009	06184	63008	91464	23108	56082	00304	85701	84358	0//09	11018	30201	99/02
R	99468	70172	06184	23111	98010	25015	10932	00302	81360	/////	0//15	11594	30501	35804

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of 6 JULY 1977

00h of 7 JULY 1977

06h of 7 JULY 1977

Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday THURSDAY 7 JULY 1977

During the last 24 hours a ridge of high pressure extending from northern Scandinavia across Scotland to the Azores remained slow-moving. A complex area of relatively low pressure from Poland to eastern Iberia persisted while a shallow depression moved northeastward toward Iceland. Very little change is expected in the pressure distribution during the next 24 hours with light northeasterly gradients over the British Isles.

Code FM 11.V

OBSERVATIONS at 00h. 7 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10407	64011	17218	00901	15101	81080		
Hurn	862	00101	64011	16917	00900	16106			
Manston	797	00213	64020	16815	00900	13002			
Gatwick	776	00306	60020	17417	00900	15204			
Kew	775								
Heathrow	772	00207	60020	17818	00900	15108			
Honington	586	03506	60020	18413	00900	12004			
Wattisham	590								
Gorleston	497	03610	64020	18515	00900	14102			
Aberporth	502	11006	63020	18720	00901	14104	81075		
Filton	628	00604	62020	18217	00900	15306			
Rhoose	715	00705	70010	17718	00900	15107			
Hartland Point	703	10606	66050	17417	12600	14105	81830		
Mount Batten	827	00702	58051	16419	00900	17000			
St. Mawgan	817	30104	50051	17118	20932	15003	82362		
Scilly	804	53607	56021	17916	50930	15002	85360		
Culdrose	809	10106	56050	16419	15600	16802	81640		
Guernsey	894	10613	65020	15116	00902	13102	81075		
Elmdon	534	03402	66020	19514	00900	10004			
Cardington	559	20506	62030	19313	26200	13109	82705		
Wittering	462	80308	58101	19714	862//	13203	88703		
Watnall	354	00207	75020	20114	00900	11101			
Shawbury	414	00000	64040	19514	00900	12105			
Finningley	360	00202	63020	20416	00900	11204			
Spurn Point	396	00110	60020	20614	00900	13205			
Leeming	257	03102	60040	21413	00900	11003			
Tynemouth	262	00000	56024	22215	00900	13803			
Carlisle	222	01005	65010	21015	00900	12104			
Valley	302	00609	65010	19417	00900	13104			
Ringway	334	00507	70020	19919	00900	11001			
Squires Gate	318	00807	65020	20214	00900	12005			
Ronaldsway	204	00508	70020	20018	00900	12105			
Mull of Galloway	131	00309	80010	20517	00900	13204			
Eskdalemuir	162	00000	70020	22112	00900	10003			
Prestwick	135	21603	75020	21015	10942	12105	81362		
Abbotsinch	140	10000	62050	20917	00901	11107	81080		
Leuchars	171	12702	56110	21612	00901	11201	81075		
Dyce	091	11505	65050	21016	00901	09000	81080		
Lerwick	005	10000	40100	23213	00901	13803	81080		
Wick	075	10604	30100	21511	00901	10103	81075		
Sule Skerry	010	70505	58051	21713	7097/	12102	87360		
Cape Wrath	049	51403	58054	21515	50970	13208	85460		
Stornoway	026	83004	66026	21314	4567/	13702	81640	84359	88462
Benbecula	022	80702	63296	21115	5269/	14701	85840	88359	
Tiree	100	63607	57111	20913	1565/	13500	81640	86359	
Aldergrove	917	10402	70020	20415	10931	12004	81365		
Malin	980	30000	60101	20014	10932	12701	81362	83070	
Belmullet	976	83505	05464	20713	863//	12104	88709		
Birr	965	00000	66010	19615	00900	12205			
Dublin	969	00000	80020	19815	00900	12000			
Shannon	962	82608	20101	19615	661/2	14102	86702	84075	
Roches Point	952	53304	56051	19415	00902	13000	85074		
Valentia	953	02902	40100	20214	00900	14005			

OBSERVATIONS at 06h. 7 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	13305	69020	17514	10940	11204	81359		
862	10105	75020	16715	10941	13302	81362		
797	20212	62030	16216	26200	14000	82705		
776	03505	63010	17115	00900	13000			
775	00204	60020	18015	00900	13201			
772	30108	50050	17815	36300	13302	83707		
586	23408	30284	17914	26000	13101	82701		
590								
497	00117	64020	17915	00900	14305			
502	01003	70020	18619	00900	12102			
628	10510	61030	18415	15800	12103	81657		
715	10603	68020	17917	10930	13306	81365		
703	10610	59050	17517	00901	15101	81075		
827	00604	58050	16419	00900	16000			
817	20604	57050	16918	22601	15304	82845		
804	20704	40021	17616	11601	15304	81830		
809	10608	56050	16418	11500	15002	81823		
894	10614	65020	14215	00902	13506	81075		
534	20205	28041	19514	26200	13205	82705		
559	80708	25101	18814	863//	14500	88707		
462	73610	06428	19113	760//	13000	87701		
354	10108	59050	19715	00901	12201	81081		
414	10000	62040	19415	00901	12302	81075		
360	13205	37040	20114	00901	12302	81080		
396	90111	01474	19914	9////	13101	89/00		
257	03205	58040	20713	00900	09604			
262	13005	61020	21315	10930	11602	81359		
222	10000	70010	20314	15600	11603	81640		
302	00506	61040	19017	00900	13400			
334	10607	75020	19417	10941	10400	81362		
318	10804	82020	19815	10930	12400	81362		
204	00205	82020	19817	00900	13702			
131	01111	82020	20217	00900	12601			
162	00000	80020	21312	00900	10704			
135	11502	79020	20315	00909	12602	81178		
140	10000	65050	20613	00909	13501	81178		
171	12602	62050	20815	10932	13703	81365		
091	20000	68050	20514	00902	11500	81072		
005	90307	01454	23010	9////	10601	89/00		
075	70903	15104	21213	00901	12301	87075		
010	70000	58052	21313	7097/	12400	87360		
049	71403	58052	20215	7097/	13808	87460		
026	32805	68051	20314	30980	13703	83362		
022	70705	65051	20215	1263/	14500	81845	87360	
100	71604	56111	20214	15682	13500	81640	86362	
917	20000	62020	19916	20930	12602	82362		
980	31608	70020	19318	00902	13701	83070		
976	83406	06444	20713	863//	12205	88707		
965	30000	56101	19512	00902	11304	83070		
969	10202	75020	19415	00901	13301	81070		
962	92706	07454	19714	9////	14303	89/02		
952	33206	30051	19014	00902	13501	83074		
953	83205	40101	20014	862//	14303	88703		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00130	07	+	+
862	00150	13	+	+
797	00140	10	+	+
776	00130	09	+	+
775	00140	09	+	+
772	00130	11	+	+
586	00110	08	f	ff
590				
497				
502	00170	12	+	+
628	00140	11	+	+
715	00150	11	+	+
703	00170	14		
827	00170	12	+	+
817	00170	13	+	+
804	00150	13	+	+
809	00150	14	+	+
894	00150	13	+	+
534	00120	07	+	+
559	00130	09	+	+
462	00130	12	+	ff
354	00130	09	+	+
414	00120	05	+	+
360	00120	09	+	+
396			+	fff
257	00100	07	+	+
262	00130	10	+	+
222	00120	07	+	+
302	00150	12	+	+
334	00160	13	+	+
318	00120	08	+	+
204	00130	11	+	+
131	00150			
162	00080	05	+	+
135	00130	09	+	+
140	00110	07	+	+
171	00100	06	+	+
091	00110	05	+	+
005	00091	10	F	FF
075	00090	06	+	f
010	00100	10		
049	01121	12	+	pr
026	97130	09	r.	+
022	97130	09	tl.r.	+
100	00110	05	+	+
917	00140	08	+	+
980	9713	08		
976	9712	12		
965	9710	08		
969	0014	09		
962	9714	14		
952	9713	10		
953	9713	11		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	07001	61608	98021	21912	60930	00308	86362	/////	00311	11072	3//02	///04
L	99570	70201	07004	72208	98022	22112	21532	00206	81825	85360	0//10	11273	30202	21805
M	99666	10010	07004	83306	91445	24907	860//	00305	88701	/////	0//07	11000	30201	99/02
R	99468	70172	07004	83414	96031	25816	861//	00103	88702	/////	0//16	11623	30000	29803

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	07061	71710	98031	20212	75500	00812	87627	/////	00310	11030	30504	/////
L	99569	70204	07064	82010	96638	21711	7732/	61702	87708	88530	0//11	11276	30202	21804
M	99665	10012	07064	73607	91444	25406	76000	00305	87701	/////	0//06	10995	30201	99/02
R	99468	70174	07064	73518	97022	25915	75600	00400	87630	/////	0//11	11603	30604	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42232

Date of Issue FRIDAY 8 JULY 1977

OBSERVATIONS at 12h. 7 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10513	65020	16423	11500	14709	81828		
Hurn	862	10312	72020	16224	11600	16705	81845		
Manston	797	10211	60011	16521	16300	16703	81708		
Gatwick	776	30614	66030	16123	32600	15605	83832		
Kew	775	30212	70030	16824	32600	15708	83840		
Heathrow	772	30414	65020	16724	31600	16710	83830		
Honington	586	10310	80020	17125	11600	13708	81840		
Wattisham	590								
Gorleston	497	00115	64020	18115	00900	13400			
Aberporth	502	20103	72020	18320	11601	12804	81830		
Filton	628	10511	67020	17323	11600	17810	81832		
Rhoose	715	10408	67020	17125	11630	14806	81830		
Hartland Point	703	20410	66050	17720	12501	12602	81820		
Mount Batten	827	10907	81020	16526	11601	15501	81835		
St. Mawgan	817	33610	70030	16624	11501	15805	81825		
Scilly	804	20203	50030	18323	00909	18500	81075		
Culdrose	809	30808	70030	16425	21601	13706	82830	83070	
Guernsey	894	00516	64020	14919	00900	14501			
Elmdon	534	10509	66021	18025	11600	14809	81840		
Cardington	559	20612	65021	17824	21500	17710	82825		
Wittering	462	10513	80024	18523	11600	14806	81830		
Watnall	354	10407	65030	18624	11600	14806	81840		
Shawbury	414	10307	74020	18324	10980	16808	81362		
Finningley	360	23506	68030	18924	21600	16708	82840		
Spurn Point	396	10208	40284	19818	10940	15807	81362		
Leeming	257	10210	62041	19823	10930	12808	81359		
Tynemouth	262	03606	61020	21115	00900	14806			
Carlisle	222	11106	83030	19128	11631	14610	81837		
Valley	302	10610	80020	18625	11602	12806	81830		
Ringway	334	12303	70020	18626	11731	13808	81850		
Squires Gate	318	13007	80030	19323	11681	13706	81845		
Ronaldsway	204	10810	82020	19522	10930	10605	81362		
Mull of Galloway	131	12705	80030	19824	10980	13705	81360		
Eskdalemuir	162	11502	81030	18726	12600	11609	81840		
Prestwick	135	12908	75020	19724	11602	12706	81840		
Abbotsinch	140	12704	75020	19227	12601	12713	81835		
Leuchars	171	10911	56050	20318	12601	13504	81830		
Dyce	091	71107	57051	20322	12632	12701	81830	87080	
Lerwick	005	90608	02434	23011	9////	11604	89/00		
Wick	075	71209	50051	21216	30932	13802	83360	87075	
Sule Skerry	010	71116	60052	21016	50978	13603	85360	87275	
Cape Wrath	049	72302	62058	20419	7097/	16303	87460		
Stornoway	026	51607	64051	19917	11630	15604	81830	84362	
Benbecula	022	31302	64051	19822	12530	16604	81825	83362	
Tiree	100	41710	59051	20019	00909	14703	82172		
Aldergrove	917	41805	62030	19326	12502	14704	81825	84075	
Malin	980	43305	57101	19817	00902	15000	84070		
Belmullet	976	83208	20104	21514	863//	13204	85706	88714	
Birr	965	23004	56051	19224	22500	17703	82827		
Dublin	969	10906	75020	19323	11532	12400	81825		
Shannon	962	72411	32104	20317	762//	16702	83705	87711	
Roches Point	952	61002	50051	19021	10981	15702	81359	86074	
Valentia	953	83310	30106	21015	862//	14303	88705		

OBSERVATIONS at 18h. 7 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10211	75010	14924	12600	12608	81840		
Hurn	862	31804	64031	14722	38600	17707	83840		
Manston	797	10314	64030	15118	16300	14609	81708		
Gatwick	776	10813	70010	14923	14600	13606	81845		
Kew	775	50907	70021	15123	52600	15707	85835		
Heathrow	772	50312	68031	14925	58600	14507	83840	83656	
Honington	586	00212	80010	16222	00900	14706			
Wattisham	590								
Gorleston	497	30120	62030	17015	30930	14602	83360		
Aberporth	502	13004	70020	17119	12601	13706	81840		
Filton	628	10709	75010	15725	11600	15706	81835		
Rhoose	715	20807	68020	15425	11631	15709	81835		
Hartland Point	703	20508	78020	16719	11601	12705	81845		
Mount Batten	827	12206	68050	15123	12600	16605	81830		
St. Mawgan	817	40112	75031	15721	24602	12605	81830	83075	
Scilly	804	10105	56010	17621	10972	16605	81360		
Culdrose	809	30209	68050	15822	00901	13605	83075		
Guernsey	894	00614	62020	13918	00900	14607			
Elmdon	534	10611	70020	16125	11600	14709	81845		
Cardington	559	10711	70010	16222	12600	15807	81840		
Wittering	462	00713	75010	16921	00900	13606			
Watnall	354	00511	65010	17323	00900	14703			
Shawbury	414	50106	62041	16324	58600	17607	83835	84645	
Finningley	360	00609	62020	17723	00900	14703			
Spurn Point	396	10212	56020	18617	00901	15604	81075		
Leeming	257	00109	70040	18623	00900	14604			
Tynemouth	262	00000	61020	19718	00900	15609			
Carlisle	222	40906	83030	17227	32680	15608	83845		
Valley	302	13508	80010	17824	18681	14704	81845		
Ringway	334	10811	68020	17027	11701	11604	81850		
Squires Gate	318	13410	80020	17523	11730	13706	81850		
Ronaldsway	204	11905	82030	18023	19685	12709	81940		
Mull of Galloway	131	20603	80020	18125	12581	13708	81825		
Eskdalemuir	162	51402	83028	17425	54600	13503	83844	83650	
Prestwick	135	12706	81020	17924	12602	15709	81840		
Abbotsinch	140	23308	82020	17628	12601	10607	81842		
Leuchars	171	20710	68020	19617	00901	14500	82075		
Dyce	091	71305	59052	19819	00902	13706	87075		
Lerwick	005	90508	02504	21911	9////	11706	89/00		
Wick	075	81007	06424	20212	860//	12605	84700	88701	
Sule Skerry	010	70912	64051	19815	40971	12710	84360	87075	
Cape Wrath	049	71402	65051	19217	7097/	15705	87360		
Stornoway	026	61203	65051	18520	18632	16707	81830	86075	
Benbecula	022	72707	61051	18819	00902	15704	87075		
Tiree	100	73007	59051	18918	00902	15602	87072		
Aldergrove	917	31508	70030	17527	12604	13710	81830	83075	
Malin	980	82611	50104	19716	862//	14203	86705	88711	
Belmullet	976	83308	59102	21814	863//	13001	86706	88714	
Birr	965	73112	60051	17724	725//	18705	87827		
Dublin	969	21003	82020	17622	13632	11813	81930		
Shannon	962	32612	56101	19717	16402	14701	81712		
Roches Point	952	22915	35051	18619	00901	15501	82073		
Valentia	953	83414	65026	21615	864//	12303	87712	88635	

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00260	153 +		+
Hurn	862	00270	118 +		+
Manston	797	00210	112 +		+
Gatwick	776	00250	147 +		+
Kew	775	97260	132 +		pr.
Heathrow	772	00280	142 +		+
Honington	586	00260	142 +		+
Wattisham	590				
Gorleston	497		130		
Aberporth	502	00210	124 +		+
Filton	628	00270	148 +		+
Rhoose	715	00270	140 +		+
Hartland Point	703	00210	145		
Mount Batten	827	00270	134 +		+
St. Mawgan	817	00250	136 +		+
Scilly	804	00240	141 +		+
Culdrose	809	00260	135 +		+
Guernsey	894	00210	144 +		+
Elmdon	534	00260	135 +		+
Cardington	559	00250	122 +		+
Wittering	462	00250	125 +		+
Watnall	354	00260	148 +		+
Shawbury	414	00270	134 +		+
Finningley	360	00260	151 +		+
Spurn Point	396		ff		FF
Leeming	257	00250	125 +		+
Tynemouth	262	00180	148 +		+
Carlisle	222	00290	138 +		+
Valley	302	00270	150 +		+
Ringway	334	00280	150 +		+
Squires Gate	318	00260	151 +		+
Ronaldsway	204	00250	151 +		+
Mull of Galloway	131	00270			
Eskdalemuir	162	97290	107 +		pr.
Prestwick	135	00250	154 +		+
Abbotsinch	140	00290	153 +		+
Leuchars	171	00210	139 +		+
Dyce	091	00230	139 +		ff
Lerwick	005	97121	000 FF		FFd.d.
Wick	075	00170	104 +		ff
Sule Skerry	010	00170			
Cape Wrath	049	00210	099 +		f
Stornoway	026	00200	106 +		+
Benbecula	022	00230	100 +		+
Tiree	100	00210	107 +		+
Aldergrove	917	00280	150 +		+
Malin	980	9719	080		
Belmullet	976	9715	000		
Birr	965	9726	106		
Dublin	969	0024	139		
Shannon	962	9720	058		
Roches Point	952	0023	130		
Valentia	953	9715	000		

OCEAN WEATHER STATION REPORTS at 12h.

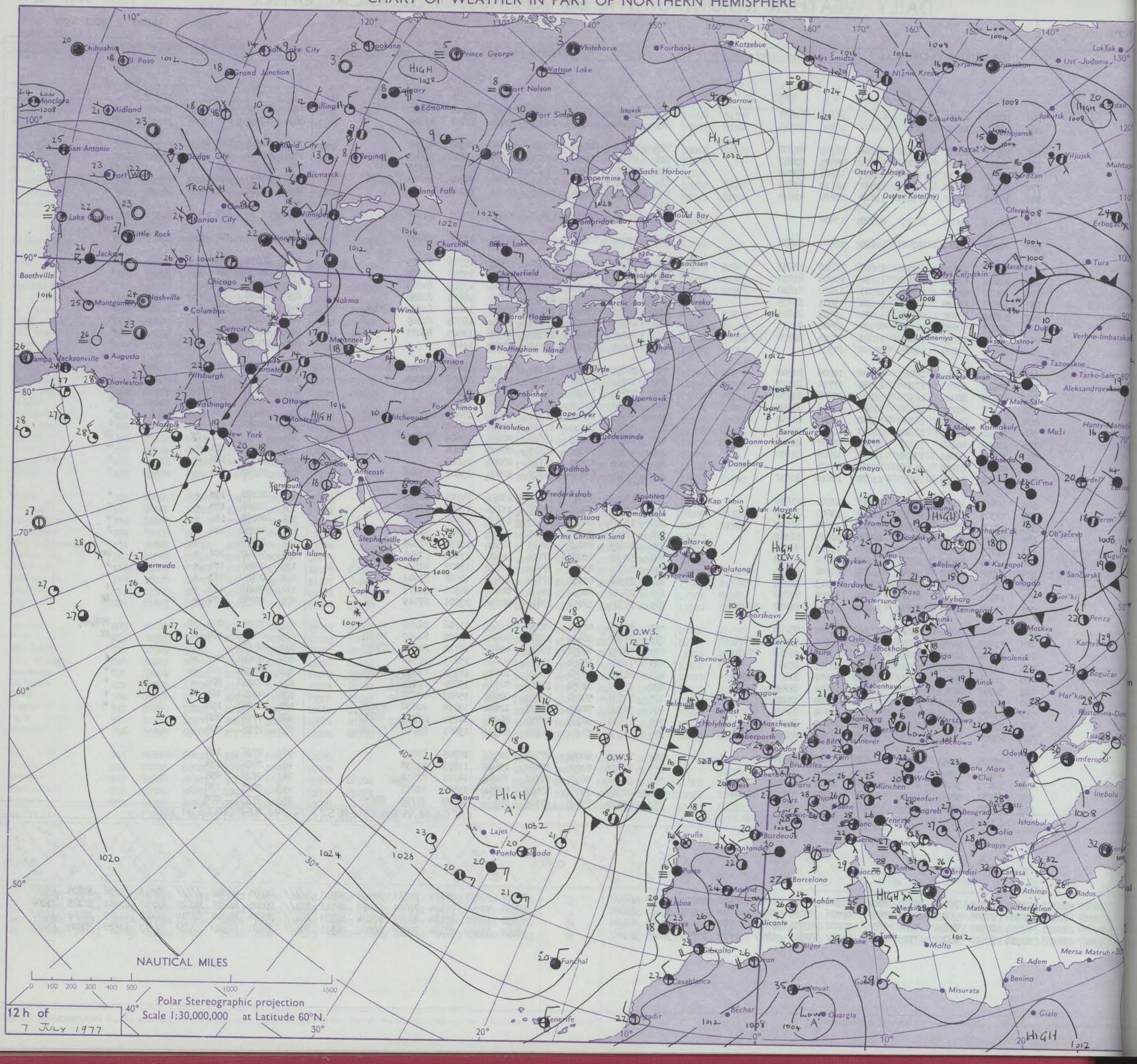
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	07121	81510	96285	20712	864//	00104	88718	/////	00412	11022	30604	/////
L	99569	70206	07124	72409	98022	23012	784//	00306	82815	86635	0//10	11294	30302	22804
M	99659	10021	07124	80310	93444	25808	861//	31002	88702	/////	0//08	11121	30201	99/02
R	99467	70168	07124	73620	98022	27715	756//	00307	87640	/////	0//12	11585	30605	/////

OCEAN WEATHER STATION REPORTS at 18h.

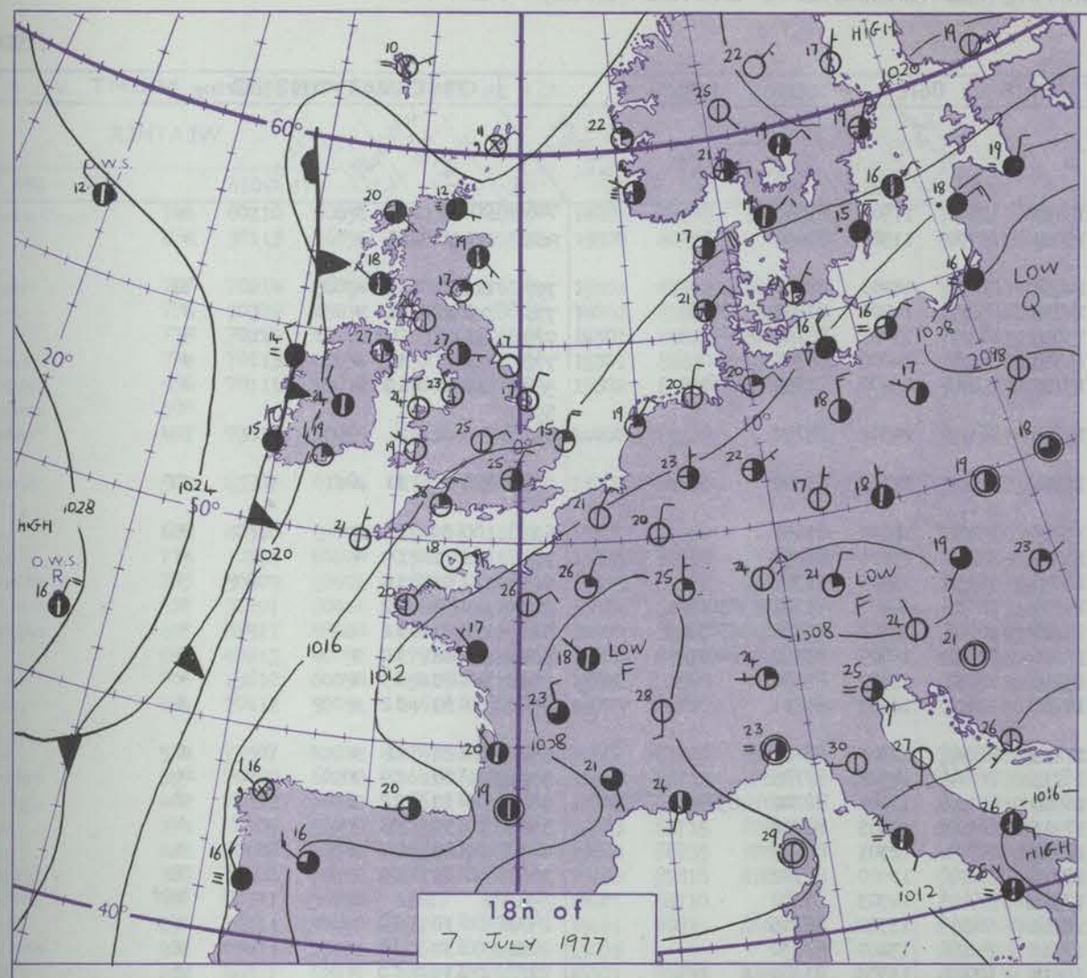
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	07181	91711	91454	20212	9////	00605	89/02	/////	00513	11036	30705	/////
L	99569	70204	07184	72911	98015	24312	784//	00306	84815	87630	0//10	11291	30303	23804
M	99658	10021	07184	80209	97024	25308	862//	00606	84704	88710	0//08	11100	30201	/////
R	99468	70168	07184	70119	98022	28315	756//	00801	87640	/////	0//13	11578	30605	/////

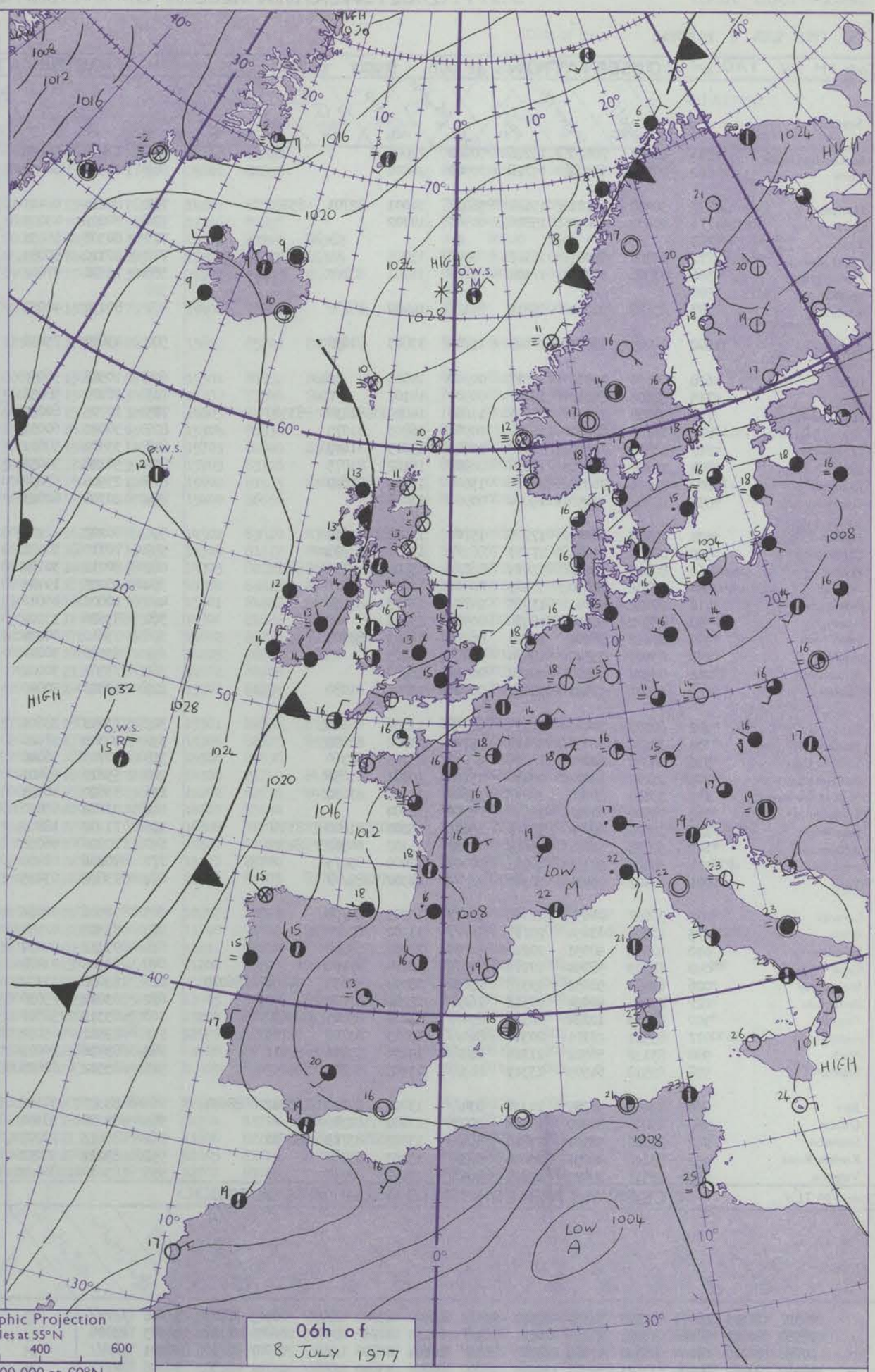
All times of observation printed in this publication are GREENWICH MEAN TIME.

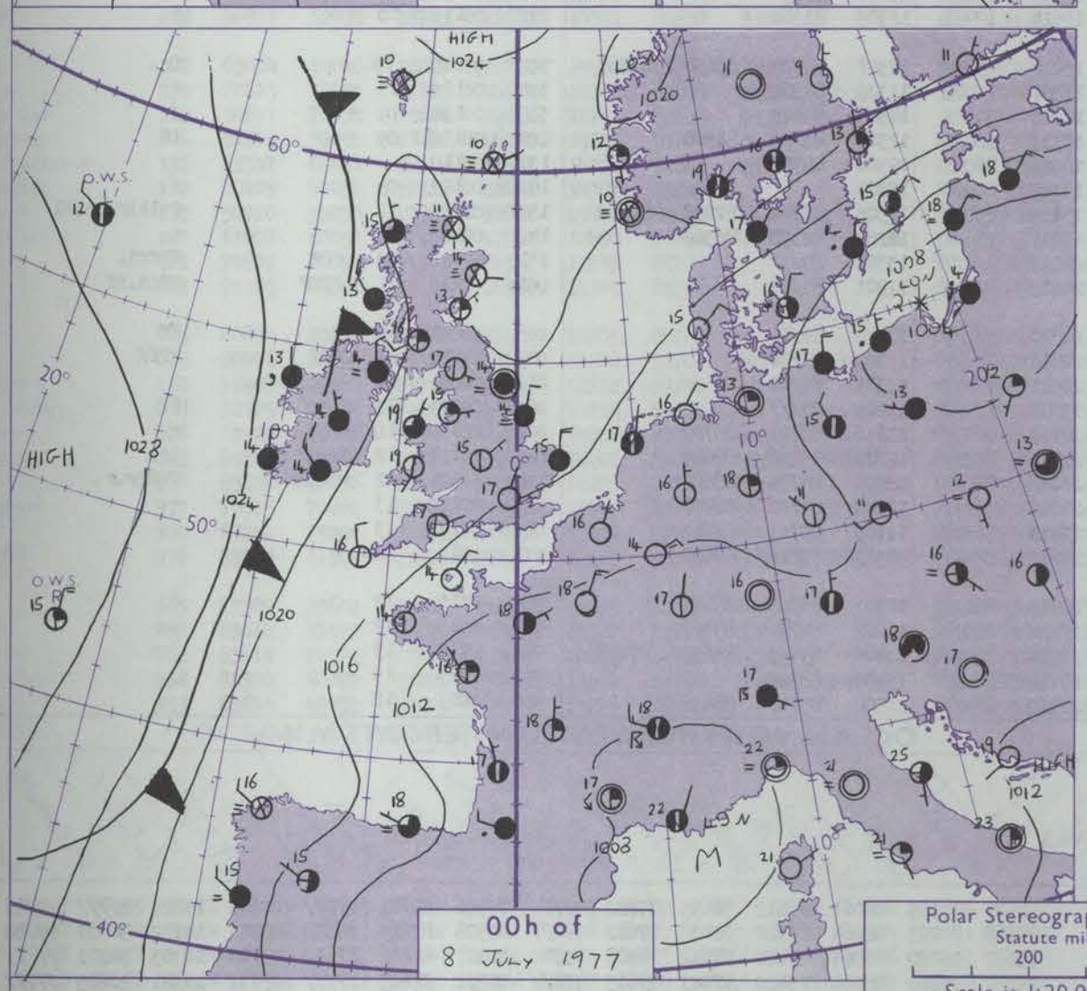
CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH 1028
TROUGH
HIGH 1032
HIGH 'A' 1032
HIGH
HIGH
HIGH

CHARTS OF WEATHER IN WESTERN EUROPE







Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday FRIDAY 8 JULY 1977

Relatively low pressure has persisted from the western Mediterranean to the Baltic while a belt of high pressure has been maintained from the Azores to the Norwegian Sea. A low near southwest Iceland has filled but an associated frontal trough has moved into western parts of the British Isles. During the next 24 hours little change likely in the general pressure distribution. However, a strengthening of the Atlantic ridge with a new high expected to form between Scotland and Iceland, will lead to an increased northeasterly airflow over much of the British Isles.

Code FM 11.V **OBSERVATIONS at 00h.** 8 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	00107	70020	16216	00900	12000			
Hurn	862	00303	62020	15716	00900	14801			
Manston	797	50210	40101	15614	560//	14001	82701	85702	
Gatwick	776	00302	59040	15816	00900	14802			
Kew	775								
Heathrow	772	00306	63021	16317	00900	13003			
Honington	586	83506	35101	17114	862//	13101	88703		
Wattisham	590								
Gorleston	497	83618	32054	16815	861//	14400	88702		
Aberporth	502	12006	75011	17419	15700	13803	81650		
Filton	628	00704	75010	16717	00900	14801			
Rhoose	715	03603	65010	16717	00900	14101			
Hartland Point	703	30708	78011	16919	11630	14000	81830	83360	
Mount Batten	827	10203	62050	15919	00901	16803	81075		
St. Mawgan	817	13606	70020	16917	15600	13003	81645		
Scilly	804	13408	56020	18616	00901	15102	81075		
Culdrose	809	10206	70050	16318	15600	13804	81640		
Guernsey	894	00308	58050	15014	00900	13400			
Elmdon	534	10403	60040	17915	15700	13004	81650		
Cardington	559	80709	25101	17713	862//	13301	88703		
Wittering	462	80410	18101	17813	860//	13801	83700	88701	
Watnall	354	03402	50050	18513	00900	11000			
Shawbury	414	20202	50041	17915	24700	13103	82650		
Finningley	360	03502	56040	18514	00900	13001			
Spurn Point	396	80112	56104	18914	862//	13203	88703		
Leeming	257	03405	35040	19414	00900	11205			
Tynemouth	262	03504	56100	20114	00900	14400			
Carlisle	222	11007	57041	18617	00901	13204	81080		
Valley	302	60303	70021	17919	6093/	11802	86360		
Ringway	334	30102	62030	18119	35700	13002	83650		
Squires Gate	318	20806	62030	18215	20930	13103	82360		
Ronaldsway	204	11202	82011	18416	15700	10302	81656		
Mull of Galloway	131	33410	80020	18817	35600	11106	83630		
Eskdalemuir	162	03502	60011	19614	00900	12104			
Prestwick	135	32509	62040	18716	15682	15204	81640	83362	
Abbotsinch	140	60808	62051	19018	40982	11107	84362	84075	
Leuchars	171	30405	50111	19913	00901	12000	83075		
Dyce	091	90902	05434	20314	9////	14302	89///		
Lerwick	005	90607	00455	22310	9////	10201	89/00		
Wick	075	91206	01454	20711	9////	11102	89/00		
Sule Skerry	010	50912	58051	20212	50930	12002	85360		
Cape Wrath	049	72303	58054	19219	7097/	16104	87460		
Stornoway	026	63404	58052	19315	25632	13108	82635	84364	86075
Benbecula	022	73011	50024	20313	762//	12207	87704		
Tiree	100	83213	12284	20313	850//	13207	85701	88630	
Aldergrove	917	83511	28101	20314	860//	13213	83700	88701	
Malin	980	83112	56502	21314	863//	14106	85706	88711	
Belmullet	976	83510	64505	23313	863//	11108	82709	88717	
Birr	965	83407	56259	21114	834//	13009	84712	83922	88635
Dublin	969	23006	80020	19016	20930	11003	82359		
Shannon	962	83606	58101	21816	854//	13207	83712	88622	
Roches Point	952	83116	40051	20014	863//	13203	88708		
Valentia	953	83511	70022	22814	864//	12102	88717		

OBSERVATIONS at 06h. 8 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	13406	56050	15413	10930	11501	81362		
862	13502	60020	15014	15700	11500	81650		
797	80114	08411	14014	860//	14201	88700		
776	80207	43041	14915	862//	14000	81705	88706	
775	80308	56051	15615	863//	13002	88708		
772	80310	50051	15515	863//	14002	88707		
586	73507	57012	15715	752//	13400	82704	87621	
590								
497	80114	48052	15615	861//	14501	88702		
502	43007	75030	17314	48602	12102	83840		
628	10508	56050	15915	15701	12605	81656		
715	10704	58050	16015	10931	13201	81359		
703	10705	60050	16016	10930	15303	81365		
827	30903	60051	15219	10931	14101	81363	83075	
817	33502	58011	15916	10932	14502	81360	83075	
804	50108	30031	17116	30932	15605	83360	84075	
809	23506	57050	15716	10931	15302	81360		
894	20108	62021	14116	25400	14503	81711		
534	80207	12104	17213	860//	12303	88700		
559	70710	50102	16715	762//	14302	87705		
462	80211	30104	16914	861//	13501	82702	85703	88704
354	80207	19101	17913	861//	12303	88702		
414	10000	45040	17113	00901	12301	81075		
360	83606	33101	17914	861//	13500	88702		
396	93610	04434	17514	9////	14503	89/00		
257	83510	30041	18914	862//	13302	88705		
262	73507	30102	19713	756//	13400	87630		
222	10809	50040	18514	10981	12303	81360		
302	73413	28601	18014	4528/	12307	82705	83656	87358
334	10305	57020	17317	10941	11301	81362		
318	10703	56040	17616	00901	14301	81075		
204	53612	56401	17713	16082	12302	81700	84360	
131	83620	40031	18616	860//	09304	88701		
162	03202	65010	19115	00900	12304			
135	71102	18809	19015	2328/	14305	81704	82938	87362
140	70906	56052	19217	2368/	13205	82930	86362	
171	90206	02434	20113	9////	13303	89///		
091	93602	03435	20211	9////	11201	89/01		
005	90506	00454	22310	9////	10103	89/00		
075	91308	02434	20711	9////	11203	89/00		
010	91112	04474	20511	9////	11303	89/00		
049	92305	01474	19913	9////	13205	89///		
026	83008	12102	20713	860//	13310	83701	88702	
022	83012	75039	21413	853//	12209	85706	88618	
100	83313	58609	21113	852//	12500	84704	88620	
917	83511	65022	20014	863//	12802	84706	88707	
980	83416	70025	21413	864//	11103	83711	88715	
976	83512	82025	23212	854//	08303	83718	88640	
965	83309	59102	20913	864//	12301	86715	88635	
969	83208	38101	19415	863//	14202	84706	88709	
962	83613	70205	21414	7547/	11400	83713	85650	87459
952	83221	50052	19114	863//	13400	88708		
953	83611	80022	21914	864//	11500	85717	88633	

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00120	09 +		+
862	00130	11 +		+
797	00130	13 +		1f
776	00140	11 +		+
775	00140	10 +		+
772	00130	11 +		+
586	00130	13 +		+
590				
497				
502	00130	11 +		ff
628	00150	12 +		+
715	00140	09 +		+
703	00150	14		
827	00160	12 +		+
817	00150	12 +		+
804	00140	12 +		+
809	00140	13 +		+
894	00130	12 +		+
534	00120	08 +		f
559	00120	09 +		+
462	00130	12 f		f
354	00130	08 +		+
414	00110	07 +		+
360	00130	09 +		+
396		F		Fff
257	00130	10 +		+
262	00130	12 +		+
222	00130	10 +		+
302	97140	13 +		1r.
334	00160	13 +		+
318	00130	09 +		+
204	00130	09 +		jf
131	00110			
162	00110	08 +		+
135	02131	12 +		ftltlr.pr.tl
140	00160	13 +		+
171	97120	08 iffF		FFffd.
091	97110	11 ifffF		FFid.ff
005	00091	10 FF		FF
075	97110	11 ffFF		FFff
010	00091	10		
049	00121	13 +		FF
026	00130	10 +		+
022	03131	12 ft.pR		1r.
100	10121	12 ffTlRr		TlRrr.r.
917	00130	13 +		+
980	9713	13		
976	9712	12		
965	0313	13		
969	0015	12		
962	9713	13		
952	0013	13		
953	0013	12		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	08001	91713	91534	20012	9////	00400	89/02	/////	00513	11039	3//06	/////
L	99569	70203	08004	73011	97258	26511	784//	00112	81712	83815	0//09	11289	30303	23804
M	99658	10020	08004	80210	97024	25907	863//	00104	88706	/////	0//07	11105	30201	/////
R	99469	70169	08004	33621	98021	30115	35600	00002	83640	/////	0//12	11583	30806	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	08061	91612	90455	19212	9////	00706	89/01	/////	00412	11024	3////	///06
L	99568	70203	08064	73110	98038	27612	784//	00308	83815	86630	0//11	11272	30302	99/04
M	99657	10020	08064	70410	97012	26308	75300	00107	84708	87612	0//07	11103	30201	/////
R	99468	70169	08064	73620	97021	29615	755//	00502	87623	/////	0//12	11581	30805	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. 8

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42233

Date of Issue SATURDAY 9 JULY 1977

OBSERVATIONS at 12h. 08 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{app}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Oscombe Down	746	60110	60051	15120	684//	14804	83818	85640	
Durn	862	30113	56051	14821	21530	15806	82820		
Manston	797	70214	56054	13817	761/1	15201	84702	87704	
Hatwick	776	50309	65012	14221	58600	14802	83832	83640	
New	775	70210	62022	15319	785//	14301	82825	87635	
Heathrow	772	70113	60031	15219	785//	15301	82820	87635	
Honington	586	70111	80012	15021	785//	15802	85820	86628	
Wattisham	590								
Borleston	497	93618	00454	15614	9////	14400	89/00		
Aberporth	502	83307	01464	17514	860//	13202	88700		
Milton	628	40310	59050	16220	11639	15803	81840		
Shoose	715	30708	60020	15423	11681	15803	81840		
Hartland Point	703	50405	59051	16718	12745	13305	81850	85275	
Mount Batten	827	32107	80011	14822	12632	15804	81840	83075	
St. Mawgan	817	43511	58020	16121	12682	14400	81845	84075	
Scilly	804	50213	40052	17920	32672	16102	83830	84360	
Guldrose	809	23610	60050	15423	11631	15702	81840		
Guernsey	894	70412	50051	14616	663/2	14005	86706		
Elmdon	534	73507	42042	17017	753//	14802	81709	87611	
Cardington	559	70409	60202	16418	754//	16400	85712	87616	
Wittering	462	70312	66012	16618	754//	15702	85710	87640	
Watnall	354	70109	50055	17519	754//	15503	82715	87645	
Shawbury	414	70508	62041	16522	786//	15804	86835	87645	
Finningley	360	70308	70022	17719	784//	15702	85816	87624	
Spurn Point	396	80311	58054	17817	864//	14001	88710		
Leeming	257	70411	59042	19218	784//	14101	86815	86630	
Tynemouth	262	03613	23102	20614	00900	13203			
Carlisle	222	40911	62030	18923	12681	16301	81830	83362	
Valley	302	63414	50046	18217	16231	14500	81704	86359	
Ringway	334	70613	58051	17821	48670	14302	81835	84650	85359
Squires Gate	318	50611	70031	17624	22681	17701	82835	83359	
Ronaldsway	204	51305	59051	18421	16281	14205	81704	84075	
Mull of Galloway	131	73517	62051	18918	12531	14101	81825	84360	
Eskdalemuir	162	40405	80030	19321	22682	14301	82840		
Prestwick	135	52910	59059	19221	38682	15400	82835	84362	
Abbotsinch	140	61008	60052	19423	12781	12400	81850	84365	
Leuchars	171	70807	60055	21515	763//	12109	87707		
Dyce	091	21105	62055	21118	16340	13105	81706		
Lerwick	005	80607	40284	24011	861//	11209	88702		
Wick	075	80906	28284	22513	860//	12208	82701	84702	88703
Sule Skerry	010	91409	08434	23013	9////	12212	89/00		
Cape Wrath	049	92305	02434	22613	9////	11214	89/00		
Stornoway	026	63510	62052	22517	1633/	14210	81709	86359	
Benbecula	022	83312	70036	22613	852//	12207	83705	86708	88616
Tiree	100	83514	62036	22114	853//	12205	86709	88618	
Aldergrove	917	73515	70022	21016	753//	13304	82709	86711	87645
Malin	980	83414	75026	22413	7642/	11303	87718	88459	
Belmullet	976	83613	81505	23614	864//	11203	83716	86719	87634
Birr	965	83309	70602	21414	864//	12203	87716	88632	
Dublin	969	83412	59102	19517	864//	14302	83712	88718	
Shannon	962	83613	82022	21915	864//	10001	82711	88718	
Roches Point	952	83320	60022	19916	6642/	13102	81712	86718	88458
Valentia	953	63616	80032	22415	62400	11202	86818		

OBSERVATIONS at 18h. 08 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{app}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Oscombe Down	746	40108	66011	14421	32531	14602	83820		
Durn	862	20111	60051	14321	11530	15801	81820		
Manston	797	70118	42054	13516	761/2	14101	87702		
Hatwick	776	60506	56252	14119	58602	17106	84838		
New	775	70313	70022	14521	3258/	15303	83824	86362	
Heathrow	772	70213	65251	14420	2857/	17301	82822	86365	
Honington	586	70212	64012	15418	38472	14103	83814	86072	
Wattisham	590								
Borleston	497	70211	48102	15715	753//	15400	87606		
Aberporth	502	83006	12104	17214	860//	13603	85701	88705	
Milton	628	60512	60051	15920	686//	15501	81832	86645	
Shoose	715	50509	56041	15420	32631	14302	83840	84075	
Hartland Point	703	60108	64052	15917	32636	14603	83835	83360	86075
Mount Batten	827	71606	65951	14719	636/2	15304	86930		
St. Mawgan	817	43508	50051	15418	12632	15703	81840	83075	
Scilly	804	30114	50051	17218	36400	15703	83710		
Guldrose	809	33515	40050	15019	12601	15602	81835	83072	
Guernsey	894	70108	56051	14017	6573/	15400	86656		
Elmdon	534	70313	60042	16220	785//	14502	83820	83630	87645
Cardington	559	70612	62022	16218	18478	16306	81817	84462	87275
Wittering	462	70411	68218	16818	6847/	14303	82815	86645	87362
Watnall	354	70314	60058	17519	784//	14304	83818	87650	
Shawbury	414	70707	59041	16621	785/1	15301	84822	86650	
Finningley	360	80210	67032	17919	885//	14306	82822	88650	
Spurn Point	396	80116	62052	17816	865//	14602	88720		
Leeming	257	80411	50042	19817	854//	14205	86710	88630	
Tynemouth	262	80213	09414	21114	863//	14102	88708		
Carlisle	222	21112	62010	19422	12631	15208	81834		
Valley	302	73612	57042	18018	25732	13301	82656	85360	
Ringway	334	70612	62032	17721	2858/	13305	82825	85358	
Squires Gate	318	40712	72031	18322	28681	16308	82830		
Ronaldsway	204	73308	60051	18620	22282	14305	81705	84358	
Mull of Galloway	131	63413	60051	19217	2568/	14202	82635	84358	
Eskdalemuir	162	30407	80011	20021	32630	14309	83844		
Prestwick	135	72808	57259	20018	63432	16308	81712	83930	85656
Abbotsinch	140	70711	68031	20023	1368/	15311	81935	85360	
Leuchars	171	80611	07411	22314	860//	13210	88700		
Dyce	091	80704	35051	22715	862//	13206	81703	83704	88705
Lerwick	005	80412	40102	24811	860//	10207	88701		
Wick	075	80708	08415	24312	860//	11210	84700	88701	
Sule Skerry	010	80912	16102	24912	864//	12211	88710		
Cape Wrath	049	91412	01454	23711	9////	11208	89/00		
Stornoway	026	23414	60051	24015	25300	13309	81709		
Benbecula	022	83312	58032	23514	852//	13005	84705	85708	88618
Tiree	100	50113	58012	22915	25380	13204	81707	84358	
Aldergrove	917	83512	60158	20914	862//	12501	88705		
Malin	980	83612	75219	22713	864//	12400	86715	88718	
Belmullet	976	63615	82022	23314	45432	10000	81714	83636	
Birr	965	83406	70026	20715	864//	12604	86716	87636	
Dublin	969	83610	62106	19717	854//	14304	83714	86620	87635
Shannon	962	70110	83012	21115	754//	11606	82718	86622	86645
Roches Point	952	73117	60012	19416	1647/	12605	81715	87358	
Valentia	953	53612	81011	21416	58500	12707	83823		

OBSERVATIONS during DAY

Station	iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Oscombe Down	746	00210	063 +		+
Durn	862	00220	105 +		+
Manston	797	97190	058	jf1f	d.
Hatwick	776	02230	037 +		pr.pr
New	775	00220	052 +		+
Heathrow	772	95241	067 +		pr.
Honington	586	00220	014 +		+
Wattisham	590				
Borleston	497		000		
Aberporth	502	00150	005	ff	ff
Milton	628	00220	117 +		+
Shoose	715	00240	091 +		+
Hartland Point	703	00200	122		
Mount Batten	827	11231	112 +		tl.r.tlR
St. Mawgan	817	00220	133 +		+
Scilly	804	00200	071 +		+
Guldrose	809	00240	135 +		tl.
Guernsey	894	00200	135 +		+
Elmdon	534	00200	001 +		+
Cardington	559	97210	020	id.	r.
Wittering	462	97200	003 +		pr.r.
Watnall	354	97210	005	d.	pr.
Shawbury	414	00230	092 +		+
Finningley	360	00200	001 +		+
Spurn Point	396		+		+
Leeming	257	00190	006 +		+
Tynemouth	262	00150	028 +		ff
Carlisle	222	00250	144 +		+
Valley	302	00200	096	jf	+
Ringway	334	00220	091 +		+
Squires Gate	318	00250	126 +		+
Ronaldsway	204	00230	095 +		+
Mull of Galloway	131	00200			
Eskdalemuir	162	00230	135 +		+
Prestwick	135	02221	058	tlr.	tlrpr.
Abbotsinch	140	00260	103 +		+
Leuchars	171	97170	025 +		ifd.
Dyce	091	00200	058 +		jf
Lerwick	005	00131	000	FFff	+
Wick	075	97130	000	ifid.	id.ff
Sule Skerry	010	00141			
Cape Wrath	049	00200	008	FF	FF
Stornoway	026	00190	069 +		+
Benbecula	022	93151	000	ir.	+
Tiree	100	00151	010 +		+
Aldergrove	917	92160	003	r.	pr.r.
Malin	980	0114	000		
Belmullet	976	9716	003		
Birr	965	9115	006		
Dublin	969	9719	000		
Shannon	962	0017	001		
Roches Point	952	0017	003		
Valentia	953	0017	039		

OCEAN WEATHER STATION REPORTS at 12h.

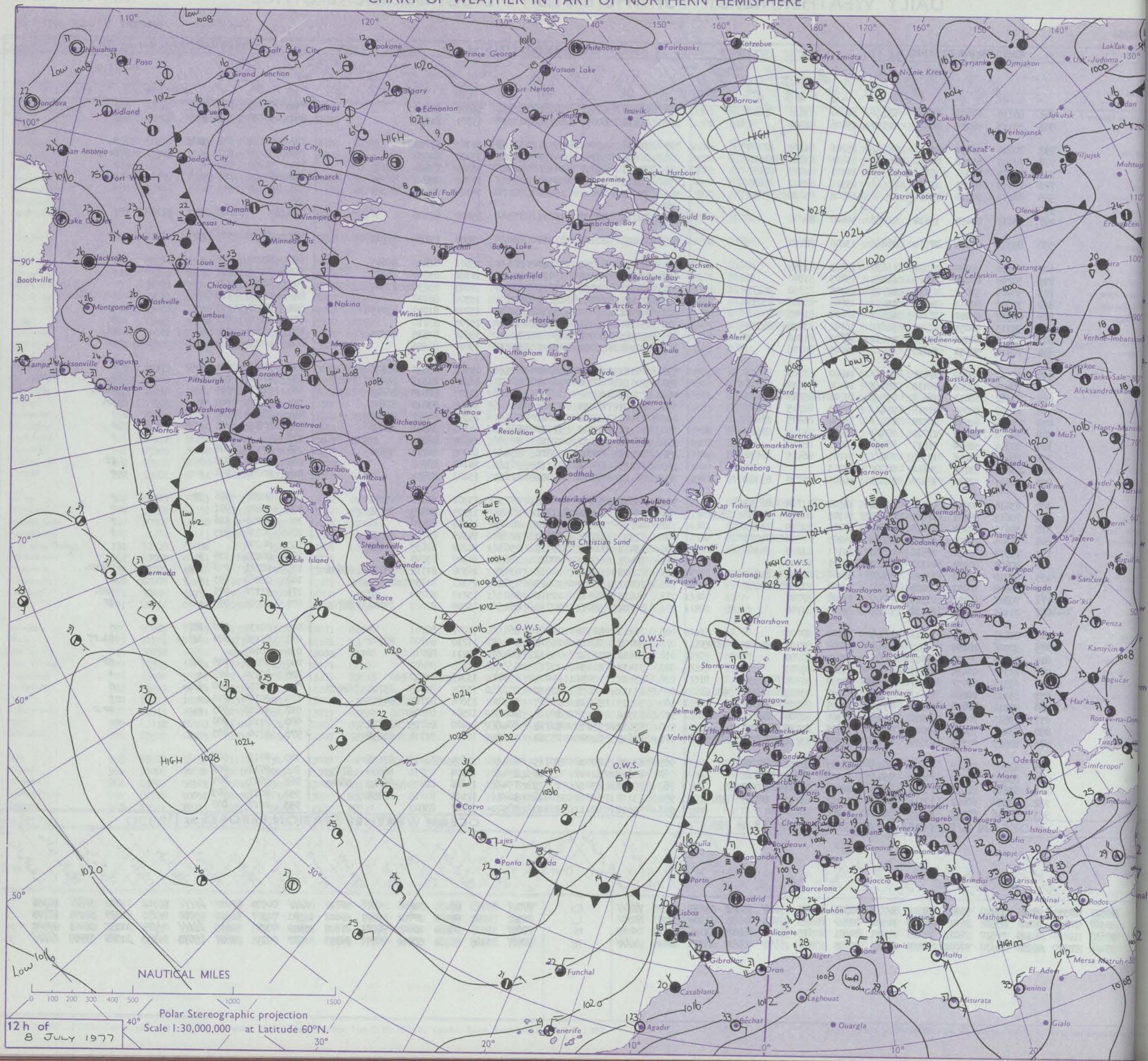
O.W.S.		$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
//06	C	99527	70355	08121	91810	91455	20312	9////	00305	89/02	/////	00412	11022	30806	/////
9/04	L	99567	70202	08124	43308	99011	29312	18501	00209	81823	84081	0//11	11304	30201	99/03
////	M	99657	10019	08124	30510	98011	27109	25431	00201	82615	/////	0//08	11126	30201	00/00
////	R	99468	70170	08124	73618	97022	30315	755//	00105	87630	/////	0//12	11593	30704	/////

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.		$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	C	99527	70355	08181	91808	91476	20712	9////	00504	89/02	/////	00312	11030	3////	20106
	L	99567	70202	08184	30402	99021	30612	11501	00307	81820	83080	0//10	11379	30201	27703
	M	99657	10018	08184	20409	98011	27810	25400	00203	82615	/////	0//09	11152	30201	09502
	R	99467	70168	08184	53416	98012	28715	12502	00711	81827	85073	0//13	11588	30703	/////

s, Met.O. 8d times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of 8 JULY 1977

06h of 9 JULY 1977

00h of 9 JULY 1977

Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday SATURDAY 9 JULY 1977

During the past 24 hours pressure remained high to the northwest of the British Isles and low over France and Germany maintaining a northeasterly airstream over all districts with minor troughs affecting some western and southern parts. During the next 24 hours the high to the northwest is expected to build a little and move slowly towards northwest Scotland maintaining the northeasterly airstream over most districts.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V

OBSERVATIONS at 00h. 09 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10410	65011	17215	10930	13207	81360		
Hurn	862	03405	65011	17015	00900	1311[illegible]			
Manston	797	80113	48055	15615	862//	14103	88703		
Gatwick	776	40308	59041	16516	45501	14106	84622		
Kew	775								
Heathrow	772	70208	59051	17017	754//	14008	84714	86620	
Honington	586	83610	45602	17115	872//	14105	88704		
Wattisham	590								
Gorleston	497	53620	60016	17015	55500	14204	85625		
Aberporth	502	70805	30052	19315	35502	14208	83625	8607[illegible]	
	627								
Filton	628	70506	70022	18017	755//	14110	81625	87656	
Rhoose	715	70607	60251	17418	32532	14109	83820	85362	87075
Hartland Point	703	70706	40102	17815	7091/	15112	87460		
Mount Batten	827	20102	58059	16916	00901	15106	82070		
St. Mawgan	817	60303	40056	17216	29682	14106	82930	84359	
Scilly	804	50109	40131	18115	25402	14205	82617	85075	
Culdrose	809	83605	15059	17016	8097/	15305	88362		
Guernsey	894	70508	59051	15915	757//	14104	87650		
Elmdon	534	60310	61012	18716	653//	13106	81706	83711	85613
Cardington	559	80510	62606	18215	872//	15207	84705	88708	
Wittering	462	80315	58022	18715	863//	13307	84706	88707	
Watnall	354	70211	50052	19915	763//	13208	87707		
Shawbury	414	20208	59041	19616	25601	1421[illegible]	82630		
Finningley	360	33505	65011	20514	30970	13114	83363		
Spurn Point	396	20118	60011	19914	20970	13208	82360		
Leeming	257	80113	50042	22415	862//	13112	88704		
Tynemouth	262	80113	39104	23414	863//	13312	88706		
Carlisle	222	40603	58021	23015	20932	13118	82362	83075	
Valley	302	70608	60042	20918	7097/	14215	87359		
Ringway	334	80409	62022	20517	1157/	12212	81820	88359	
Squires Gate	318	10407	65011	21316	10930	15112	81362		
Ronaldsway	204	60307	66012	21717	15731	13114	81650	83360	85075
Mull of Galloway	131	60208	60022	23317	2553/	14220	82625	86360	
Eskdalemuir	162	80108	65031	23613	862//	12112	88703		
Prestwick	135	10807	57048	23215	15600	14213	81640		
Abbotsinch	140	60906	56051	24215	653//	13121	82706	85650	
Leuchars	171	80608	17515	25113	860//	12213	88700		
Dyce	091	83411	56051	25512	862//	11212	84705	88707	
Lerwick	005	80413	30102	26310	860//	10003	88701		
Wick	075	90208	08454	26710	9////	10208	89/01		
Sule Skerry	010	80209	74024	27611	855//	11209	88625		
Cape Wrath	049	91408	01474	26311	9////	11205	89/00		
Stornoway	026	90412	09454	27012	9////	12112	89/01		
Benbecula	022	80407	63284	26312	862//	12212	88703		
Tiree	100	33614	22104	24912	36100	12211	83702		
Aldergrove	917	93508	04476	23412	9////	12211	89/00		
Malin	980	93609	03479	24713	9////	12209	89/02		
Belmullet	976	80115	74036	24813	854//	11305	84716	87636	
Birr	965	80105	60102	22214	864//	12108	88713		
Dublin	969	50207	59106	21614	556//	13208	85640		
Shannon	962	83607	80216	22513	864//	12206	83713	85717	87623
Roches Point	952	73412	65216	20314	5547/	13203	81717	85632	87358
Valentia	953	70309	75022	22014	785//	11103	82821	87635	

OBSERVATIONS at 06h. 09 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	70210	62021	18015	764//	13308	87710		
862	70208	60031	17616	754/1	14209	85710	86635	87070
797	80113	35656	16215	861//	14307	84702	88703	
776	80209	58601	17016	873//	15307	88709		
775	80306	58216	18215	873//	13307	85708	88712	
772	80212	58606	17915	853//	14306	84709	88612	
586	83613	57036	18215	862//	14209	88705		
590								
497	60120	64031	17815	655//	14210	86625		
502	60610	50052	20615	35732	13208	83650	84360	85075
628	70607	62012	19016	755//	14207	84620	86645	
715	70608	60031	18615	35432	13307	81710	83630	85075
703	60515	64012	18516	3563/	15106	83630	84360	
827	10505	66051	17917	15701	14210	81656		
817	70506	56052	18117	45672	13307	84630	85459	
804	60706	40056	18515	68430	15208	81817	86625	
809	80810	56051	17816	2567/	14306	82645	88466	
894	30307	56101	16814	26230	13309	82704		
534	70210	59041	20314	753//	12209	87608		
559	80516	62026	19414	863//	13310	84707	88709	
462	70213	58012	19914	763//	12209	87707		
354	60113	60012	21015	663/1	13209	86709		
414	40111	58041	21115	25730	13212	82650	83360	
360	73611	70021	21715	763//	13209	83709	87711	
396	83619	10104	20814	862//	13208	88705		
257	83615	57045	23214	863//	12106	88706		
262	83522	39505	23913	864//	13102	88712		
222	70409	70021	24514	754//	12110	82714	87620	
302	70610	63042	22417	20932	13112	82360	87075	
334	50211	65022	22015	48431	12312	81712	83640	
318	30602	58040	22416	20981	14210	82360		
204	70713	72032	22716	15442	13108	81712	87075	
131	51006	70012	23715	35501	13205	83625	84072	
162	83611	65032	25312	863//	09319	88708		
135	70409	58041	25314	66232	12110	81705	86708	
140	80907	40205	25814	862//	13206	83703	88706	
171	72307	50055	25713	762//	12104	83704	87706	
091	83315	57502	26511	871//	10209	82702	85703	87705
005	70311	62104	27610	762//	10207	82703	87706	
075	80109	40505	27910	870//	10209	83701	88702	
010	83614	58052	28711	864//	10107	88715		
049	90908	01454	28210	9////	10210	89/00		
026	80513	57104	28411	860//	11209	81701	83705	88707
022	50609	40284	27412	56200	12210	82705	84707	
100	03513	50100	26213	00900	13311			
917	93610	02434	24812	9////	12108	89/00		
980	93204	02434	25513	9////	13303	89/02		
976	80211	07514	25913	862//	13211	83705	88708	
965	80105	32106	23713	864//	12311	85713	87635	
969	60311	58102	23216	15632	14212	81645	85070	
962	60205	56106	23415	563/2	13307	83709	86645	
952	83508	50216	20815	874//	14204	84718	88625	
953	80312	58216	22114	854//	13506	83710	88633	

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	97140	10	+	r.
862	97130	11	+	r.
797	10141	14	d.jfr.	r.Rrr.RR
776	01151	13	+	r.r.d.r.
775	91150	14	r.	r.r
772	91150	14	+	ir.
586	92131	12	r.r	+
590				
497				
502	00130	11	+	+
628	00150	14	+	+
715	97150	13	pr.	+
703	00150	13	+	+
827	00161	12	+	+
817	97150	12	r.	+
804	93140	14	ir.	ir.
809	00150	12	+	+
894	00130	10	+	+
534	00140	13	+	+
559	97130	15	ir.	+
462	00130	12	+	+
354	00130	11	+	+
414	00120	09	+	+
360	00140	12	+	+
396			ff	ff
257	97130	13	d.d.	+
262	91130	12	id.	id.
222	00130	11	+	+
302	00150	14	+	+
334	00150	13	+	+
318	00130	09	+	+
204	00150	13	+	+
131	00130			
162	00120	10	+	+
135	00130	12	+	+
140	97130	13	+	id.
171	97120	12	d.d.	+
091	97110	12	+	d.d.
005	00090	10	+	+
075	97101	10	ffid.	id.d.d.
010	00090	10		
049	00091	10	FF	FF
026	00110	11	ff	ff
022	00110	10	ff	f
100	00121	10	f	jf
917	91110	12	ff	ffFf
980	0112	12		
976	9712	11		
965	9713	12		
969	97140	11		
962	9513	12		
952	0114	13		
953	0114	12		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	09001	93404	90516	21510	9////	00309	89/01	/////	00011	11056	3//01	///06
L	99567	70202	09004	70703	98031	31712	20932	00205	82365	87080	0//10	11366	30100	27802
M	99657	10018	09004	82603	98031	27209	854//	00603	83612	88620	0//08	11178	30201	09602
R	99469	70169	09004	83516	97031	27915	855//	00806	88623	/////	0//12	11581	30704	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	09061	93306	91476	21610	9////	00201	89/02	/////	00110	11039	3//02	///06
L	99568	70202	09064	51605	98031	31912	35502	00103	83620	83080	0//10	11333	30201	99/02
M	99657	10018	09064	82814	98022	26209	854//	00702	88615	/////	0//09	11136	30302	09602
R	99469	70170	09064	73609	97616	24114	773//	00722	84710	87630	0//13	11574	30000	34702

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bra

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42234

Date of Issue SUNDAY 10 JULY 1977

OBSERVATIONS at 12h. 9 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$
Boscombe Down	746	70213	65026	19019	4553/	12001	84624	86360	
Hurn	862	80207	57616	19216	6547/	14209	81712	86635	88359
Manston	797	80120	56216	18016	853//	14108	86706	88630	
Gatwick	776	70211	58046	18818	65401	15203	85618	85650	
Kew	775	60313	65026	19319	685//	13801	83824	84650	
Heathrow	772	30215	68016	19420	38400	14201	82818		
Honington	586	73414	62012	20217	6643/	13107	86713	86359	
Wattisham	590								
Gorleston	497	83516	40022	19615	863//	13206	88706		
Aberporth	502	10107	63021	21719	11500	15203	81825		
Filton	628	60615	70031	20021	68500	14301	85828		
Rhoose	715	20715	66031	19921	28580	13003	81825		
Hartland Point	703	40415	64051	19917	38431	14205	81815	83625	
Mount Batten	827	80708	70031	19219	5867/	14206	82830	83640	87462
St. Mawgan	817	70708	59021	19220	785//	13203	82820	87640	
Scilly	804	50607	56036	20221	58572	17206	82820	84628	
Culdrose	809	50710	64051	19120	38530	14305	82825	84359	
Guernsey	894	70514	56051	17617	31452	14102	82811	85359	
Elmdon	534	80215	59042	21717	854//	13205	88612		
Cardington	559	80713	62022	21315	852//	14209	85705	85709	88617
Wittering	462	70217	80212	21716	753//	14106	82706	84708	87614
Watnall	354	80114	62502	22815	863//	13104	88706		
Shawbury	414	70309	60041	21920	725//	15302	87820		
Finningley	360	83614	70022	23116	864//	13307	88711		
Spurn Point	396	73616	60024	22515	753//	13205	84708	87630	
Leeming	257	83617	58045	24814	853//	12007	83708	88612	
Tynemouth	262	83623	15515	25812	863//	12201	88708		
Carlisle	222	51109	81022	24719	58500	14801	81824	85628	
Valley	302	10213	60041	22621	11501	15204	81822		
Ringway	334	40414	62011	22818	45400	12000	84615		
Squires Gate	318	62404	72021	23021	684//	16203	83818	84625	
Ronaldsway	204	10818	81021	23418	10930	12004	81360		
Mull of Galloway	131	01107	80011	24717	00900	12203			
Eskdalemuir	162	30112	68011	25515	36440	11000	83716		
Prestwick	135	10615	62051	24821	15430	12705	81618		
Abbotsinch	140	10707	58051	25421	15500	13805	81625		
Leuchars	171	11010	65011	26416	16400	11001	81715		
Dyce	091	73317	65055	27014	763//	11701	81707	85708	87709
Lerwick	005	40415	80031	27813	38301	11802	81708		
Wick	075	20408	80015	28814	25401	11102	81712		
Sule Skerry	010	83610	74032	29813	855//	10104	88625		
Cape Wrath	049	90908	01474	29311	9////	10203	89/00		
Stornoway	026	80415	57052	29313	862//	12500	85704	88710	
Benbecula	022	20611	63011	28116	25200	12201	81705		
Tiree	100	03614	60050	26416	00900	14801			
Aldergrove	917	13510	58054	24521	15700	16805	81650		
Malin	980	83204	15284	26614	862//	13204	88705		
Belmullet	976	80214	15285	26315	862//	14002	86705	88710	
Birr	965	70509	59052	23621	725//	16500	87826		
Dublin	969	20612	62051	24019	11402	12306	81818		
Shannon	962	60508	72052	23223	32502	15702	83822	84070	
Roches Point	952	40911	62011	21919	18431	14302	81818		
Valentia	953	70308	70026	22921	11536	16204	81820	86270	

OBSERVATIONS at 18h. 9 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$
Boscombe Down	746	60211	72012	19719	28481	13302	82818	84358	
Hurn	862	30311	68016	19420	35700	14205	83650		
Manston	797	70116	50051	18617	6628/	15205	83705	86708	
Gatwick	776	70110	60022	19020	65531	15202	84624	84656	
Kew	775	60308	68022	20218	645//	13305	81822	83625	
Heathrow	772	50212	66031	19919	585/1	13202	83820		
Honington	586	83511	60022	20915	862//	14205	88705		
Wattisham	590								
Gorleston	497	63615	40052	20714	662//	13205	86703		
Aberporth	502	32702	60050	21018	12502	15704	81825	83075	
Filton	628	60408	59051	21019	68500	14205	82820	85630	
Rhoose	715	70612	57051	20819	755//	13307	87620		
Hartland Point	703	60208	64051	20220	68500	13303	83820	85625	
Mount Batten	827	60907	65012	19321	6563/	15602	82636	86650	
St. Mawgan	817	21002	62011	19720	28530	15301	81820		
Scilly	804	70000	56032	20920	5557/	16303	85625	87360	
Culdrose	809	80805	58052	19918	885//	14303	84825	88640	
Guernsey	894	30513	58051	18216	25730	14202	82656		
Elmdon	534	70310	66036	22019	785//	13303	81820	87622	
Cardington	559	80614	62022	21816	864//	14207	88710		
Wittering	462	80312	66032	22016	864//	13204	88710		
Watnall	354	73610	75015	22717	754//	13304	87614		
Shawbury	414	53610	61042	22419	52502	14302	85822		
Finningley	360	73612	80022	23118	754//	13302	87618		
Spurn Point	396	83620	57022	22915	854//	13301	88610		
Leeming	257	83613	60042	25115	853//	12501	83708	88614	
Tynemouth	262	83620	39105	25912	863//	12400	88708		
Carlisle	222	21106	82021	24618	18531	13302	81822		
Valley	302	40110	68020	22821	10981	14301	81358	84080	
Ringway	334	60312	68021	23417	655//	12302	84620	84640	
Squires Gate	318	20809	70011	23121	10981	15303	81359		
Ronaldsway	204	20615	75010	23220	10981	12000	81362		
Mull of Galloway	131	12705	64281	24018	15500	13807	81625		
Eskdalemuir	162	10311	81020	25316	11540	11000	81827		
Prestwick	135	10612	65020	24124	00901	11802	81080		
Abbotsinch	140	10810	65050	25222	15700	13204	81650		
Leuchars	171	71009	65021	26914	763//	12102	87708		
Dyce	091	13415	82021	27015	16400	11302	81715		
Lerwick	005	30312	70020	28613	18401	10101	81815		
Wick	075	50206	75031	28914	15501	12303	81620	85070	
Sule Skerry	010	83607	74032	29912	855//	11601	88625		
Cape Wrath	049	80908	70034	29411	856//	10101	88630		
Stornoway	026	10618	82021	28913	16302	12500	81708		
Benbecula	022	10508	80020	27617	15501	12803	81625		
Tiree	100	13513	60050	25917	00901	14704	81075		
Aldergrove	917	20506	70010	24124	00901	14803	82075		
Malin	980	13306	62101	26115	16400	13603	81715		
Belmullet	976	80217	18102	25914	863//	13703	87707	88711	
Birr	965	00410	62051	23023	00900	13501			
Dublin	969	10208	68030	23919	00902	14602	81070		
Shannon	962	20809	68051	22425	22500	15504	82827		
Roches Point	952	10808	60050	22119	18401	14302	81818		
Valentia	953	30110	70031	22121	22530	17803	82823		

OBSERVATIONS during DAY

Station	iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00210	055	+	+
Hurn	862	97210	015	r r	+
Manston	797	97181	033	ir	+
Gatwick	776	91220	043	r	+
Kew	775	97210	059	+	r
Heathrow	772	00220	062	+	+
Honington	586	00190	014	+	+
Wattisham	590				
Gorleston	497		006		
Aberporth	502	00200	125	+	+
Filton	628	00230	079	+	+
Rhoose	715	00230	095	+	+
Hartland Point	703	00220	089		
Mount Batten	827	00210	041	+	+
St. Mawgan	817	00210	065	+	+
Scilly	804	00211	037	+	+
Culdrose	809	00210	046	+	+
Guernsey	894	00180	045	+	+
Elmdon	534	97200	032	r	+
Cardington	559	00190	031	+	+
Wittering	462	97190	026	r	+
Watnall	354	97190	028	id	+
Shawbury	414	00210	053	+	+
Finningley	360	00190	007	+	+
Spurn Point	396		+		+
Leeming	257	97150	000	d	+
Tynemouth	262	91131	000	d d id	id
Carlisle	222	00200	097	+	+
Valley	302	00230	129	+	+
Ringway	334	00180	030	+	+
Squires Gate	318	00240	106	+	+
Ronaldsway	204	00230	142	+	+
Mull of Galloway	131	00190			
Eskdalemuir	162	00190	090	+	+
Prestwick	135	00270	138	+	+
Abbotsinch	140	00250	102	+	+
Leuchars	171	00160	095	+	+
Dyce	091	00160	061	+	+
Lerwick	005	00150	116	+	+
Wick	075	97170	080	id	+
Sule Skerry	010	00130			
Cape Wrath	049	00110	023	FF	+
Stornoway	026	00140	065	+	+
Benbecula	022	00190	128	+	+
Tiree	100	00190	145	+	+
Aldergrove	917	00250	135	+	+
Malin	980	9715	070		
Belmullet	976	9716	004		
Birr	965	0024	107		
Dublin	969	0020	122		
Shannon	962	0026	119		
Roches Point	952	0023	116		
Valentia	953	9724	077		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

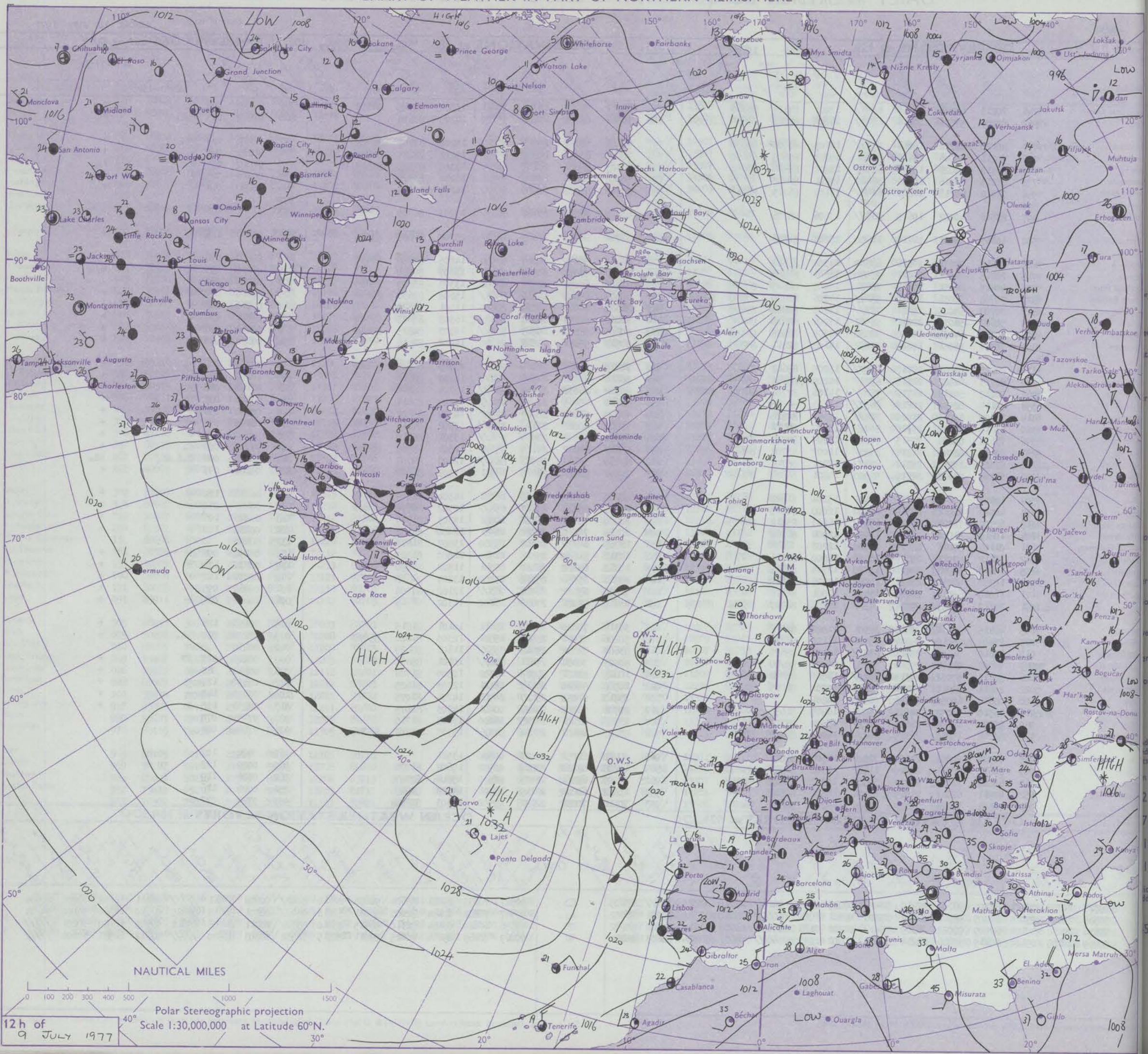
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_t$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	09121	83502	94104	22810	864//	00205	88717	/////	00110	11025	3////	20105
L	99568	70202	09124	31405	98011	32312	35500	00301	83625	/////	0//10	11389	30201	06602
M	99656	10018	09124	82909	98022	26309	854//	00202	88610	/////	0//08	11144	30302	99/02
R	99469	70168	09124	60119	97806	23214	68500	00602	85820	/////	0//12	11584	30603	34704

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_t$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	09181	83604	96636	22410	8042/	00706	88511	/////	00111	11058	30201	20904
L	99567	70202	09184	82003	98031	32313	854//	00201	86618	88625	0//10	11360	30100	99/03
M	99656	10020	09184	82310	96615	25010	853//	00711	84708	88612	0//09	11140	30201	/////
R	99469	70169	09184	40125	98011	22515	32532	00808	83820	/////	0//12	11583	30606	/////

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


NAUTICAL MILES
0 100 200 300 400 500 1000 1500
Polar Stereographic projection
Scale 1:30,000,000 at Latitude 60°N.
12 h of 9 JULY 1977
HIGH
LOW
HIGH A
HIGH B
HIGH D
HIGH E
TROUGH
Whitehorse
Fairbanks
Kotzebue
Mys Smidta
Watson Lake
Fort Nelson
Prince George
Calgary
Edmonton
Barrow
Inuvik
Fort Simpson
Sachs Harbour
Coppermine
Cambridge Bay
Gould Bay
Resolute Bay
Eureka
Alert
Thule
Arctic Bay
Coral Harbour
Nottingham Island
Churchill
Chesterfield
Inlet
Winisk
Nakina
Moosonee
Fort Harrison
Fort Chimo
Resolution
Nitchequon
Caribou
Anticosti
Yarmouth
Sable Island
Bermuda
Cape Race
Stephenville
Gander
Frederikshab
Egedesminde
Godthab
Arsuk
Angmagssalik
Pluns Christian Sund
Tasiilaq
Cape Dyer
Kuparuk
Lyde
Pond Inlet
Barrow
Nord
Danmarkshavn
Daneborg
Barencburg
Hopen
Bjornoya
Kap Tobin
Jan Mayen
Tromso
Murmansk
Ostersund
Vaasa
Myken
Rebolyn
Nordovan
Ostrov Kotel'nyj
Ostrov Zohova
Cokurdah
Nižnie Kresty
Zyrjanka
Omjakon
Lokšak
Ust' Iudoma
Jakutsk
Verhojansk
Oljujsk
Tiksi
Olenek
Hatanga
Mys Celjuskin
Uedineniyo
Russkaja Gavan
Tazovskoe
Tarko-Sale
Mare-Sale
Muhtuja
Erbogačen
Vilujsk
Muka
Tabseda
Mokuly
Muž
Ostrov Dikson
Manchova
Midland
Chihuahua
El Paso
Grand Junction
Salt Lake City
Spokane
Rapid City
Billings
Bismarck
Regina
Island Falls
Winnipeg
Omaha
Kansas City
Minneapolis
Dodge City
San Antonio
Fort Worth
Lake Charles
Little Rock
Jackson
St Louis
Boothville
Chicago
Nashville
Montgomery
Columbus
Detroit
Pittsburgh
Toronto
Ottawa
Montreal
Washington
Norfolk
New York
Boston
Tampa
Jacksonville
Augusta
Charleston
Corvo
Lajes
Ponta Delgada
Funshal
Tenerife
Agadir
Casablanca
Gibraltar
Lisboa
Porto
Santander
La Coruña
Madrid
Barcelona
Mahón
Alicante
Oran
Béchar
Laghouat
Ouargla
Alger
Tunis
Malta
Misurata
Gabes
Bengasi
El Adem
Mersa Matruh
Heraklion
Rodos
Athinai
Larissa
Skopje
Sofia
Istanbul
Bucuresti
Constanta
Odesa
Simferopol'
Rostov-na-Donu
Taganrog
Kerč
Volgograd
Saratov
Penza
Moskva
Kalinin
Smolensk
Minsk
Kursk
Bogučar
Har'kov
Kiev
Warszawa
Berlin
Hannover
Hamburg
Kobenhavn
Oslo
Stockholm
Helsinki
Leningrad
Pskov
Riga
Tallinn
Vyborg
Petrozavodsk
Arhangel'sk
Ob'jačevo
Perm'
Kazan'
Kirov
Gor'kij
Sančursk
Butul'ma
Ufa
Cil'ma
Usinsk
Abadel
Turinsk
Kamyšlov
Bogučar
Rostov-na-Donu
Tuapse
Krasnodar
Simferopol'
Sevastopol'

18h of 9 JULY 1977

00h of 10 JULY 1977

06h of 10 JULY 1977

Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

Issued at midday SUNDAY 10 JULY 1977

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours a belt of high pressure has remained slow-moving from the Faeroes to the Azores. A low over eastern Europe moved away steadily eastwards, whilst a complex but shallow depression formed over Biscay and northwest Spain. During the next 24 hours the low over northwest Spain will move southeastwards, whilst pressure remains high from the Faeroes to the Azores.

Code FM 11.V **OBSERVATIONS at 00h.** 10 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	50312	65012	22414	55430	11109	85614		
Hurn	862	80309	65031	21916	864//	13113	88711		
Manston	797	80119	59021	20714	862//	13107	88704		
Gatwick	776	70305	58042	22115	764//	12213	87714		
Kew	775								
Heathrow	772	70311	62012	22715	754//	12209	82713	87617	
Honington	586	83610	58025	22613	862//	11207	88705		
Wattisham	590								
Gorleston	497	83515	60022	22514	855//	13205	88625		
Aberporth	502	00707	60020	23515	00900	11209			
	627								
Filton	628	60712	58051	23416	655//	13214	86628		
Rhoose	715	00506	60021	22516	00900	13210			
Hartland Point	703	00505	60051	22215	00900	14110			
Mount Batten	827	10809	58051	21017	10830	14005	81357		
St. Mawgan	817	30603	57051	21616	30930	14108	83360		
Scilly	804	80000	56258	22316	855//	16207	88625		
Culdrose	809	80202	56208	21517	854//	15108	85616	88622	
Guernsey	894	70610	40051	20115	6557/	14106	86625		
Elmdon	534	80408	58042	24315	863//	13110	88709		
Cardington	559	80511	70022	23614	864//	13108	88711		
Wittering	462	80312	70032	24014	863//	12107	81707	88708	
Watnall	354	80208	60502	25013	863//	12011	88707		
Shawbury	414	70505	56042	24415	754//	13108	87612		
Finningley	360	80108	75022	24814	864//	11005	88710		
Spurn Point	396	83614	66022	24714	864//	12209	88713		
Leeming	257	83510	58042	26313	863//	12206	83706	88712	
Tynemouth	262	83618	56505	26912	863//	12205	88708		
Carlisle	222	60802	68031	26913	654//	10109	82715	86619	
Valley	302	10304	65020	24216	10980	13207	81358		
Ringway	334	00605	65011	25013	00900	11207			
Squires Gate	318	00807	57100	25511	00900	11212			
Ronaldsway	204	10615	81011	25314	10941	11113	81360		
Mull of Galloway	131	00913	85010	26014	00900	14210			
Eskdalemuir	162	50107	62011	27311	56200	09004	82705	85710	
Prestwick	135	10607	60020	27412	15701	11215	81656		
Abbotsinch	140	80908	58051	28213	862//	12112	82705	88708	
Leuchars	171	22605	58101	28111	16301	10104	81706		
Dyce	091	73214	62031	28611	762//	10104	87705		
Lerwick	005	90208	03454	29410	9////	10104	89/00		
Wick	075	93211	03474	30010	9////	10105	89/00		
Sule Skerry	010	93602	04472	30611	9////	11102	89/00		
Cape Wrath	049	90912	01474	30010	9////	10206	89/00		
Stornoway	026	80413	56101	30011	862//	11106	85704	88706	
Benbecula	022	10707	89020	28313	00902	09304	81075		
Tiree	100	10211	75110	26814	15702	12205	81650		
Aldergrove	917	10000	56050	26314	00901	12211	81075		
Malin	980	02708	60110	27013	00900	12001			
Belmullet	976	80212	32214	26913	863//	13005	88706		
Birr	965	33403	62100	24816	25602	13108	82636		
Dublin	969	40306	65050	25015	45700	12206	84656		
Shannon	962	63505	60101	24817	50932	14212	85360	83075	
Roches Point	952	13505	65020	23616	15601	14108	81645		
Valentia	953	20000	70011	24314	25500	12210	82628		

OBSERVATIONS at 06h. 10 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
	746	80312	61022	22814	863//	11208	88709		
	862	80410	59031	22315	854//	12205	88613		
	797	8021[illegible]	56052	21614	862//	13207	86704	88706	
	776	80308	57042	22814	863//	13309	83706	88707	
	775	80511	60026	23614	864//	11308	88710		
	772	80312	60022	23314	864//	12307	88710		
	586	80111	64032	23414	863//	11206	81707	87708	88711
	590								
	497	80122	58022	23414	855//	12406	88620		
	502	00707	60020	24015	00900	12305			
	627								
	628	70410	60032	23715	754//	12205	83615	87622	
	715	70611	60051	23115	754//	11209	81714	87616	
	703	30818	62050	21915	38431	12000	82815		
	827	20906	60051	21716	28530	13304	81825		
	817	50802	56051	22015	58500	13206	82826	83640	
	804	80909	56032	22316	855//	15304	88623		
	809	80711	30051	21716	853//	14305	83707	85710	88625
	894	50613	58052	20614	35282	13304	81704	83618	
	534	70310	61016	24813	753//	11203	81708	87612	
	559	70511	67012	23914	753//	12302	81709	85714	86620
	462	70212	70032	24514	763//	11304	83708	87710	
	354	80209	65035	25513	863//	11303	88708		
	414	80505	57042	25213	854//	12307	85711	88615	
	360	83407	70022	25414	853//	12307	83707	88615	
	396	73610	68022	25114	754//	12301	82715	87625	
	257	83510	50515	26612	862//	11304	88705		
	262	83618	56105	27012	864//	12304	88712		
	222	10805	80011	27112	18400	10204	81815		
	302	00409	30040	24615	00900	12104			
	334	11902	61020	25612	15400	10207	81618		
	318	20606	60030	25913	25500	11305	82620		
	204	50510	72021	25713	55400	11105	81712	85616	
	131	10917	81010	26513	18500	09204	81820		
	162	53309	65031	27710	56400	08303	85710		
	135	10412	70020	27411	00901	10603	81080		
	140	10705	50051	28013	16200	11501	81705		
	171	02304	58114	28011	00900	10701			
	091	83313	65505	28311	872//	11702	88703		
	005	73409	68024	28710	762//	10801	83703	87706	
	075	83411	08414	29610	860//	10500	83700	88701	
	010	93605	06434	30411	9////	10302	89/00		
	049	90912	01454	29510	9////	09400	89/00		
	026	80410	06424	30011	860//	11304	88701		
	022	10610	40400	28712	16001	11209	81701		
	100	11203	83010	28215	00901	13309	81072		
	917	00513	65010	26714	00900	09301			
	980	02104	02424	27212	00900	12205			
	976	80311	02444	27013	862//	12302	88705		
	965	00306	62100	25114	00900	12303			
	969	70310	62101	25314	763//	12304	87707		
	962	40104	30284	24514	11480	13602	81818	84359	
	952	30107	65011	23815	35731	13303	83650		
	953	10406	70011	23916	15600	14501	81633		

OBSERVATIONS during NIGHT

Station	iii	RRT$_n$T$_n$E	T_gT_g	WEATHER 21h.--03h.	WEATHER 03h.—09h.
	746	00130	12	+	+
	862	00130	11	+	+
	797	97141	13	+	d.
	776	00130	13	+	+
	775	97140	14	1r.	+
	772	00140	14	+	+
	586	97130	13	1d.	+
	590				
	497				
	502	00140	09	+	+
	627				
	628	00140	14	+	+
	715	00140	11	+	+
	703	00150	13		
	827	00150	13	+	+
	817	00130	09	+	+
	804	02151	14	pr	+
	809	01140	13	1d.	+
	894	00130	13	+	+
	534	97130	13	d.r.d.	d.
	559	00130	13	+	+
	462	00130	13	+	+
	354	97130	13	d.	+
	414	00130	12	+	+
	360	00130	13	+	+
	396			+	+
	257	97120	12	d.	d.d.
	262	92121	11	1d.	d.d.
	222	00110	08	+	+
	302	00140	10	+	+
	334	00100	07	+	+
	318	00100	06	+	+
	204	00120	10	+	+
	131	00110			
	162	00080	06	+	+
	135	00100	08	+	+
	140	00110	08	+	+
	171	00090	06	1f	1f
	091	97110	09	+	1d.
	005	00090	09	ff	+
	075	97090	09	ff	ff1f
	010	00091	10		
	049	00091	09	FF	FF
	026	00110	11	ff	ff
	022	00100	07	jf	jf
	100	00110	07	+	+
	917	00110	07	+	+
	980	97111	09		
	976	97121	12		
	965	00130	10		
	969	00130	10		
	962	97130	12		
	952	97140	11		
	953	97110	08		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	10001	80107	98216	21910	2562/	00805	82644	88514	00010	11057	3//02	///04
L	99569	70201	10004	70000	97012	32213	755//	00002	87620	/////	0//11	11383	30000	99/03
M	99656	10022	10004	82512	95516	22610	853//	00711	85707	88615	0//10	11082	30201	/////
R	99468	70168	10004	70122	97021	22315	784//	00400	83816	86640	0//15	11596	30607	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	10061	83208	98022	21910	855//	00801	88627	/////	00110	11025	3//03	///04
L	99567	70201	10064	82204	97032	32013	853//	00301	83708	88620	0//09	11353	30201	99/03
M	99656	10024	10064	83012	97035	22610	883//	00310	84808	88612	0//09	11083	30302	/////
R	99467	70169	10064	80320	96205	22015	874//	00204	88710	/////	0//15	11597	30607	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bra

All times

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42235

Date of Issue MONDAY 11 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 10 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	70510	66012	23617	754//	12102	87615		
Hurn	862	70308	62032	23219	754//	14102	82710	87618	
Manston	797	80214	57055	23915	862//	13210	88704		
Gatwick	776	30609	62011	23420	31500	14104	83822		
Kew	775	20508	70021	23821	21500	13801	82825		
Heathrow	772	30311	70011	23721	38500	13001	83826		
Honington	586	13612	80011	24319	15501	12105	81624		
Wattisham	590								
Gorleston	497	80216	60022	24814	855//	12208	88625		
Aberporth	502	13607	58050	24417	11601	14302	81830		
Filton	628	80512	67032	24317	855//	12000	88625		
Rhoose	715	70711	61032	23918	754//	13301	87617		
Hartland Point	703	40618	62050	23417	48500	14302	83820	83630	
Mount Batten	827	80710	60051	23017	885//	13104	84825	88635	
St. Mawgan	817	70703	62032	22818	7843/	13202	84814	84620	
Scilly	804	81013	56022	23418	3552/	16104	83620	88458	
Culdrose	809	40913	58051	22718	48500	12104	82820	83630	
Guernsey	894	80612	19205	22014	870//	14005	85700	88701	
Elmdon	534	60409	66022	25717	65400	12207	86619		
Cardington	559	70510	70022	25317	754//	13106	81615	85620	87625
Wittering	462	70311	81022	25517	754//	13106	87618		
Watnall	354	73607	70022	26217	754//	12108	87615		
Shawbury	414	51005	62041	25219	58400	14301	81818	85622	
Finningley	360	70109	70022	26417	754//	12104	87617		
Spurn Point	396	83615	70022	26515	884//	11206	87810	88625	
Leeming	257	80111	56205	27814	863//	12108	85707	88709	
Tynemouth	262	83620	23105	28312	863//	12105	88708		
Carlisle	222	21107	62020	26920	25531	15802	82620		
Valley	302	10514	65040	25319	11500	12204	81820		
Ringway	334	10509	64020	25819	11602	12103	81830		
Squires Gate	318	70508	75021	26120	755//	14701	87620		
Ronaldsway	204	11111	70011	26517	11501	12001	81820		
Mull of Galloway	131	22406	82030	27118	00901	13101	82075		
Eskdalemuir	162	20314	70011	27318	11531	12801	81825		
Prestwick	135	40611	72030	27624	00902	11400	82075		
Abbotsinch	140	30710	70020	27425	15701	09807	81650	83080	
Leuchars	171	21011	70020	28815	16302	12202	81706		
Dyce	091	33412	82015	28517	16441	12803	81712	83080	
Lerwick	005	73108	80031	29014	754//	12103	83618	87630	
Wick	075	73512	75024	30114	753//	12302	84709	85615	
Sule Skerry	010	73605	81014	30913	754//	11102	83715	86625	
Cape Wrath	049	90908	01454	30511	9////	11205	89/00		
Stornoway	026	70412	58284	30213	760//	12603	81701	86705	
Benbecula	022	60608	75011	29418	20932	13400	82366	85075	
Tiree	100	73609	75031	28518	00906	14802	87280		
Aldergrove	917	10710	70020	26822	00901	12701	81080		
Malin	980	00607	57104	27914	00900	13003			
Belmullet	976	10114	74014	26816	16300	14702	81707		
Birr	965	40511	62050	25319	46400	14101	84718		
Dublin	969	70513	62012	26516	764//	11302	83714	87718	
Shannon	962	10509	75021	24622	11500	13101	81826		
Roches Point	952	10910	50051	24319	16400	14102	81710		
Valentia	953	10506	65050	23624	11600	17801	81830		

OBSERVATIONS at 18h. 10 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10409	70011	22621	11600	14706	81830		
Hurn	862	11604	59051	22719	18500	15604	81828		
Manston	797	30415	61031	23515	36300	13502	83706		
Gatwick	776	20711	72011	22822	22600	15702	82835		
Kew	775	40211	75011	23321	48500	14702	81825	84630	
Heathrow	772	10113	70011	23222	11600	15602	81835		
Honington	586	33612	65030	24517	35400	11400	83617		
Wattisham	590								
Gorleston	497	83512	58022	24715	855//	12603	88620		
Aberporth	502	70605	58051	24018	786//	15805	82830	87656	
Filton	628	60812	70012	23621	655/1	13603	82625	85635	
Rhoose	715	70811	67032	23120	785//	14606	81820	87632	
Hartland Point	703	70508	62051	23017	4851/	14711	82820	83645	87460
Mount Batten	827	80913	62058	22219	854//	15705	84714	88630	
St. Mawgan	817	81507	60052	22418	884//	14803	83814	88620	
Scilly	804	80910	56021	22817	855//	15707	88628		
Culdrose	809	80810	56051	22317	854//	14806	82710	88625	
Guernsey	894	70612	40102	21415	761//	14806	82702	86703	
Elmdon	534	20510	65021	24920	25600	14604	82632		
Cardington	559	50713	68031	24818	55600	14501	85630		
Wittering	462	80313	72032	25716	854//	13302	84613	88616	
Watnall	354	70312	62031	26016	754//	13203	87614		
Shawbury	414	10906	62041	24621	11501	13503	81826		
Finningley	360	70107	75012	26417	755//	12701	87620		
Spurn Point	396	80115	60022	26614	854//	11502	85715	88625	
Leeming	257	70212	58042	27514	754//	10603	83710	87613	
Tynemouth	262	83615	56052	28213	855//	11804	88620		
Carlisle	222	31108	82010	26421	15531	14501	81625		
Valley	302	10511	65040	24821	00901	13504	81080		
Ringway	334	10412	58020	25719	00901	13602	81080		
Squires Gate	318	31010	61011	25619	00901	15703	83080		
Ronaldsway	204	30000	68030	25619	00901	14606	83075		
Mull of Galloway	131	20505	82020	26120	00901	13806	82075		
Eskdalemuir	162	50308	82021	27018	00902	10601	85075		
Prestwick	135	60911	80021	26125	11782	11503	81850	85078	
Abbotsinch	140	40813	75030	26822	10931	11500	81364	84080	
Leuchars	171	60807	68021	28514	663//	11703	86707		
Dyce	091	13608	89020	27918	10941	09608	81362		
Lerwick	005	83410	80022	28413	853//	12703	83706	88625	
Wick	075	23610	83021	29414	15601	11502	81635		
Sule Skerry	010	83408	81031	30212	855//	10705	88625		
Cape Wrath	049	70912	56104	29910	762//	09606	87705		
Stornoway	026	40515	81031	29314	16404	12709	81710	84075	
Benbecula	022	70510	79022	28618	00902	13506	87075		
Tiree	100	63610	75031	27116	20984	14708	82362	85068	
Aldergrove	917	60609	75031	25724	00902	12608	86075		
Malin	980	30507	70021	27117	00902	11707	83075		
Belmullet	976	20310	74020	25719	00902	14608	82070		
Birr	965	10810	69021	24520	11500	13506	81828		
Dublin	969	10508	62101	25717	00902	12706	81070		
Shannon	962	10409	70020	23422	11600	14503	81830		
Roches Point	952	20909	50050	24317	26400	13501	82710		
Valentia	953	42605	62031	23619	42600	15201	84830		

OBSERVATIONS during DAY

Station	iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00210	039	+	+
Hurn	862	00210	034	+	+
Manston	797	97170	068	d.	+
Gatwick	776	00230	074	+	+
Kew	775	00230	081	+	+
Heathrow	772	00230	075	+	+
Honington	586	00210	105	+	+
Wattisham	590				
Gorleston	497		000		
Aberporth	502	00180	123	+	+
Filton	628	00220	031	+	+
Rhoose	715	00210	028	+	+
Hartland Point	703	00180	066		
Mount Batten	827	97190	047	pr.	+
St. Mawgan	817	00190	017	+	+
Scilly	804	00200	024	+	+
Culdrose	809	00190	038	+	+
Guernsey	894	97160	005	id.	+
Elmdon	534	00210	081	+	+
Cardington	559	00210	058	+	+
Wittering	462	00200	029	+	+
Watnall	354	00200	049	+	+
Shawbury	414	00220	096	+	+
Finningley	360	00190	007	+	+
Spurn Point	396			+	+
Leeming	257	97150	000	d.d.	+
Tynemouth	262	97131	000	d.d.	+
Carlisle	222	00230	140	+	+
Valley	302	00220	146	+	+
Ringway	334	00210	150	+	+
Squires Gate	318	00230	125	+	+
Ronaldsway	204	00200	111	+	+
Mull of Galloway	131	00210			
Eskdalemuir	162	00210	119	+	+
Prestwick	135	00270	140	+	+
Abbotsinch	140	00270	135	+	+
Leuchars	171	00160	130	+	+
Dyce	091	00190	106	+	+
Lerwick	005	00160	046	+	+
Wick	075	00160	079	+	+
Sule Skerry	010	00140			
Cape Wrath	049	00110	005	FF	+
Stornoway	026	00140	086	ff	+
Benbecula	022	00220	112	ff	+
Tiree	100	00200	131	+	+
Aldergrove	917	00250	154	+	+
Malin	980	9718	099		
Belmullet	976	9720	120		
Birr	965	0021	143		
Dublin	969	0018	081		
Shannon	962	9724	124		
Roches Point	952	0020	133		
Valentia	953	0024	117		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

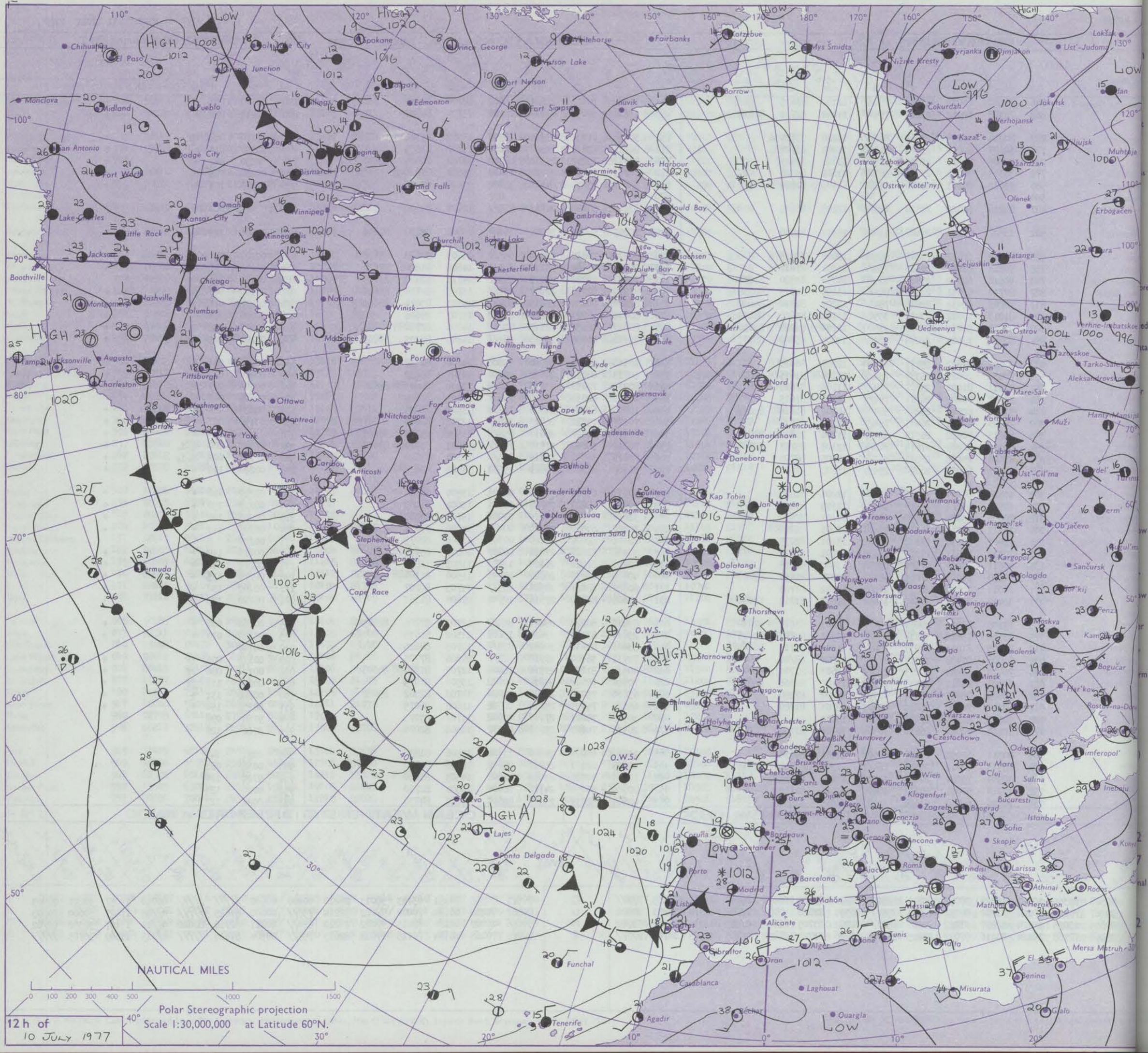
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	10121	73408	98022	22810	78500	00201	82828	86632	05109	11040	30503	/////
L	99567	70200	10124	71202	98022	32314	755//	00301	87620	/////	0//08	11374	30201	29804
M	99655	10025	10124	82809	97022	22909	852//	00202	83705	88615	0//09	11098	30302	99/02
R	99468	70168	10124	80116	97022	23015	3742/	00206	83715	88458	0//15	11599	30705	/////

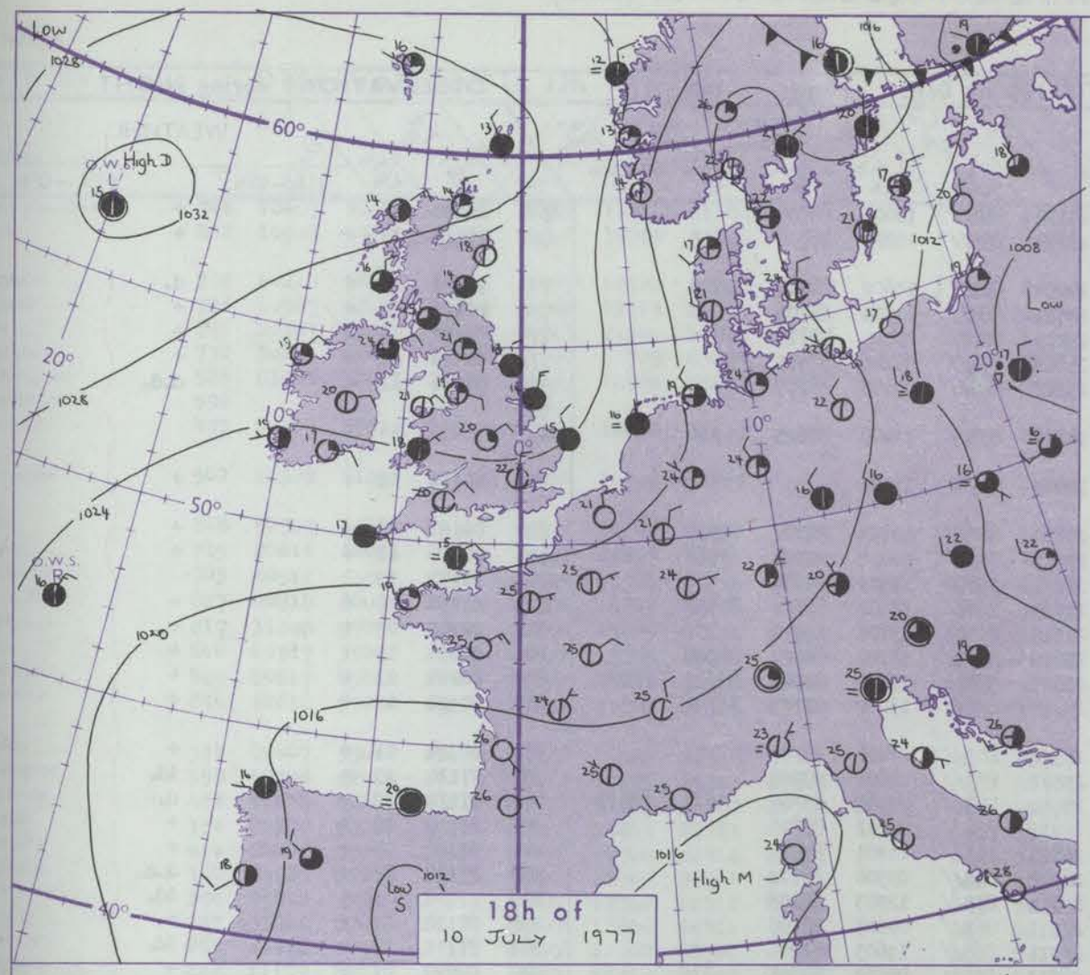
OCEAN WEATHER STATION REPORTS at 18h.

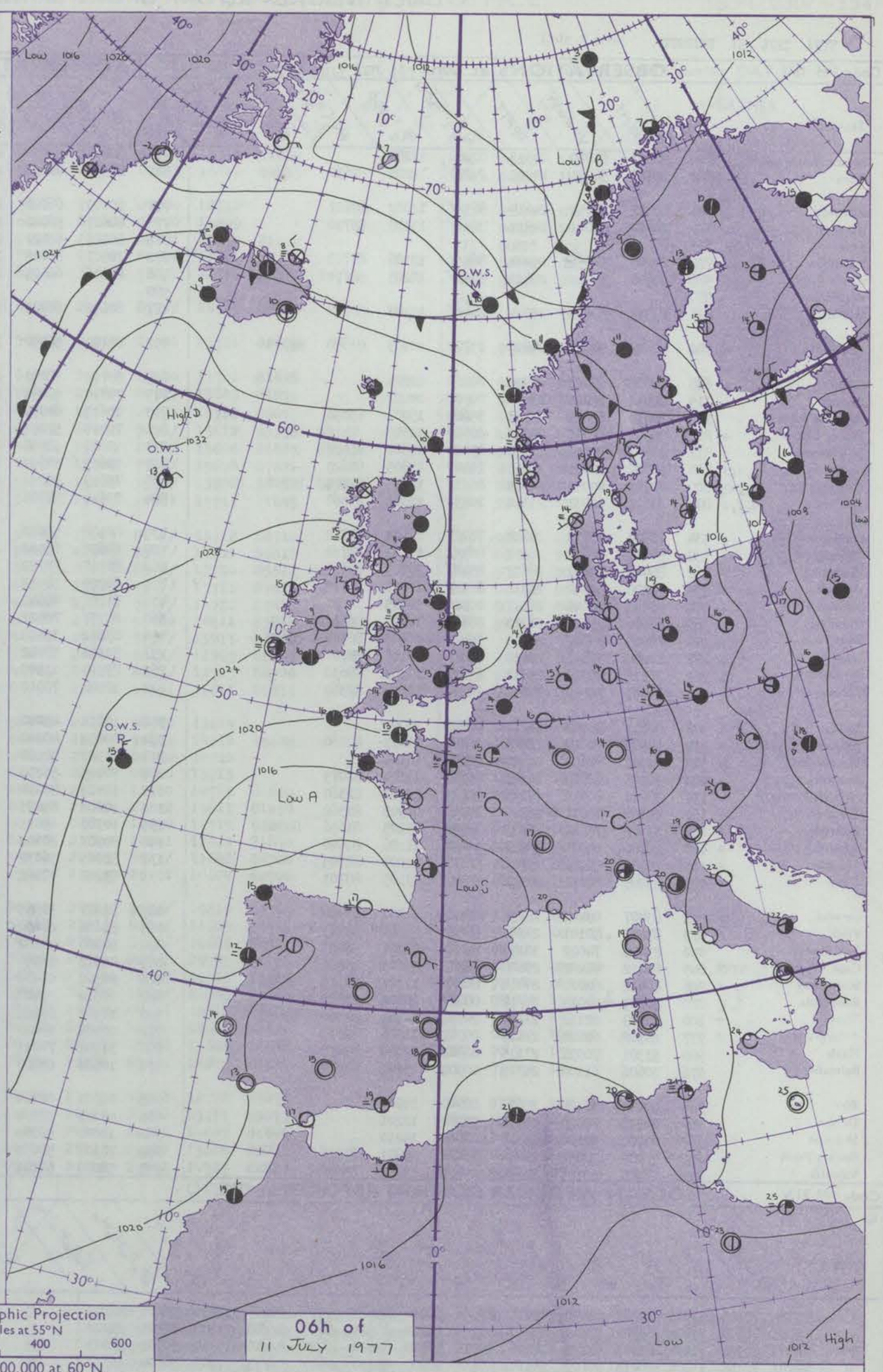
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	10181	03103	98011	24210	00900	00500	/////	/////	00010	11057	30201	02903
L	99567	70200	10184	70000	98022	32214	755//	00400	87625	/////	0//08	11427	30000	29803
M	99656	10027	10184	82415	97022	21210	854//	00811	82710	88620	0//10	11107	30302	99/02
R	99468	70168	10184	70115	97022	22615	755//	00504	87626	/////	0//15	11609	30705	/////

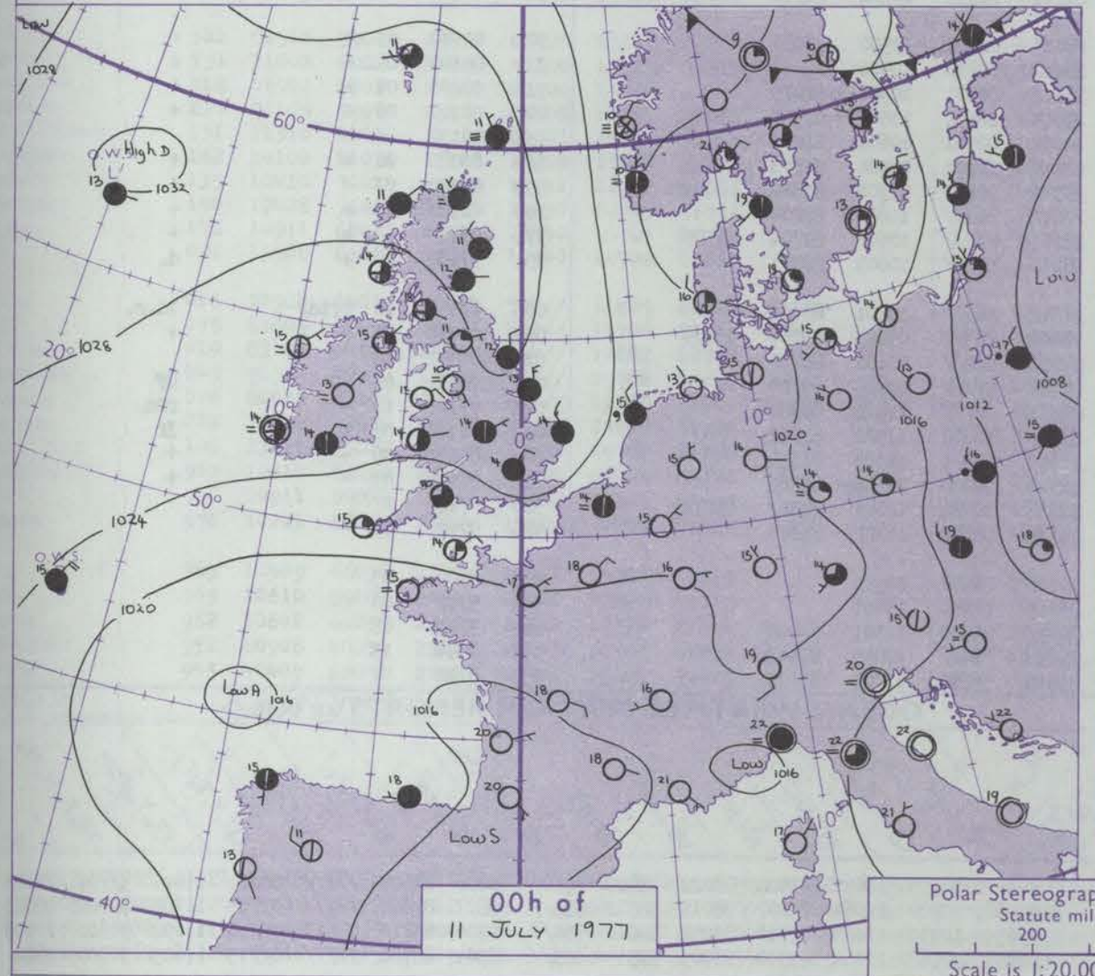
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday MONDAY 11 JULY 1977

During the past 24 hours pressure remained high to the northwest of Britain. Pressure remained low over Spain giving a northeasterly flow over the British Isles. During the next 24 hours the anticyclone will remain stationary, while the low over Spain is expected to drift slowly northward.

Code FM 11.V **OBSERVATIONS at 00h.** 11 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	00407	61020	24313	00900	11204			
Hurn	862	20409	56051	24015	24700	12208	82650		
Manston	797	80412	57051	24614	863//	12002	88707		
Gatwick	776	80307	56041	24815	864//	13108	88710		
Kew	775								
Heathrow	772	80209	57051	25414	864//	12106	88710		
Honington	586	83609	58021	25613	864//	10203	88710		
Wattisham	590								
Gorleston	497	83514	66022	25314	864//	11103	88714		
Aberporth	502	40802	58051	24614	15702	12103	81650	83075	
Filton	628	00608	65021	24914	00900	12206			
Rhoose	715	00712	62021	23816	00900	14002			
Hartland Point	703	30614	62051	23315	35600	15001	83630		
Mount Batten	827	00903	56051	22615	00900	14000			
St. Mawgan	817	10807	45051	22616	15500	14801	81620		
Scilly	804	20709	60011	22415	25500	15805	82623		
Culdrose	809	80707	40052	22115	4623/	14803	82704	83706	88359
Guernsey	894	30611	60031	21314	10932	12803	81360		
Elmdon	534	70504	58041	26414	764//	11003	87712		
Cardington	559	80712	62022	26313	864//	11103	88712		
Wittering	462	80408	75022	26613	854//	10103	88612		
Watnall	354	80406	60032	26812	864//	11003	88710		
Shawbury	414	00402	42040	26111	00900	10005			
Finningley	360	83606	65031	26913	864//	11002	88711		
Spurn Point	396	83615	66022	26713	854//	11603	86710	88625	
Leeming	257	80208	56042	28112	863//	10106	88707		
Tynemouth	262	80112	80022	28611	856//	10203	88630		
Carlisle	222	20805	75020	27311	20930	10104	82364		
Valley	302	00611	45040	25315	00900	13001			
Ringway	334	10505	50040	26813	00901	11003	81080		
Squires Gate	318	01503	57100	26810	00900	10105			
Ronaldsway	204	10105	62020	26312	00902	11104	81075		
Mull of Galloway	131	30910	80020	27216	20971	09207	82360		
Eskdalemuir	162	10108	75011	28212	10940	07303	81362		
Prestwick	135	51102	75012	27613	15732	09105	81656	84362	
Abbotsinch	140	20406	65011	28313	15631	11106	81640		
Leuchars	171	80902	59022	29012	862//	11004	88705		
Dyce	091	83208	62051	29211	862//	09105	88703		
Lerwick	005	83407	03444	28711	860//	11400	88700		
Wick	075	83207	50101	29709	862//	09001	88703		
Sule Skerry	010	83403	74022	30111	855//	09301	88625		
Cape Wrath	049	81412	56402	29609	862//	09603	88705		
Stornoway	026	80412	62021	29811	862//	11101	84705	83707	
Benbecula	022	30705	82011	28712	00902	10202	83075		
Tiree	100	50109	62112	27314	20932	14101	82362	84070	
Aldergrove	917	20302	62021	27115	00901	11006	82075		
Malin	980	51301	70031	27115	00902	11000	85075		
Belmullet	976	10606	61100	25715	00902	13102	81070		
Birr	965	00404	58100	25612	00900	11006			
Dublin	969	00303	70020	26214	00900	12201			
Shannon	962	00000	50100	25316	00900	14210			
Roches Point	952	70209	50051	24614	764//	13801	87716		
Valentia	953	50000	60101	24614	55600	13002	85630		

OBSERVATIONS at 06h. 11 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	80407	59051	24112	862//	10001	88704		
Hurn	862	80307	40051	23713	853//	12201	86706	88615	
Manston	797	80409	66022	24014	863//	11602	84708	88709	
Gatwick	776	80607	56042	24513	863//	11104	88709		
Kew	775	80805	62022	25213	864//	09302	88715		
Heathrow	772	70307	60012	25013	754//	09206	87615		
Honington	586	80106	66205	25212	863//	09103	88709		
Wattisham	590								
Gorleston	497	80110	66022	24713	855//	11400	88625		
Aberporth	502	02102	56050	23914	00900	12507			
Filton	628	80712	58051	24712	863//	10103	84707	88709	
Rhoose	715	70714	50051	23613	753//	10802	82708	87612	
Hartland Point	703	10615	64030	22515	15600	13603	81630		
Mount Batten	827	70915	57051	21615	1638/	13802	81709	86358	
St. Mawgan	817	10608	50050	21115	00901	13708	81070		
Scilly	804	70613	50031	20616	5857/	15709	84820	84360	
Culdrose	809	70819	56051	20615	55301	14709	84706	85612	87070
Guernsey	894	70616	57101	20313	6623/	13602	82703	85704	
Elmdon	534	80508	50042	25912	863//	10400	88707		
Cardington	559	80609	66502	25512	873//	12601	88708		
Wittering	462	80310	70022	25812	853//	09502	83709	85611	88613
Watnall	354	80206	58032	26212	864//	09202	88710		
Shawbury	414	71205	48041	25813	763//	11301	87709		
Finningley	360	80107	70022	26412	864//	09500	88712		
Spurn Point	396	83612	32505	25913	873//	12503	88708		
Leeming	257	83510	57042	27111	863//	09603	88708		
Tynemouth	262	83514	11505	27511	863//	11603	88707		
Carlisle	222	10708	70010	26711	10931	09502	81365		
Valley	302	10612	45040	24415	00902	13500	81080		
Ringway	334	00602	40040	26112	00900	10500			
Squires Gate	318	10903	50100	26111	00901	10301	81075		
Ronaldsway	204	30105	56050	25514	16331	13502	81707	83075	
Mull of Galloway	131	11011	86010	26014	00901	10604	81075		
Eskdalemuir	162	10206	65021	27610	16201	08504	81703		
Prestwick	135	10707	65021	27312	11541	07302	81820		
Abbotsinch	140	80907	20101	27612	862//	11603	88704		
Leuchars	171	82003	56032	28111	862//	10503	84704	88705	
Dyce	091	83210	40202	28210	860//	10603	88701		
Lerwick	005	83207	30205	27810	861//	10801	88702		
Wick	075	83606	60602	28609	863//	09805	83707	88709	
Sule Skerry	010	80000	48102	29210	864//	10602	88710		
Cape Wrath	049	00912	01454	28409	9////	09705	89/00		
Stornoway	026	90310	06474	28911	9////	11602	89/01		
Benbecula	022	10512	75400	28011	16102	11501	81702		
Tiree	100	10502	60101	27215	10981	14303	81359		
Aldergrove	917	10304	70020	26312	10930	09504	81365		
Malin	980	31102	70011	26214	10932	12601	81362	83072	
Belmullet	976	10604	68020	25515	00902	14302	81070		
Birr	965	01901	02464	25109	00900	08502			
Dublin	969	00102	22104	25213	00900	13001			
Shannon	962	10000	56100	24713	12500	12301	81820		
Roches Point	952	70108	50052	23616	764//	13803	87719		
Valentia	953	50000	60101	23514	55600	13705	85630		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00120	10 +		+
Hurn	862	00120	11 +		+
Manston	797	97130	12 +		do.
Gatwick	776	00120	13 +		+
Kew	775	00130	10 +		+
Heathrow	772	00130	12 +		+
Honington	586	97120	12 +		do.do.
Wattisham	590				
Gorleston	497				
Aberporth	502	00130	08 +		+
Filton	628	00120	11 +		+
Rhoose	715	00130	12 +		+
Hartland Point	703	00150	13		
Mount Batten	827	00150	10 +		+
St. Mawgan	817	00140	12 +		+
Scilly	804	00150	14 +		+
Culdrose	809	00150	13 +		+
Guernsey	894	00130	12 +		+
Elmdon	534	00120	11 +		+
Cardington	559	97120	13 +		id.
Wittering	462	97120	12 +		d.
Watnall	354	00110	10 +		+
Shawbury	414	00100	04 +		+
Finningley	360	97120	09 +		d.d.
Spurn Point	396		+		id.
Leeming	257	00110	11 +		+
Tynemouth	262	97111	11 +		id.
Carlisle	222	00090	07 +		+
Valley	302	00140	11 +		+
Ringway	334	00100	08 +		+
Squires Gate	318	00080	04 +		+
Ronaldsway	204	00100	08 +		+
Mull of Galloway	131	00130			
Eskdalemuir	162	00080	06 +		+
Prestwick	135	00100	07 +		+
Abbotsinch	140	00100	08 +		+
Leuchars	171	00110	10 +		+
Dyce	091	97100	09 +		d.
Lerwick	005	97091	10	ffid.	id.r.
Wick	075	00090	09 +		+
Sule Skerry	010	00081	10		
Cape Wrath	049	00081	08	FF	FF
Stornoway	026	97101	10 +		ffd.
Benbecula	022	00110	08 +		jf
Tiree	100	00110	06 +		+
Aldergrove	917	00100	03 +		+
Malin	980	9713	07		
Belmullet	976	9712	09		
Birr	965	9708	05		
Dublin	969	9712	06		
Shannon	962	9713	08		
Roches Point	952	0014	13		
Valentia	953	9712	07		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	11001	82703	98021	25012	855//	00204	88628	/////	00207	11091	3//01	///03
L	99568	70199	11004	80902	98021	32013	855//	00002	88625	/////	0//08	11382	30201	29002
M	99655	10029	11004	83013	97032	21010	2553/	00500	82620	87357	0//10	11129	30302	27603
R	99470	70168	11004	80218	97022	23115	856//	00400	88630	/////	0//13	11603	30804	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	11061	71504	98022	23410	75500	00608	87628	/////	00109	11049	3//01	///03
L	99568	70200	11064	70707	98012	30312	755//	00807	87624	/////	0//08	11388	30202	28003
M	99655	10030	11064	82716	95252	20010	854//	00706	85710	88615	0//10	11092	30302	27603
R	99469	70168	11064	83514	96505	22315	863//	00501	88706	/////	0//15	11605	30000	0804

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Brack

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42236

Date of Issue TUESDAY 12 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 11 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10407	70021	23018	00901	11710	81080		
Hurn	862	10508	59021	22321	00901	14714	81078		
Manston	797	60210	78015	23916	654//	12706	82710	86612	
Gatwick	776	10507	62021	23119	00901	12713	81075		
Kew	775	20307	62011	24317	24317	21500	11808	82822	
Heathrow	772	30211	64011	23918	31500	12709	83824		
Honington	586	83406	81025	24515	854//	12504	88612		
Wattisham	590								
Gorleston	497	80208	66022	24514	855//	12400	88625		
Aberporth	502	10308	61050	23118	10930	14707	81365		
Filton	628	50709	59052	23917	55500	11806	85622		
Rhoose	715	20816	61031	22818	10931	11810	81362		
Hartland Point	703	60512	60051	21617	00901	13505	86075		
Mount Batten	827	00818	60051	20719	00900	14806			
St. Mawgan	817	31008	57050	20222	11680	15805	81830	83357	
Scilly	804	80917	35052	20615	864//	15805	88710		
Culdrose	809	80817	45052	20615	852//	13802	83705	85710	88618
Guernsey	894	60618	57052	19515	16231	13807	81705	83362	
Elmdon	534	80407	59042	25614	864//	11503	88710		
Cardington	559	70506	62055	25215	754//	13605	86713	87618	
Wittering	462	80408	60205	25214	863//	13605	83707	84708	88709
Watnall	354	80309	68012	25715	864//	11605	88713		
Shawbury	414	81006	57042	25315	854//	12704	81712	88615	
Finningley	360	83505	61205	25615	864//	12707	88711		
Spurn Point	396	83612	66025	25315	874//	13712	86710	88625	
Leeming	257	83611	60042	26414	864//	12806	88710		
Tynemouth	262	83518	32505	27312	863//	12802	88706		
Carlisle	222	11109	82020	25720	15501	15712	81622		
Valley	302	00511	59040	23822	00900	13801			
Ringway	334	11002	60020	24820	11600	13709	81830		
Squires Gate	318	01008	68020	24922	00900	13708			
Ronaldsway	204	01109	57041	25517	00900	12602			
Mull of Galloway	131	21310	80030	25717	00901	10705	82075		
Eskdalemuir	162	10108	81011	26118	11500	13705	81822		
Prestwick	135	10410	70020	25124	10941	12711	81366		
Abbotsinch	140	10408	75021	26023	10930	10815	81362		
Leuchars	171	10911	68021	27515	16440	10705	81712		
Dyce	091	13508	86011	27018	10940	12708	81362		
Lerwick	005	72908	84015	26814	784//	11809	81710	87625	
Wick	075	83409	60055	28113	862//	11706	82703	84704	85705
Sule Skerry	010	83402	64102	28912	864//	10802	88710		
Cape Wrath	049	90905	02434	28510	9////	09708	89/00		
Stornoway	026	80512	60105	28512	862//	11708	83705	84708	88711
Benbecula	022	20512	72030	27517	16382	13804	81706		
Tiree	100	23611	70020	26817	10931	15701	81358		
Aldergrove	917	10810	82020	25322	10930	05805	81360		
Malin	980	10911	80010	25718	00902	11605	81075		
Belmullet	976	10211	68020	25223	11500	14801	81821		
Birr	965	10509	66034	23423	11501	15707	81823		
Dublin	969	10610	59100	24719	11400	13801	81818		
Shannon	962	30602	64050	23323	11602	16706	81840	83080	
Roches Point	952	60908	40051	23020	18402	15802	81818	86072	
Valentia	953	40409	62051	22923	42500	16804	84827		

OBSERVATIONS at 18h. 11 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10512	72020	20121	00901	13713	81080		
Hurn	862	11605	60030	19822	11601	16612	81835		
Manston	797	00711	78011	21915	00900	12712			
Gatwick	776	00910	60020	20921	00900	13809			
Kew	775	10306	70020	21520	00901	12710	81080		
Heathrow	772	00312	70010	21320	00900	13711			
Honington	586	70308	83032	22516	764//	12706	83711	87712	
Wattisham	590								
Gorleston	497	80110	66022	22814	855//	12707	88625		
Aberporth	502	20203	58050	20718	00901	15711	82075		
Filton	628	10411	65021	20919	15500	13711	81628		
Rhoose	715	10611	60011	20420	00901	13613	81075		
Hartland Point	703	60808	60052	19717	00902	15712	86075		
Mount Batten	827	70813	60051	18421	7098/	15612	83358	87362	
St. Mawgan	817	62706	56051	19119	12582	15606	81825	85359	
Scilly	804	71008	35056	19716	755//	15808	87621		
Culdrose	809	70813	50058	19016	3573/	13609	83650	86362	
Guernsey	894	30714	58051	17617	12682	14713	81845		
Elmdon	534	80507	58042	23115	864//	13712	88710		
Cardington	559	80706	75022	22915	854//	13711	88618		
Wittering	462	80511	82022	23215	854//	12710	85612	88614	
Watnall	354	70607	60052	23217	754//	13711	87618		
Shawbury	414	71007	58041	23017	754//	14712	87616		
Finningley	360	50607	80012	23319	58400	14611	83818	83622	
Spurn Point	396	70110	50022	23914	723//	13713	83708	87820	
Leeming	257	80112	50042	24814	862//	12709	88705		
Tynemouth	262	80114	48105	25812	863//	12709	88706		
Carlisle	222	11210	85020	23022	11601	16613	81835		
Valley	302	00515	50040	21421	00900	13614			
Ringway	334	51208	60011	22819	55500	14610	85628		
Squires Gate	318	01012	68020	22821	00900	14710			
Ronaldsway	204	01004	62020	22620	00900	13713			
Mull of Galloway	131	10000	80020	23221	11600	14715	81830		
Eskdalemuir	162	10406	82020	23920	12602	15611	81830		
Prestwick	135	10614	80020	22626	12640	12714	81840		
Abbotsinch	140	10711	81020	23625	12641	12611	81840		
Leuchars	171	70905	59021	26013	762//	11608	84704	87705	
Dyce	091	31205	65030	25915	26301	10604	82708		
Lerwick	005	83408	80202	25911	853//	09810	83709	88620	
Wick	075	83409	62052	27012	862//	11605	82704	84706	88709
Sule Skerry	010	83408	74022	27512	855//	10608	88625		
Cape Wrath	049	80905	70284	27511	862//	09705	88705		
Stornoway	026	30516	66051	27313	35400	10505	83614		
Benbecula	022	20211	65400	26317	16302	14705	81706		
Tiree	100	13511	70020	25017	00901	13707	81072		
Aldergrove	917	11105	84020	23024	10930	13609	81360		
Malin	980	10205	80020	24417	15640	13608	81648		
Belmullet	976	10213	70020	23318	15600	14608	81645		
Birr	965	30407	66021	21323	00902	12708	83070		
Dublin	969	30512	65030	22619	00902	09711	83073		
Shannon	962	30407	62051	20925	12601	14607	81840		
Roches Point	952	61003	40052	21118	00902	15605	86072		
Valentia	953	73510	65051	20722	22502	14707	82827	87070	

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00220	113	+	+
Hurn	862	00250	112	+	+
Manston	797	00170	066	+	+
Gatwick	776	00220	109	+	+
Kew	775	00220	102	+	+
Heathrow	772	00230	096	+	+
Honington	586	97190	016	d.	id.
Wattisham	590				
Gorleston	497		000		
Aberporth	502	00200	142	+	+
Filton	628	00220	077	+	+
Rhoose	715	00220	117	+	+
Hartland Point	703	00200	103		
Mount Batten	827	00220	103	+	+
St. Mawgan	817	00230	097	+	+
Scilly	804	94171	000	tr.	tr.
Culdrose	809	94170	000	+	pr.
Guernsey	894	97171	072	+	t.l.r.
Elmdon	534	00160	000	+	+
Cardington	559	00170	000	+	+
Wittering	462	97160	000	d.	+
Watnall	354	00170	001	+	+
Shawbury	414	00180	010	+	+
Finningley	360	97200	021	d.d.	+
Spurn Point	396			jp	+
Leeming	257	97160	001	+	d.
Tynemouth	262	97130	002	id.	ff
Carlisle	222	00230	159	+	+
Valley	302	00230	146	+	+
Ringway	334	00210	138	+	+
Squires Gate	318	00240	147	+	+
Ronaldsway	204	00200	123	+	+
Mull of Galloway	131	00210			
Eskdalemuir	162	00210	161	+	+
Prestwick	135	00270	161	+	+
Abbotsinch	140	00260	118	+	+
Leuchars	171	00160	077	+	+
Dyce	091	00200	111	+	+
Lerwick	005	97150	005	+	id.
Wick	075	97140	000	id.	+
Sule Skerry	010	00130			
Cape Wrath	049	00110	000	FF	FFff
Stornoway	026	97140	063	d.	+
Benbecula	022	00190	139	jf	jf
Tiree	100	00200	155	+	+
Aldergrove	917	00250	160	+	+
Malin	980	0019	155		
Belmullet	976	9723	154		
Birr	965	9724	140		
Dublin	969	0020	146		
Shannon	962	0026	136		
Roches Point	952	0022	112		
Valentia	953	0024	051		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	11121	61508	98012	22011	25530	00812	82629	84359	00110	11050	30302	22803
L	99568	70200	11124	80610	98022	30512	855//	00703	88625	/////	0//09	11407	30202	27904
M	99656	10032	11124	83018	98025	19209	854//	00501	88612	/////	0//09	11088	30302	99/03
R	99468	70167	11124	13616	96015	23117	16400	00204	81713	/////	0/A5	11600	30000	02804

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	11181	81409	97616	19011	8042/	00712	88514	/////	00210	11055	30504	/////
L	99568	70202	11184	80910	98032	29512	855//	00803	88620	/////	0//08	11407	30302	28204
M	99655	10036	11184	83220	97208	19708	854//	00302	83710	88612	0//06	11104	30504	99/03
R	99467	70168	11184	73514	97021	23216	756//	00301	87630	/////	0/A4	11620	30603	/////

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE

NAUTICAL MILES

0 100 200 300 400 500 1000 1500

Polar Stereographic projection
Scale 1:30,000,000 at Latitude 60°N.

12 h of
11 JULY 1977

18h of 11 JULY 1977

00h of 12 JULY 1977

06h of 12 JULY 1977

Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday TUESDAY 12 JULY 1977

A complex, relatively low pressure area has persisted over Biscay but has filled a little. Anticyclones have been slow-moving near the Azores and south of Iceland. During the next 24 hours the low pressure area south of the British Isles is expected to drift northwards a little and the Atlantic high to remain slow-moving. The east to northeast airflow over the British Isles is thus expected to persist.

Code FM 11.V **OBSERVATIONS at 00h.** 12 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	30408	62011	20813	00901	11706	83075		
Hurn	862	50307	64131	20215	00902	13801	85070		
Manston	797	70208	72031	21713	763//	11804	87708		
Gatwick	776	80609	56101	21414	863//	13804	88706		
Kew	775								
Heathrow	772	70208	65021	21815	754//	12702	87615		
Honington	586	80103	70025	22313	863//	12000	88706		
Wattisham	590								
Gorleston	497	83204	66025	22414	855//	12400	88620		
Aberporth	502	01209	40050	21114	00900	11400			
Filton	628	20608	58050	21613	00901	11802	82075		
Rhoose	715	50712	62031	20814	10931	11802	81360	85075	
Hartland Point	703	30520	60051	19316	00902	13001	83075		
Mount Batten	827	70815	58179	18618	7098/	14301	87359		
St. Mawgan	817	72404	56179	19017	796//	14302	84940	85856	
Scilly	804	81018	56959	18715	854//	15807	88618		
Culdrose	809	80813	50959	18915	896//	15006	88940		
Guernsey	894	81208	58179	18516	4968/	15003	84945	87358	
Elmdon	534	80505	61042	22814	864//	12803	88711		
Cardington	559	80706	62502	22813	863//	13801	86709	88712	
Wittering	462	80307	56515	23313	862//	12002	84703	88706	
Watnall	354	80404	25512	23413	872//	12000	83703	88705	
Shawbury	414	70802	56042	22515	754//	13804	82615	84618	87622
Finningley	360	80306	40511	23713	862//	13002	84703	88710	
Spurn Point	396	80212	58505	23813	873//	13302	88708		
Leeming	257	83507	35515	24812	861//	12000	85702	88703	
Tynemouth	262	83612	14535	25412	862//	12602	88704		
Carlisle	222	70712	65031	24113	762//	12106	82704	86706	
Valley	302	00610	50040	21116	00900	13803			
Ringway	334	70507	60021	23216	754//	13002	87614		
Squires Gate	318	00605	58100	23313	00900	12102			
Ronaldsway	204	00307	62020	22814	00900	12701			
Mull of Galloway	131	01015	84010	22817	00900	14501			
Eskdalemuir	162	30110	57010	25111	36200	10304	83704		
Prestwick	135	10414	75020	23814	10941	12208	81360		
Abbotsinch	140	70808	45051	25513	762//	12114	83704	87706	
Leuchars	171	80707	35502	26111	860//	10802	86700	88701	
Dyce	091	83504	14585	26011	870//	11803	85700	88701	
Lerwick	005	83107	45515	25311	871//	11805	84702	88706	
Wick	075	83606	59205	26610	863//	09602	84706	88710	
Sule Skerry	010	80000	74022	26712	854//	11706	85715	88625	
Cape Wrath	049	80905	75022	26910	864//	08602	88710		
Stornoway	026	80413	80021	26912	854//	10802	84616	88625	
Benbecula	022	10511	80021	25711	16330	10701	81707		
Tiree	100	10211	70110	24212	00901	11803	81072		
Aldergrove	917	30202	65030	23115	36330	11201	83706		
Malin	980	10000	80030	23814	10930	12705	81360		
Belmullet	976	10204	75020	22814	15600	13603	81640		
Birr	965	10208	66011	21514	00902	11802	81070		
Dublin	969	00406	70010	21815	00900	13807			
Shannon	962	10000	70010	21416	00902	11303	81075		
Roches Point	952	63506	50102	20914	00902	13802	86072		
Valentia	953	30000	50101	20914	00902	13704	83070		

OBSERVATIONS at 06h. 12 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	60612	62011	20014	36332	11510	83708	86072	
862	70411	38959	18814	6568/	13809	85640	85656	87359
797	80406	81022	20514	863//	12504	88707		
776	70507	58041	20414	764//	12500	87711		
775	70305	62022	21114	754//	11506	85712	87616	
772	70106	65022	20914	754//	11500	85710	87614	
586	70205	57515	20713	771//	12702	81702	86703	87708
590								
497	83602	66025	21114	855//	13400	88620		
502	70605	56051	20114	10932	12802	81362	87075	
628	80810	57051	20314	853//	12510	85709	88613	
715	70816	61031	19014	26482	11513	82711	85359	87070
703	70710	60058	18715	35671	12504	83630	84360	
827	70907	56029	18315	6543/	14305	85715	86656	87360
817	81107	50219	18015	853//	14301	85706	88620	
804	80907	32639	17515	874//	15106	88710		
809	80713	40609	17815	861//	15203	82702	84705	88708
894	80707	19109	17514	860//	14302	88701		
534	80507	56585	21713	872//	12503	85703	88705	
559	70905	57515	21314	763//	14606	85708	86712	
462	80310	36515	21513	861//	13604	85702	86703	88708
354	80511	20515	22312	870//	12000	83700	88701	
414	81006	38515	21813	873//	12502	82706	84708	88710
360	80107	62515	22713	862//	12301	85703	88707	
396	80312	40515	22413	863//	12801	88708		
257	83613	30515	23512	861//	12605	88702		
262	80216	32505	24711	863//	11601	88706		
222	70711	68022	23513	763/2	11801	82706	86708	
302	60806	56041	20815	26402	12500	82712	86075	
334	70508	65022	22214	754/1	11601	81710	87615	
318	41006	62011	22613	15401	11500	81615	84075	
204	61006	56051	22215	663//	14601	83708	86712	
131	41613	65031	22515	36201	12703	83703		
162	70208	30205	24310	761//	09703	87702		
135	30611	50010	23211	36200	11804	81703	83704	
140	70908	50051	24212	763//	10706	82708	87709	
171	80803	40515	25111	861//	11505	88702		
091	83407	59606	25211	872//	09501	82703	85704	88705
005	72805	50505	24811	752//	11201	81703	84706	87616
075	83206	60205	25411	862//	11503	84704	85706	88709
010	83202	58505	25711	874//	11605	88712		
049	50905	62012	26011	56200	10702	85705		
026	70311	56515	26111	762//	11500	83703	85705	87708
022	70310	83031	25112	754//	10604	83710	87618	
100	10313	62050	23813	00901	12502	81075		
917	11006	50050	22115	16330	13704	81708		
980	10507	62100	23014	10930	13504	81360		
976	10308	70010	22315	16300	14500	81709		
965	30301	58100	21112	00902	11500	83070		
969	30611	40100	20915	10932	14802	81360	83070	
962	13203	62100	20313	15701	11703	81650		
952	53507	40102	19914	00902	12704	85070		
953	40000	57101	19512	15632	12703	81640	84070	

OBSERVATIONS during NIGHT

iii	RRT_nT_hE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00120	11	+	+
862	16131	12	1t1	t1TIr.Rt.1
797	00120	10	+	+
776	00130	11	+	+
775	00140	13	+	+
772	00140	13	+	+
586	97161	12	id.d.	d.d.
590				
497				
502	00120	08	+	+
628	00130	10	+	+
715	91131	12	+	r.
703	00140	13		
827	92150	13	t1t1.r.pr.	pr.
817	06151	14	t1t1.r.	r
804	12152	14	t1r	rr
809	19141	14	t1r.	irr.r.ir.
894	08141	13	t1r.t1rt1R	t1d.ifF1f
534	97121	12	d.	d.d.-d.r.
559	91120	13	id.d.d.	d.d.dd
462	95121	11	d.d.	d.d.
354	92121	12	d.d.	d.d.
414	97130	12	d.	d.d.
360	97130	12	d.d.	d.d.id.
396			d.d.	d.d.
257	97111	11	d.d.	d.d.
262	94111	11	ffdd	d.d.
222	00120	10	+	+
302	00130	10	+	+
334	00130	12	+	+
318	00100	07	+	+
204	00130	10	+	+
131	00130			
162	97090	09	+	d.id.
135	00110	10	+	+
140	00120	08	+	+
171	97101	11	d.d.	d.d.
091	97100	11	d.d.jfd.r.	d.r.d.r.ir.
005	92101	10	d.d.	id.d.d.
075	97100	09	id.d.d.	d.d.id.
010	92091	10		
049	97091	09	+	id.FF
026	97111	11	+	id.d.d.
022	00100	08	+	+
100	00110	08	+	+
917	00140	10	+	+
980	9713	07		
976	9713	11		
965	9711	08		
969	9714	09		
962	9712	09		
952	9713	08		
953	9711	07		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	12001	81512	96636	17011	8042/	00713	88515	/////	00212	11079	3//05	/////
L	99568	70203	12004	80810	98022	29112	855//	00803	88620	/////	0//09	11395	30302	28204
M	99655	10037	12004	83113	98025	20108	854//	00001	88616	/////	0//05	11102	30402	32805
R	99468	70168	12004	83410	97022	23715	856//	00001	88630	/////	0//14	11618	30703	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	12061	81510	96636	14712	8042/	00609	88514	/////	00312	11070	3//05	/////
L	99568	70204	12064	81108	98202	28712	854//	00706	85618	88622	0//10	11353	30201	99/03
M	99655	10041	12064	83311	98022	21007	854//	00309	88619	/////	0//04	11116	30302	33804
R	99468	70168	12064	83315	97022	23815	855//	00303	88620	/////	0//14	11600	30301	36603

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O, Bra

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42237

Date of Issue WEDNESDAY 13 JULY 1977

OBSERVATIONS at 12h. 12 JULY 1977

Code FM 11.V

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	70206	75032	19819	6548/	12205	86619	86359	
Hurn	862	83506	58179	20017	6557/	14011	86625	88358	
Manston	797	80211	70022	20316	864//	12801	88710		
Gatwick	776	60509	58041	19220	10982	14806	81358	86075	
Kew	775	60606	62022	20318	15502	12705	81620	86075	
Heathrow	772	40410	68011	20119	15502	12705	81620	84075	
Honington	586	80508	81205	21016	854//	12603	83713	88616	
Wattisham	590								
Gorleston	497	80108	60022	21514	855//	13201	88620		
Aberporth	502	70407	62052	20118	30932	14802	83360	87075	
Filton	628	60509	70032	20818	59502	12802	83822	81925	83635
Rhoose	715	70612	66606	19415	25428	13506	81612	86460	87270
Hartland Point	703	80512	60052	19416	5567/	14304	85630	88360	
Mount Batten	827	80908	58032	19116	854//	14103	85710	86712	88628
St. Mawgan	817	71213	56052	18717	763//	14103	81708	87709	
Scilly	804	81113	15056	18416	860//	16602	88701		
Culdrose	809	81013	30056	18616	852//	14000	83705	84710	86620
Guernsey	894	70702	28285	18617	761//	16103	83702	87704	
Elmdon	534	80408	66026	21715	853//	12703	86709	88614	
Cardington	559	80806	64515	21615	854//	14500	84613	88616	
Wittering	462	80410	75205	21814	863//	13603	81706	85708	88710
Watnall	354	80413	45055	22114	862//	13804	86705	88712	
Shawbury	414	81107	59045	22115	853//	13500	81708	85710	88612
Finningley	360	80508	62515	22915	863//	13000	86707	88710	
Spurn Point	396	80214	62025	23014	864//	12801	88715		
Leeming	257	80211	50205	24213	863//	11601	88706		
Tynemouth	262	83613	61025	25011	855//	09101	88620		
Carlisle	222	30914	80011	23417	18441	12801	81619	83078	
Valley	302	60713	59042	20421	15502	13701	81625	86075	
Ringway	334	70713	62022	21917	755//	12804	87620		
Squires Gate	318	41014	68011	22120	15501	13805	81622	84075	
Ronaldsway	204	70911	60022	22517	764//	12002	85712	86715	
Mull of Galloway	131	71210	80031	22917	22501	13101	82825	87075	
Eskdalemuir	162	80507	61505	24413	854//	11801	86713	88620	
Prestwick	135	60412	70031	22422	11732	10707	81850	83366	85078
Abbotsinch	140	70810	50052	24416	764//	11000	87714		
Leuchars	171	80808	62015	25313	863//	10103	82706	86707	88712
Dyce	091	83506	80026	24913	863//	10802	82709	88710	
Lerwick	005	70406	84015	25512	754//	10305	83710	87618	
Wick	075	73607	85025	25414	753//	11801	81708	84712	87618
Sule Skerry	010	83202	74025	26113	855//	11500	88625		
Cape Wrath	049	90903	03476	26111	9////	11601	89///		
Stornoway	026	30714	81015	26014	35330	12601	81708	83618	
Benbecula	022	20411	88011	25017	25330	13602	81707		
Tiree	100	40112	66051	23716	15530	13802	81626	83362	
Aldergrove	917	40806	70011	22122	16431	15803	81715	83075	
Malin	980	40607	66101	23215	15680	14701	81640	84362	
Belmullet	976	60317	64101	22817	663//	14301	84708	84716	
Birr	965	50709	61051	20322	12502	15705	81825	85072	
Dublin	969	60611	56101	21919	624/2	13104	83711	86816	
Shannon	962	60611	58051	20221	32602	14503	83830	84075	
Roches Point	952	70910	35052	20118	764//	13005	87714		
Valentia	953	60207	59051	19223	00902	15703	86070		

OBSERVATIONS at 18h. 12 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	80409	69152	17819	25687	13615	82630	84359	88272
Hurn	862	81406	58059	18116	2567/	14710	82645	86358	88462
Manston	797	60410	80022	19216	46331	13504	81707	84708	85075
Gatwick	776	71011	60012	18519	35738	14504	83650	83360	87272
Kew	775	70408	62032	18820	65608	13607	86635	87272	
Heathrow	772	80310	70031	18620	28658	14808	81832	84359	87275
Honington	586	80111	75502	19715	863//	12508	84707	88711	
Wattisham	590								
Gorleston	497	80214	66022	19814	855//	12715	88625		
Aberporth	502	60609	58052	18818	48632	14609	82830	83645	85075
Filton	628	70508	65038	18918	755//	13505	85620	87625	
Rhoose	715	80502	66036	18916	854//	14105	88618		
Hartland Point	703	80707	60058	18517	853//	14708	85708	88630	
Mount Batten	827	70908	50052	17917	56488	14611	84710	87280	
St. Mawgan	817	81005	30206	18216	862//	14609	83705	88707	
Scilly	804	70905	50105	18816	753//	16805	85709	87617	
Culdrose	809	80811	30052	17915	851//	14508	83702	85704	88614
Guernsey	894	50606	58051	17317	19332	15711	81706	81930	85075
Elmdon	534	80309	22512	20414	872//	13708	88703		
Cardington	559	70510	70025	20215	754/1	14505	83615	87625	
Wittering	462	80513	75025	20914	863//	12607	83708	88709	
Watnall	354	80509	30505	21313	863//	12610	88706		
Shawbury	414	80807	50042	20515	854//	13808	83710	88614	
Finningley	360	80307	65025	21115	854//	11711	88614		
Spurn Point	396	83607	60022	21914	854//	12707	85715	88625	
Leeming	257	83611	65035	22913	854//	09505	82713	88617	
Tynemouth	262	83614	69022	23412	855//	09608	88625		
Carlisle	222	70912	83031	21816	15682	11507	81630	85360	
Valley	302	72410	58042	19919	15532	13702	81624	87075	
Ringway	334	80410	57052	21215	864//	12607	88712		
Squires Gate	318	71112	61021	21217	00902	13705	87072		
Ronaldsway	204	60904	61031	21318	16402	13707	81710	86075	
Mull of Galloway	131	41405	66021	21618	22502	16506	82825	83075	
Eskdalemuir	162	60609	75035	22415	45732	10607	84650		
Prestwick	135	30513	65021	21221	11631	13801	81840		
Abbotsinch	140	20609	65051	22817	11731	09603	81850		
Leuchars	171	81103	70032	23913	863//	11606	85709	88712	
Dyce	091	73506	82022	23514	763//	10704	81709	87711	
Lerwick	005	13008	81011	24713	18402	09604	81815		
Wick	075	80108	75022	24413	854//	11802	86712	88620	
Sule Skerry	010	83405	81022	25212	855//	10803	88625		
Cape Wrath	049	80503	70024	25111	864//	10602	88715		
Stornoway	026	60214	80031	25014	663//	12201	82707	86712	
Benbecula	022	13517	87020	23815	16309	13803	81706		
Tiree	100	13513	86021	22416	10981	14706	81359		
Aldergrove	917	30507	75011	20921	10931	14705	81360	83075	
Malin	980	40305	70021	22514	18682	13504	81830		
Belmullet	976	70219	66102	21915	46332	13706	83707	84070	
Birr	965	60507	70022	19822	12502	14000	81828	86070	
Dublin	969	60611	58102	20918	00902	13703	86070		
Shannon	962	40408	62051	18925	12602	15704	81832	83075	
Roches Point	952	71007	40052	20016	1853/	13201	81825	87361	
Valentia	953	63603	56052	19419	00902	16701	86070		

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	97200	023	jp	r.
Hurn	862	01201	010	t1.r.R	+
Manston	797	00170	033	+	+
Gatwick	776	00220	051	+	+
Kew	775	00210	059	+	+
Heathrow	772	00220	051	+	+
Honington	586	97170	000	d.d.	1d.
Wattisham	590				
Gorleston	497		000		
Aberporth	502	00190	053	+	+
Filton	628	97190	010	pr.	pr.pr
Rhoose	715	04171	000	ir.rr.rrr.	r.
Hartland Point	703	97170	029		
Mount Batten	827	00180	002	+	+
St. Mawgan	817	97191	012	r.	d.d.fd.d.f
Scilly	804	97161	000	ff	+
Culdrose	809	97160	002	ir.	+
Guernsey	894	00190	045	f1f	f1f
Elmdon	534	97161	000	d.r.ir.	d.d.
Cardington	559	97180	003	d.d.	+
Wittering	462	91161	000	d.d.	d.
Watnall	354	97140	000	1d.	1d.
Shawbury	414	97170	000	1d.	d.d.
Finningley	360	97150	000	d.d.	+
Spurn Point	396		+		+
Leeming	257	97140	000	d.d.	d.
Tynemouth	262	97121	000	d.d.	+
Carlisle	222	00190	116	+	+
Valley	302	00230	108	+	+
Ringway	334	00180	001	+	+
Squires Gate	318	00210	090	+	+
Ronaldsway	204	00180	057	+	+
Mull of Galloway	131	00190			
Eskdalemuir	162	97170	051	1d.	+
Prestwick	135	00240	145	+	+
Abbotsinch	140	00190	074	+	+
Leuchars	171	97140	000	1d.	+
Dyce	091	00160	001	+	+
Lerwick	005	97130	029	+	1d.
Wick	075	97150	012	+	1d.
Sule Skerry	010	97130			
Cape Wrath	049	97130	005	FF	FF1f
Stornoway	026	00150	072	+	+
Benbecula	022	00200	121	+	+
Tiree	100	00170	153	+	+
Aldergrove	917	00240	151	+	+
Malin	980	0017	127		
Belmullet	976	9717	082		
Birr	965	9723	137		
Dublin	969	0019	122		
Shannon	962	9725	111		
Roches Point	952	0020	047		
Valentia	953	0024	095		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

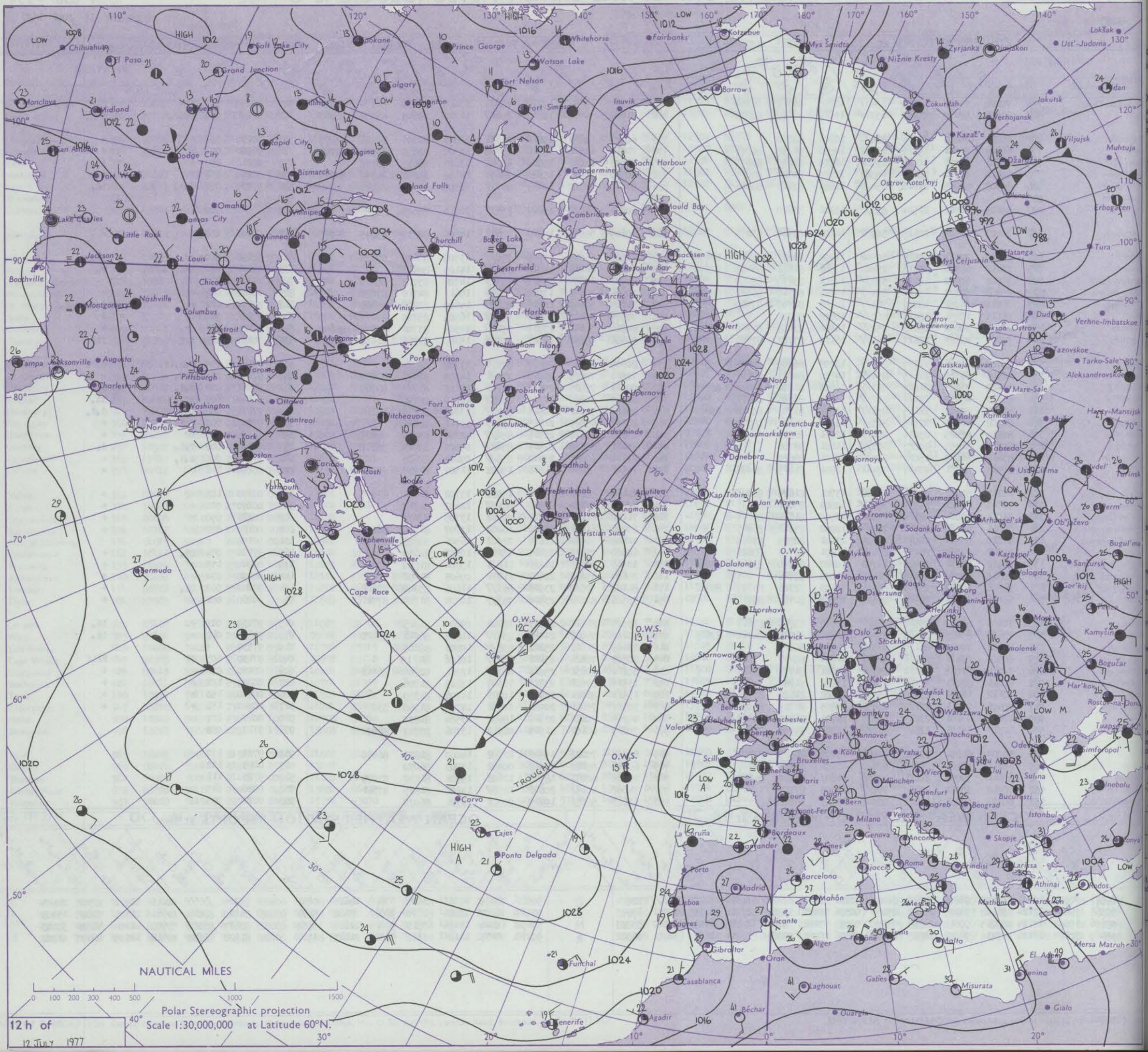
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	12121	81508	96636	14612	8042/	00201	88515	/////	00312	11070	3////	22904
L	99568	70205	12124	81108	97205	29712	854//	00306	84710	88618	0//10	11355	30201	15603
M	99656	10042	12124	73215	98012	21708	78500	00303	82820	87625	0//05	11088	30302	33803
R	99469	70170	12124	83412	98022	24815	885//	00006	82820	88630	0//14	11615	30301	36802

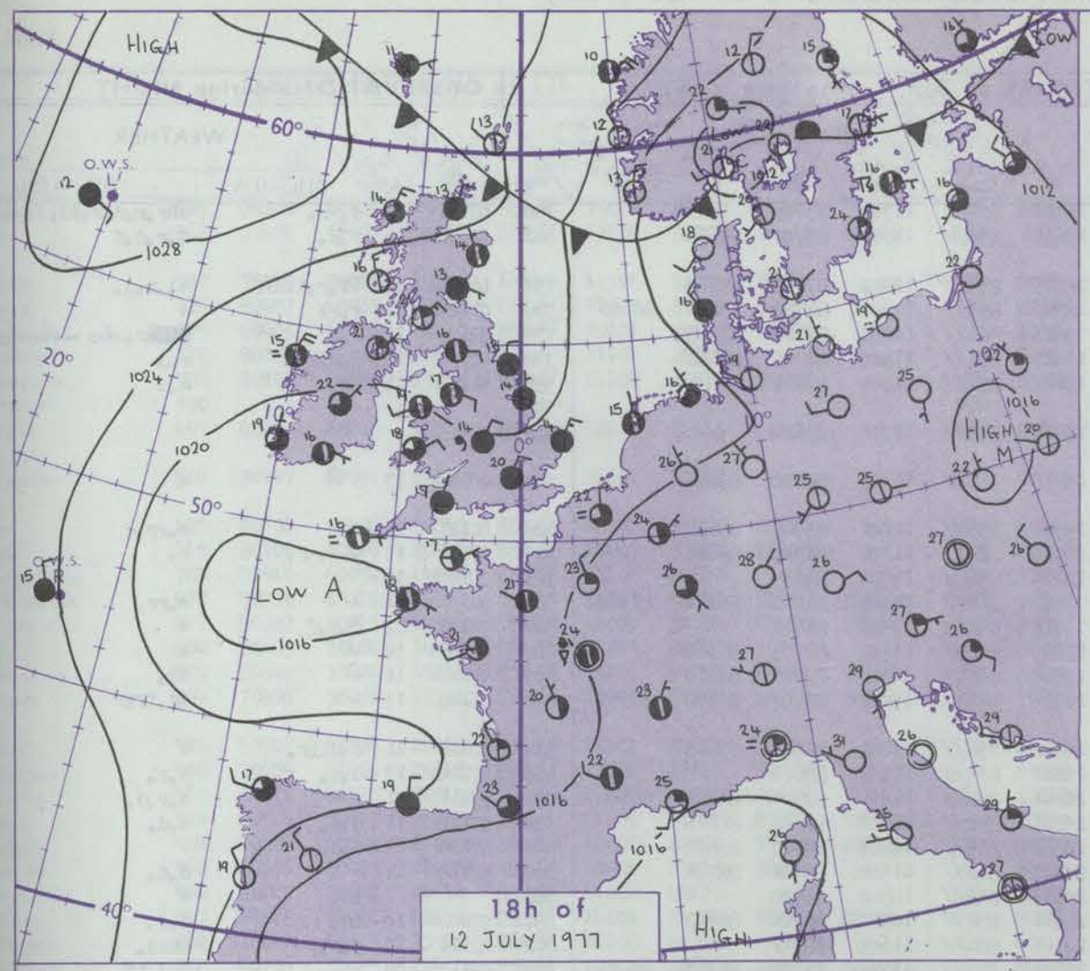
OCEAN WEATHER STATION REPORTS at 18h.

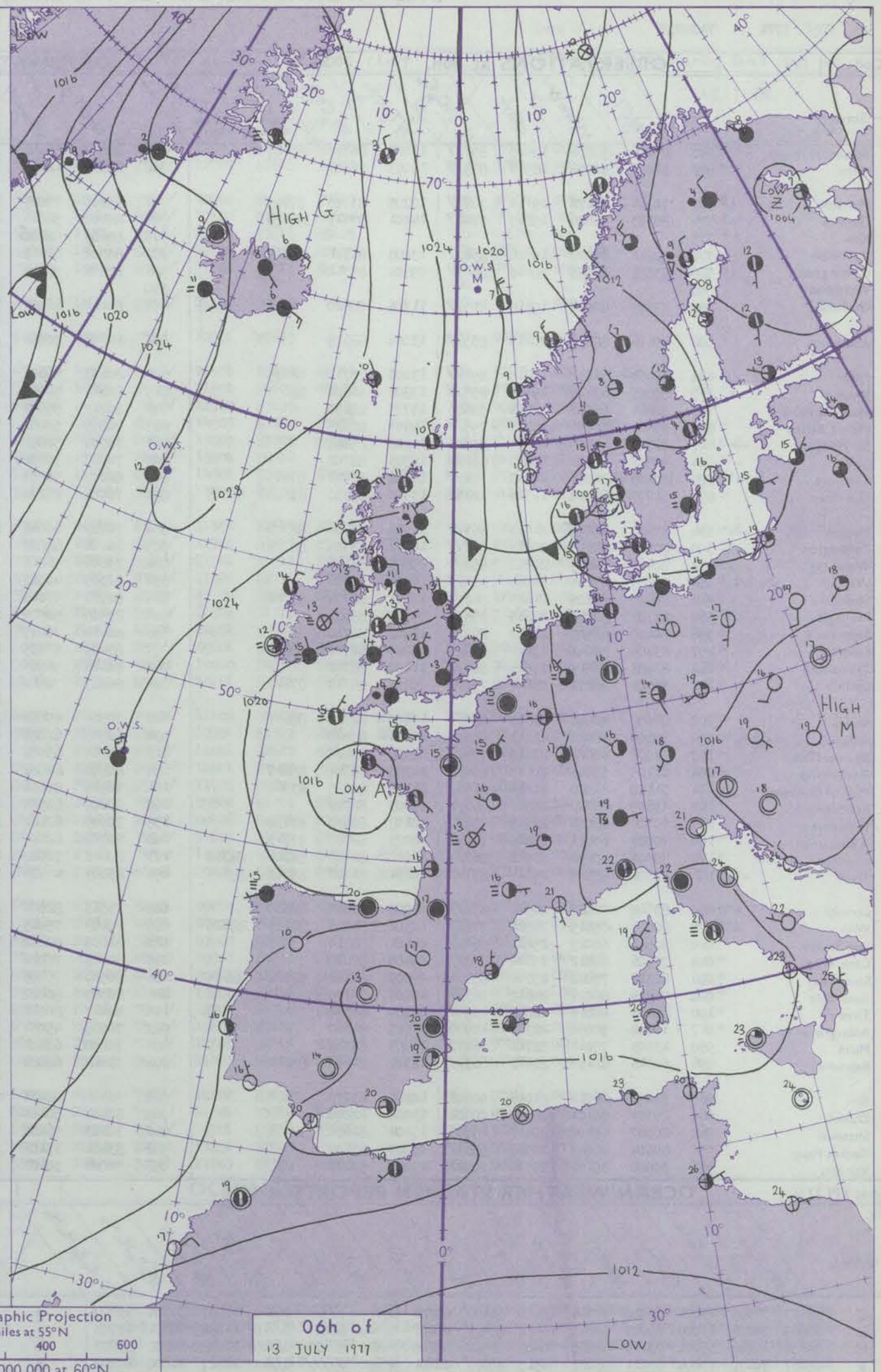
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70335	12181	83607	97616	14611	8042/	00400	88514	/////	00111	11072	30302	22904
L	99569	70207	12184	81110	98032	28512	854//	00805	84710	88618	0//11	11375	30202	15703
M	99654	10044	12184	63513	98015	22008	35559	00002	83625	83360	0//03	11104	30403	33703
R	99470	70173	12184	83312	98012	24415	885//	00704	81820	88630	0//14	11605	30000	01802

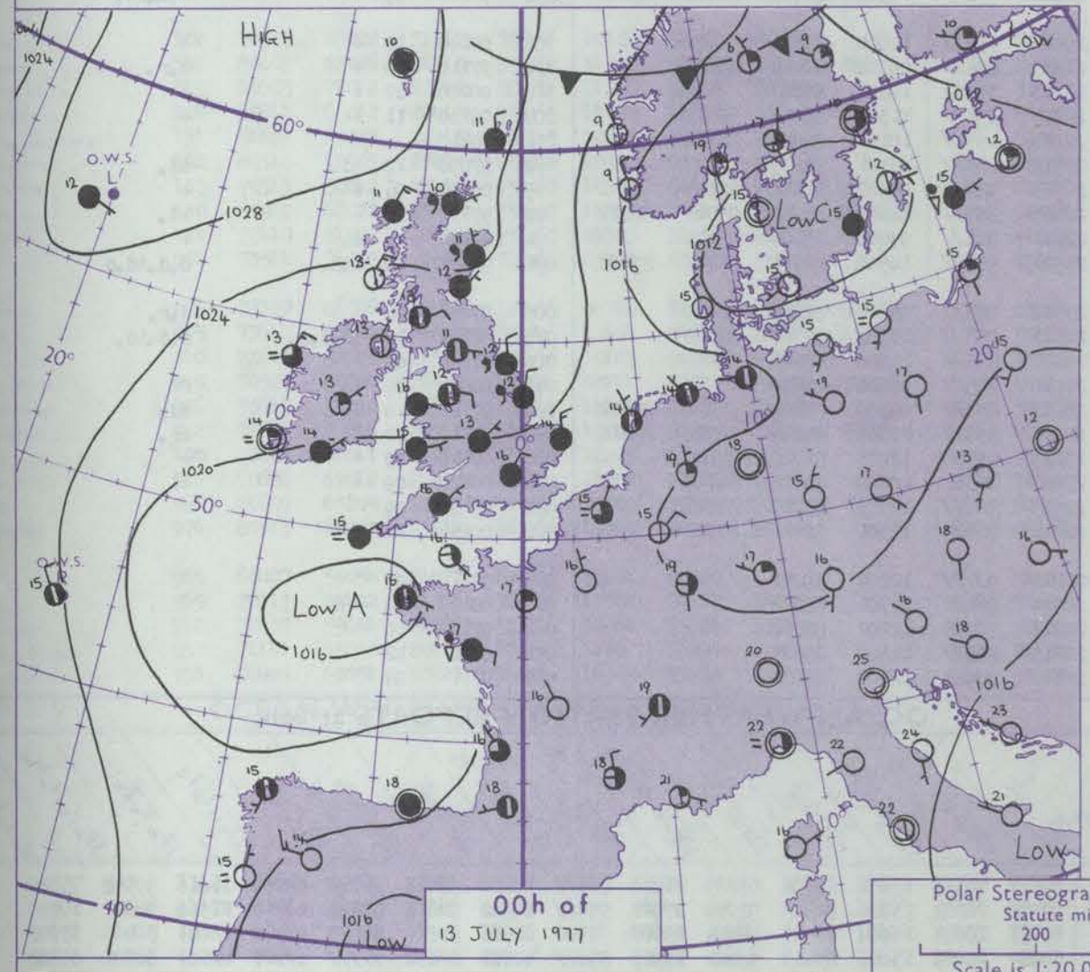
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday WEDNESDAY 13 JULY 1977

During the past 24 hours pressure remained high to the northwest of Scotland and a thundery low persisted over Northern France maintaining an east to northeast airstream over the British Isles. During the next 24 hours the low over North France is expected to fill slowly while pressure builds a little to the northwest of Scotland and strengthens the northeasterly airstream over all parts of the British Isles.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V

OBSERVATIONS at 00h. 13 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	80406	58056	19015	853//	13002	86707	88614	
Hurn	862	81802	56052	18916	855//	15003	88627		
Manston	797	70311	65172	19114	762//	12205	83703	87709	
Gatwick	776	80303	56626	19215	7742/	14201	87713	88459	
Kew	775								
Heathrow	772	80211	65022	19516	854//	13003	81711	88615	
Honington	586	83505	70025	20113	864//	09804	88711		
Wattisham	590								
Gorleston	497	83615	60022	19814	855//	11706	88620		
Aberporth	502	80606	58052	20115	855//	13004	88629		
Filton	628	80409	62032	19815	854//	13003	84711	88635	
Rhoose	715	80607	62219	19515	855//	13802	81620	88650	
Hartland Point	703	50814	66052	18816	55600	13703	85630		
Mount Batten	827	70906	50052	18115	755//	14803	87625		
St. Mawgan	817	50706	45055	18615	55500	14602	85628		
Scilly	804	80507	15102	19015	861//	15803	88702		
Culdrose	809	70305	30052	18115	754//	14802	82712	87615	
Guernsey	894	51407	62024	17716	12632	13803	81830	83360	85075
Elmdon	534	80406	60215	21413	863//	11003	82706	88708	
Cardington	559	80706	62205	20912	862//	12002	83705	88709	
Wittering	462	80107	72025	21312	854//	09803	88616		
Watnall	354	80305	65205	21912	854//	10801	88616		
Shawbury	414	80603	23205	21613	862//	12103	82704	88710	
Finningley	360	83302	80012	22213	855//	09005	88621		
Spurn Point	396	80109	60505	21912	864//	11802	88710		
Leeming	257	83408	58042	23011	854//	09000	82710	88615	
Tynemouth	262	83408	30515	23511	864//	11400	88712		
Carlisle	222	70904	80032	23111	754//	09206	84713	87617	
Valley	302	81002	40042	21216	854//	13008	82710	88617	
Ringway	334	80609	58022	22113	855//	09301	88620		
Squires Gate	318	71008	60022	22412	755//	09306	87624		
Ronaldsway	204	61105	59042	21615	654//	14203	83712	85617	
Mull of Galloway	131	31120	81020	21813	2153/	11101	82825	83360	
Eskdalemuir	162	83605	60202	23510	863//	09003	88707		
Prestwick	135	70708	62031	22913	756//	10108	82630	87638	
Abbotsinch	140	70907	65021	23414	763//	12003	82709	87713	
Leuchars	171	80503	65202	23912	862//	11000	81703	84706	88710
Dyce	091	83506	45515	24111	871//	10101	81702	85703	88705
Lerwick	005	83610	70025	24911	854//	09000	86617	88630	
Wick	075	80606	35515	24910	872//	10302	84703	86705	88709
Sule Skerry	010	80513	66025	25411	864//	09101	88710		
Cape Wrath	049	70506	80012	25311	755//	09400	87620		
Stornoway	026	80313	75022	25711	854//	09003	82710	84712	88625
Benbecula	022	70209	86021	24812	763//	10103	87709		
Tiree	100	10116	84010	22813	10941	12303	81360		
Aldergrove	917	10202	50050	22313	10930	12305	81360		
Malin	980	43303	75011	22714	3647/	13003	83714		
Belmullet	976	60216	62102	22613	663//	12302	81708	85714	
Birr	965	30406	66011	21013	00902	12203	83070		
Dublin	969	20303	50101	21314	00902	13002	82070		
Shannon	962	20307	65100	20417	15702	13104	81650		
Roches Point	952	80504	40052	20514	5563/	13003	85634		
Valentia	953	30000	30101	20514	00902	13001	83070		

OBSERVATIONS at 06h. 13 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
	746	80508	56616	18912	872//	11301	88703		
	862	80205	12586	18614	853//	14303	85708	88620	
	797	80305	75029	18713	853//	12500	83708	88612	
	776	80407	58046	18813	853//	12801	84709	85624	88650
	775	80605	62206	19613	864//	10400	87710	88715	
	772	80308	65212	19413	853//	11400	86708	88612	
	586	83206	58205	19112	854//	11805	87618		
	590								
	497	80110	66022	18914	855//	12702	88620		
	502	80708	70052	19814	855//	11303	84620	88628	
	628	80608	50606	19512	853//	11001	85708	88650	
	715	80611	59026	19113	884//	11301	81815	88624	
	703	80713	58052	18215	856//	13501	88635		
	827	70809	50052	17516	3143/	14202	81710	83840	87360
	817	70703	50051	17615	6547/	13501	86618		
	804	70307	30102	18015	4623/	15505	84705	86360	
	809	80607	35052	17515	863//	14302	83706	88710	
	894	70905	25284	16915	4803/	15801	81701	83650	86359
	534	70203	60042	20612	754//	09701	81712	87618	
	559	80404	68022	20012	855//	11501	88620		
	462	73606	56212	20111	752//	11804	82704	85705	86620
	354	80305	40502	20811	852//	11602	86703	88615	
	414	80702	57045	20812	855//	10303	84622	88625	
	360	83505	50515	20812	861//	11502	84702	88704	
	396	80410	70025	20613	855//	10302	88620		
	257	83409	57205	21611	852//	10703	86704	88618	
	262	80116	56505	22111	864//	11605	88712		
	222	80903	70512	22311	852//	11502	81704	84713	88618
	302	70508	45042	20415	7557/	12000	87626		
	334	80505	62022	21013	854//	09502	81710	88618	
	318	70705	65022	21213	7553/	10801	87627		
	204	80806	62032	21214	854//	11302	86713	88617	
	131	70915	82031	22012	4551/	10102	84625	86360	
	162	80209	60505	22710	863//	08501	88709		
	135	70909	67021	22513	784//	09502	81810	87625	
	140	80706	60205	22913	853//	11301	81708	85713	88617
	171	80612	70022	22411	863//	09710	85707	88714	
	091	83207	45505	23511	872//	10500	81703	84706	87708
	005	73513	82021	23710	784//	08607	82815	86640	
	075	70108	75015	24611	753//	10303	82707	87622	
	010	81005	82032	25414	855//	11500	88625		
	049	80503	70022	24910	855//	09400	88620		
	026	80516	75205	25212	853//	09500	81709	85711	88622
	022	80307	80022	24511	853//	10303	84709	85712	88616
	100	40412	80011	23113	45300	12003	81708	84620	
	917	70905	45051	22013	36331	10400	83708	84359	
	980	70000	62101	22513	764//	12303	83711	87716	
	976	70212	68022	22514	764//	12301	82711	87717	
	965	90406	02434	21113	9////	12204	89/01		
	969	80107	50101	20714	861//	14301	88702		
	962	30203	56100	20713	20962	12202	82360		
	952	83401	35102	20115	855//	14500	88625		
	953	50000	30101	20112	00902	12204	85070		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
	746	03121	12	d.-r.	rRr.r.d.d.id.
	862	02131	14	r.d.	d.r.d.d
	797	16121	12	tl.r.tlRTL	tl.r.d.
	776	01120	12	r.rl	+
	775	92120	12	r.	[illegible]r.do-doro
	772	97120	12	r.R1	r.l
	586	91110	11	id.	d.d
	590				
	497				
	502	00130	13	+	+
	628	01121	11	r.	r.rr.
	715	97131	13	t.l.-r.	r.
	703	00140	14		
	827	94151	11	+	r.rr.
	817	97141	12	d.d.f	+
	804	00150	14	+	+
	809	97140	11	+	id.
	894	05142	13	+	id.ffiR
	534	97110	11	d.d.ir.	+
	559	97110	12	d.d.	d.r.
	462	97111	11	+	d.r.d.
	354	97110	11	d.d.	d.d.
	414	97120	11	d.d.	+
	360	97110	11	+	d.d.
	396			id.	+
	257	97100	10	id.	d.d.
	262	02111	10	d.d.	DDid.
	222	97110	09	+	d.d.id.
	302	00140	10	+	+
	334	97110	10	+	d.r.
	318	00100	07	+	+
	204	00130	11	+	+
	131	00110			
	162	97090	10	id.	id.
	135	00100	06	+	+
	140	97130	11	+	id.
	171	97110	11	d.	+
	091	94101	10	d.d.	d.d.id.d
	005	97081	06	+	d.r.
	075	97101	10	id.d.d.	d.d.id.
	010	97090	09		
	049	00091	09	+	ff
	026	97101	10	d.	id.
	022	97110	10	+	ir.
	100	00110	09	+	+
	917	00120	09	+	+
	980	9713	09		
	976	0013	12		
	965	9711	07		
	969	0012	09		
	962	9712	10		
	952	0014	12		
	953	9711	08		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwTT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	13001	82910	97516	18410	864//	00226	88714	/////	05010	11087	3//04	/////
L	99569	70208	13004	81007	98012	29412	854//	00107	82710	88625	0/10	11384	30201	16703
M	99656	10046	13004	73114	98022	20608	78500	00809	84820	87623	0//05	11078	30302	33703
R	99467	70170	13004	83211	98022	24515	856//	00001	88630	/////	0/14	11627	30000	05802

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwTT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	13061	82706	98025	21010	864//	00210	88716	/////	05109	11060	3//02	///04
L	99570	70208	13064	81808	98032	27912	854//	00502	84616	88622	0//10	11360	30201	17803
M	99653	10048	13064	73519	98028	18807	78500	00606	83820	87625	0//04	11093	30403	33703
R	99468	70169	13064	83413	98022	23315	856//	00606	88630	/////	0//13	11628	30601	05802

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O, Brac

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42238

Date of Issue THURSDAY 14 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 13 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	80309	64026	19713	854//	10002	85710	88618	
Hurn	862	80407	56056	19415	853//	13104	82708	86610	88620
Manston	797	70210	80025	19216	65439	12205	82710	86612	
Gatwick	776	80407	65032	19515	854//	11000	87618	88650	
Kew	775	80405	65026	20215	854//	10101	84715	88620	
Heathrow	772	80304	68026	20115	854//	11101	88616		
Honington	586	80308	80025	19715	854//	11103	85614	88622	
Wattisham	590								
Gorleston	497	80214	60205	19814	854//	12103	88615		
Aberporth	502	30407	62051	20317	25531	11601	82625		
Filton	628	80606	59206	20215	854//	10002	86712	88620	
Rhoose	715	80709	60016	20014	854//	10006	83614	88640	
Hartland Point	703	80510	62052	19816	855//	13107	88620		
Mount Batten	827	80809	65216	19015	6837/	14107	83709	86618	88460
St. Mawgan	817	80302	50216	18816	7527/	14004	82703	83710	86617
Scilly	804	80405	30101	19517	864//	16205	88710		
Culdrose	809	80909	30626	18815	872//	14208	83703	85705	88708
Guernsey	894	70808	50056	17317	762//	16601	82703	84705	86708
Elmdon	534	80507	63026	20715	854//	11002	83613	88626	
Cardington	559	80609	67256	20315	884//	13001	82818	88630	
Wittering	462	80311	62585	20914	854//	11105	85711	88616	
Watnall	354	80508	60015	21315	884//	11004	81814	85617	88640
Shawbury	414	80709	60042	21015	884//	11002	82816	83620	88650
Finningley	360	80606	80025	21016	884//	10801	83815	88620	
Spurn Point	396	80110	70022	21614	855//	11002	88620		
Leeming	257	80211	62045	22614	853//	11204	81708	83712	88622
Tynemouth	262	80114	56505	23512	864//	12205	88712		
Carlisle	222	80706	82025	22615	854//	11502	81616	86624	88635
Valley	302	70512	68022	21417	785//	10101	85820	86626	
Ringway	334	80608	68026	21315	884//	11000	83816	86622	88640
Squires Gate	318	80305	78012	22016	884//	11701	83818	88628	
Ronaldsway	204	80810	65012	22415	854//	11000	86616	88620	
Mull of Galloway	131	81608	82032	22815	5551/	10801	85625	88460	
Eskdalemuir	162	80310	70505	23213	853//	10702	85707	88616	
Prestwick	135	70513	80012	23216	754//	10802	81616	86622	87628
Abbotsinch	140	80910	62022	23715	854//	11203	81715	83618	88626
Leuchars	171	70410	81022	24214	753//	08103	81708	84620	87640
Dyce	091	73511	86025	23815	784//	09400	83815	85624	
Lerwick	005	73320	86036	22912	784//	07703	81710	83817	87630
Wick	075	73611	86022	25014	6843/	10601	84815	83625	87360
Sule Skerry	010	73610	82022	26513	785//	10103	84820	87625	
Cape Wrath	049	70505	80024	26412	48502	09211	82820	84625	87075
Stornoway	026	70615	82022	26114	6853/	11208	82820	86628	
Benbecula	022	70616	87016	24717	58401	12102	81815	85618	85075
Tiree	100	70108	80011	24015	754//	12203	85710	87615	
Aldergrove	917	70606	67012	22816	754//	11003	84616	87620	
Malin	980	70607	65105	22915	763//	13500	83709	87713	
Belmullet	976	80313	60505	23514	863//	13003	84709	88712	
Birr	965	60407	59054	21421	625//	14604	86820		
Dublin	969	70313	59102	21916	764//	12302	84717	85625	
Shannon	962	70407	59051	21021	5253/	14804	85826	83362	
Roches Point	952	71111	45052	20719	625//	14301	86824		
Valentia	953	51403	60051	20823	38601	16304	83830	85070	

OBSERVATIONS at 18h. 13 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
	746	80405	68022	18816	855//	11603	86625	88650	
	862	70308	61012	18317	754//	12707	82618	86640	
	797	70413	62012	18515	753//	12802	84708	87620	
	776	80505	66022	18716	855//	12603	87622	88650	
	775	80408	68022	19216	854//	11601	83618	88625	
	772	80310	68022	19116	885//	12601	81820	88625	
	586	83509	75502	19714	854//	10301	83711	88615	
	590								
	497	83620	60022	19714	855//	11400	88620		
	502	70407	62051	20016	756//	12801	87635		
	628	80606	65012	19316	855//	11801	83625	88635	
	715	80707	67022	19216	855//	11801	86626	88640	
	703	70608	62052	19015	756//	12703	87635		
	827	80809	60025	18615	854//	14503	83710	88615	
	817	80209	56202	18615	852//	13803	83705	88620	
	804	80404	56026	19516	864//	15804	88710		
	809	80605	19516	18715	851//	14801	83702	84704	88615
	894	70614	58052	17015	763//	13505	87709		
	534	80407	65022	20715	854//	11301	82615	88620	
	559	80609	70028	20515	884//	12304	81815	85620	88625
	462	80312	75506	20813	854//	11501	81712	85616	88620
	354	80409	57502	21213	854//	11500	82711	86714	88640
	414	80705	56042	20715	855//	13500	85623	88650	
	360	80308	80216	21314	854//	11801	81710	88614	
	396	50212	70012	21414	46471	11801	84710		
	257	80411	80022	22314	884//	09601	82817	88627	
	262	60114	80025	23113	42631	10400	84830	86075	
	222	80606	81025	22515	854//	10101	83618	88628	
	302	70512	64031	21417	25431	11103	82615	83360	85075
	334	80408	59608	21314	854//	12701	81712	84616	88622
	318	80807	65012	21715	855//	12001	82622	88630	
	204	80707	75022	22215	855//	12801	83622	88629	
	131	83305	80022	22615	855//	11703	88625		
	162	70404	80025	22913	754/2	09802	81714	87622	
	135	41207	81011	22418	28641	09806	81830	83078	
	140	70505	80022	22518	785//	11607	81825	87638	
	171	71005	82022	23414	785/2	10705	81825	84636	86642
	091	73414	86026	23114	68401	07804	83818	85635	85078
	005	53521	65258	23009	58301	05004	81707	83814	
	075	50115	82018	24712	48431	07002	84818		
	010	33218	81011	26213	38500	07400	82820		
	049	40510	82011	26111	42600	09803	84830		
	026	50517	83031	26313	41402	09001	81712	84822	
	022	20518	89021	24915	11402	10201	81818		
	100	73507	87032	23616	784//	12701	81816	86635	
	917	70607	65012	22616	755//	10602	87622		
	980	60606	58102	23014	514/2	12501	84718	83070	
	976	80112	64105	23414	864//	11703	84710	88714	
	965	71009	60052	21419	756//	14102	87636		
	969	70608	62012	21915	754//	11001	83714	87625	
	962	70405	65051	20522	786//	15701	85830	83656	
	952	21104	40051	21117	22500	13201	82825		
	953	53509	58051	20320	32301	17803	81709	83833	

OBSERVATIONS during DAY

Station	iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h. – 21h.
	746	97160	000	id.	d.d.
	862	97171	002	d.d.	+
	797	97171	013	d.	d.
	776	91160	002	+	d.
	775	00170	000	+	+
	772	00180	000	[illegible] +	+
	586	97170	000	d.	d.
	590				
	497		000		
	502	00170	072	+	+
	628	97171	000	d.r.d.r.	+
	715	97160	000	r.	r.
	703	00160	003		
	827	05161	000	rRid.	+
	817	01171	000	r	d.d.
	804	96191	016	+	ir.
	809	03162	000	ir.irid.d.d.	id.d.d.
	894	01181	029	r.r.rrif	+
	534	97160	000	r.	r.d.
	559	97170	000	pr.	id.
	462	97150	000	d.r.	d.
	354	91150	000	+	d.d.d.r.
	414	97160	000	+	d.
	360	97160	000	+	ir.d.
	396			+	+
	257	00140	000	+	+
	262	94141	040	id.	+
	222	97160	000	d.	+
	302	00190	046	+	+
	334	97160	000	r.	pr.r.r.
	318	00170	000	+	+
	204	00160	000	+	+
	131	00160			
	162	97130	002	id.	+
	135	00180	015	+	+
	140	00180	006	+	+
	171	00160	036	+	+
	091	97150	019	+	d.r.
	005	97140	073	+	pr.
	075	97150	052	pr.	pr.
	010	00150			
	049	00130	041	if	+
	026	00140	093	+	+
	022	00180	104	+	+
	100	00170	036	+	+
	917	00170	004	+	+
	980	9715	016		
	976	9715	000		
	965	9721	043		
	969	0017	005		
	962	9724	069		
	952	0020	037		
	953	0023	126		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

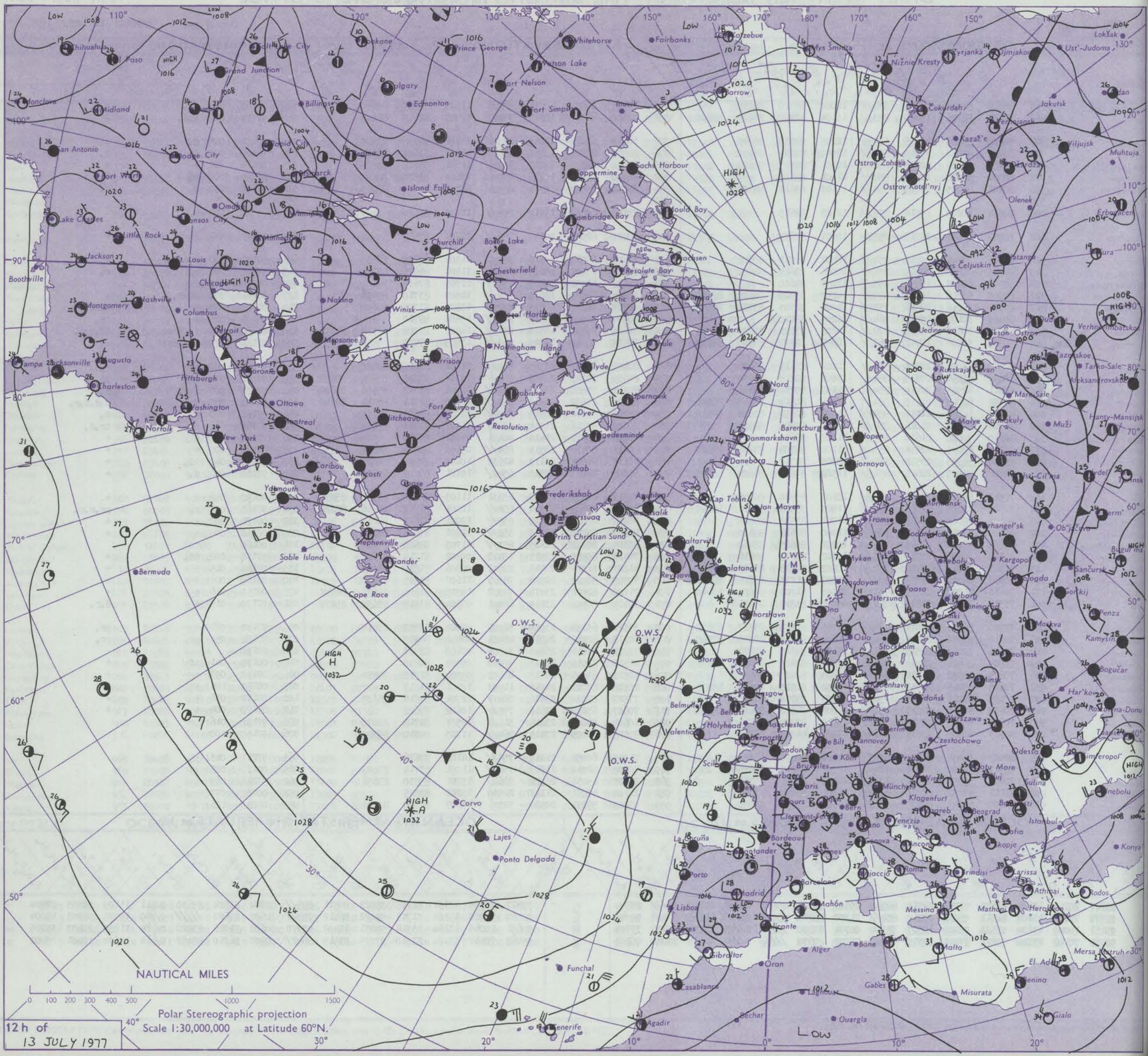
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70353	13121	71602	97032	22311	68530	00307	82828	85633	05007	11110	3////	27804
L	99570	70207	13124	81511	98032	27912	854//	21302	86712	88620	0//10	11365	30202	99/03
M	99651	10049	13124	53522	99028	18507	58500	00301	83820	/////	0//03	11136	30403	33705
R	99468	70168	13124	70211	97022	24315	756//	00202	87630	/////	0//14	11627	30000	05802

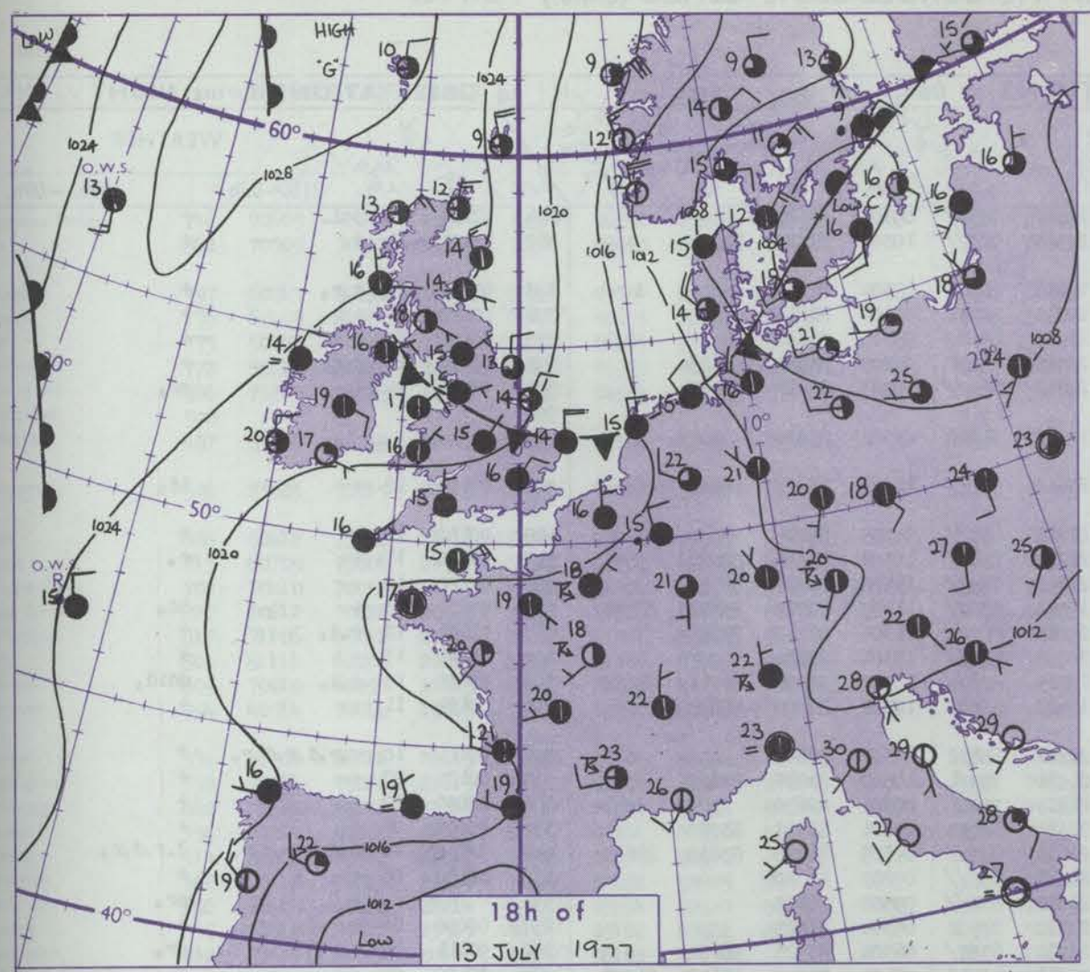
OCEAN WEATHER STATION REPORTS at 18h.

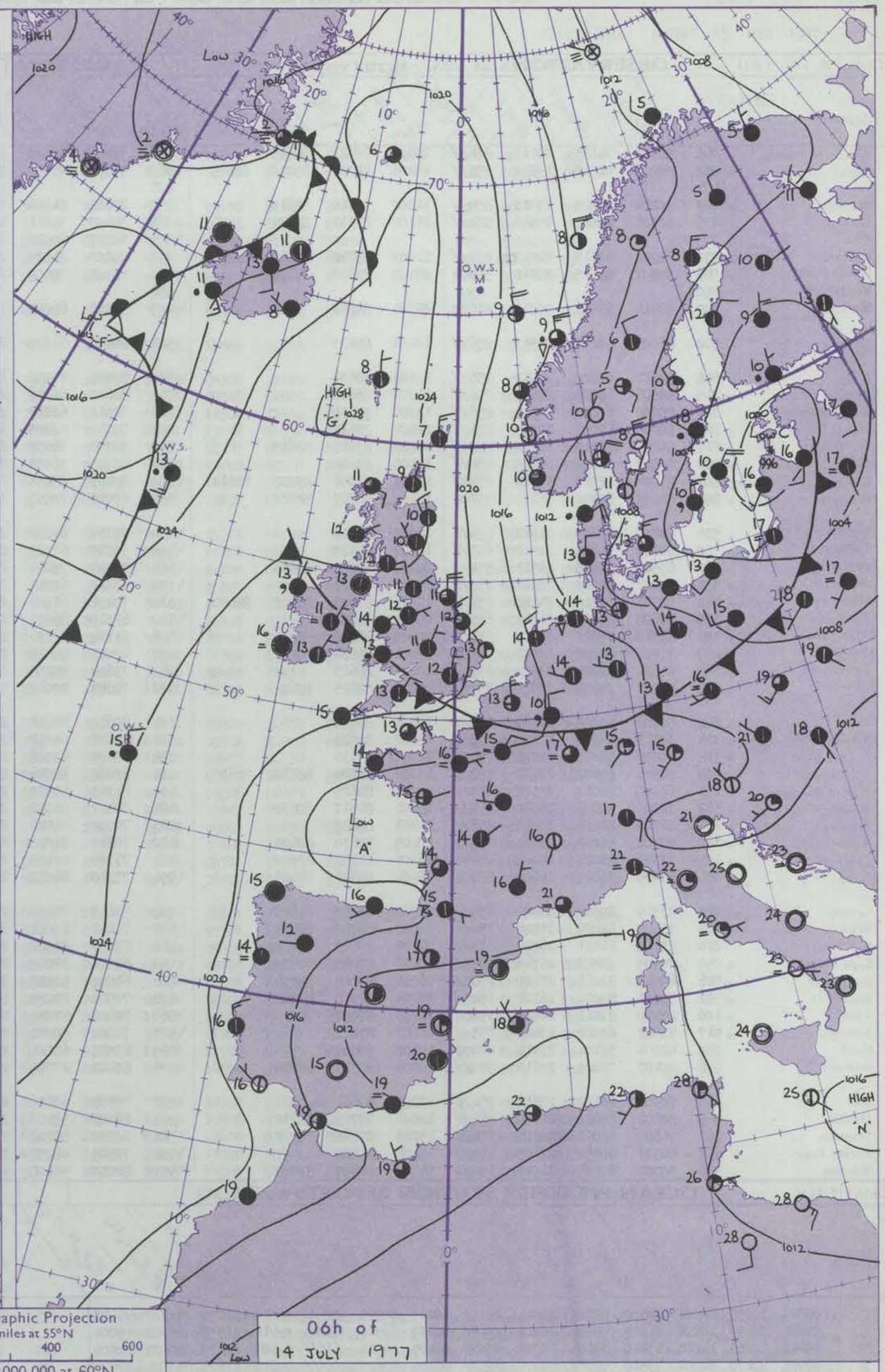
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	13181	82308	98022	20811	885//	00704	83824	85630	00211	11109	30403	27804
L	99569	70200	13184	71713	98022	26412	755//	31607	87620	/////	0//09	11378	30303	18004
M	99651	10049	13184	43518	99251	18408	43470	00602	81916	83820	0//04	11095	30403	33705
R	99468	70167	13184	83510	97025	23915	8642/	00807	86710	88457	0//14	11634	30401	05802

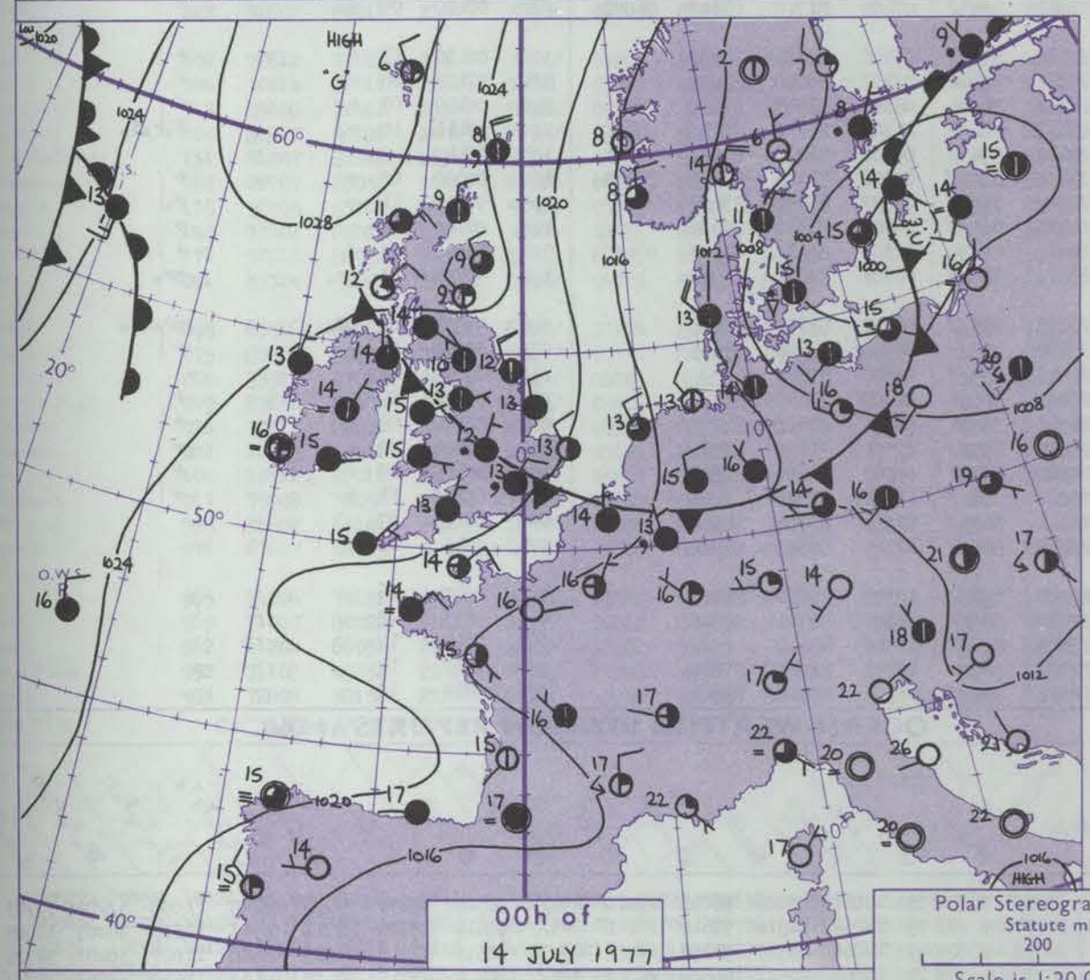
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday THURSDAY 14 JULY 1977

During the past 24 hours an anticyclone over eastern Iceland drifted slowly southwards to the west of Faeroes. A shallow low over north Biscay filled, whilst a depression over northern Denmark deepened as it moved eastwards across southern Sweden. A weak cold front moved steadily southwestwards across Scotland and the northeastern half of England and Wales.

During the next 24 hours the high to the southwest of Faeroes is expected to move to southwest Scotland, whilst the low over the southern Baltic continues to move away eastwards. The weak cold front will clear away southwestwards from remaining districts of England and Wales.

Code FM 11.V **OBSERVATIONS at 00h.** 14 JULY 1977

Station	iii	Ndd ff	VV ww W	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	8 $N_s Ch_s h_s$	8 $N_s Ch_s h_s$	8 $N_s Ch_s h_s$
Boscombe Down	746	80308	74035	20113	854//	10101	82714	88625	
Hurn	862	80206	40502	19814	853//	13205	84707	85710	88615
	871								
Manston	797	80214	70025	19313	854//	11000	83710	88615	
Gatwick	776	80306	62025	19914	854//	11102	81614	88624	
Kew	775								
Heathrow	772	80208	62512	20513	854//	11003	85710	88618	
Honington	586	53307	62115	20510	55402	09400	82618	84626	
Wattisham	590								
Gorleston	497	43411	64011	20013	41600	08501	84830		
Aberporth	502	81003	58052	21515	856//	12104	88633		
Filton	628	80611	65022	20913	856//	10102	88632		
Rhoose	715	80606	68026	20614	856//	11206	88630		
Hartland Point	703	80000	60022	20514	856//	13304	88635		
Mount Batten	827	80706	60052	19515	856//	12001	88634		
St. Mawgan	817	80203	45205	20014	852//	13103	83703	88615	
Scilly	804	80507	56022	20815	854//	14105	88614		
Culdrose	809	81004	12515	19914	851//	13003	82702	85708	88614
Guernsey	894	50609	58051	18214	55300	12102	82707	84625	
Elmdon	534	80206	59615	21912	854//	11000	88619		
Cardington	559	60606	70015	21312	655//	11400	86629		
Wittering	462	83505	80035	21811	854//	09102	85615	88626	
Watnall	354	70207	65015	22211	755//	09202	87626		
Shawbury	414	80703	56215	21813	854//	12103	83615	85622	88650
Finningley	360	63605	84035	21911	655//	09801	86627		
Spurn Point	396	83510	75032	21513	856//	10802	88630		
Leeming	257	53209	62011	23011	55500	08001	85624		
Tynemouth	262	63621	80021	23312	655//	10601	86625		
Carlisle	222	73202	70031	23510	755//	09203	82625	87638	
Valley	302	80706	62022	22115	855//	12801	88624		
Ringway	334	30313	65016	22513	35500	08002	83628		
Squires Gate	318	70806	68012	22813	756//	10002	87635		
Ronaldsway	204	70506	65602	22713	752//	13002	83704	85710	86632
Mull of Galloway	131	60000	80012	23312	45501	09204	84625		
Eskdalemuir	162	70000	80032	23810	754//	08801	84617	87630	
Prestwick	135	81203	80021	23414	855//	11203	88629		
Abbotsinch	140	70706	65042	23614	756//	10205	83630	87638	
Leuchars	171	33308	82021	24409	18442	06106	81818	83080	
Dyce	091	63409	86028	24309	58402	05104	82816	84628	
Lerwick	005	73519	80508	23808	754//	05000	82615	87625	
Wick	075	73609	82028	25709	754//	06002	82715	87635	
Sule Skerry	010	83615	81031	26910	855//	04102	88625		
Cape Wrath	049	70505	82031	26910	785//	05102	82825	87630	
Stornoway	026	60613	81011	27111	2543/	06201	82618	85358	
Benbecula	022	70412	85031	26111	1643/	08103	81712	87368	
Tiree	100	20309	87011	24412	15502	10205	81627		
Aldergrove	917	73502	60022	23414	755//	11103	87623		
Malin	980	42004	58101	23911	40970	10102	84360		
Belmullet	976	80107	72022	23613	864//	10000	85717	88638	
Birr	965	70306	60102	22814	756//	12205	87631		
Dublin	969	80202	80022	22714	864//	12001	85713	88630	
Shannon	962	71005	62031	22316	756//	13205	87633		
Roches Point	952	80802	40051	22115	855//	12101	88629		
Valentia	953	30000	60101	21516	15601	14102	81640	83070	

OBSERVATIONS at 06h. 14 JULY 1977

Station	iii	Ndd ff	VV ww W	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	8 $N_s Ch_s h_s$	8 $N_s Ch_s h_s$	8 $N_s Ch_s h_s$
Boscombe Down	746	70307	83022	20812	755//	09308	87625		
Hurn	862	70307	70035	20313	755//	10307	81620	87625	
	871								
Manston	797	23612	84016	19213	21441	08304	82815		
Gatwick	776	30407	75011	20313	28431	08306	81815		
Kew	775	60105	80022	21012	65600	08303	86632		
Heathrow	772	70107	81025	20912	68431	09205	81818	86635	
Honington	586	63108	72252	20212	684//	10303	84814	85625	
Wattisham	590								
Gorleston	497	33312	66021	19513	31500	08302	83825		
Aberporth	502	80804	62505	21613	853//	12303	81708	86620	88650
Filton	628	80508	75032	21512	884//	09305	82714	88630	
Rhoose	715	80605	66016	21212	854//	10308	82616	88628	
Hartland Point	703	70912	62015	20314	785//	11400	84820	87635	
Mount Batten	827	80713	62205	19914	854//	11207	82714	85622	88638
St. Mawgan	817	80708	56052	20013	884//	11304	81817	88624	
Scilly	804	80507	56022	20315	854//	15301	88614		
Culdrose	809	80405	28055	19814	853//	13305	82706	84711	88620
Guernsey	894	60613	70031	17613	65200	12302	82704	85640	
Elmdon	534	70307	62036	22111	65632	09302	86640		
Cardington	559	70207	67022	21211	784/1	10500	81815	87625	
Wittering	462	33408	75011	21411	25601	09301	82630		
Watnall	354	43410	62011	22111	18402	08301	81812	83080	
Shawbury	414	70106	61046	22611	785//	09305	81825	83635	87650
Finningley	360	63510	86031	21811	656//	07203	86640		
Spurn Point	396	63314	68258	21012	655//	09500	86625		
Leeming	257	43413	84011	23110	28502	05304	81825		
Tynemouth	262	73624	80258	23011	6357/	06304	83925	86630	
Carlisle	222	70606	80012	23911	48432	07204	81710	83645	86072
Valley	302	80610	80022	22414	855//	07306	83624	88632	
Ringway	334	60108	68011	23012	45602	07307	84640	83075	
Squires Gate	318	70704	83022	23512	58401	08307	81817	84630	
Ronaldsway	204	80202	58046	23113	854//	11304	81712	85715	88640
Mull of Galloway	131	81315	80022	23112	854//	09302	81710	88620	
Eskdalemuir	162	70112	82012	24409	3547/	03306	81718	83630	87364
Prestwick	135	70809	81026	23912	755//	05307	81620	87628	
Abbotsinch	140	70810	81022	24411	785//	05308	81822	87636	
Leuchars	171	73306	86031	24710	68434	04303	81818	83625	86630
Dyce	091	73310	86022	23810	785//	04601	82822	87638	
Lerwick	005	73615	70208	23207	783//	06502	81708	87635	
Wick	075	70112	80021	25109	755//	05500	83620	87635	
Sule Skerry	010	73616	82022	26010	755//	05502	87625		
Cape Wrath	049	60510	81012	26309	55601	04400	85630	86075	
Stornoway	026	61009	82022	26311	35531	06501	83622	84075	
Benbecula	022	70513	87022	25511	1553/	07501	81625	87365	
Tiree	100	70606	87031	24212	15552	09302	81620	87362	
Aldergrove	917	70000	50042	23013	756//	11301	87645		
Malin	980	63505	62101	23113	2633/	12502	82706	84360	
Belmullet	976	80107	25515	23113	863//	12701	86708	88712	
Birr	965	70303	60102	22911	656/2	10303	86632	85070	
Dublin	969	80408	59106	22614	863//	12304	86706	86710	
Shannon	962	80802	58102	22415	856//	12500	88640		
Roches Point	952	70305	40052	22113	36404	12303	82718	87072	
Valentia	953	80000	58101	22016	854//	15306	84710	88626	

OBSERVATIONS during NIGHT

Station	iii	RRT$_n$T$_n$E	$T_g T_g$	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	97110	10	d.d.	+
Hurn	862	97121	11	d.	+
Manston	797	97121	10	d.r.	+
Gatwick	776	00120	11	+	+
Kew	775	00120	10	+	+
Heathrow	772	97120	11	d.d.	+
Honington	586	97090	04	+	pr.
Wattisham	590				
Gorleston	497				
Aberporth	502	97130	12	+	id.
Filton	628	00120	11	+	+
Rhoose	715	97120	11	+	r.
Hartland Point	703	97120	12		
Mount Batten	827	97131	13	+	id.
St. Mawgan	817	92131	12	d.d.	+
Scilly	804	00141	15	+	+
Culdrose	809	01132	13	d.d.	ddid.
Guernsey	894	00121	11	+	+
Elmdon	534	97111	10	r.r.d.r.d.r.	+
Cardington	559	00100	07	+	+
Wittering	462	00090	07	+	+
Watnall	354	00090	06	+	+
Shawbury	414	97119	10	d.d.d.r.d.r.	d.r.d.r.
Finningley	360	00100	06	+	+
Spurn Point	396			+	pr.
Leeming	257	00090	06	+	+
Tynemouth	262	97111	09	+	pr.
Carlisle	222	00100	05	+	+
Valley	302	00130	13	+	+
Ringway	334	97100	06	r.	+
Squires Gate	318	00100	07	+	+
Ronaldsway	204	97111	10	r.	d.r.d.
Mull of Galloway	131	97110			
Eskdalemuir	162	00080	05	+	+
Prestwick	135	97110	11	+	r.
Abbotsinch	140	00110	11	+	+
Leuchars	171	00080	02	+	+
Dyce	091	97070	03	pr.	pr.
Lerwick	005	93071	06	id.	pr.id.
Wick	075	00070	04	+	+
Sule Skerry	010	00080	08		
Cape Wrath	049	00070	08	+	+
Stornoway	026	00100	08	+	+
Benbecula	022	00100	08	+	+
Tiree	100	00110	09	+	+
Aldergrove	917	00120	11	+	+
Malin	980	9710	07		
Belmullet	976	9713	12		
Birr	965	0010	06		
Dublin	969	9713	12		
Shannon	962	9715	14		
Roches Point	952	9712	11		
Valentia	953	9714	10		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	99 $L_a L_a L_a$	$Q_c L_o L_o L_o$	YYGGiw	Ndd ff	VV ww W	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	8 $N_s Ch_s h_s$	8 $N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	14001	82605	98022	21811	885//	00207	85828	83631	00010	11177	3////	///03
L	99568	70199	14004	81815	98026	25412	854//	00809	86710	88618	0//11	11355	30303	19004
M	99649	10050	14004	63419	99808	19007	59460	00105	84914	/////	0//05	11129	30403	34806
R	99468	70170	14004	83510	97022	25015	755//	00206	87627	/////	0//14	11626	30602	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	99 $L_a L_a L_a$	$Q_c L_o L_o L_o$	YYGGiw	Ndd ff	VV ww W	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	8 $N_s Ch_s h_s$	8 $N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	14061	83006	98038	23010	856//	00304	88633	/////	05207	11090	3//02	///03
L	99569	70199	14064	81816	97616	22212	873//	00614	85706	88710	0//11	11357	30403	14005
M	99649	10049	14064	53518	98258	19808	49431	00308	82915	83825	0//06	11087	30403	34706
R	99468	70170	14064	83511	96606	24014	854//	00504	82713	88630	0//14	11628	30702	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. &

All times of

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42239

Date of Issue FRIDAY 15 JULY 1977

Code FM 11.V **OBSERVATIONS at 12h.** 14 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	70609	83012	20915	785//	06502	85826	86633	
Hurn	862	70509	77012	20716	785/1	08400	83827	87630	
Manston	797	60213	84031	19916	684/1	09301	82818	86640	
Gatwick	776	60109	81021	20416	686//	08603	83832	86656	
Kew	775	50408	80012	20917	58600	06803	81830	85645	
Heathrow	772	50110	81012	20816	54600	05703	81835	85648	
Honington	586	73215	84028	20515	786//	04301	83830	87640	
Wattisham	590								
Gorleston	497	53426	66038	20113	32530	07304	83820	85360	
Aberporth	502	73603	72015	22516	1843/	11101	81817	87358	
Filton	628	50412	75012	21417	58501	05500	83828	83635	
Rhoose	715	60709	75016	21517	58501	08702	83825	83635	
Hartland Point	703	70410	70012	21515	48571	11301	81820	84635	87360
Mount Batten	827	70612	70022	20717	786//	10501	83830	87656	
St. Mawgan	817	71106	65012	20917	48402	11201	83818	86075	
Scilly	804	81111	62032	22117	884//	14306	83818	88623	
Culdrose	809	70910	60052	21115	754//	12204	81710	87650	
Guernsey	894	40514	74011	19515	38402	12207	83815		
Elmdon	534	40208	66011	22115	41500	05601	84824		
Cardington	559	70511	75022	21615	785//	08500	83825	87640	
Wittering	462	73614	82031	22014	785//	06303	82828	87645	
Watnall	354	60210	80031	22415	686//	05301	82830	85650	
Shawbury	414	50212	75012	22315	58601	08604	84830		
Finningley	360	70112	84021	22614	785//	08202	83825	87645	
Spurn Point	396	63612	80022	22214	685//	08104	82820	86630	
Leeming	257	73512	80021	23513	785//	05102	85822	87640	
Tynemouth	262	83523	69022	24111	856//	06103	88630		
Carlisle	222	30607	84011	23615	31600	06705	83832		
Valley	302	70612	81022	23317	785//	07206	81820	87650	
Ringway	334	30414	82011	22616	31601	03703	83835		
Squires Gate	318	53608	82012	23317	58500	07706	82825	84635	
Ronaldsway	204	80810	80026	24013	855//	08400	88623		
Mull of Galloway	131	81207	82106	24313	4552/	07203	84620	88460	
Eskdalemuir	162	20707	83031	24014	21500	04501	82828		
Prestwick	135	50205	83012	24016	58500	05706	81828	83635	
Abbotsinch	140	33302	84021	23817	38600	06811	82832		
Leuchars	171	50210	86022	24315	58500	04703	81825	84640	
Dyce	091	83314	86028	24611	855//	06303	84625	88635	
Lerwick	005	63516	81258	23611	6843/	07104	83812	85630	
Wick	075	83612	80802	25510	884//	07302	84818	85625	88635
Sule Skerry	010	83512	82022	26710	855//	06205	88625		
Cape Wrath	049	83610	81032	26610	856//	09202	88630		
Stornoway	026	30713	88031	26712	21601	06301	82830		
Benbecula	022	20515	88011	25414	15502	07605	81625		
Tiree	100	10311	87011	24615	11501	08603	81824		
Aldergrove	917	70908	58052	23416	784//	12203	83714	84816	87645
Malin	980	30608	65101	23415	12541	13101	81820	83075	
Belmullet	976	63607	68015	22918	684//	14501	82718	84820	
Birr	965	71204	70032	22518	785//	10702	85824	84638	
Dublin	969	71007	80022	23217	3853/	08203	81820	83645	87360
Shannon	962	61204	66051	22520	685//	12101	85825		
Roches Point	952	71108	45052	22616	785//	13303	84824	87650	
Valentia	953	72808	58102	22218	62301	15204	81709	86826	

OBSERVATIONS at 18h. 14 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	60409	82022	21016	48631	05204	81830	84645	85075
Hurn	862	30307	81011	20717	38601	08603	81835	83645	
Manston	797	60309	84021	20414	58541	09102	81822	84640	
Gatwick	776	50110	81012	20816	58600	06205	81845	85656	
Kew	775	70107	83022	21516	786//	04303	81840	87650	
Heathrow	772	70112	82022	21516	686/1	05105	81845	86656	
Honington	586	73412	84022	21613	785//	05307	82822	87640	
Wattisham	590								
Gorleston	497	73316	66031	21013	785//	08304	84820	87635	
Aberporth	502	23508	72031	22716	15601	11503	81635		
Filton	628	30411	75011	21417	35600	04302	81635		
Rhoose	715	73303	78031	21417	785/1	09500	81825	87645	
Hartland Point	703	33412	74011	21915	12631	12500	81830	83075	
Mount Batten	827	42308	70011	21516	48601	13202	81832	83650	
St. Mawgan	817	70108	70012	21816	744//	12203	81815	84618	87635
Scilly	804	50000	60012	23016	58400	13002	82818	85628	
Culdrose	809	82102	65056	21915	856//	11301	88645		
Guernsey	894	40612	78021	20215	10931	10102	81365		
Elmdon	534	70508	75031	22615	786//	05303	81832	87645	
Cardington	559	70809	78022	22613	786//	10304	81830	87645	
Wittering	462	70410	82022	22613	785//	07204	82825	87645	
Watnall	354	70108	78022	23314	786//	05305	83830	86656	
Shawbury	414	50108	75031	22216	54600	07501	82830	85645	
Finningley	360	70210	84020	23114	786//	06302	81832	87640	
Spurn Point	396	73618	70032	22613	785//	08302	82820	87630	
Leeming	257	50111	84012	24013	58600	05500	81830	85645	
Tynemouth	262	23621	80021	24212	22600	08400	82830		
Carlisle	222	21006	87021	23316	11601	06705	81840		
Valley	302	40608	82031	23218	12601	07803	81835	84075	
Ringway	334	60510	75034	22416	64600	05502	81840	86650	
Squires Gate	318	23211	82021	22916	18601	10603	81830		
Ronaldsway	204	42507	82021	23515	11601	09505	81830	84075	
Mull of Galloway	131	62407	82022	23514	00901	09506	86075		
Eskdalemuir	162	10508	84010	23414	12601	05502	81830		
Prestwick	135	52710	75021	23216	18602	09606	81830	85075	
Abbotsinch	140	30903	84020	22519	21601	07608	82840		
Leuchars	171	60815	86031	24313	18641	06301	81835	83080	
Dyce	091	63313	84018	24611	685//	06501	82825	85645	
Lerwick	005	70115	84028	23910	784//	06201	81710	83815	86630
Wick	075	73612	84028	25311	785//	07501	83820	87635	
Sule Skerry	010	53410	84012	26111	58500	08605	84820		
Cape Wrath	049	80505	82022	26210	885//	08705	83820	88625	
Stornoway	026	10513	88020	25412	11601	06606	81835		
Benbecula	022	10712	88010	24613	00901	08604	81075		
Tiree	100	30108	88020	24015	11502	09605	81829	83075	
Aldergrove	917	71608	60052	23016	755//	11706	84622	86628	
Malin	980	30710	68100	23214	18502	11702	81823	83075	
Belmullet	976	30206	67011	22618	38400	14604	81717		
Birr	965	70000	66022	22419	756//	10702	87638		
Dublin	969	61210	81032	22915	3573/	10805	83650	84359	
Shannon	962	60902	65052	21921	686//	12605	83835	84650	
Roches Point	952	81103	45052	23116	854//	13500	84714	88624	
Valentia	953	72803	40102	22817	785//	15301	84824	87640	

OBSERVATIONS during DAY

Station	iii	RRT T_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00170	060 +		+
Hurn	862	00180	043 +		+
Manston	797	00170	084 +		+
Gatwick	776	00180	041 +		+
Kew	775	00180	046 +		+
Heathrow	772	00190	034 +		+
Honington	586	97170	037 pr.		+
Wattisham	590				
Gorleston	497		049		
Aberporth	502	00170	082 +		+
Filton	628	00190	094 +		+
Rhoose	715	00190	042 +		+
Hartland Point	703	00180	084		
Mount Batten	827	00180	031 +		+
St. Mawgan	817	00181	009 +		+
Scilly	804	00180	038 +		+
Culdrose	809	97161	001 ir.		ir.
Guernsey	894	00161	083 +		+
Elmdon	534	00170	077 +		+
Cardington	559	97170	050 +		pr.
Wittering	462	00160	044 +		+
Watnall	354	00160	079 +		+
Shawbury	414	00180	099 +		+
Finningley	360	00160	048 +		jp
Spurn Point	396		+		+
Leeming	257	00150	043 +		+
Tynemouth	262	00120	042 +		+
Carlisle	222	00170	126 +		+
Valley	302	00190	068 +		+
Ringway	334	00170	124 +		+
Squires Gate	318	00180	098 +		+
Ronaldsway	204	97160	051 d.		+
Mull of Galloway	131	00160			
Eskdalemuir	162	00160	138 +		+
Prestwick	135	00180	086 +		+
Abbotsinch	140	00200	092 +		+
Leuchars	171	00160	116 +		+
Dyce	091	97120	011 pr.		pr.
Lerwick	005	97130	010 pr.		pr.
Wick	075	97130	012 pr.		+
Sule Skerry	010	00130			
Cape Wrath	049	00130	012 +		+
Stornoway	026	00130	149 +		+
Benbecula	022	00160	138 +		+
Tiree	100	00160	113 +		+
Aldergrove	917	00180	017 +		+
Malin	980	0015	144		
Belmullet	976	9719	032		
Birr	965	0020	014		
Dublin	969	0017	024		
Shannon	962	0021	040		
Roches Point	952	0018	027		
Valentia	953	0019	040		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 12h.**

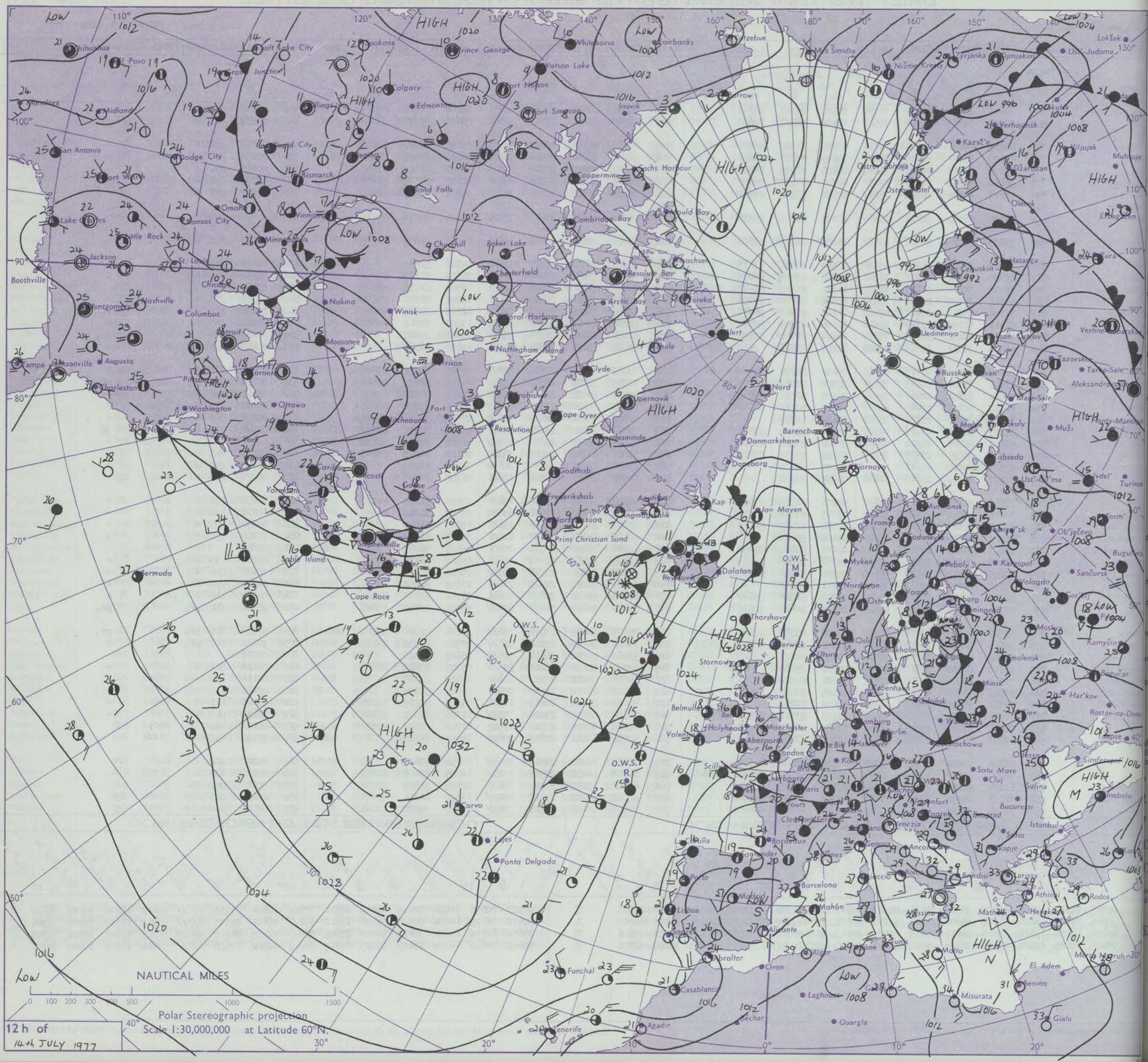
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	14121	82005	98028	25111	885//	00213	84828	84631	05207	11220	30302	22803
L	99569	70199	14124	81718	96606	20612	872//	00608	85704	88709	0//12	11336	30403	14005
M	99651	10038	14124	40215	98011	22108	49430	00213	81915	83820	0//05	11127	30302	35606
R	99468	70168	14124	83410	96206	24814	884//	00500	84810	88616	0//14	11629	30000	02704

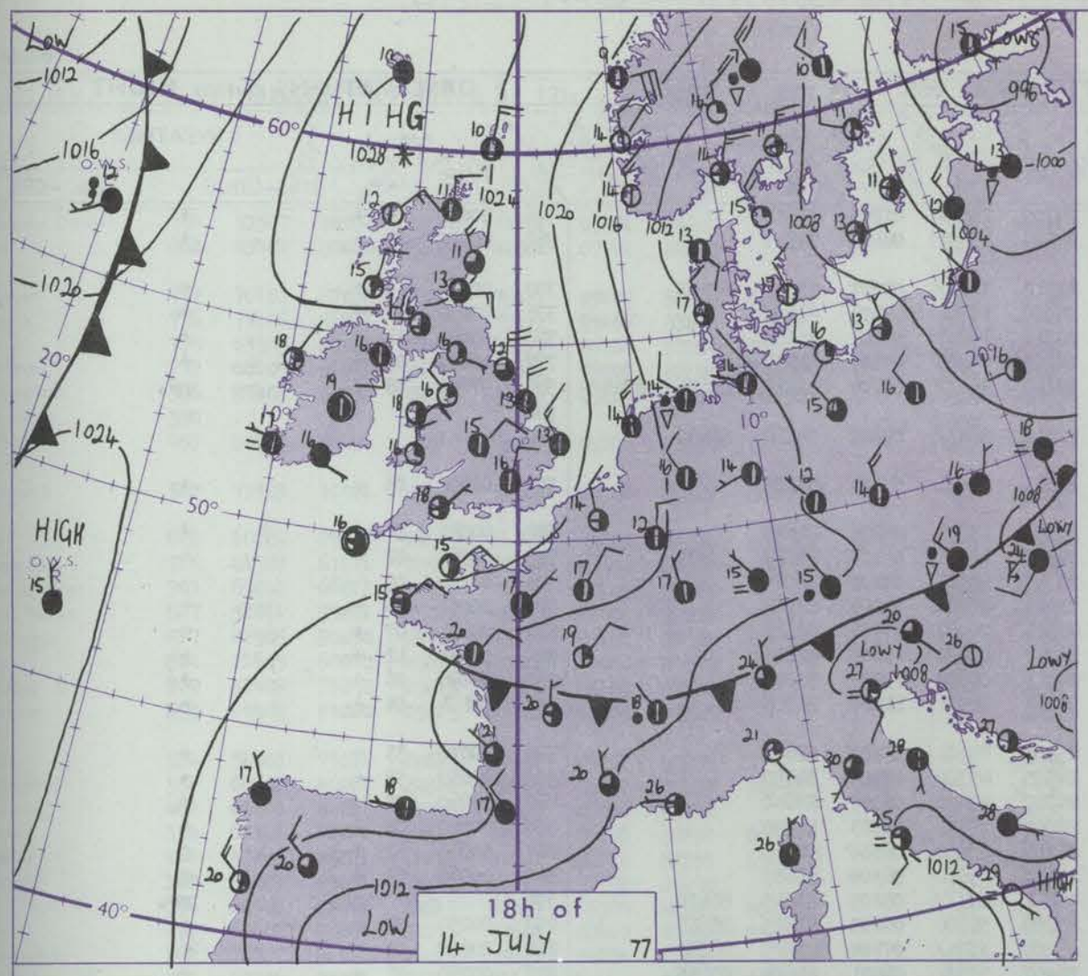
OCEAN WEATHER STATION REPORTS at 18h.

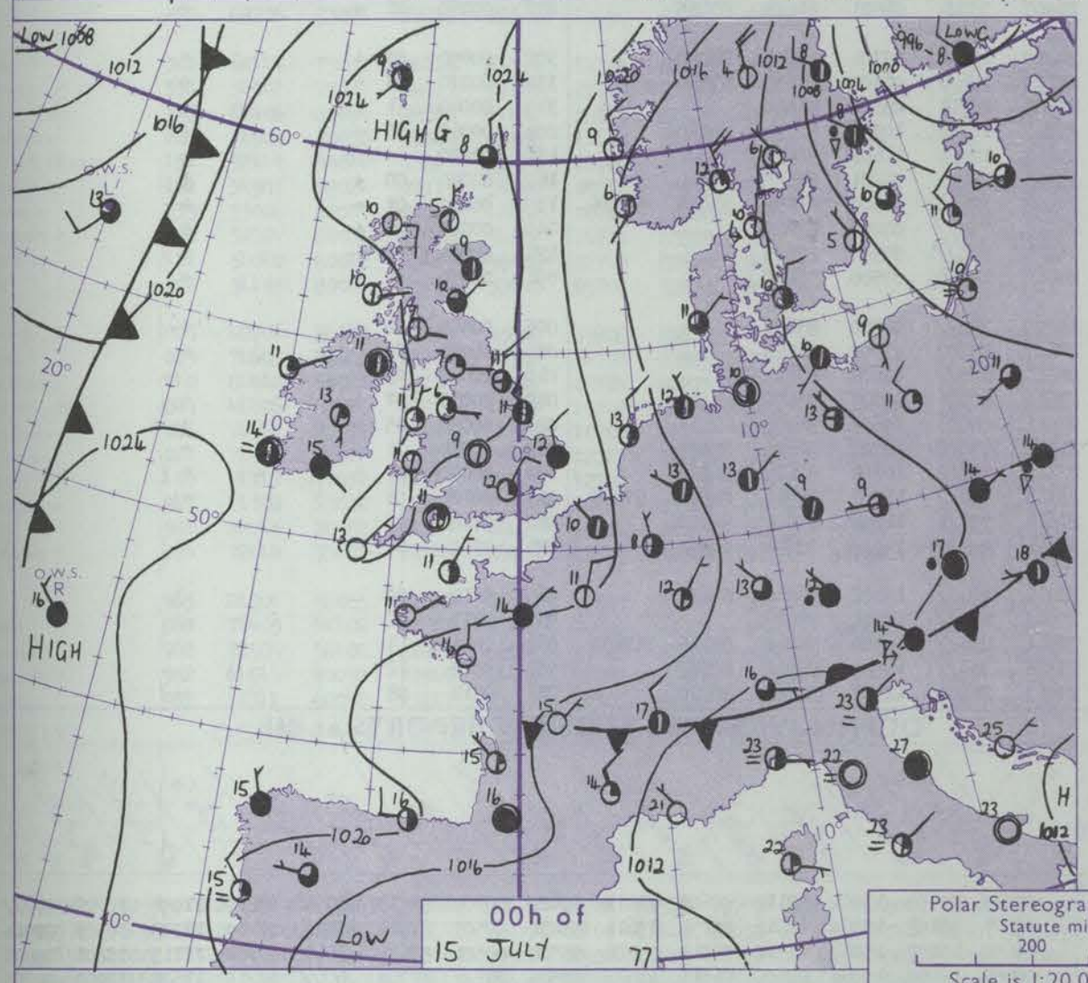
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	14181	72408	98018	25511	75500	00604	87630	/////	05108	11196	30403	/////
L	99570	70199	14184	82406	95596	18512	872//	00608	88703	/////	0//12	11334	30201	15904
M	99651	10039	14184	80113	98028	23508	884//	00205	81815	88625	0//05	11126	30302	35705
R	99468	70168	14184	83407	97025	24715	855//	00802	87620	/////	0//14	11632	30000	03703

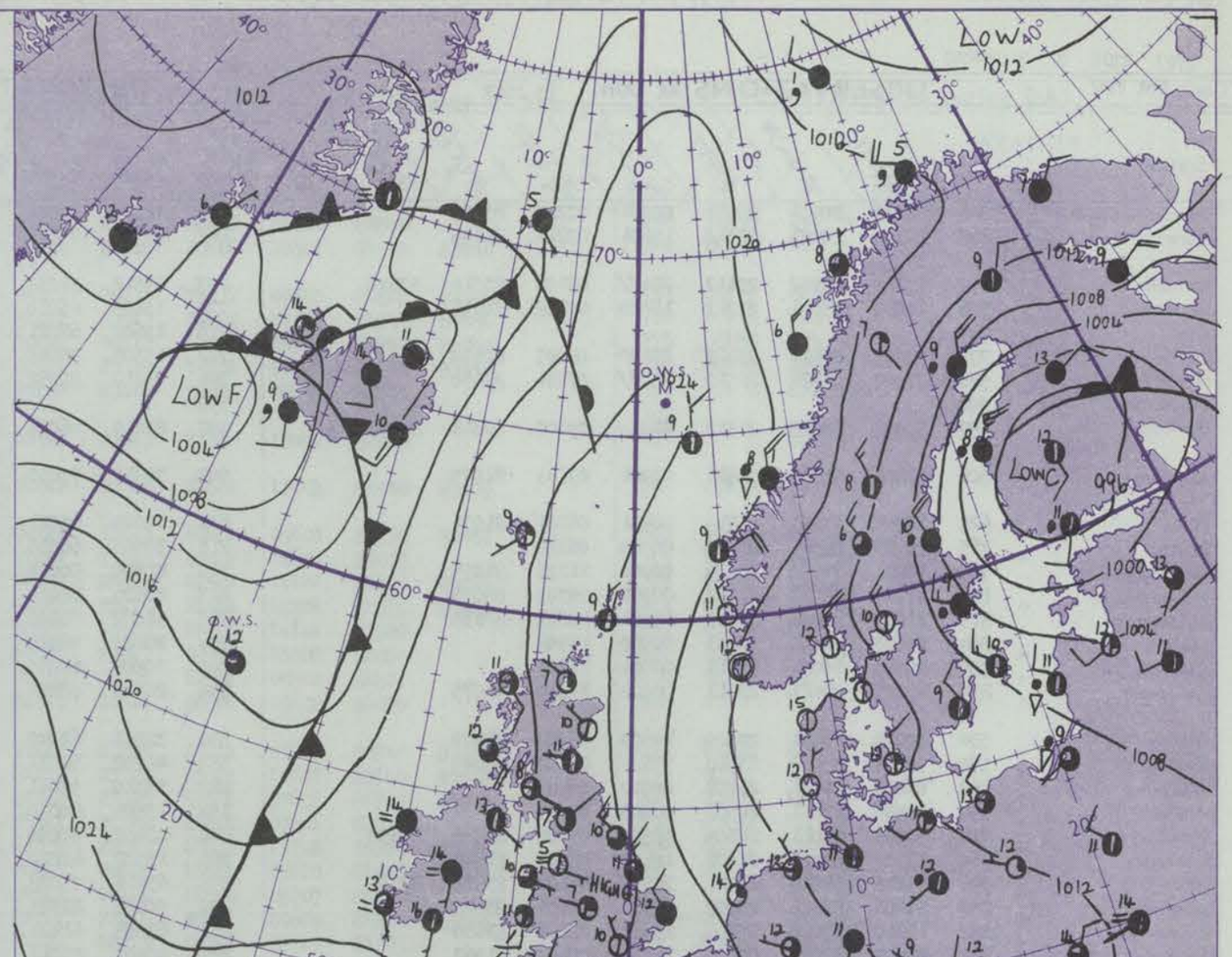
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday FRIDAY 15 JULY 1977

During the past 24 hours an anticyclone over Faeroes has transferred southwards into central England. A weak cold font lying from Northern Ireland to Dover moved steadily southwestwards. During the next 24 hours, the anticyclone over central England will move towards the Channel while troughs of low pressure are expected to affect western districts later in the period.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V **OBSERVATIONS at 00h. 15 JULY 1977**

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	30706	80031	23411	00901	07210	83075		
Hurn	862	20306	80021	23310	15601	07211	81645		
Manston	797	73512	82032	22112	784//	08108	83814	87640	
Gatwick	776	10000	75011	23212	15700	07108	81656		
Kew	775								
Heathrow	772	20308	80011	23412	25700	08005	82650		
Honington	586	73005	75022	22510	757//	07101	87650		
Wattisham	590								
Gorleston	497	83408	66038	21512	2141/	09400	82818	88460	
Aberporth	502	11801	75020	23511	00901	09103	81075		
Filton	628	10905	75021	23810	00901	06111	81075		
Rhoose	715	00703	68011	23709	00900	06212			
Hartland Point	703	10408	74050	23114	00901	11208	81075		
Mount Batten	827	41006	68011	23212	00901	09309	84075		
St. Mawgan	817	21004	60051	23212	15601	10206	81635		
Scilly	804	00503	71011	24213	00900	13308			
Culdrose	809	00305	60051	23111	00900	11207			
Guernsey	894	40203	78021	22611	00902	11210	84075		
Elmdon	534	10000	66011	24509	15600	05207	81640		
Cardington	559	70104	75038	23810	756//	08104	87648		
Wittering	462	03403	81011	23908	00900	06102			
Watnall	354	03505	62021	24508	00900	05203			
Shawbury	414	30902	68011	24309	38502	07109	81825	83650	
Finningley	360	13305	83021	24008	15600	05202	81640		
Spurn Point	396	73213	68038	23411	785//	08102	83825	87635	
Leeming	257	33106	80031	25007	35600	05103	83640		
Tynemouth	262	13210	69020	25109	15600	07204	81630		
Carlisle	222	20903	82020	25007	10931	05107	81362		
Valley	302	20103	75010	24011	00901	07003	82078		
Ringway	334	10506	70021	24510	00901	05105	81075		
Squires Gate	318	20905	68031	24506	00902	05106	82072		
Ronaldsway	204	10106	82011	23907	00901	06002	81075		
Mull of Galloway	131	00606	82010	24011	00900	09801			
Eskdalemuir	162	33402	81020	26005	25602	03003	82645		
Prestwick	135	11002	65021	24507	00902	07108	81075		
Abbotsinch	140	40708	75011	24811	45601	06009	82638	84645	
Leuchars	171	60405	86031	25310	685//	06003	81820	86628	
Dyce	091	73106	86022	25009	785//	07802	82825	87637	
Lerwick	005	63509	82028	24608	684//	06000	82815	86630	
Wick	075	13605	84011	25605	15600	05802	81640		
Sule Skerry	010	70000	84022	25810	756//	06705	87630		
Cape Wrath	049	21412	82011	24909	25600	06710	82630		
Stornoway	026	10910	84010	24610	00901	08705	81075		
Benbecula	022	10609	89020	23609	00902	09706	81075		
Tiree	100	10802	87110	23410	00902	09704	81072		
Aldergrove	917	70000	60051	23511	757//	09801	87650		
Malin	980	10906	70010	22912	15702	11804	81650		
Belmullet	976	20703	69011	22111	15602	10804	81640		
Birr	965	31704	66031	22913	35600	12501	83636		
Dublin	969	71205	81022	23514	756//	10500	87635		
Shannon	962	82509	56102	23016	863//	15305	82706	84713	88645
Roches Point	952	81201	50052	23815	854//	14205	83715	88650	
Valentia	953	70000	40102	23514	785//	14205	83824	87640	

OBSERVATIONS at 06h. 15 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	12703	80021	24709	15601	07209	81635		
Hurn	862	23502	75011	24209	15601	08108	81635		
Manston	797	73512	81032	22512	784//	08207	83812	87645	
Gatwick	776	13202	65010	24009	15701	08208	81650		
Kew	775	13602	68021	24310	15701	07307	81656		
Heathrow	772	13305	70010	24210	15700	07209	81650		
Honington	586	73210	80252	23210	784//	08106	81818	83625	87650
Wattisham	590								
Gorleston	497	83210	66022	22312	884//	09209	84818	88630	
Aberporth	502	31811	75030	24011	30931	07303	83358		
Filton	628	10903	65021	24909	15501	07206	81625		
Rhoose	715	30505	66030	24609	11431	07104	81818	83075	
Hartland Point	703	41509	80020	23711	00904	07303	84075		
Mount Batten	827	20806	82020	23911	00901	09206	82075		
St. Mawgan	817	31007	70020	23811	00902	07304	83075		
Scilly	804	20000	58020	24313	00902	13303	82075		
Culdrose	809	30805	60050	24011	00902	10207	83072		
Guernsey	894	20506	62011	23511	11302	11210	81706		
Elmdon	534	32801	62040	25507	25601	05207	82640		
Cardington	559	42702	58031	24905	45700	05309	84650		
Wittering	462	33310	58041	24707	35600	06307	83640		
Watnall	354	13506	60020	24909	15731	06303	81650		
Shawbury	414	22402	59050	25307	10932	06304	81365		
Finningley	360	13307	62020	25109	15640	06309	81635		
Spurn Point	396	63416	75028	23811	684//	08205	83815	86630	
Leeming	257	50602	82021	25209	58500	06103	81825	85635	
Tynemouth	262	63208	61021	25209	3353/	07104	83925	86358	
Carlisle	222	40402	83011	24907	35531	06801	81628	83635	
Valley	302	61004	81031	24010	15704	08301	81656	86080	
Ringway	334	72402	60021	25109	756//	06304	81635	87640	
Squires Gate	318	11006	56100	25105	15701	05301	81650		
Ronaldsway	204	61410	63041	23913	15302	10301	81709	86080	
Mull of Galloway	131	31808	74020	23614	12506	11602	81825		
Eskdalemuir	162	70000	84021	25506	756//	05201	87635		
Prestwick	135	51106	75031	24408	38632	06302	81832	83640	85075
Abbotsinch	140	70705	82031	24511	755//	07400	87625		
Leuchars	171	72703	86022	24811	755//	07801	87625		
Dyce	091	13003	89011	24410	18530	07500	81820		
Lerwick	005	73607	84021	24209	755//	06500	87627		
Wick	075	22903	86030	24607	18502	07802	81822		
Sule Skerry	010	70908	84022	24510	755//	06604	87625		
Cape Wrath	049	31410	84030	23610	00901	09707	83070		
Stornoway	026	51509	88031	23011	00906	09605	85275		
Benbecula	022	51409	87021	21912	15502	10707	81625	85075	
Tiree	100	61418	84021	22512	15502	10704	81628	86072	
Aldergrove	917	71205	57041	23113	754//	11801	81715	84630	87645
Malin	980	71713	70031	21614	756/2	11704	87642	84070	
Belmullet	976	82411	60104	21714	854//	13600	83716	88638	
Birr	965	81804	50101	22714	864//	13302	86716	87636	
Dublin	969	81405	70206	23013	855//	10801	88625		
Shannon	962	82003	50102	22916	864//	14303	81710	85715	87630
Roches Point	952	71807	50052	23316	764//	14503	85712	87647	
Valentia	953	61603	56101	23013	22502	12501	82824	86070	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00070	04 +		+
Hurn	862	00070	04 +		+
Manston	797	00110	10 +		+
Gatwick	776	00070	03 +		+
Kew	775	00070	51 +		+
Heathrow	772	00090	05 +		+
Honington	586	97090	08 +		pr.
Wattisham	590				
Gorleston	497				
Aberporth	502	00090	06 +		+
Filton	628	00080	51 +		+
Rhoose	715	00060	02 +		+
Hartland Point	703	00110	09		
Mount Batten	827	00091	06 +		+
St. Mawgan	817	00101	07 +		+
Scilly	804	00121	12 +		+
Culdrose	809	00090	06 +		+
Guernsey	894	00101	04 +		+
Elmdon	534	00030	53 +		+
Cardington	559	00030	52 +		+
Wittering	462	00060	05 +		+
Watnall	354	00060	02 +		+
Shawbury	414	00040	52 +		+
Finningley	360	00060	02 +		+
Spurn Point	396		pr.	pr.	pr.
Leeming	257	00050	02 +		+
Tynemouth	262	00070	05 +		+
Carlisle	222	00050	01 +		+
Valley	302	00090	03 +		+
Ringway	334	00070	03 +		+
Squires Gate	318	00040	51 +		+
Ronaldsway	204	00060	03 +		+
Mull of Galloway	131	00090			
Eskdalemuir	162	00040	00 +		+
Prestwick	135	00060	03 +		+
Abbotsinch	140	00070	04 +		+
Leuchars	171	00090	05 +		+
Dyce	091	00070	01 +		+
Lerwick	005	00050	02 +		+
Wick	075	00030	52 +		+
Sule Skerry	010	00080	08		
Cape Wrath	049	00080	07 +		+
Stornoway	026	00080	05 +		+
Benbecula	022	00070	01 +		+
Tiree	100	00090	01 +		+
Aldergrove	917	00100	06 +		+
Malin	980	9710	07		
Belmullet	976	9710	06		
Birr	965	9712	09		
Dublin	969	9713	12		
Shannon	962	0016	14		
Roches Point	952	0015	12		
Valentia	953	9712	08		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	15001	82209	97808	24311	834//	00711	84917	84628	00010	11155	3//04	/////
L	99570	70198	15004	62208	98026	17512	35332	00708	81708	83630	0//11	11348	30201	20904
M	99650	10037	15004	80112	98022	23708	855//	00802	88625	/////	0//04	11116	30201	35803
R	99468	70168	15004	83206	96032	25515	854//	00102	88616	/////	0//13	11626	30000	04703

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	15061	82112	97608	21412	8042/	00705	88513	/////	00210	11091	3//06	/////
L	99571	70198	15064	62816	97258	15611	53431	00505	81914	83818	0//09	11346	30303	20904
M	99650	10037	15064	73512	98012	23208	75500	00501	87625	/////	0//04	11117	30201	35803
R	99468	70169	15064	82407	96515	25515	00504	762//	87706	/////	0//15	11622	30000	04703

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. 8

All times of

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42240

Date of Issue SATURDAY 16 JULY 1977

OBSERVATIONS at 12h. 15 JULY 1977

Code FM 11.V

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	53507	84031	24816	41601	05801	84837		
Hurn	862	43404	80020	24917	41501	07701	84825		
Manston	797	70107	87032	23815	784//	09104	82818	84645	
Gatwick	776	70106	81021	24716	786//	05103	83836	86656	
Kew	775	63505	82021	24915	686//	03101	83840	85650	
Heathrow	772	60105	81011	24716	68601	05000	82840	85650	
Honington	586	83408	84028	24214	886//	05205	81830	88650	
Wattisham	590								
Gorleston	497	80119	66022	23913	885//	08206	83820	88630	
Aberporth	502	73303	70021	24416	32531	09802	83828	86075	
Filton	628	60409	75031	24817	11501	06803	81828	86078	
Rhoose	715	41507	67011	24917	12501	06801	81820	84075	
Hartland Point	703	60000	66011	25217	00901	11105	86075		
Mount Batten	827	52011	75021	25016	48601	12002	82830	84638	
St. Mawgan	817	42905	80030	24917	48500	08102	82825	83635	
Scilly	804	21605	60010	25717	22502	14004	82820		
Culdrose	809	41408	70050	25218	31561	08105	83820	84072	
Guernsey	894	10508	83020	25015	12402	11205	81818		
Elmdon	534	51403	75031	24617	51601	05807	85838		
Cardington	559	60306	80011	24816	686//	08801	84830	84650	
Wittering	462	63003	84021	24716	686//	05400	85830		
Watnall	354	63303	72011	24515	686//	06703	82830	86650	
Shawbury	414	52303	75021	24118	21601	10707	82835	85075	
Finningley	360	60107	83031	24316	686//	06604	85830		
Spurn Point	396	60308	80012	24815	685//	08500	82820	86630	
Leeming	257	60602	80031	24216	58602	07810	84830	83075	
Tynemouth	262	70207	81021	24913	756//	07603	87635		
Carlisle	222	62706	83031	23718	22604	10707	82832	86080	
Valley	302	62114	75031	24116	685/1	11704	81825	86650	
Ringway	334	31502	75021	24117	31601	07708	83835		
Squires Gate	318	62406	80031	24018	11631	08710	81835	86075	
Ronaldsway	204	71908	70030	23916	38502	11603	81822	83657	86075
Mull of Galloway	131	52114	64011	23517	12530	11705	81825	85360	
Eskdalemuir	162	31907	88021	23117	31600	05610	83830		
Prestwick	135	33006	80031	22717	18632	08711	81835		
Abbotsinch	140	52307	80031	22518	51601	10714	85838		
Leuchars	171	51010	80012	23415	55500	07710	82625	84640	
Dyce	091	51105	89021	23114	38642	05708	82830	83075	
Lerwick	005	40706	86011	23212	45600	05808	84635		
Wick	075	71608	89021	23212	21502	06707	82825	87075	
Sule Skerry	010	81412	84022	23114	00907	08707	88275		
Cape Wrath	049	41406	84020	21812	11601	10710	81830	84075	
Stornoway	026	71711	82032	21215	11502	10709	81825	86080	
Benbecula	022	71515	72012	20017	35432	12713	81616	83622	87070
Tiree	100	71717	70032	21215	755//	12707	82620	86630	
Aldergrove	917	71708	65022	22317	754//	12707	83618	87650	
Malin	980	82713	70052	21317	4647/	13301	82715	84640	88460
Belmullet	976	72014	78022	21216	764//	12805	82718	84720	86640
Birr	965	81906	58055	22618	885//	13803	85820	88636	
Dublin	969	71405	61102	22517	754//	12804	83717	85628	86640
Shannon	962	72505	58102	22220	6853/	13706	84823	84645	
Roches Point	952	61913	40052	23519	18401	14000	81812	86072	
Valentia	953	82311	60052	23117	885//	13000	86822	88640	

OBSERVATIONS at 18h. 15 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	30504	84021	23617	21602	06704	82840		
Hurn	862	32110	70011	24316	38601	10502	81838	83640	
Manston	797	71205	84022	24114	784//	09502	81818	87645	
Gatwick	776	51603	81012	23917	54600	07706	81845	85656	
Kew	775	60000	80022	24117	686/1	04806	81845	86650	
Heathrow	772	53103	81021	23718	34601	06608	81845	83650	
Honington	586	50803	83022	23416	58600	05605	84835		
Wattisham	590								
Gorleston	497	20212	66011	23913	22500	08400	82825		
Aberporth	502	62907	70012	23516	18602	13608	81830	85075	
Filton	628	42909	72011	23617	48601	09603	81830	83657	
Rhoose	715	52708	70011	23918	00901	08604	85075		
Hartland Point	703	52910	66052	24917	12501	14101	81825	85075	
Mount Batten	827	52211	66052	25115	11401	12801	81818	85078	
St. Mawgan	817	12709	80011	25017	18500	14101	81820		
Scilly	804	12305	60020	25817	00901	13802	81080		
Culdrose	809	22408	70050	25215	11501	09802	81820		
Guernsey	894	10107	81010	24914	00901	09602	81080		
Elmdon	534	51506	72012	23218	21601	07608	82840	83080	
Cardington	559	51702	81012	23717	35602	10607	83640	85080	
Wittering	462	33405	82021	23318	11601	07608	81845	83075	
Watnall	354	22105	75011	22919	28601	07606	81835		
Shawbury	414	61906	67031	22019	686//	13708	83835	85645	
Finningley	360	41204	70021	22418	11601	08610	81840	83075	
Spurn Point	396	20906	80011	24114	11501	08707	81820		
Leeming	257	31609	82011	22119	38601	09609	81830	83645	
Tynemouth	262	31410	81021	22713	00901	08713	83075		
Carlisle	222	62807	81021	21618	48631	09612	81835	84650	85080
Valley	302	81912	80022	23115	857//	11707	88650		
Ringway	334	71904	70031	22219	757//	07609	87650		
Squires Gate	318	62607	75031	22717	35731	10606	83656	84359	
Ronaldsway	204	81907	68012	22214	6547/	11707	81715	85650	88459
Mull of Galloway	131	82115	60031	21214	855//	11713	88620		
Eskdalemuir	162	52010	80031	21417	28632	09504	81830	83364	
Prestwick	135	82908	72032	20617	886//	07708	81832	83650	88657
Abbotsinch	140	83006	75021	20616	7562/	09707	82638	87656	
Leuchars	171	51411	75031	20414	15732	08713	81650	83365	
Dyce	091	31511	86011	20414	10932	06713	81365		
Lerwick	005	70605	86021	21811	756//	05808	82635	87645	
Wick	075	41411	83011	20712	00902	06611	84075		
Sule Skerry	010	71416	82022	19612	1253/	08719	81820	87360	
Cape Wrath	049	71406	84031	19112	45601	05717	84630	87075	
Stornoway	026	81913	65212	17913	855//	12817	84625	88635	
Benbecula	022	82106	58206	17413	852//	13713	82705	85709	88625
Tiree	100	61713	64056	18815	15482	13814	81615	83359	
Aldergrove	917	81807	50256	20216	857//	14711	88650		
Malin	980	80000	58646	19214	7547/	13712	82716	86640	88460
Belmullet	976	62514	80036	21115	5843/	12302	81717	85820	
Birr	965	82507	60052	21617	885//	11701	83820	87636	
Dublin	969	82312	61216	21118	864//	13608	85717	87628	
Shannon	962	72813	80038	22817	785//	13304	82825	87645	
Roches Point	952	71914	56052	23117	6541	13803	81718	86646	
Valentia	953	82809	58608	23515	7622/	14400	87705	88459	

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00190	141 +		+
Hurn	862	00190	109 +		+
Manston	797	00160	023 +		+
Gatwick	776	00170	064 +		+
Kew	775	00180	079 +		+
Heathrow	772	00190	085 +		+
Honington	586	97170	031 pr.		+
Wattisham	590				
Gorleston	497		036		
Aberporth	502	00170	108 +		+
Filton	628	00200	122 +		+
Rhoose	715	00190	144 +		+
Hartland Point	703	00180	131		
Mount Batten	827	00170	124 +		+
St. Mawgan	817	00190	111 +		+
Scilly	804	00190	131 +		+
Culdrose	809	00180	136 +		+
Guernsey	894	00161	131 +		+
Elmdon	534	00190	128 +		+
Cardington	559	00180	110 +		+
Wittering	462	00180	107 +		+
Watnall	354	00190	111 +		+
Shawbury	414	00210	124 +		+
Finningley	360	00190	130 +		+
Spurn Point	396		+		+
Leeming	257	00190	106 +		+
Tynemouth	262	00140	082 +		+
Carlisle	222	00200	099 +		+
Valley	302	00180	074 +		+
Ringway	334	00200	102 +		+
Squires Gate	318	00200	126 +		+
Ronaldsway	204	97170	078 +		r.
Mull of Galloway	131	92171			
Eskdalemuir	162	00190	088 +		+
Prestwick	135	92191	073 +		ir.
Abbotsinch	140	97200	069 +		ir.
Leuchars	171	00170	064 +		+
Dyce	091	00170	138 +		+
Lerwick	005	00130	054 +		+
Wick	075	00130	148 +		+
Sule Skerry	010	00150			
Cape Wrath	049	00150	113 +		+
Stornoway	026	97160	105 +		r.
Benbecula	022	93181	067 +		d.r.id.
Tiree	100	97170	060 r.		id.
Aldergrove	917	02191	004 +		r.pr.pr
Malin	980	0218	020		
Belmullet	976	9318	064		
Birr	965	9720	003		
Dublin	969	9718	001		
Shannon	962	9720	010		
Roches Point	952	0019	088		
Valentia	953	9719	033		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	15121	81914	96636	17011	8042/	00728	88513	/////	00212	11078	30806	/////
L	99571	70195	15124	73015	98018	16812	784//	00109	83818	86630	0//08	11351	30303	27005
M	99654	10028	15124	73108	98022	23109	75500	00502	87625	/////	0//04	11093	30201	36703
R	99468	70168	15124	23514	98015	27415	25600	00209	82640	/////	0//13	11636	30503	/////

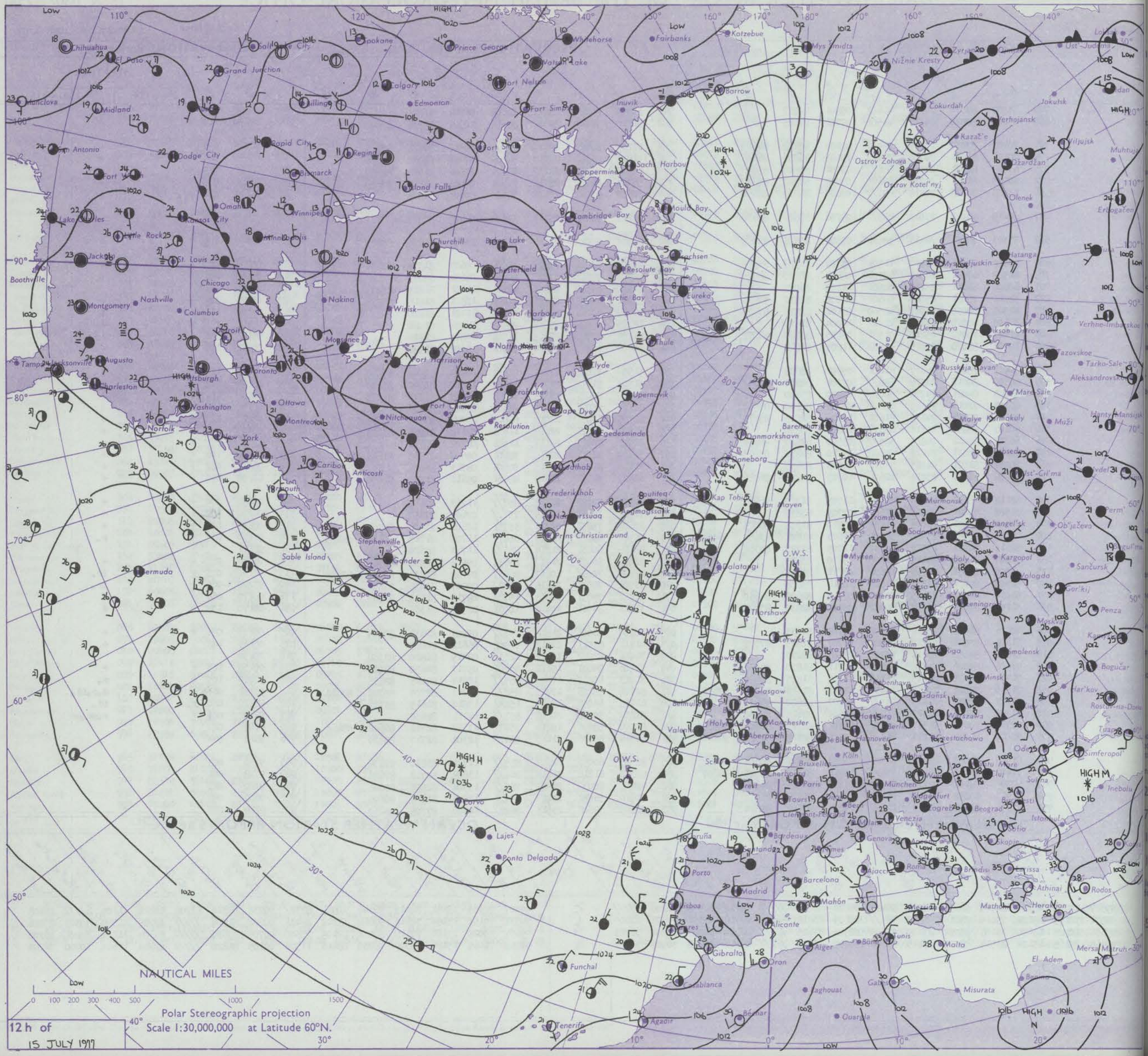
OCEAN WEATHER STATION REPORTS at 18h.

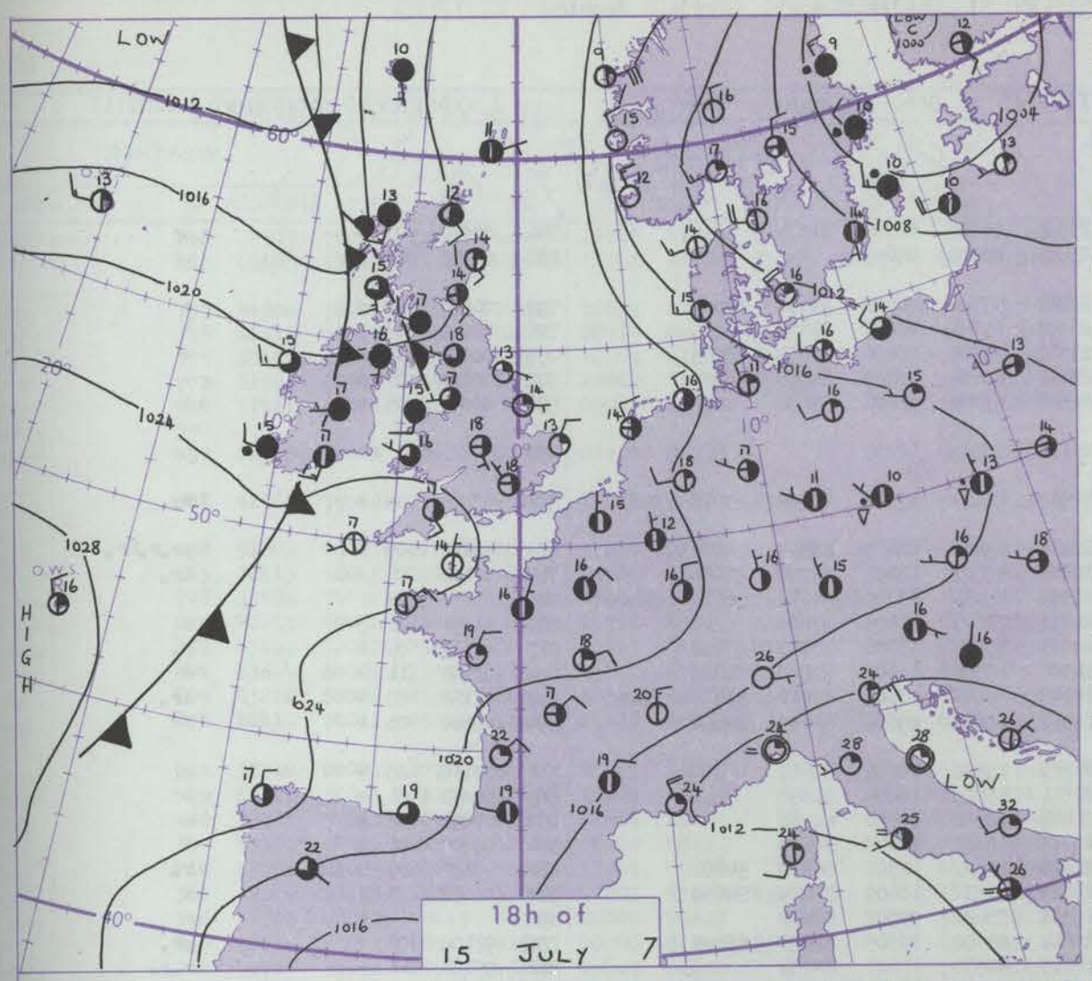
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	15181	82013	96646	10911	8732/	00732	87512	81708	00212	11109	3////	21408
L	99571	70193	15184	32615	98018	17212	28431	00602	81816	/////	0//09	11368	30303	25006
M	99654	10029	15184	73107	98022	22109	75500	00708	87630	/////	0//04	11156	30201	36702
R	99468	70169	15184	33309	98030	28416	11502	00105	81820	/////	0//14	11665	30000	32703

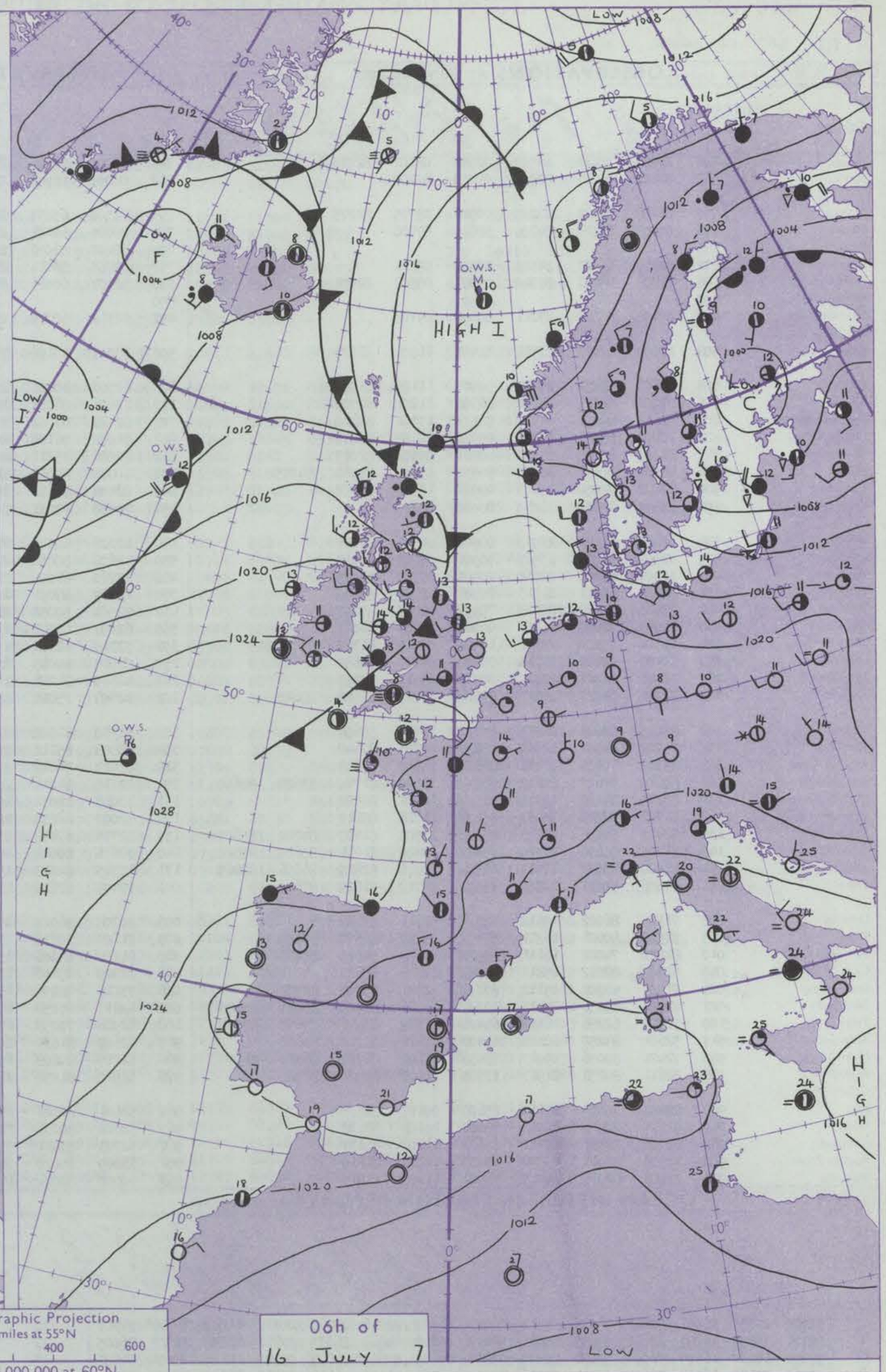
Met.O. 5

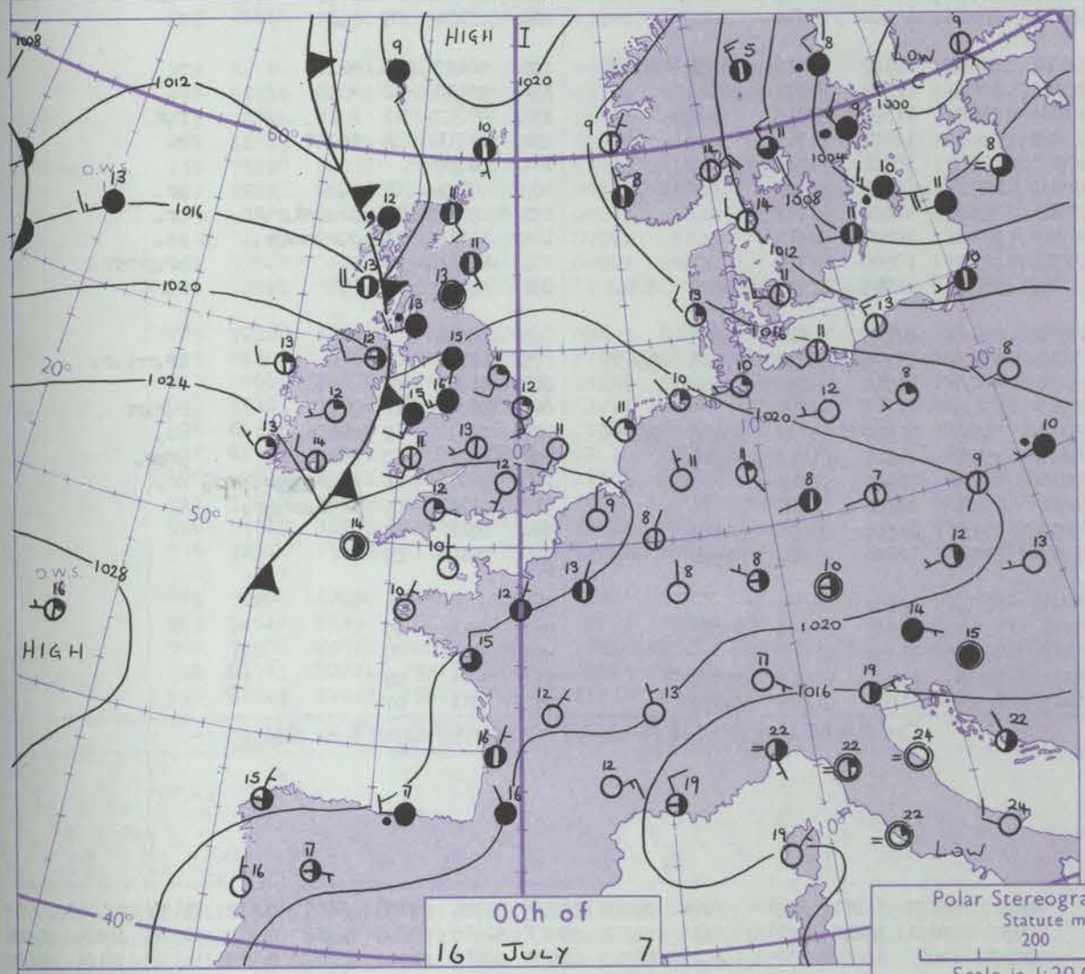
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

06h of
16 JULY 7

Issued at midday SATURDAY 16 JULY 1977

GENERAL SYNOPTIC DEVELOPMENT

A frontal trough has moved eastwards across northern and some western areas of the British Isles while a high over England has declined. A low near west Iceland has been slow-moving but filling and a ridge of high pressure has persisted from an anticyclone near the Azores towards Biscay. A depression south of Greenland has made steady progress eastwards to mid-Atlantic. During the next 24 hours the frontal trough over the British Isles will continue to move eastwards and clear all areas. Frontal troughs associated with the Atlantic low will cross western districts as the low approaches Northern Ireland.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE *(contd.)*

Code FM 11.V — OBSERVATIONS at 00h. 16 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	21905	58101	24509	00901	08101	82075		
Hurn	862	01602	58021	24908	00900	07400			
Manston	797	22107	81031	24209	00901	08705	82075		
Gatwick	776	02204	66021	24708	00900	07500			
Kew	775								
Heathrow	772	02104	66021	24312	00900	09301			
Honington	586	21806	65111	22910	00902	08808	82078		
Wattisham	590								
Gorleston	497	02108	66020	23211	00900	09708			
Aberporth	502	12009	62011	23711	00901	11801	81075		
Filton	628	12607	58051	24213	00901	11102	81078		
Rhoose	715	22904	59021	24212	26300	11201	82709		
Hartland Point	703	52612	64051	24714	525//	13301	85820		
Mount Batten	827	10000	65021	25312	00901	11102	81075		
St. Mawgan	817	21805	60020	25511	00901	09301	82075		
Scilly	804	40000	60031	26114	30932	13301	83360	84075	
Culdrose	809	32802	70050	25613	00901	10500	83070		
Guernsey	894	03605	80010	26010	00900	08205			
Elmdon	534	12405	61041	22913	00901	08602	81080		
Cardington	559	32507	65031	23507	00901	07703	83078		
Wittering	462	32307	68021	22710	00901	07707	83075		
Watnall	354	52306	65011	21913	00901	08707	85080		
Shawbury	414	72406	65032	22213	758//	11803	87657		
Finningley	360	11902	72020	21410	00902	08807	81075		
Spurn Point	396	21714	75020	22112	10971	09713	81360		
Leeming	257	31408	70020	21111	35700	09710	83650		
Tynemouth	262	72006	66021	20712	7093/	09711	87359		
Carlisle	222	81902	63022	19515	855//	10716	86626	88645	
Valley	302	82115	60022	21815	857//	12707	88656		
Ringway	334	71902	64022	22014	756//	10703	87640		
Squires Gate	318	82315	70021	21216	856//	11710	88643		
Ronaldsway	204	82610	45622	20215	853//	13809	81709	83624	88650
Mull of Galloway	131	83215	74286	19813	865//	12501	88720		
Eskdalemuir	162	81702	58212	19412	854//	11718	88617		
Prestwick	135	82413	56656	18813	853//	13508	81707	84712	85620
Abbotsinch	140	81705	50636	17314	7542/	12820	81711	85616	87622
Leuchars	171	80000	65032	17913	6857/	10816	82825	86656	88465
Dyce	091	71606	70011	17811	755//	09718	81625	87640	
Lerwick	005	71705	86022	19610	755//	06711	87628		
Wick	075	71512	80021	16811	6577/	08723	86650	87359	
Sule Skerry	010	81420	74022	16111	4557/	10718	84625	88460	
Cape Wrath	049	62309	80012	15813	6557/	12716	85620		
Stornoway	026	81907	40502	15112	872//	12711	85704	88708	
Benbecula	022	71706	65256	14413	783//	13718	82709	85814	87625
Tiree	100	72719	62256	16413	684/2	11509	82816	85635	87070
Aldergrove	917	52609	84259	20412	48402	10110	81712	83642	
Malin	980	72421	80036	19013	7343/	11101	81717	86820	81920
Belmullet	976	32611	80258	21913	33500	11107	83920	82920	
Birr	965	22404	70035	23112	25600	09107	82635		
Dublin	969	52610	70016	21813	55600	10106	85632		
Shannon	962	62706	82031	23712	656//	11107	86637		
Roches Point	952	12909	70011	23814	12400	11204	81819		
Valentia	953	23003	82016	24813	12402	11105	81819		

OBSERVATIONS at 06h. 16 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	10000	22281	23308	00901	08707	81075		
Hurn	862	00000	12281	23808	00900	08605			
Manston	797	72509	65031	22911	457/1	08607	84656	84078	
Gatwick	776	20000	62101	23509	15701	08605	81650		
Kew	775	52402	56051	23312	35701	09606	83650	83075	
Heathrow	772	62705	56011	23111	68601	10705	81845	86650	
Honington	586	52307	60011	21511	55700	08606	85656		
Wattisham	590								
Gorleston	497	02310	60010	21113	00900	07708			
Aberporth	502	83007	40106	22913	882//	13502	83704	83812	88620
Filton	628	62506	40051	23113	48432	11605	83817	84075	
Rhoose	715	72606	56031	22614	753//	12607	82709	87650	
Hartland Point	703	82418	64052	22914	6543/	13709	84712	86630	88360
Mount Batten	827	71002	56101	24211	756//	10605	87640		
St. Mawgan	817	72006	35211	24013	754//	13706	83710	87650	
Scilly	804	40000	71011	24714	48500	13607	81820	84625	
Culdrose	809	82408	56601	24114	5542/	13605	83714	83645	88462
Guernsey	894	70000	70031	24812	65632	09605	82635	84645	
Elmdon	534	12208	60040	21812	15800	10706	81657		
Cardington	559	12606	50051	22511	15700	10604	81650		
Wittering	462	52710	61051	21411	40931	09706	84362		
Watnall	354	12309	48051	20712	15701	10608	81650		
Shawbury	414	72504	50052	21013	786//	12504	84830	84656	
Finningley	360	62208	61011	19613	4853/	10609	81825	84650	
Spurn Point	396	72310	62031	19913	756//	09507	87630		
Leeming	257	52914	89018	18614	58400	09505	81818	85645	
Tynemouth	262	42815	81016	17613	40970	11607	84358		
Carlisle	222	22508	75026	18613	28400	11002	81714		
Valley	302	52810	81022	22114	38401	10102	81816	83656	85075
Ringway	334	72808	65212	20914	5843/	12502	81712	85622	
Squires Gate	318	62914	80016	20714	58401	11304	83810		
Ronaldsway	204	22710	84016	20813	18401	10301	81713		
Mull of Galloway	131	33015	82031	19912	12550	10701	81825	83360	
Eskdalemuir	162	62007	62256	18011	683//	09801	85708		
Prestwick	135	32716	67258	17912	38400	11602	81712		
Abbotsinch	140	32611	80018	16913	38400	10704	82818		
Leuchars	171	12315	84018	15012	18382	10609	81708		
Dyce	091	72404	62616	13212	7547/	11715	82715	86640	87460
Lerwick	005	80708	86022	15910	854//	07713	84618	88628	
Wick	075	81102	30636	13011	853//	11710	84709	87715	88635
Sule Skerry	010	81404	58606	13211	874//	11710	88715		
Cape Wrath	049	82309	28616	12911	874//	11711	88717		
Stornoway	026	73116	58256	13312	783//	11500	83707	83815	86635
Benbecula	022	42817	75258	15613	32432	11311	81710	83816	
Tiree	100	42916	70258	17412	38402	10306	82818		
Aldergrove	917	42609	81031	20511	48401	09102	82712		
Malin	980	72717	80808	19412	735//	11304	87820	82920	
Belmullet	976	52510	81258	21713	535//	10400	85920	83920	
Birr	965	52601	80021	23211	00902	09202	85070		
Dublin	969	52612	80031	22211	12501	09305	81820	85075	
Shannon	962	32703	83011	23412	18502	11703	81820		
Roches Point	952	33009	75020	24111	18401	10301	81819	83072	
Valentia	953	40000	82011	24413	12502	11501	81822	84070	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_hE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00070	03 +		f
Hurn	862	00070	04 +		if
Manston	797	00080	05 +		+
Gatwick	776	00060	02 +		+
Kew	775	00090	02 +		+
Heathrow	772	00100	07 +		+
Honington	586	00090	05 +		+
Wattisham	590				
Gorleston	497				
Aberporth	502	97110	09 +		r.
Filton	628	96121	09 +		pr.r.Rr.
Rhoose	715	97110	06 +		ir.
Hartland Point	703	00130	12		
Mount Batten	827	91091	06 jf		r
St. Mawgan	817	97111	06 +		r.
Scilly	804	00140	11 +		+
Culdrose	809	97121	08 +		ir.
Guernsey	894	00100	03 +		+
Elmdon	534	00110	05 +		+
Cardington	559	00070	01 +		+
Wittering	462	00090	07 +		+
Watnall	354	00100	06 +		+
Shawbury	414	97120	07 +		r.
Finningley	360	00080	03 +		+
Spurn Point	396		+		+
Leeming	257	97100	08 +		pr.
Tynemouth	262	95121	11 +		r.r.
Carlisle	222	03121	09 r.R		+
Valley	302	00120	10 +		+
Ringway	334	97130	12 +		r.
Squires Gate	318	97140	12 +		r.r
Ronaldsway	204	03111	08 ir.rR		+
Mull of Galloway	131	04100			
Eskdalemuir	162	07101	07 r.rR		pr.
Prestwick	135	09121	11 ir.ird.r.RR		pr.
Abbotsinch	140	11111	09 d.r.rrRpr.		pr.
Leuchars	171	05111	10 +		pr.prrrr.
Dyce	091	08111	09 r.		r.rR
Lerwick	005	00090	07 +		+
Wick	075	04112	09 +		ir.rrr.r.
Sule Skerry	010	01092	09		
Cape Wrath	049	06092	11 1D		r.r.rr
Stornoway	026	05131	12 rrr.r.		pr.
Benbecula	022	05121	10 rpr.		prpr.
Tiree	100	94111	10 1d.r.[illegible]r.prpr.		pr.
Aldergrove	917	03111	09 pRtl.rr.pr.		+
Malin	980	0512	10		
Belmullet	976	9212	09		
Birr	965	9708	04		
Dublin	969	9710	09		
Shannon	962	9709	04		
Roches Point	952	9711	08		
Valentia	953	9711	07		

Code FM 21.V — OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16001	82412	98286	09411	864//	00307	88716	/////	00212	11099	3////	///07
L	99571	70192	16004	82215	98038	15812	884//	00810	84818	88635	0//11	11398	30303	26005
M	99654	10030	16004	72004	98022	20409	75500	00609	87629	/////	0//05	11144	30101	34602
R	99469	70170	16004	32607	98011	29216	38500	00104	81820	/////	0//15	11650	30000	32703

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16061	82512	96284	08311	863//	00506	88708	/////	00112	11138	3////	///07
L	99571	70191	16064	82118	97618	12712	5742/	51610	85710	88518	0//12	11380	30404	26006
M	99654	10028	16064	73204	98012	18310	68570	00613	81820	86628	0//07	11151	30101	34602
R	99468	70168	16064	62311	98031	27016	45642	00710	84640	/////	0//14	11640	30702	32702

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O.8

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42241

Date of Issue SUNDAY 17 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 16 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72307	70011	22118	684/2	13808	81710	83818	
Hurn	862	62608	63011	22918	48508	12706	81720	83825	86275
Manston	797	22806	72021	21320	22600	10811	82840		
Gatwick	776	42711	72011	21821	42600	08710	84840		
Kew	775	62605	70031	21919	686//	10709	81830	86640	
Heathrow	772	52509	62011	21720	58501	10809	81828	83835	
Honington	586	72511	65031	20119	726//	09708	87830		
Wattisham	590								
Gorleston	497	22708	64021	19620	00901	06710	82075		
Aberporth	502	62907	75012	23415	41401	11001	84815	83075	
Filton	628	52608	65028	21818	48501	13810	83825		
Rhoose	715	22813	68016	22219	28430	12804	81818		
Hartland Point	703	63404	74032	23716	22436	13203	82815	84360	86075
Mount Batten	827	62213	65056	23417	68530	15708	83825	83645	
St. Mawgan	817	43009	82011	23817	32430	12803	81710	83820	
Scilly	804	43604	80021	25519	32505	15202	83824		
Culdrose	809	63210	80026	23917	68531	13705	83820	83630	
Guernsey	894	22410	70011	25016	11402	11102	81810		
Elmdon	534	52910	80021	20719	52600	08807	85835		
Cardington	559	62906	60051	21219	626//	13806	86830		
Wittering	462	62711	70011	20719	686//	12804	85830		
Watnall	354	52811	80011	20319	42601	09000	84838		
Shawbury	414	62708	81026	20619	52641	11707	85830		
Finningley	360	52914	83031	19720	32602	08801	83845	83075	
Spurn Point	396	52815	68011	19419	54500	09000	85620		
Leeming	257	52714	89021	18519	42602	08706	84840	83080	
Tynemouth	262	42717	81021	17717	45600	09807	84630		
Carlisle	222	62414	83251	18517	62541	11802	86825		
Valley	302	62714	82031	22615	12402	09400	81818	86075	
Ringway	334	52716	82031	20817	32602	07801	83830	83075	
Squires Gate	318	72714	86011	21316	625/2	11004	86820		
Ronaldsway	204	62515	86021	20916	28542	11000	82822	86075	
Mull of Galloway	131	73210	80031	20815	785//	11105	81820	87635	
Eskdalemuir	162	62618	78028	17915	625//	07103	86825		
Prestwick	135	53014	84038	18916	38505	09103	81820	83830	
Abbotsinch	140	52918	86038	17317	48541	07001	84825		
Leuchars	171	52817	86011	14818	48630	08601	84830		
Dyce	091	82917	58816	13713	884//	12306	81712	86816	88640
Lerwick	005	70308	86022	14811	784//	08603	82818	87633	
Wick	075	81403	59586	14111	852//	11210	84703	86705	88615
Sule Skerry	010	80000	74036	14614	2747/	12209	82715	88458	
Cape Wrath	049	72303	70016	14715	784//	11211	82810	87615	
Stornoway	026	62818	75018	15916	62400	11110	86819		
Benbecula	022	42714	83011	17815	38402	12110	82817		
Tiree	100	42815	82011	19116	38432	11105	82818		
Aldergrove	917	72712	86038	20517	785//	10701	83825	85645	
Malin	980	52617	86038	19916	28532	11801	82820	83360	
Belmullet	976	72314	83021	21215	42536	11808	84820	85270	
Birr	965	72005	82038	22316	785/2	10807	81821	86637	
Dublin	969	72811	88031	21617	725/1	07803	87824	83075	
Shannon	962	72508	89021	22619	585/8	12810	83828	83645	86275
Roches Point	952	81713	82021	23317	48407	10808	84817	88270	
Valentia	953	82209	84021	23417	4251/	11710	84824	88462	

OBSERVATIONS at 18h. 16 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72407	70038	20018	12636	12606	81830	87275	
Hurn	862	72408	59052	20918	11585	14708	81828	87070	
Manston	797	22410	68020	19019	18601	11711	81840		
Gatwick	776	72412	62031	20018	786//	13608	81840	87657	
Kew	775	62505	65021	19719	55702	10608	85656		
Heathrow	772	62203	63251	19520	35702	12609	83656	86075	
Honington	586	52910	80012	18221	38602	07708	82840	83075	
Wattisham	590								
Gorleston	497	51306	58011	18517	555//	13708	85625		
Aberporth	502	82906	89032	21814	15537	10610	81620	88272	
Filton	628	72616	84031	20118	48606	10604	82836	83640	85275
Rhoose	715	82712	86031	20717	18677	10805	81830	88270	
Hartland Point	703	62906	89012	22415	12572	14808	81820	86460	
Mount Batten	827	73013	83022	21818	11578	10705	81825	85362	87275
St. Mawgan	817	62908	82021	22616	22408	11708	82815	86275	
Scilly	804	70000	80031	23817	28539	13708	81821	85360	
Culdrose	809	62707	80012	22617	11538	12707	81820	84362	
Guernsey	894	62612	76031	23215	00902	12710	86075		
Elmdon	534	73409	82022	19418	18646	09501	81845	87275	
Cardington	559	73107	66022	18820	786//	13710	84840	85656	
Wittering	462	53410	82011	18819	28602	09606	81840	83075	
Watnall	354	33007	82021	19318	11602	07706	81845		
Shawbury	414	63309	83022	19518	28642	11605	82835	86072	
Finningley	360	32911	86021	18719	24632	08606	82845		
Spurn Point	396	42812	75031	18618	38541	09502	81825	83635	
Leeming	257	42614	82011	18017	32602	08400	83840		
Tynemouth	262	52814	81021	17119	22601	06601	82830	85075	
Carlisle	222	62610	86012	17718	48601	08702	82830	83078	
Valley	302	52214	82021	20716	15642	10608	81640	85075	
Ringway	334	32711	84021	19917	21601	07604	82835		
Squires Gate	318	52710	85012	19917	28501	11709	81820	85075	
Ronaldsway	204	72208	82022	19614	784//	11707	81818	84640	86656
Mull of Galloway	131	60000	85022	19515	685//	10705	81825	85635	
Eskdalemuir	162	52715	88011	17615	38601	05601	82830	84075	
Prestwick	135	63110	88022	18516	38631	09804	81830	85075	
Abbotsinch	140	73112	86021	17817	38534	07500	81828	83645	85078
Leuchars	171	72812	86022	15917	786//	07105	81840	87650	
Dyce	091	73111	75258	15315	784//	10209	81715	83818	85630
Lerwick	005	70206	84022	14911	784//	08202	81818	87633	
Wick	075	73120	72256	15312	6843/	11204	81712	84818	85630
Sule Skerry	010	83206	64505	15313	874//	12101	88715		
Cape Wrath	049	72709	75016	16112	756//	11211	87630		
Stornoway	026	52710	82022	16115	48502	09704	84822		
Benbecula	022	72010	82021	16614	38432	12709	81816	83640	86360
Tiree	100	72311	83031	17815	785//	12710	83820	87647	
Aldergrove	917	72807	70802	18915	6857/	11710	84822	85634	87458
Malin	980	62811	86032	18115	38532	11715	82820	83360	
Belmullet	976	81913	75606	17815	7647/	12722	85719	85640	88459
Birr	965	81201	84028	19516	5857/	12714	81822	87460	
Dublin	969	82406	84022	19017	4857/	09712	82820	84630	87460
Shannon	962	82608	82608	19915	854//	12714	82718	83638	88656
Roches Point	952	82115	82022	21216	784/7	11707	81816	87643	88270
Valentia	953	81710	83026	19516	2257/	12727	82822	88460	

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	97210	066	pr$_0$	+
Hurn	862	00200	078	+	+
Manston	797	00210	091	+	+
Gatwick	776	00210	080	+	+
Kew	775	00210	076	+	+
Heathrow	772	97230	046	+	pr$_0$
Honington	586	00220	091	+	+
Wattisham	590				
Gorleston	497		050		
Aberporth	502	00150	052	+	+
Filton	628	97210	075	r$_0$	+
Rhoose	715	00200	091	+	+
Hartland Point	703	00180	073		
Mount Batten	827	00190	037	+	+
St. Mawgan	817	00180	091	+	+
Scilly	804	00200	074	+	+
Culdrose	809	00180	058	+	+
Guernsey	894	00170	108	+	+
Elmdon	534	00220	089	+	+
Cardington	559	00220	098	+	+
Wittering	462	00220	104	+	+
Watnall	354	00200	125	+	+
Shawbury	414	00210	078	+	+
Finningley	360	00210	124	+	+
Spurn Point	396	/////		+	+
Leeming	257	00200	117	+	+
Tynemouth	262	00200	120	+	+
Carlisle	222	97200	118	pr$_0$	+
Valley	302	00170	122	+	+
Ringway	334	00180	125	+	+
Squires Gate	318	00170	125	+	+
Ronaldsway	204	00180	098	+	+
Mull of Galloway	131	00180			
Eskdalemuir	162	97170	096	pr$_0$	+
Prestwick	135	00181	119	+	+
Abbotsinch	140	00181	131	+	+
Leuchars	171	00190	096	+	+
Dyce	091	03161	004	r$_0$pr$_0$prpR	pr$_0$r$_0$r$_0$
Lerwick	005	00120	000	+	+
Wick	075	01131	002	r$_0$r$_0$d$_0$r$_0$id$_0$	pr
Sule Skerry	010	97151			
Cape Wrath	049	95151	012	rrir$_0$if	ir$_0$
Stornoway	026	97171	081	+	pr$_0$
Benbecula	022	00161	106	+	+
Tiree	100	00170	103	+	jp
Aldergrove	917	93191	065	pr$_0$	pr$_0$
Malin	980	9717	095		
Belmullet	976	9716	026		
Birr	965	9717	040		
Dublin	969	0019	072		
Shannon	962	9120	040		
Roches Point	952	0018	047		
Valentia	953	9117	018		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

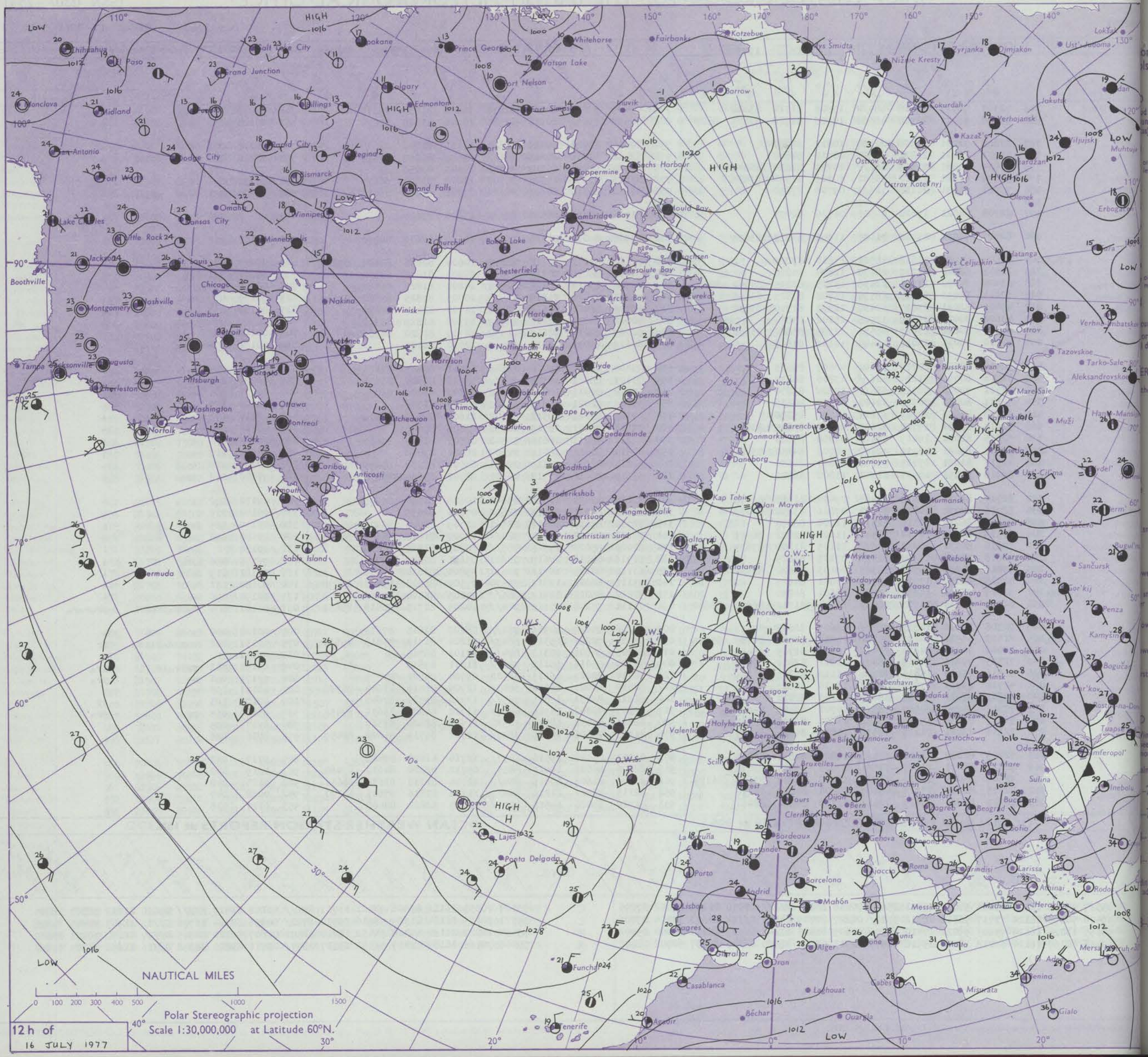
O.W.S.	$99L_aL_aL_a$	$Q_dL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16121	83006	98026	11311	855//	00218	88621	/////	00010	11135	30402	27206
L	99570	70193	16124	71717	96616	08712	5532/	00827	82709	84625	0//12	11353	30404	27006
M	99655	10028	16124	73603	99022	17410	38570	00605	81825	83645	0//07	11173	30000	29902
R	99468	70169	16124	62218	98012	25716	12540	00713	81826	86360	0//15	11657	30702	28802

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_dL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16181	82906	98022	13711	855//	00208	88627	/////	05210	11212	30302	28005
L	99571	70193	16184	81729	96616	98912	6722/	00856	82704	86706	0//12	11343	30505	21006
M	99654	10027	16184	60408	99032	16210	58572	00607	82820	84645	0//07	11192	30101	28802
R	99468	70166	16184	72417	98032	23317	2857/	00711	81820	86358	0//16	11650	30703	18802

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of 16th JULY 1977

00h of 17th JULY 1977

06h of 17th JULY 1977

Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

Issued at midday SUNDAY 17 JULY 1977

GENERAL SYNOPTIC DEVELOPMENT

During the past 24hours a frontal trough over the British Isles moved away eastwards and was followed by a weak ridge of high pressure which in turn was replaced by a strengthening southerly gradient. During the next 24 hours a depression is expected to moved eastwards over Scotland whilst the associated frontal system moves east over all districts.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE *(contd.)*

Code FM 11.V

OBSERVATIONS at 00h. 17 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72705	80022	19811	35632	09708	83640	87075	
Hurn	862	62703	81032	20313	15770	10805	81650	86359	
Manston	797	72607	60021	18514	25778	13806	82656	84364	87272
Gatwick	776	62505	60012	19213	10972	13808	81359	86075	
Kew	775								
Heathrow	772	72805	70012	19215	10938	11802	81360	86275	
Honington	586	62602	80012	18312	15702	07806	81650	86078	
Wattisham	590								
Gorleston	497	32705	60011	18215	35600	10705	83630		
Aberporth	502	81906	84032	19312	8097/	11816	88360		
Filton	628	82708	80022	19615	8097/	11706	82359	88462	
Rhoose	715	72805	81012	19713	15738	11809	81650	85359	87275
Hartland Point	703	82505	89022	20614	3541/	12810	81710	83640	88460
Mount Batten	827	70802	80022	20814	1577/	12712	81650	84360	87462
St. Mawgan	817	72004	82032	20913	7097/	12713	87460		
Scilly	804	82203	80022	21814	884//	13714	84818	88628	
Culdrose	809	82205	70022	21314	4842/	12712	82818	83630	88459
Guernsey	894	52608	57102	22413	26102	13706	82702	84075	
Elmdon	534	80000	75032	19211	50977	08807	83362	84468	88270
Cardington	559	43102	66011	19112	45600	12803	84644		
Wittering	462	32907	80011	18612	15701	08809	81650	83075	
Watnall	354	22805	62021	18711	00902	07711	82080		
Shawbury	414	62505	75022	19111	25708	10803	82650	86270	
Finningley	360	23202	75020	18111	10942	09707	81363		
Spurn Point	396	02812	70010	17914	00900	10605			
Leeming	257	32609	80030	17912	15601	09802	81640	83075	
Tynemouth	262	32608	80021	17513	30930	09802	83358		
Carlisle	222	72104	75022	17412	15632	11805	81645	87075	
Valley	302	82111	65212	18214	856//	11713	88630		
Ringway	334	21802	80020	18912	10941	08808	81360		
Squires Gate	318	72412	84012	18015	756//	11813	83635	87656	
Ronaldsway	204	82705	81602	17113	856//	12711	83640	88650	
Mull of Galloway	131	82108	80612	16913	875//	12715	88725		
Eskdalemuir	162	53102	70021	18205	00902	03000	85075		
Prestwick	135	71304	82031	16711	15456	09810	81615	84362	85270
Abbotsinch	140	72502	82022	16410	15636	09708	81635	87072	
Leuchars	171	72305	86032	15911	556/2	08704	85645	86075	
Dyce	091	72402	84028	15412	3577/	10805	83656	86358	
Lerwick	005	73605	86022	14309	754//	07704	83619	87630	
Wick	075	73207	80032	14711	5563/	10706	85640	86360	
Sule Skerry	010	30000	74015	14811	35500	10707	83625		
Cape Wrath	049	32303	75021	15010	35600	09608	83630		
Stornoway	026	72010	75028	14213	755//	10712	83622	87645	
Benbecula	022	71710	82022	13612	12436	11718	81816	84362	87270
Tiree	100	81715	70606	14713	6547/	12819	82710	86629	88460
Aldergrove	917	81406	70608	16012	4567/	09722	84640	88459	
Malin	980	81407	70606	14512	3647/	11825	83716	88459	
Belmullet	976	81310	70606	11513	6647/	10738	84717	85638	88458
Birr	965	81607	70026	15712	864//	11829	85715	88633	
Dublin	969	81602	70606	16613	3557/	12718	83625	88462	
Shannon	962	81612	65606	14614	856//	12830	83640	88656	
Roches Point	952	81817	75606	16715	5742/	12728	82713	84720	88458
Valentia	953	81817	70616	13815	864//	14734	88712		

OBSERVATIONS at 06h. 17 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72304	84021	18311	1562/	11802	81640	87460	
Hurn	862	82505	81032	18813	1577/	11801	81656	86362	88466
Manston	797	72307	57052	17314	45772	12702	84656	83362	
Gatwick	776	72305	65032	18112	5577/	11602	85656	87359	
Kew	775	72101	78022	17914	7097/	10603	85365	87468	
Heathrow	772	82403	75032	17713	25777	11803	82656	85359	88270
Honington	586	72502	80022	17112	25778	08706	82650	85359	87278
Wattisham	590								
Gorleston	497	52806	66031	16912	50970	09704	85360		
Aberporth	502	81911	80212	15213	4542/	12722	81712	84650	88460
Filton	628	82407	75022	17414	18577	11706	81820	84465	88275
Rhoose	715	82205	81022	17214	25477	11712	81712	86362	88275
Hartland Point	703	82314	89032	17014	2867/	13717	81830	88460	
Mount Batten	827	72113	65022	18415	5737/	14712	82708	83712	87362
St. Mawgan	817	81810	62022	17614	2647/	13715	82712	85359	88462
Scilly	804	82313	80022	17915	2857/	13718	81822	88460	
Culdrose	809	82211	70032	17815	4842/	13615	81712	83645	88460
Guernsey	894	82211	15284	20314	860//	14704	87700		
Elmdon	534	82406	68036	16913	8097/	09608	86362	88466	
Cardington	559	82002	64031	17312	8097/	12708	84360	88463	
Wittering	462	70000	80031	17011	2567/	09706	82645	83360	87462
Watnall	354	82202	70031	16811	3567/	08707	83630	88362	
Shawbury	414	72007	80012	15813	25678	10715	82630	86359	87463
Finningley	360	82006	70031	16011	15677	09609	81640	87362	88275
Spurn Point	396	62402	58031	16313	6097/	11708	86360		
Leeming	257	71407	65616	15511	756//	10710	87640		
Tynemouth	262	72307	69021	15111	7097/	09711	87458		
Carlisle	222	81504	81616	13912	6547/	12715	81714	85648	88462
Valley	302	81716	75602	13715	4842/	11721	83816	88460	
Ringway	334	81707	75026	15913	8097/	09713	88459		
Squires Gate	318	71509	70016	14613	28532	11718	81820	83359	87070
Ronaldsway	204	71813	80036	12813	5627/	12722	81704	84714	86359
Mull of Galloway	131	82115	80026	12113	885//	12724	83825	88630	
Eskdalemuir	162	80000	58636	14207	863//	07717	88706		
Prestwick	135	81105	70606	12111	5557/	11725	82628	85645	88359
Abbotsinch	140	80906	70616	12112	7542/	10820	81710	85616	86640
Leuchars	171	72503	81022	12911	35732	08716	83650	84360	86075
Dyce	091	60000	86022	12812	38578	10713	81820	83630	86075
Lerwick	005	70207	84022	12509	754//	07709	87617		
Wick	075	40000	84011	11909	11502	08715	81820	84075	
Sule Skerry	010	70000	82031	11811	38502	09715	82820	87075	
Cape Wrath	049	41406	80011	11412	35670	10715	83630	84360	
Stornoway	026	71714	75022	09714	7537/	10725	81709	86625	
Benbecula	022	81416	74616	08012	5532/	11730	83707	84615	88460
Tiree	100	71521	75606	08813	6547/	11732	82712	85628	87462
Aldergrove	917	81410	70616	10213	2537/	11731	81708	85359	88462
Malin	980	81518	75606	07413	7547/	10737	82716	87638	88458
Belmullet	976	81720	64586	03314	6647/	14738	85716	86638	88459
Birr	965	81610	62616	08513	5742/	12735	85712	88458	
Dublin	969	81511	59616	10613	5537/	12732	82709	83640	88460
Shannon	962	81716	59635	06814	853//	13843	81706	83713	88635
Roches Point	952	81821	40586	10214	872//	13829	85705	88710	
Valentia	953	82218	30516	07516	862//	15630	88703		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00110	05	+	+
Hurn	862	00120	09	+	+
Manston	797	00130	11	+	+
Gatwick	776	00100	07	+	+
Kew	775	00130	08	+	+
Heathrow	772	00130	11	+	+
Honington	586	97090	04	+	r_o
Wattisham	590				
Gorleston	497				
Aberporth	502	92121	11	+	ir_o
Filton	628	00130	11	+	+
Rhoose	715	00130	11	+	+
Hartland Point	703	97141	12		
Mount Batten	827	97130	11	+	ir_o
St. Mawgan	817	96131	11	+	$r_od_or_o$
Scilly	804	00140	13	+	+
Culdrose	809	92131	11	+	ir_oid_o
Guernsey	894	97130	12	FF	$ffid_o$
Elmdon	534	97110	05	+	r_o
Cardington	559	00100	09	+	+
Wittering	462	00090	06	+	+
Watnall	354	00090	05	+	+
Shawbury	414	97110	06	+	r_o
Finningley	360	97070	02	+	r_o
Spurn Point	396			+	+
Leeming	257	01091	06	+	$rr_or_oir_o$
Tynemouth	262	00110	08	+	+
Carlisle	222	94101	07	+	r_or_o
Valley	302	94131	12	ir_o	ir_oir
Ringway	334	97110	09	+	r_o
Squires Gate	318	97130	12	r_or_o	r_o
Ronaldsway	204	95121	12	r_or_o	r_o
Mull of Galloway	131	01121			
Eskdalemuir	162	03031	00	+	r_or_orR
Prestwick	135	94101	06	ir_o	$r_or_or_o$
Abbotsinch	140	01091	05	r_o	r_or_o
Leuchars	171	97091	06	+	r_or_o
Dyce	091	97101	05	r_o	+
Lerwick	005	00070	04	+	+
Wick	075	00071	02	+	+
Sule Skerry	010	97091	03		
Cape Wrath	049	00090	07	+	+
Stornoway	026	97121	10	+	r_o
Benbecula	022	02111	10	r_or_o	r_or_o
Tiree	100	96121	11	$ir_or_or_o$	ir_or_o
Aldergrove	917	03111	11	ir_o	r_or_orr
Malin	980	0212	11		
Belmullet	976	0312	11		
Birr	965	0412	11		
Dublin	969	0113	11		
Shannon	962	0914	12		
Roches Point	952	0514	12		
Valentia	953	0714	13		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	17001	82704	97515	14611	864//	00205	88712	/////	05210	11222	3//01	///05
L	99568	70189	17004	62215	97216	95212	5522/	41603	83704	84618	0//12	11373	30403	21006
M	99654	10028	17004	70209	98022	14810	78500	00809	82820	83620	0//08	11151	30201	99/02
R	99467	70170	17004	82221	97586	20317	5552/	00720	85626	87457	0//17	11650	30704	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	17061	82106	96105	13112	863//	00604	88709	/////	05012	11210	3//02	///05
L	99568	70180	17064	73028	97216	95212	763//	21307	83706	87708	0//11	11339	30605	22006
M	99655	10025	17064	73614	98212	13210	78500	00706	83820	86640	0//08	11150	30201	99/02
R	99467	70168	17063	72615	97026	18516	755//	00708	87620	/////	0//16	11658	30704	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Broo

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42242

Date of Issue MONDAY 18 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 17 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{app}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82116	84032	15716	5852/	11713	84820	88462	
Hurn	862	82215	80602	16817	5132/	12710	82708	85812	88459
Manston	797	72214	82032	16119	11658	10807	81830	86362	87272
Gatwick	776	72315	82022	16618	42638	11711	84832	87272	
Kew	775	72211	80022	16019	5261/	09814	85830	87468	
Heathrow	772	72110	84022	15819	58632	09714	84830	85075	
Honington	586	72011	82016	14220	31632	08818	83835	86075	
Wattisham	590								
Gorleston	497	51514	64012	14716	58500	12816	82825	85635	
Aberporth	502	81820	60636	10114	7732/	14726	87706	88530	
Filton	628	82216	75586	14516	5542/	13718	82712	83635	88462
Rhoose	715	82109	80606	14117	6857/	14817	82820	85645	88460
Hartland Point	703	82630	70606	13515	5532/	13718	83708	84625	88460
Mount Batten	827	82217	59056	16216	4837/	14612	81709	84630	88460
St. Mawgan	817	82117	65216	14716	6537/	14715	83709	85614	88459
Scilly	804	82220	58602	15516	854//	15713	85714	88621	
Culdrose	809	82215	60606	15715	852//	14711	82705	86710	88620
Guernsey	894	72215	58052	19116	11338	13808	81809	83360	87275
Elmdon	534	82115	80602	13517	2157/	09719	82826	84360	88363
Cardington	559	72511	75012	14820	4267/	12816	84830	87362	
Wittering	462	72314	84032	13818	4151/	10718	84828	86464	
Watnall	354	82011	70032	13017	5867/	10717	83830	83650	88464
Shawbury	414	81912	68616	11715	6547/	13722	81615	83628	86650
Finningley	360	82111	70216	12419	4857/	10720	82820	84630	86362
Spurn Point	396	71912	66032	13319	11546	09823	81820	83359	87275
Leeming	257	71812	80026	10817	45638	11726	84635	83362	87270
Tynemouth	262	71911	66022	11217	55631	11721	85630		
Carlisle	222	81507	58628	08915	5567/	13828	82630	85650	88359
Valley	302	81827	30636	07514	872//	13736	84704	88710	
Ringway	334	81815	62612	11616	3852/	13722	81820	83645	88458
Squires Gate	318	81615	60636	09915	5542/	14729	83710	84635	88459
Ronaldsway	204	81723	28652	06213	872//	13738	84703	86704	88706
Mull of Galloway	131	81930	70636	04213	8042/	12747	88515		
Eskdalemuir	162	81712	64608	08614	6847/	12624	83710	84818	85645
Prestwick	135	81712	65596	06315	7542/	13833	82616	84620	87645
Abbotsinch	140	81510	65616	06215	7842/	12732	81716	83622	86640
Leuchars	171	71407	80606	08616	3847/	11726	82816	84360	87365
Dyce	091	71508	80212	08816	25478	09718	81615	85362	87270
Lerwick	005	70905	84012	10611	755//	07710	87621		
Wick	075	71213	75021	08813	21436	11718	82812	87075	
Sule Skerry	010	70916	82022	08414	12578	10720	81820	84460	87275
Cape Wrath	049	81406	82031	06912	30977	11722	83360	88275	
Stornoway	026	81213	82606	05114	5857/	11728	81820	85635	88460
Benbecula	022	81322	61636	02313	854//	12728	82710	84615	88624
Tiree	100	81423	58616	02113	7532/	13736	82706	84710	86618
Aldergrove	917	81613	80616	02815	5722/	13736	81705	85708	88458
Malin	980	81817	75216	00916	864//	14630	85712	88716	
Belmullet	976	82322	75206	02716	854//	13106	83714	87635	
Birr	965	72416	84256	05317	785//	13502	86820	83635	
Dublin	969	72218	82216	03918	784//	15725	83714	86820	85635
Shannon	962	72615	82256	06617	784//	14109	81715	85820	85637
Roches Point	952	72320	80026	07919	7541	15500	82713	87626	
Valentia	953	72512	70256	08816	72402	13211	82712	87817	

OBSERVATIONS at 18h. 17 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{app}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82019	60616	11114	872//	13727	85704	88706	
Hurn	862	82217	50636	12815	853//	14724	84706	87708	88612
Manston	797	82217	66212	13216	1147/	11817	81712	88360	
Gatwick	776	82215	64218	13115	3857/	13824	82820	88462	
Kew	775	82314	70216	12016	2552/	11724	82620	88459	
Heathrow	772	82116	65212	11617	7542/	12726	84616	84630	88460
Honington	586	82014	70606	10316	2852/	12822	81822	88460	
Wattisham	590								
Gorleston	497	72118	64258	10617	1957/	12721	81920	87360	
Aberporth	502	72318	70206	07216	3747/	14712	83710	87360	
Filton	628	82312	40596	09515	872//	15625	84705	86708	88712
Rhoose	715	82519	45606	09116	852//	15622	81704	87706	88615
Hartland Point	703	82630	00606	09315	870//	15612	88701		
Mount Batten	827	82425	40516	12115	872//	15721	86703	88708	
St. Mawgan	817	82319	25516	11616	870//	15716	85700	88702	
Scilly	804	82514	06506	13116	871//	16713	88702		
Culdrose	809	82420	11606	12016	870//	15717	83700	88702	
Guernsey	894	72315	68031	16115	55632	12717	85640		
Elmdon	534	82015	50516	07915	873//	14731	86707	88710	
Cardington	559	82313	63608	09915	2567/	14631	82630	87358	88463
Wittering	462	82016	65216	08415	6552/	13837	86620	88559	
Watnall	354	82013	40586	06715	853//	14636	86708	88618	
Shawbury	414	81910	56216	06115	852//	15722	81704	83612	87618
Finningley	360	81910	59586	05615	6732/	14737	84708	84712	88545
Spurn Point	396	81817	56216	07415	1157/	13741	81825	88460	
Leeming	257	81614	40216	03614	854//	14645	86712	88620	
Tynemouth	262	81820	61026	03814	855//	13742	88625		
Carlisle	222	82008	30596	01416	852//	15633	83704	86708	88625
Valley	302	72217	65026	04616	15628	12605	81645	83460	87270
Ringway	334	82016	65206	05116	854//	14628	87711	88620	
Squires Gate	318	72418	70016	04017	784//	16521	81711	86640	
Ronaldsway	204	72517	75036	02516	68506	13610	81820	85657	
Mull of Galloway	131	72711	82036	01714	48570	14703	84620	87350	
Eskdalemuir	162	81608	27616	00913	871//	13735	88702		
Prestwick	135	72408	80216	00614	3833/	14519	81707	83614	87359
Abbotsinch	140	72808	58616	99715	7827/	14525	81705	83715	86640
Leuchars	171	81116	45616	01013	7522/	13742	81703	85704	87620
Dyce	091	81107	56616	03113	852//	12730	82705	86707	88625
Lerwick	005	70612	84022	07110	755//	07719	87621		
Wick	075	71415	75022	03312	46458	10727	83715	83650	86359
Sule Skerry	010	61426	81012	02913	12536	11731	81820	83360	86275
Cape Wrath	049	81416	80606	00315	885//	13739	83820	88625	
Stornoway	026	81312	75606	99114	4542/	12628	81618	84640	88462
Benbecula	022	72112	56616	96813	754//	13725	83710	84615	87630
Tiree	100	81910	40526	98014	852//	13711	84703	88616	
Aldergrove	917	72517	62808	01416	783//	13605	81707	83814	85625
Malin	980	62422	80256	99814	634//	12504	82713	84820	81920
Belmullet	976	72516	76035	03515	784//	12102	83716	86636	
Birr	965	72410	82028	05515	785/2	13000	84821	85636	86070
Dublin	969	72518	89808	03817	684/2	12201	82715	83824	85635
Shannon	962	72616	57808	06615	724//	13603	86713	86820	
Roches Point	952	72421	80022	08017	16471	11702	81715	87464	
Valentia	953	72512	72018	09116	68532	13803	85820		

OBSERVATIONS during DAY

Station	iii	RRT T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	01181	011	r.	r.r.d.r.rd.
Hurn	862	02171	001	r.	r.d.r.r
Manston	797	97200	015	+	r.ir.r.
Gatwick	776	01191	015	pr.r.	ir.r.r.r
Kew	775	91201	018	r.r.	r.ir.r
Heathrow	772	92211	015	r.r.	r.
Honington	586	02211	025	+	r.rr.r.
Wattisham	590				
Gorleston	497		014		
Aberporth	502	07171	004	ir.rrr.r.dr	r.r.id.
Filton	628	04191	004	r.d.r.d.r.	d.r.d.r.drdr
Rhoose	715	03171	002	r.rr.rrr.	r.r.rir.
Mount Batten	703	03151	000		
St. Mawgan	827	05171	000	r.rr.	r.rd.d.d.r.
Scilly	817	06171	000	r.d.r.dr	drd.d.ff
Culdrose	804	04171	007	ir.rr	ir.id.ffdd
Guernsey	809	05182	008	ir.r.r.id.	ir.id.r.r.
	894	00180	050	+	+
Elmdon	534	01191	005	r.rr.r.	r.d.r.d.d.r.
Cardington	559	01201	025	pr.r.r.	r.r.R
Wittering	462	01201	008	r.r.	r.r.d.d.r.
Watnall	354	02191	003	ir.ir	rd.r.d.r.drd.
Shawbury	414	02171	002	r.r.r	r.r.d.r.
Finningley	360	02191	003	ir.	ir.rRd.r.
Spurn Point	396			ir.	ir.
Leeming	257	01181	003	r.	r.r.
Tynemouth	262	02181	011	r.r.	rr
Carlisle	222	06181	005	pr.r.rr.	rd.r.DRpr pr
Valley	302	09161	004	rr	+
Ringway	334	04171	002	r.r.rr	r.r.d.r
Squires Gate	318	06171	002	r.r.rR	d.r.drRr.
Ronaldsway	204	10171	016	ir.R	R
Mull of Galloway	131	05151			
Eskdalemuir	162	08152	000	r.pr.rrr.r.	r.r.rpr.pr
Prestwick	135	04161	000	ir.drr.r.ir	d.r.Rpr.
Abbotsinch	140	08171	002	r.r.d.r.rr	rrd.r.Rpr
Leuchars	171	07171	007	r.r.ir.	r.r.rrir.R
Dyce	091	04172	047	r.	r.r.rr
Lerwick	005	00120	001	+	+
Wick	075	96141	109	+	ir.r.r.
Sule Skerry	010	97151			
Cape Wrath	049	97151	020	+	ir.r.r.
Stornoway	026	04151	004	r.r.	r.rr
Benbecula	022	09141	004	r.r.r	rrr.r.
Tiree	100	07161	010	r.d.r.rrR	rir.dd.r.-ro
Aldergrove	917	06181	023	rrr.	pr.
Malin	980	0516	009		
Belmullet	976	0617	038		
Birr	965	0618	028		
Dublin	969	1220	031		
Shannon	962	0719	023		
Roches Point	952	0420	025		
Valentia	953	0117	007		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

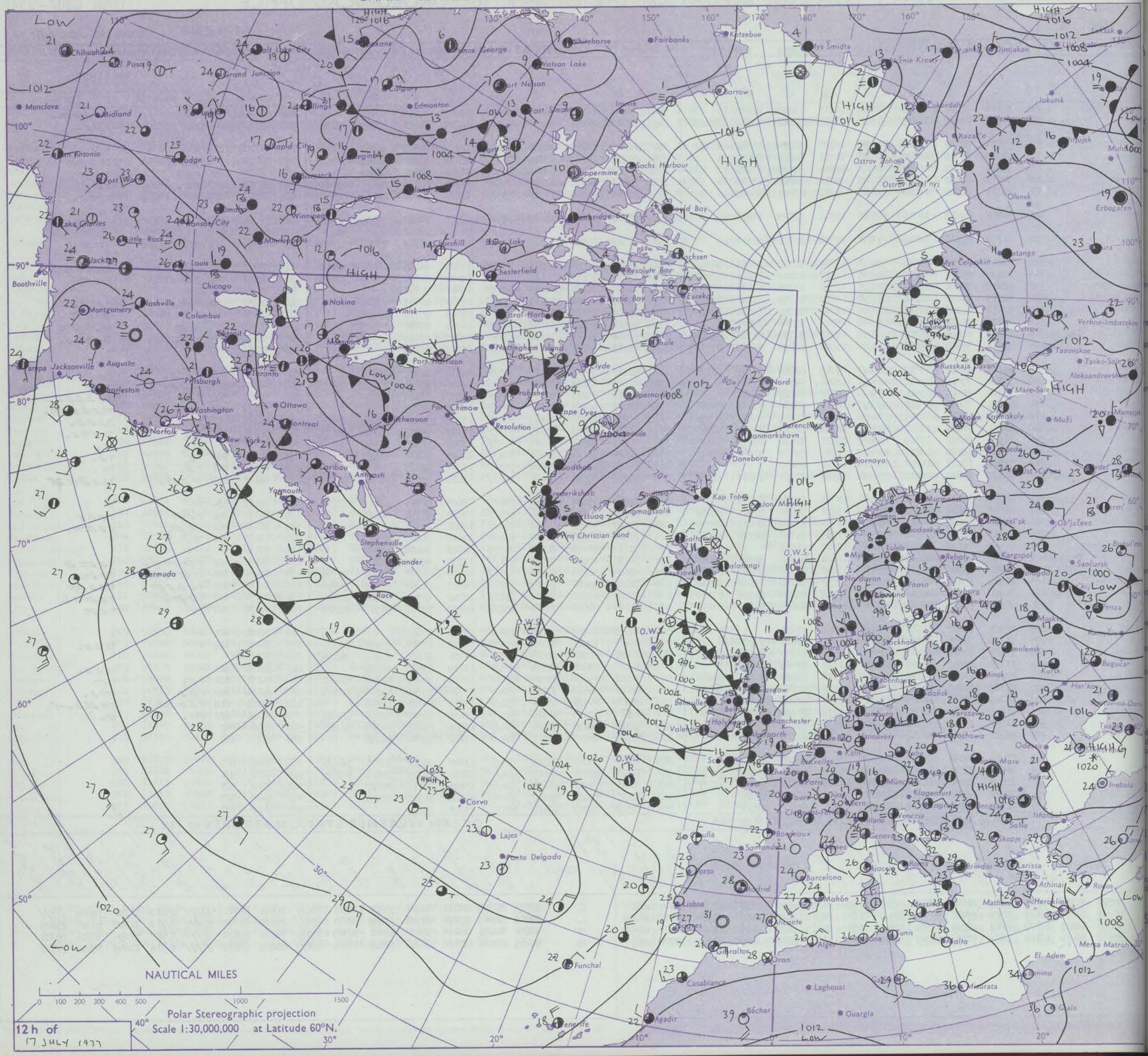
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	17121	92610	92516	13111	9////	00809	89/03	/////	05012	11208	30604	/////
L	99566	70174	17124	72934	97012	98313	784//	21315	82710	83818	0//10	11334	30707	23009
M	99653	10025	17124	80221	97038	10709	884//	00710	82815	88630	0//08	11108	30503	00/00
R	99467	70170	17124	72618	97205	18217	754//	00605	81713	87620	0//17	11663	30704	/////

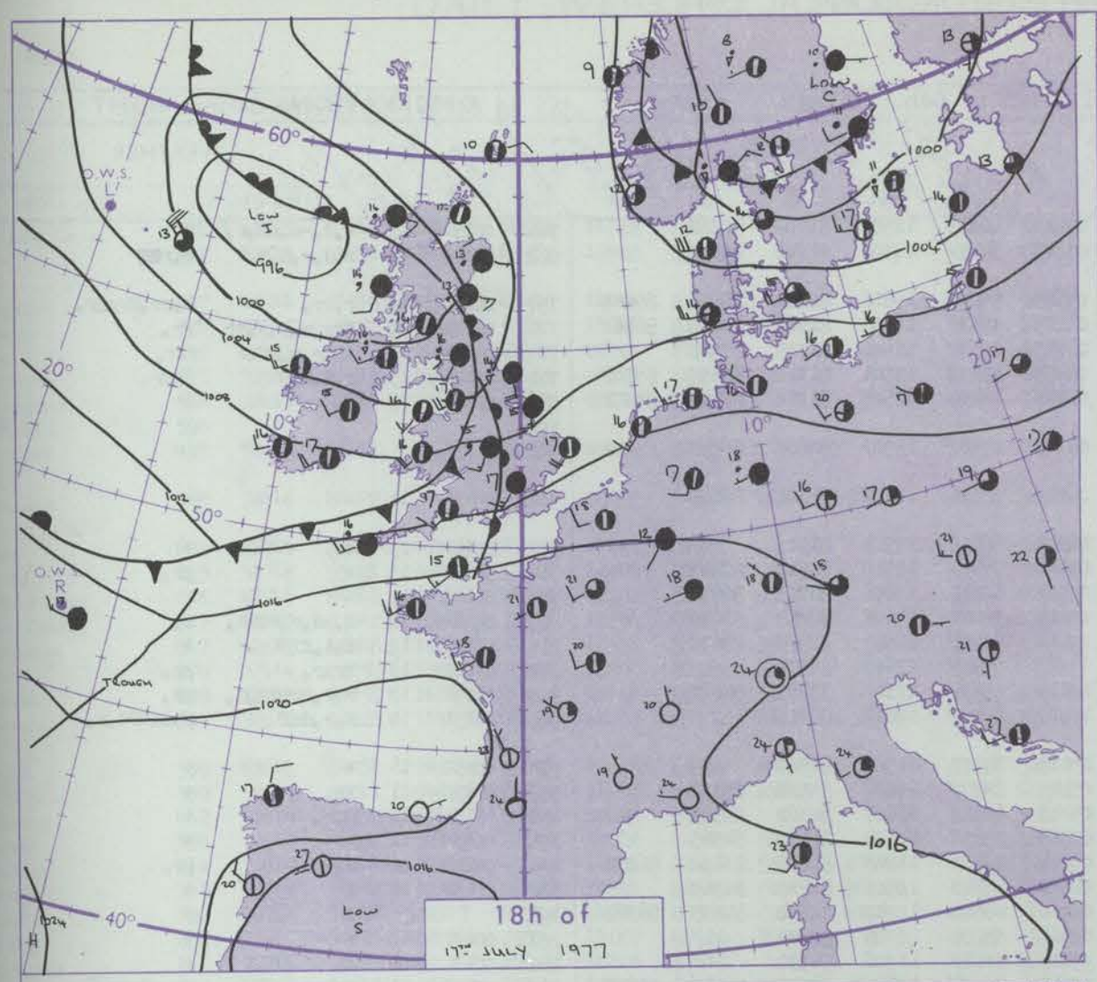
OCEAN WEATHER STATION REPORTS at 18h.

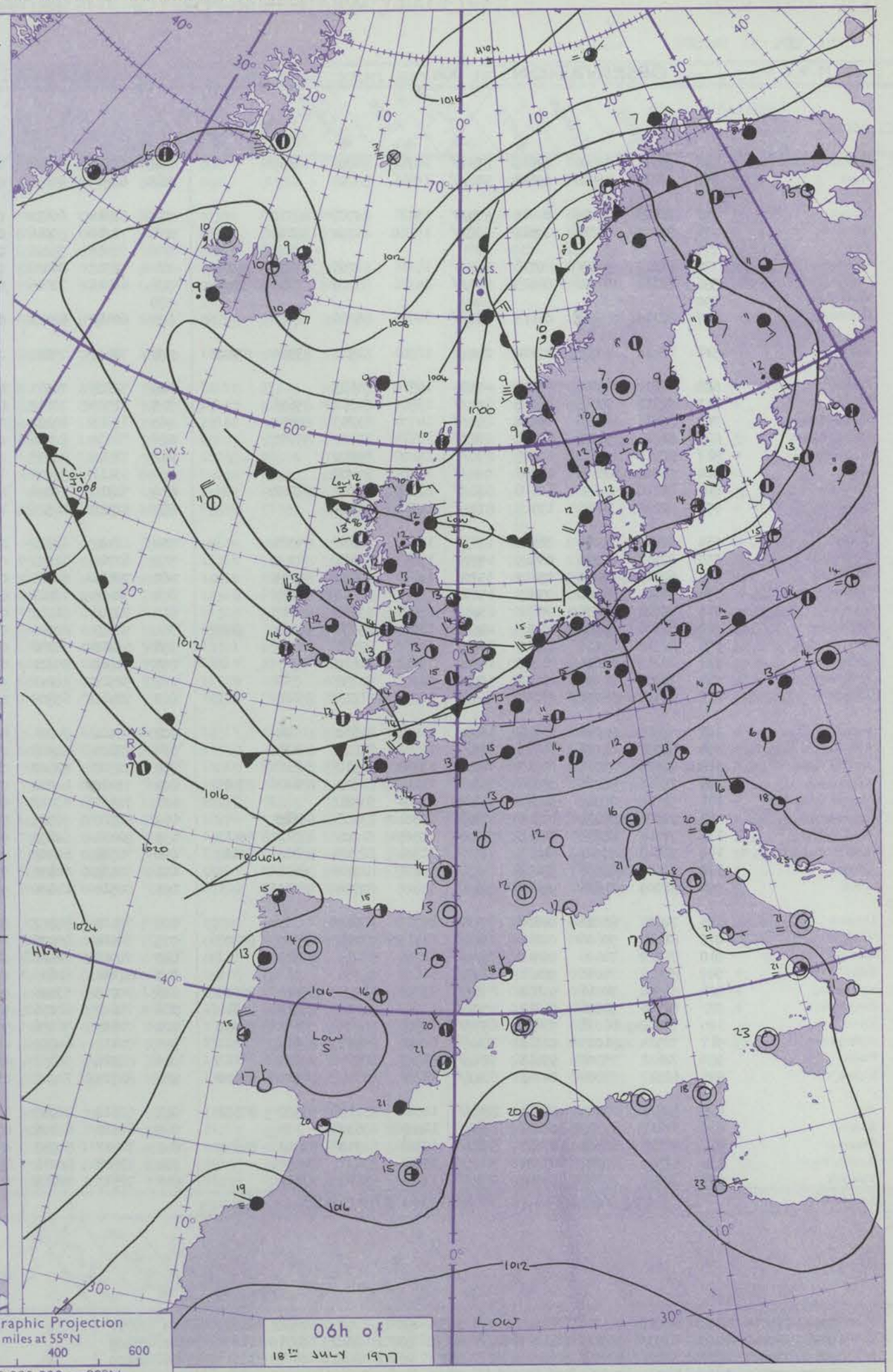
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	17181	82910	98205	14511	864//	00303	88711	/////	05210	11201	30604	/////
L	99565	70165	17184	62933	97028	00113	684//	22309	81712	83818	0//10	11303	30706	23009
M	99652	10021	17184	30122	98011	07309	35530	00822	83620	/////	0//07	11094	30604	99/03
R	99469	70166	17184	82714	97022	17116	856//	00809	88630	////	0//16	11669	30804	/////

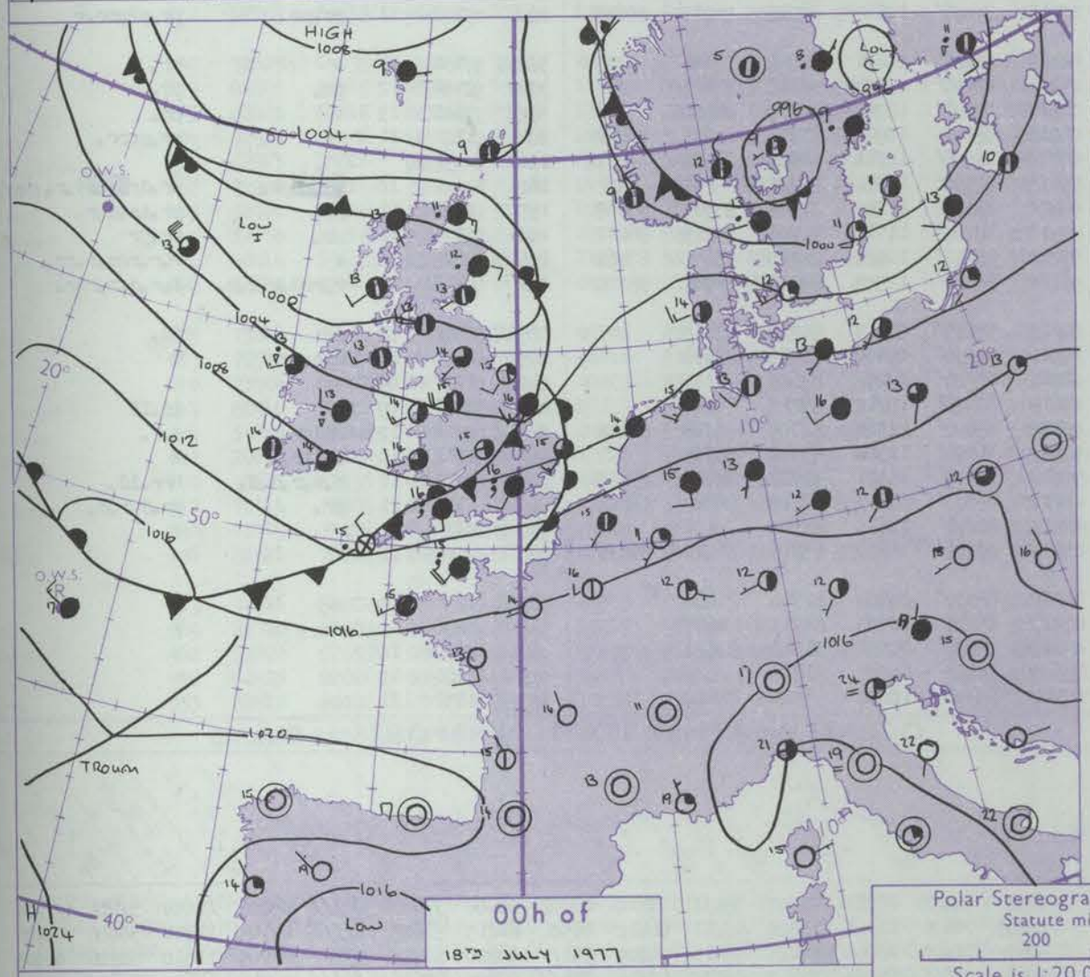
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

Issued at midday MONDAY 18 JULY 1977

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours a depression has moved eastwards into Scotland and the associated frontal troughs crossed all parts of the British Isles. Ahead of these troughs a weakening ridge of high pressure moved east into the North Sea while a complex area of low pressure has persisted over Scandinavia. During the next 24 hours the low over Scotland is expected to transfer eastwards into the northern North Sea and become absorbed in the area of low pressure over Scandinavia. Further frontal troughs are expected to affect all parts of the British Isles during the period.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V **OBSERVATIONS at 00h.** 18 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	82211	70206	08615	853//	14712	86706	88620	
Hurn	862	82315	45506	09615	871//	15816	88702		
Manston	797	82223	70026	08815	873//	13821	84708	88710	
Gatwick	776	82315	56216	09315	872//	15720	84704	88706	
Kew	775								
Heathrow	772	82211	50586	08316	863//	15716	84706	87708	88710
Honington	586	82112	56026	06415	853//	14716	83709	85613	88645
Wattisham	590								
Gorleston	497	62116	58018	06115	664//	14721	86716		
Aberporth	502	62614	80022	07414	28432	12801	81815	83360	85072
Filton	628	42510	65016	07815	45500	14810	84625		
Rhoose	715	62712	70016	08015	654//	13809	84712	85656	
Hartland Point	703	82816	66216	09514	852//	14704	83705	88634	
Mount Batten	827	82523	56596	09816	872//	15714	84703	88705	
St. Mawgan	817	82711	01515	10315	870//	15607	88700		
Scilly	804	93008	08606	11715	9////	15705	89/00		
Culdrose	809	82516	01636	10416	870//	16709	86700	88702	
Guernsey	894	82218	58586	13515	872//	14714	88704		
Elmdon	534	52410	70016	06315	25632	12704	82630	85075	
Cardington	559	82512	60216	06915	4557/	15713	84620	88359	
Wittering	462	62313	75016	05615	35708	14711	83650	86275	
Watnall	354	32311	70016	05015	15602	13607	81630	83075	
Shawbury	414	72003	75036	05614	6553/	12803	83620	86647	
Finningley	360	62306	80026	03915	4857/	13703	83820	86362	
Spurn Point	396	82315	68026	03816	8097/	14710	88360		
Leeming	257	12217	80011	01715	14500	13810	81620		
Tynemouth	262	32305	81021	01014	30930	12706	83358		
Carlisle	222	62306	75258	01514	684//	12201	81815	85622	
Valley	302	42413	80011	05214	15602	11202	81630	84070	
Ringway	334	72308	68026	04715	785//	12701	81822	87635	
Squires Gate	318	72520	80012	03715	784//	13500	81817	87646	
Ronaldsway	204	72616	80011	03214	585/2	11102	81822	85642	87075
Mull of Galloway	131	52718	80012	01812	58500	10804	83820		
Eskdalemuir	162	72306	70218	00812	783//	10301	83708	85820	
Prestwick	135	72714	65258	00213	783//	12805	81706	83711	85818
Abbotsinch	140	72410	70028	99413	783//	11801	82709	83816	87628
Leuchars	171	72406	66036	98213	754//	12805	82712	86614	
Dyce	091	81009	11636	98112	870//	12620	82700	88701	
Lerwick	005	70608	83022	04009	754//	07713	87618		
Wick	075	81114	59606	00211	7522/	11717	83704	85709	87627
Sule Skerry	010	70729	70606	00911	754//	10706	85715	87620	
Cape Wrath	049	81418	70036	98411	863//	11607	88706		
Stornoway	026	81504	70216	97513	853//	13702	81708	85620	88630
Benbecula	022	81706	56506	96212	852//	12602	82704	85705	88612
Tiree	100	72312	66036	97413	6537/	12803	83708	85632	86459
Aldergrove	917	72514	81028	02313	784//	10802	82812	87616	
Malin	980	72622	75808	99613	784//	11805	82714	85820	
Belmullet	976	62517	72806	04213	634//	11202	83717	84920	85640
Birr	965	82811	70808	06513	884//	11001	83715	83820	87632
Dublin	969	32617	80018	04014	35600	11801	83630		
Shannon	962	82716	62808	07413	884//	12801	82710	84818	86640
Roches Point	952	62509	80012	08814	3563/	12003	83637	84358	
Valentia	953	72609	70258	09914	784//	12006	85818	87630	

OBSERVATIONS at 06h. 18 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	62706	82016	07113	16372	12501	81708	84362	
Hurn	862	62609	80016	07815	3847/	14502	81710	85359	
Manston	797	82314	66612	05615	852//	15616	82704	85706	88645
Gatwick	776	72710	80016	06915	45372	13503	81709	84650	86360
Kew	775	72405	75026	06715	2533/	13504	81708	87362	
Heathrow	772	72507	80026	06415	35432	13501	81710	83650	85362
Honington	586	62411	70016	04314	16432	12505	81712	83365	85072
Wattisham	590								
Gorleston	497	62412	62022	04015	2552/	13502	82625	86458	
Aberporth	502	72613	75032	06813	683/1	11802	81708	86640	
Filton	628	52708	70011	06815	38439	13503	81715		
Rhoose	715	72909	70018	07114	784//	12500	81812	87645	
Hartland Point	703	73013	68162	08614	65231	13801	84703	86635	
Mount Batten	827	52808	80036	09214	38431	11102	82818	83630	
St. Mawgan	817	72810	80035	09414	784//	12603	82814	87620	
Scilly	804	73111	80028	11215	755//	12602	87621		
Culdrose	809	52810	70026	10114	58430	12302	83818	84625	
Guernsey	894	82320	01526	10414	870//	14612	88700		
Elmdon	534	42407	68011	05113	28572	11502	81820		
Cardington	559	62712	62032	05214	2857/	14607	81820	85362	
Wittering	462	72514	80022	04113	60948	12607	84362	84365	
Watnall	354	52409	70011	03913	15642	11603	81630	84365	
Shawbury	414	72206	81018	04213	38432	11803	81818	83650	86070
Finningley	360	52607	80022	02614	18542	10503	81820	84360	
Spurn Point	396	62410	70032	02614	48570	12702	82820	84635	86360
Leeming	257	53010	89011	00514	58500	10708	84820		
Tynemouth	262	52510	80021	99613	4363/	11706	84930		
Carlisle	222	72411	65808	00213	783//	12605	82708	84813	85645
Valley	302	72415	80021	04414	784/2	09601	82815	87624	
Ringway	334	72209	80028	03414	784//	08704	82818	87640	
Squires Gate	318	72519	82022	02514	784//	12704	84815	86650	
Ronaldsway	204	72417	82032	01913	684/2	10708	81713	84816	85640
Mull of Galloway	131	72417	83012	00612	785//	10711	84820	85630	
Eskdalemuir	162	82209	50588	99611	873//	10704	88706		
Prestwick	135	82411	62258	98812	843//	11708	81707	83710	87618
Abbotsinch	140	72308	60808	97812	7827/	11710	82705	83815	86632
Leuchars	171	72409	64636	97012	4847/	11802	81710	83640	87462
Dyce	091	80310	11636	96712	870//	12502	82700	84701	88702
Lerwick	005	70110	84202	01010	754//	07710	81712	87619	
Wick	075	70814	80026	99910	754//	09304	82712	87640	
Sule Skerry	010	70918	74016	01011	755//	08207	87625		
Cape Wrath	049	81424	62606	99110	874//	10212	88710		
Stornoway	026	80715	57586	98112	852//	12308	82705	85708	88614
Benbecula	022	70607	62036	97013	760//	12308	83701	85708	
Tiree	100	72605	56206	95913	751//	13301	83702	84705	85635
Aldergrove	917	72416	60808	00212	783//	10611	82708	85812	86618
Malin	980	82720	50638	97013	862//	13615	88704		
Belmullet	976	82725	72808	03913	834//	10302	85716	86920	87636
Birr	965	62612	80038	05812	684//	09500	82716	84636	
Dublin	969	62518	62106	03412	654/2	10705	84712	84625	
Shannon	962	72817	80038	07313	754//	09306	81718	87640	
Roches Point	952	22513	80011	08613	28400	09501	81815		
Valentia	953	72817	80018	09814	785//	10202	83820	86640	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	02131	12	d.d.-r.rd.r.R	+
Hurn	862	04141	14	r.d.r.d.r	r.r[illegible]
Manston	797	04141	14	r.rr.	r.rr.Rrr.r.
Gatwick	776	06141	14	Rrr.r.d.r.dr	rr.
Kew	775	05141	14	ir.r.r.Rr.r	rRr.
Heathrow	772	05141	13	r.d.r.R	rIRr.
Honington	586	97131	13	r.	+
Gorleston	590				
	497				
Aberporth	502	00121	11	+	+
Filton	628	00141	13	+	+
Rhoose	715	97141	13	+	pr.
Hartland Point	703	01142	12		
Mount Batten	827	04141	12	d.-d.r.rdrr.	r.
St. Mawgan	817	01141	12	d.d.ffF	+
Scilly	804	03141	13	irir.	pr.
Culdrose	809	09131	12	r.r.rrddd.d.	pr.
Guernsey	894	04131	14	d.r.drf	drddFFd.r.
Elmdon	534	00130	11	+	+
Cardington	559	97130	11	ir.	+
Wittering	462	97131	12	d.r.	+
Watnall	354	00130	11	+	+
Shawbury	414	97111	06	r.-pr.	pr.
Finningley	360	00131	11	+	+
Spurn Point	396			+	+
Leeming	257	00131	10	+	+
Tynemouth	262	00131	09	+	+
Carlisle	222	03121	11	pr.pr	pr.pRprr.r
Valley	302	97131	11	+	pr.
Ringway	334	92131	12	pr.	pr.
Squires Gate	318	97141	13	+	pr.
Ronaldsway	204	01121	11	+	pr.prrr.
Mull of Galloway	131	04111			
Eskdalemuir	162	04101	10	rrr.pr.	pr.dr[illegible]d.r.dorr.
Prestwick	135	01121	11	pr.	pr.ir.d.r.
Abbotsinch	140	02121	11	pr.	pr.pr
Leuchars	171	04121	10	+	r.r.rrr.r.ir.
Dyce	091	09112	11	r.rrd.r.d.r.	d.r.d.r.rRr.
Lerwick	005	97090	08	+	id.
Wick	075	01101	10	r.r.ir.	+
Sule Skerry	010	01091	09		
Cape Wrath	049	93081	09	FF	ir.iF
Stornoway	026	03111	12	rrd.r.	d.r.
Benbecula	022	91111	10	id.ir.	+
Tiree	100	02121	12	r.d.r.d.d.	Rrr.id.
Aldergrove	917	01111	11	pr.	pr.d.r.d.
Malin	980	0512	11		
Belmullet	976	0212	11		
Birr	965	0111	09		
Dublin	969	9112	10		
Shannon	962	9712	10		
Roches Point	952	9712	10		
Valentia	953	0113	11		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	18001	83010	98022	17209	864//	00214	88714	/////	05608	11213	3//04	/////
L	99565	70162	18004	62933	97012	03112	654//	61120	83712	86625	0//10	11278	30910	32009
M	99651	10024	18004	80226	97601	02909	4542/	00825	82712	84619	0//08	11127	30706	04909
R	99470	70167	18004	82914	98026	18316	856//	00112	88630	/////	0//16	11709	30806	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	18061	22505	98031	17210	00902	00400	/////	////	05208	11144	3//01	//04
L	99565	70171	18064	13029	97011	06412	16501	61215	81628	/////	0//08	11344	30908	25806
M	99650	10024	18064	80425	96616	99209	853//	00820	87707	88615	0//09	11080	30806	04909
R	99469	70166	18064	73112	98035	17216	755//	00604	87626	/////	0//16	11687	30000	32704

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. 8

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42243

Date of Issue TUESDAY 19 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 18 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dappp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$
Boscombe Down	746	62815	85012	07119	61500	11002	86828		
Hurn	862	62713	84031	08019	6853/	12502	85824		
Manston	797	42711	81016	05419	48400	11000	83818		
Gatwick	776	52815	83022	06620	58600	11001	83832	83645	
Kew	775	42413	82021	06019	48600	09704	84835		
Heathrow	772	32515	81011	05821	38600	09802	82830		
Honington	586	32417	82011	03619	31600	08803	83830		
Wattisham	590								
Gorleston	497	72612	66012	03618	785//	09400	84825	87630	
Aberporth	502	72616	81022	07415	785//	09002	81822	85640	86650
Filton	628	22714	82011	07018	28500	11105	82827		
Rhoose	715	32718	85021	07718	38530	10004	82820		
Hartland Point	703	42816	89018	09716	44500	12207	82820	83630	
Mount Batten	827	73017	87012	10218	785//	12306	86822	84630	
St. Mawgan	817	62815	80018	10717	684//	12306	83814	85635	
Scilly	804	33114	80258	13017	38504	15209	82820	83630	
Culdrose	809	73018	80258	11217	784//	12204	85818	83630	
Guernsey	894	72614	80026	11715	752//	14209	82704	86705	
Elmdon	534	62618	84031	04318	38652	06605	83838	84359	
Cardington	559	52917	80011	04620	48632	11803	82830	83635	
Wittering	462	72619	83032	03121	58631	08806	85835		
Watnall	354	72515	81032	02717	58532	09702	84828	84362	
Shawbury	414	72618	80608	04715	6557/	10206	83620	85640	87358
Finningley	360	72914	80022	02216	38578	09301	82825	84463	86275
Spurn Point	396	72723	70022	02317	5857/	09702	83820	83625	87360
Leeming	257	72517	82606	00514	2554/	11007	82620	87360	
Tynemouth	262	72716	80022	99316	756//	10206	87630		
Carlisle	222	82308	60618	99813	872//	13501	82705	84707	88712
Valley	302	72625	65258	04517	785//	09301	81820	87645	
Ringway	334	82618	59618	03914	3542/	11304	81712	83622	88545
Squires Gate	318	82423	65218	02313	872//	13701	81705	88708	
Ronaldsway	204	72523	80806	01515	783//	12303	81708	83711	85627
Mull of Galloway	131	62813	80016	00215	5842/	13206	82815	85630	86460
Eskdalemuir	162	72206	75215	99214	754/2	11302	82715	84618	86623
Prestwick	135	52907	81016	99415	58330	12310	81708	83814	
Abbotsinch	140	32603	82018	99117	28530	12311	82820		
Leuchars	171	80410	65616	99812	853//	11225	82706	86710	88640
Dyce	091	80210	75216	00212	7632/	09220	81708	87710	
Lerwick	005	73214	82025	99911	754//	07706	84616	87625	
Wick	075	70510	86032	01613	35732	06110	83650	83358	
Sule Skerry	010	73504	84022	03013	755//	08207	87625		
Cape Wrath	049	80916	82022	02710	855//	08218	88620		
Stornoway	026	30718	75016	02412	35400	09219	83617		
Benbecula	022	20617	80021	01016	18430	12220	81710		
Tiree	100	53613	82255	00415	58300	14225	81709	84628	
Aldergrove	917	72914	70808	01415	793//	13318	83709	83916	85820
Malin	980	73119	75216	01415	784//	13125	86710		
Belmullet	976	82921	76218	06815	864//	11215	81714	84719	87637
Birr	965	72716	84022	06815	725//	09305	87822		
Dublin	969	82724	82508	04214	864//	10311	85715	87625	
Shannon	962	82820	82038	09115	885//	10208	82820	85630	87650
Roches Point	952	62826	82021	09517	625//	09202	86822		
Valentia	953	82812	80022	12015	885//	10209	84824	88640	

OBSERVATIONS at 18h. 18 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dappp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$
Boscombe Down	746	72913	84031	08615	785//	09215	81828	87632	
Hurn	862	22917	84031	08918	24600	09211	81830		
Manston	797	52513	81031	05019	58500	07303	81828	85645	
Gatwick	776	32814	84031	06819	38600	08308	81840	83656	
Kew	775	52715	82021	06818	54640	08313	84840		
Heathrow	772	32716	82020	06419	38600	09310	81838	83650	
Honington	586	72621	81011	04417	6863/	08312	83835	85645	
Wattisham	590								
Gorleston	497	62910	66012	03517	685//	08209	82825	86625	
Aberporth	502	52916	81012	08815	48540	10309	81825	83645	
Filton	628	72716	80031	08316	785//	12110	81825	87635	
Rhoose	715	72718	82021	08715	784//	10107	81818	87632	
Hartland Point	703	42925	80022	11115	22540	12102	82820	84360	
Mount Batten	827	73120	86022	11417	78500	10109	87825		
St. Mawgan	817	32915	82028	12116	38430	11208	81815	83650	
Scilly	804	63014	80031	14116	68500	12207	82820	86630	
Culdrose	809	63018	70152	12716	68400	10212	81710	83818	85635
Guernsey	894	72616	82031	12715	4833/	13307	81708	84650	85359
Elmdon	534	72617	75028	05915	6843/	09109	81818	86622	
Cardington	559	62922	75031	06017	68600	11216	82830	86640	
Wittering	462	52624	81018	04616	48530	10210	82828	84650	
Watnall	354	82511	40588	04713	853//	12310	87706	88615	
Shawbury	414	72615	75158	05615	784//	11309	81711	83815	87628
Finningley	360	72813	80018	02715	5857/	12204	82820	84645	86362
Spurn Point	396	82415	68258	02314	5567/	13301	85630	88360	
Leeming	257	73610	62256	02215	793//	13317	81708	82915	86820
Tynemouth	262	83523	69028	02412	5352/	11329	85925	88458	
Carlisle	222	70307	70028	02415	793//	12223	81708	81917	83635
Valley	302	62726	70012	06317	685//	12211	81822	83635	85645
Ringway	334	82715	60508	04414	874//	13310	88711		
Squires Gate	318	72719	70016	03915	753//	13219	82708	85712	87640
Ronaldsway	204	73013	75808	04215	784//	12214	81710	83824	85633
Mull of Galloway	131	33523	80018	03615	12540	12216	81825	83359	
Eskdalemuir	162	70306	68028	02713	754//	10120	83710	83630	86650
Prestwick	135	70607	70031	02616	784//	13219	82815	83824	86645
Abbotsinch	140	82104	65218	02415	884//	12313	82816	85622	88648
Leuchars	171	71007	68026	02513	48532	09212	81822	84650	85080
Dyce	091	73313	84032	01913	58532	07209	81820	84625	
Lerwick	005	83215	70026	98810	854//	09704	86711	88620	
Wick	075	73312	89022	02412	6853/	09006	83822	85632	85650
Sule Skerry	010	63410	84012	03412	655//	08102	86625		
Cape Wrath	049	40503	82021	03611	45601	09205	83630		
Stornoway	026	30513	84020	03612	15502	08004	81624		
Benbecula	022	60906	82031	03214	45432	11208	81618	83630	
Tiree	100	72913	80151	03215	784//	13111	81710	84817	86629
Aldergrove	917	73110	84028	04816	785//	11116	83822	85630	
Malin	980	72815	75605	04714	764//	13111	83712	86716	
Belmullet	976	52615	80012	09115	38432	10209	81718	83820	
Birr	965	72713	82022	09414	785//	10113	85822	86636	
Dublin	969	82718	80806	07214	834//	11217	85715	86920	82920
Shannon	962	82814	84808	11115	885//	10208	81820	85625	86645
Roches Point	952	22824	75011	10716	28501	08105	82820		
Valentia	953	72708	80032	12915	785//	11203	81822	87640	

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00190	102	+	+
Hurn	862	00210	111	+	+
Manston	797	00211	069	+	+
Gatwick	776	00220	118	+	+
Kew	775	00210	104	+	+
Heathrow	772	00230	096	+	+
Honington	586	97220	040	+	pr.
Wattisham	590				
Gorleston	497		050		
Aberporth	502	00171	053	+	+
Filton	628	00200	077	+	+
Rhoose	715	00180	061	+	+
Hartland Point	703	93160	110		
Mount Batten	827	00190	102	+	jp
St. Mawgan	817	97181	092	pr.	+
Scilly	804	97180	062	pr.	+
Culdrose	809	91181	073	pr.	jp
Guernsey	894	01170	044	d.r.	+
Elmdon	534	97190	052	pr.	pr.
Cardington	559	00220	075	+	+
Wittering	462	97210	049	pr.	pr.
Watnall	354	92181	041	pr.	pr.id.r.ir.
Shawbury	414	97181	043	pr.r.r	pr.d.r.d.
Finningley	360	91180	018	pr.	pr.
Spurn Point	396			pr.	pr.ir.r.r.
Leeming	257	02191	049	r.r	pr.r.r
Tynemouth	262	01171	017	pr.	pR
Carlisle	222	02181	021	r.rr.r.	pRprpr.
Valley	302	97181	043	pr.	+
Ringway	334	03161	007	r.r.d.r.dr	r.pr.d.
Squires Gate	318	03161	016	pr.prrRd.r.dr	d.r.
Ronaldsway	204	01161	011	rpr.	pr.
Mull of Galloway	131	94161			
Eskdalemuir	162	93171	008	d.r.d.r.pr.	r.
Prestwick	135	92191	043	id.	pr.
Abbotsinch	140	92191	022	pr.	pr.ir.d.r.
Leuchars	171	01141	010	r.r.d.r.	+
Dyce	091	02141	049	r.r	+
Lerwick	005	97121	000	ir.	ir.id.
Wick	075	00131	047	+	+
Sule Skerry	010	00140			
Cape Wrath	049	00120	077	+	+
Stornoway	026	00131	096	+	+
Benbecula	022	00171	063	+	+
Tiree	100	97171	076	id.pr.	jp
Aldergrove	917	94171	003	r.prpr.	pr.
Malin	980	0116	016		
Belmullet	976	9716	012		
Birr	965	0016	015		
Dublin	969	9116	012		
Shannon	962	9716	006		
Roches Point	952	0017	080		
Valentia	953	0016	001		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

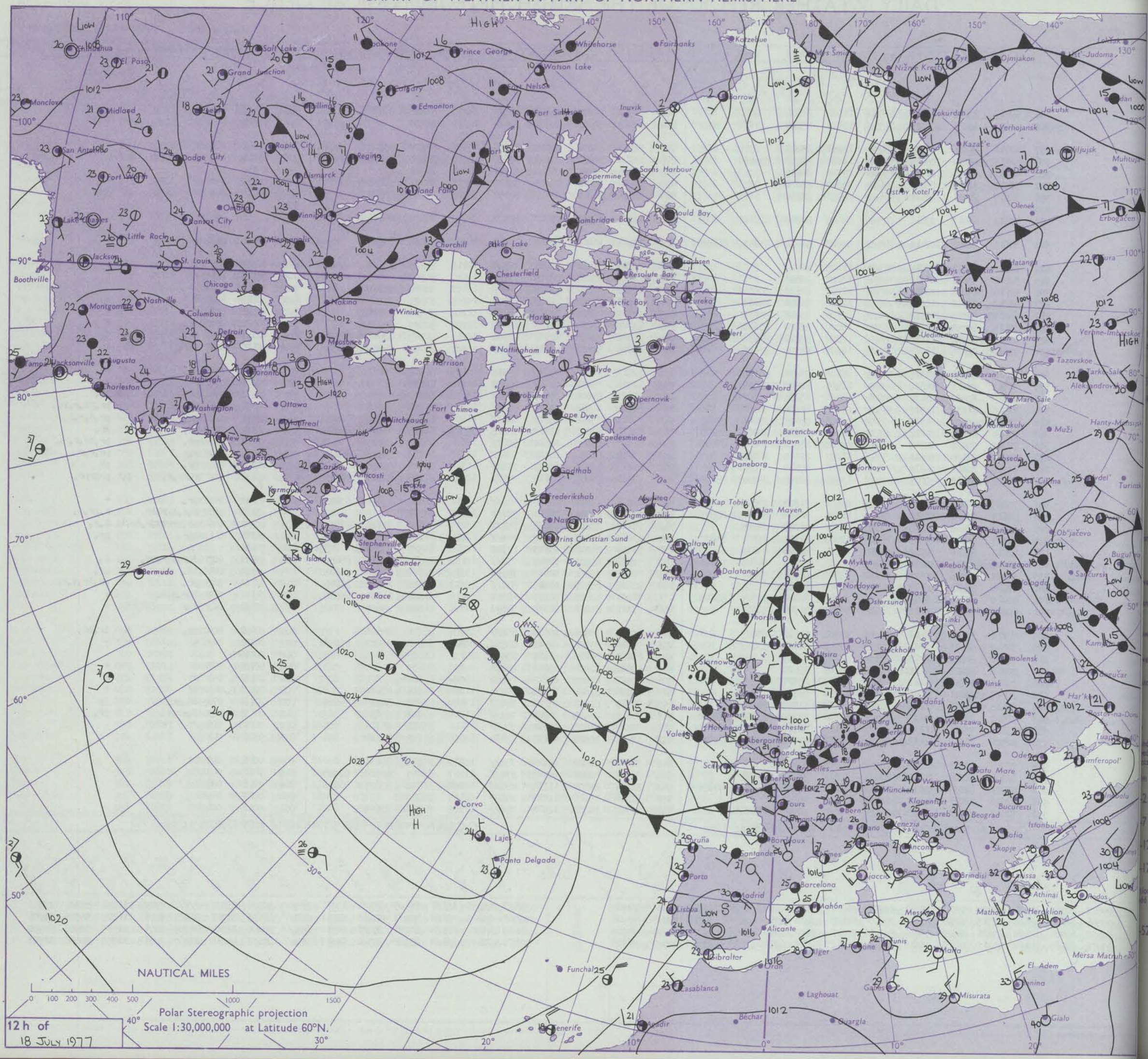
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sappp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_w$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	18121	22804	98021	18711	00902	00207	/////	/////	05209	11221	3////	27904
L	99566	70180	18124	72715	98021	07612	784//	61103	83816	87635	0//08	11303	30504	99/06
M	99650	10024	18124	80226	96206	95809	853//	00718	88608	/////	0//09	11138	30806	04909
R	99472	70165	18124	43210	98031	19016	28550	00212	81820	83360	0//15	11687	30602	27703

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sappp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_w$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	18181	82103	98031	18011	21504	00806	82833	/////	05209	11291	30201	27803
L	99568	70189	18184	72621	97216	02811	784//	61635	83712	85820	0//11	11327	30505	99/06
M	99649	10024	18184	80221	95026	94010	873//	00500	85707	88709	0//10	11115	30806	04909
R	99470	70167	18184	73106	97506	19017	754//	00002	84710	87260	0//18	11755	30000	27703

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH
Low
Whitehorse
Watson Lake
Fort Nelson
Prince George
Edmonton
Calgary
Fort Simpson
Inuvik
Barrow
Fairbanks
Kotzebue
Coppermine
Sachs Harbour
Cambridge Bay
Gould Bay
Resolute Bay
Eureka
Arctic Bay
Churchill
Baker Lake
Chesterfield
Winisk
Nottingham Island
Port Harrison
Fort Chimo
Resolution
Cape Dyer
Egedesminde
Godthab
Frederikshab
Narssarssuaq
Prins Christian Sund
Angmagssalik
Kap Tobin
Jan Mayen
Ivigtut
Reykjavik
Stephenville
Gander
Sable Island
Cape Race
Bermuda
Corvo
Lajes
Ponta Delgado
Funchal
Tenerife
Casablanca
Agadir
Laghouat
Bechar
Ouargla
Gabes
Misurata
Tunis
Malta
Oran
Alicante
Gibraltar
Madrid
Lisboa
Porto
La Coruña
Santander
Bordeaux
Barcelona
Mahón
Ajaccio
Roma
Ancona
Brindisi
Athinai
Heraklion
Rodos
El Adem
Mersa Matruh
Beograd
Bucuresti
Istanbul
Skopje
Sofia
Sulina
Constanta
Simferopol'
Odesa
Lwów
Warszawa
Minsk
Smolensk
Kaliningrad
Gdańsk
Berlin
Hannover
Manchester
Belmullet
Valentia
Shannon
Brest
Scilly
Bruxelles
Paris
Tours
Lyon
München
Bern
Klagenfurt
Venezia
Zagreb
Milano
Genova
Oslo
Stockholm
Helsinki
Tromsø
Murmansk
Archangel'sk
Ostersund
Narvik
Thorshavn
Lerwick
Stornoway
Ustsira
Aberporth
Jakutsk
Verhojansk
Ojmjakon
Oktjabr'skij
Nižnje Kresty
Ostrov Kotel'nyj
Ostrov Zohotoj
Tiksi
Olenek
Kazač'e
Ostrov Uedinenija
Ostrov Čeljuskin
Dikson Ostrov
Russkaja Gavan'
Malye Karakuly
Barencburg
Nord
Pjasina
Dikson
Tazovskoe
Mars Sale
Salehard
Jamburg
Igarka
Turuhansk
Yenisejsk
Tura
Erbogačen
Vanavara
Bratsk
Irkutsk
Ust'-Udoma
Lensk
Aldan
Tommot
Olekminsk
Yakutsk
Zyrjanka
Anadyr'
Lavrentija
Provideniya
Nome
Kotzebue
Point Barrow
Prudhoe Bay
Fairbanks
Whitehorse
Dawson
Yellowknife
Fort Smith
Fort Simpson
Edmonton
Calgary
Lethbridge
Prince George
Prince Rupert
Vancouver
Seattle
Spokane
Salt Lake City
Grand Junction
Rapid City
Bismarck
Williston
Regina
Winnipeg
Thunder Bay
Sault Ste. Marie
Duluth
Minneapolis
Omaha
Kansas City
Dodge City
Amarillo
Albuquerque
El Paso
Midland
San Antonio
Fort Worth
Lake Charles
Little Rock
Jackson
St. Louis
Chicago
Milwaukee
Detroit
Nashville
Columbus
Pittsburgh
Toronto
Ottawa
Montreal
Washington
Norfolk
New York
Boston
Caribou
Houlton
Millinocket
Yarmouth
Stephenville
Gander
Sydney
Halifax
Moncton
Fredericton
Portland
Albany
Buffalo
Cleveland
Indianapolis
Cincinnati
Louisville
Memphis
Atlanta
Charleston
Augusta
Jacksonville
Tampa
Miami
Key West
New Orleans
Houston
Galveston
Corpus Christi
Brownsville
Laredo
Del Rio
Abilene
Wichita
Oklahoma City
Tulsa
Amarillo
Roswell
Phoenix
Tucson
Yuma
Las Vegas
Reno
Sacramento
San Francisco
Fresno
Los Angeles
San Diego
Medford
Portland
Boise
Pocatello
Salt Lake City
Grand Junction
Denver
Cheyenne
Rapid City
Bismarck
Williston
Minot
Billings
Great Falls
Helena
Missoula
Spokane
Seattle
Vancouver
Prince Rupert
Prince George
Edmonton
Calgary
Lethbridge
Medicine Hat
Regina
Saskatoon
Prince Albert
The Pas
Flin Flon
Thompson

18h of
18 JULY 1977

00h of
19 JULY 1977

06h of
19 JULY 1977

Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday TUESDAY 19 JULY 1977

A complex low over southern Norway has remained almost stationary. A cold front across northern Germany to northwest France has moved slowly southeast. An occluded trough of low pressure across the central North Sea to southwest Scotland has moved slowly south and now extends across Denmark to North Wales. An occluding trough of low pressure moving steadily east across the Northeast Atlantic has now reached western Ireland. During the next 24 hours pressure wil remain low over Scandinavia maintaining a west to northwest airstream over the British Isles. The occluded trough over western Ireland will move steadily east across most parts of the British Isles except, perhaps, northern Scotland.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V **OBSERVATIONS at 00h.** 19 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82709	75032	10913	856//	11110	88632		
Hurn	862	42509	80011	11913	35601	11210	83643		
Manston	797	32210	72011	08613	35500	10113	83625		
Gatwick	776	42508	70031	10413	45600	11113	84638		
Kew	775								
Heathrow	772	62609	80021	09715	65600	11213	86630		
Honington	586	82514	75028	07315	855//	10114	85625	88645	
Wattisham	590								
Gorleston	497	82514	66032	06215	855//	11214	88621		
Aberporth	502	62714	80021	11013	55602	09212	85644		
Filton	628	72809	75032	10915	755//	11213	82620	87635	
Rhoose	715	72810	70032	11415	784//	11213	81814	87647	
Hartland Point	703	53005	69012	12915	58540	12211	82820	85630	
Mount Batten	827	72713	80012	13614	756//	13006	87647		
St. Mawgan	817	52812	80021	13714	58400	11107	81815	85630	
Scilly	804	72711	80022	15714	755//	12207	87626		
Culdrose	809	42909	80021	14613	45600	10109	84630		
Guernsey	894	22712	80021	14613	25700	12207	82650		
Elmdon	534	72711	75218	08814	754//	11214	81712	85628	87650
Cardington	559	82909	70212	08814	855//	13215	88629		
Wittering	462	42615	80018	07513	45600	12113	84642		
Watnall	354	52407	62106	07613	55400	12215	85619		
Shawbury	414	82711	78016	08714	854//	11115	83616	83625	88640
Finningley	360	71802	60032	06113	755//	12115	84623	86630	
Spurn Point	396	83010	66026	06313	5547/	11219	82715	85630	88360
Leeming	257	81802	45046	05713	854//	11109	88615		
Tynemouth	262	32703	69021	05812	30930	08211	83359		
Carlisle	222	82403	65022	05313	854//	12109	82712	88617	
Valley	302	22815	70011	09214	25600	09212	82645		
Ringway	334	82712	62025	07514	853//	13112	81708	84718	88625
Squires Gate	318	82913	75032	07115	853//	13212	85709	88627	
Ronaldsway	204	72815	82038	07213	784//	11111	82711	84816	86635
Mull of Galloway	131	83015	60636	06713	864//	12211	88710		
Eskdalemuir	162	82206	56216	04912	854//	11006	86710	88620	
Prestwick	135	72612	80038	04914	784//	12008	81710	84814	86628
Abbotsinch	140	72608	70036	04213	783//	12006	81709	84618	87626
Leuchars	171	22706	65011	03210	25500	09702	82625		
Dyce	091	30000	82011	02807	15602	06001	81635	83072	
Lerwick	005	83114	58505	98010	873//	09502	86706	88711	
Wick	075	62806	82022	02206	25642	06803	82640	85075	
Sule Skerry	010	83409	81022	02611	885//	07605	88625		
Cape Wrath	049	30504	82011	03110	35500	08804	83625		
Stornoway	026	23002	81010	03307	25601	06804	82630		
Benbecula	022	80908	80022	03011	855//	09706	85622	88630	
Tiree	100	72410	80012	03913	755//	13000	84626	87635	
Aldergrove	917	82614	80038	07213	853//	10006	82708	85711	88634
Malin	980	82622	65506	05913	864//	11103	88715		
Belmullet	976	72114	80028	08213	754//	10709	82718	87638	
Birr	965	72405	75032	10412	756//	08703	87633		
Dublin	969	32508	80018	09412	35600	09203	83632		
Shannon	962	32611	80018	11213	35600	10802	83640		
Roches Point	952	72208	75021	12812	785//	10204	81820	87637	
Valentia	953	21705	75011	12913	25600	10802	82635		

OBSERVATIONS at 06h. 19 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72507	81032	12213	755//	09210	86626	87645	
Hurn	862	72607	77031	13113	756//	12209	87630		
Manston	797	32308	75030	10913	25731	11316	82650		
Gatwick	776	22507	75021	12111	15702	11213	81650		
Kew	775	22505	80021	11713	10942	10313	81358		
Heathrow	772	32405	75031	11613	15702	11213	81650		
Honington	586	72411	80031	09414	754//	11315	87615		
Wattisham	590								
Gorleston	497	42510	64016	08714	40970	12209	84360		
Aberporth	502	72710	80602	11513	785//	10202	81825	87638	
Filton	628	72912	75032	11914	756//	09207	87640		
Rhoose	715	62915	68012	11514	58431	07001	81815	85628	
Hartland Point	703	72716	84022	12914	784//	12301	84818	86625	
Mount Batten	827	72716	66501	14014	753//	12105	81708	87630	
St. Mawgan	817	72614	80022	13814	784//	10400	81815	87620	
Scilly	804	82611	78022	15614	855//	12500	88625		
Culdrose	809	82711	75021	14414	855//	10801	88625		
Guernsey	894	72611	82021	15313	785//	12306	81820	87640	
Elmdon	534	72511	75032	10013	784//	10207	81818	87635	
Cardington	559	62709	62032	10514	45702	12212	84650	83075	
Wittering	462	72611	81022	09414	654/2	11210	81615	86642	
Watnall	354	72608	68031	09113	784//	10211	82818	87630	
Shawbury	414	72407	80032	09613	68406	11106	82818	85630	85270
Finningley	360	72713	75021	07714	754//	11212	84615	87640	
Spurn Point	396	72615	62032	07214	756//	12205	87645		
Leeming	257	72512	75022	05914	655/1	09104	82625	86645	
Tynemouth	262	72708	69021	04813	55631	11602	85630		
Carlisle	222	72511	70016	05413	784//	11303	82714	84625	87645
Valley	302	72218	80021	09414	785//	08000	81820	87628	
Ringway	334	72508	68026	09013	65401	10201	81615	86640	
Squires Gate	318	72715	82032	08014	784//	09205	86813	87630	
Ronaldsway	204	72415	82032	07113	784//	09802	82712	83626	85631
Mull of Galloway	131	72520	82026	06119	6553/	08704	86625	87360	
Eskdalemuir	162	72715	75258	04511	784//	09803	82712	85820	85640
Prestwick	135	72513	80025	04613	754/1	09500	84713	85620	
Abbotsinch	140	72410	70216	03613	784/8	10501	81711	86634	
Leuchars	171	72409	70031	02012	55402	11504	81615	85635	87075
Dyce	091	80000	80034	01207	6567/	07607	86645	86359	
Lerwick	005	83213	45515	97110	853//	09703	81706	86707	88618
Wick	075	72805	84022	00909	756//	08804	87640		
Sule Skerry	010	83207	84022	00811	855//	07711	88625		
Cape Wrath	049	82304	82031	01010	856//	08709	88630		
Stornoway	026	81404	80021	00511	854//	09714	83618	88626	
Benbecula	022	82414	50506	00212	853//	12612	83706	84616	88625
Tiree	100	82312	60626	02012	6547/	11710	82710	86626	88459
Aldergrove	917	71910	80211	05711	753//	09713	82708	85712	87622
Malin	980	72118	65215	03413	7647/	12612	87715	87459	
Belmullet	976	62516	80256	06313	635//	10603	85920	83920	
Birr	965	72112	75216	08312	764//	11615	85714	87633	
Dublin	969	72316	82216	07912	6543/	08610	83716	86628	
Shannon	962	72714	82206	09414	754//	11507	83714	83618	85626
Roches Point	952	82011	58505	10913	864//	12613	86710	88635	
Valentia	953	72812	82256	11614	785//	10303	83821	87630	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00110	09	+	+
Hurn	862	00120	10	+	+
Manston	797	00110	09	+	+
Gatwick	776	00090	09	+	+
Kew	775	00120	09	+	+
Heathrow	772	00120	09	+	+
Honington	586	00130	10	+	+
Wattisham	590				
Gorleston	497				
Aberporth	502	97120	11	+	ir.
Filton	628	00130	11	+	+
Rhoose	715	00130	11	+	+
Hartland Point	703	00130	12		
Mount Batten	827	97140	11	+	d.
St. Mawgan	817	00141	12	+	+
Scilly	804	00140	13	+	+
Culdrose	809	00120	10	+	+
Guernsey	894	00120	10	+	+
Elmdon	534	97120	09	r.ir.	jp
Cardington	559	97120	09	r.	+
Wittering	462	00130	11	+	+
Watnall	354	97120	11	ir.	+
Shawbury	414	97130	10	r.	+
Finningley	360	00110	06	+	+
Spurn Point	396			ir.	+
Leeming	257	00121	07	+	+
Tynemouth	262	00111	09	+	+
Carlisle	222	93131	11	+	r.Rr.rpr.
Valley	302	92131	12	+	ir.
Ringway	334	02121	11	d.rRr.rd.	d.d.
Squires Gate	318	00131	13	+	+
Ronaldsway	204	01121	10	+	RDR
Mull of Galloway	131	02131			
Eskdalemuir	162	01111	10	r.drpr.	pr.
Prestwick	135	02111	11	d.	rRrd.r.
Abbotsinch	140	01121	11	+	d.r.d.r.r.r.
Leuchars	171	00091	07	+	+
Dyce	091	97031	51	f	fr.
Lerwick	005	01091	09	d.d.	d.d.
Wick	075	00050	03	+	+
Sule Skerry	010				
Cape Wrath	049	00090	08	+	+
Stornoway	026	92071	03	+	r.
Benbecula	022	02111	10	+	rRd.r.
Tiree	100	04111	11	r.rd.r.	id.rr.Rr.
Aldergrove	917	97110	09	+	r.
Malin	980	0111	10		
Belmullet	976	0112	10		
Birr	965	9511	10		
Dublin	969	9711	09		
Shannon	962	9110	10		
Roches Point	952	9711	09		
Valentia	953	0212	09		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	19001	71607	98022	17011	72500	00704	87829	/////	05208	11234	3//01	///03
L	99569	70198	19004	63217	97151	05311	684//	71143	83815	85630	0//09	11291	30604	25804
M	99648	10022	19004	31416	97015	96410	38471	00317	81815	83625	0//08	11127	30503	04909
R	99471	70167	19004	82612	97616	19717	855//	00004	88630	/////	0/17	11754	30000	29703

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	19061	81209	98022	12211	855//	00724	88623	/////	05211	11234	3//04	/////
L	99570	70201	19064	33123	98018	07612	38401	00108	83816	/////	0//08	11311	30704	25804
M	99647	10022	19064	10115	99020	96911	00901	00002	81070	/////	0//09	11120	30402	04006
R	99471	70165	19064	83010	98026	18716	855//	00703	88630	/////	0/16	11717	30000	29803

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bra

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42244

Date of Issue WEDNESDAY 20 JULY 1977

OBSERVATIONS at 12h. 19 JULY 1977

Code FM 11.V

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	72409	82022	12516	785//	11103	83820	85626	86645
Hurn	862	72314	80012	13316	785//	11101	82825	85630	87635
Manston	797	72214	80031	11318	58532	10801	85822	83075	
Gatwick	776	72513	82031	12517	786//	11801	82830	87645	
Kew	775	72711	81021	11918	785//	09801	83825	87630	
Heathrow	772	72511	81031	11519	785//	09001	81825	87630	
Honington	586	72315	81021	09718	646/2	07400	86630	83080	
Wattisham	590								
Gorleston	497	72611	66021	09717	4553/	09400	84625	86360	
Aberporth	502	82413	58606	10115	852//	14608	86705	88618	
Filton	628	82816	80031	11816	885//	12301	83820	86635	88650
Rhoose	715	72616	81028	11717	6843/	12803	82814	86626	
Hartland Point	703	82622	80032	12415	4847/	13802	81815	84638	88360
Mount Batten	827	72416	81025	13916	6853/	13702	82825	85635	87360
St. Mawgan	817	72617	82012	13418	48442	13803	82815	83640	
Scilly	804	72514	80032	15017	785//	15603	81820	87625	
Culdrose	809	62516	70022	13717	38530	13704	82820	84360	
Guernsey	894	72213	84022	15915	786//	12001	81830	87645	
Elmdon	534	72313	72022	09618	38536	10806	81828	83635	86272
Cardington	559	72712	75022	10419	51604	11805	85830	86075	
Wittering	462	72416	84022	09217	48606	08803	82835	84645	87275
Watnall	354	72414	81212	08717	38578	08803	82825	86360	87272
Shawbury	414	72516	81032	08916	784//	12807	83817	87622	
Finningley	360	72516	70022	07718	38678	09707	81830	85362	87275
Spurn Point	396	72518	66012	08016	45642	09001	84630	87075	
Leeming	257	72318	82032	06115	785//	11704	85820	87640	
Tynemouth	262	62613	80022	04517	656//	10607	86635		
Carlisle	222	82311	62618	04314	883//	12807	82708	83710	88640
Valley	302	22318	80016	08117	18402	10705	81818		
Ringway	334	82113	75212	08315	5547/	10806	82618	85625	88459
Squires Gate	318	72420	75216	07117	7853/	13805	82820	83635	85650
Ronaldsway	204	12217	82016	05516	18402	12805	81816		
Mull of Galloway	131	62323	82012	04114	625//	11810	86825		
Eskdalemuir	162	62213	70258	03313	684/2	11812	83714	84824	85640
Prestwick	135	62616	62256	02816	684//	10708	81710	84820	
Abbotsinch	140	72414	80256	02114	694/3	11808	81916	84822	85645
Leuchars	171	62419	84038	01017	48430	11706	83816		
Dyce	091	70906	75216	99514	38370	11710	82707	86359	85365
Lerwick	005	82708	30515	97410	871//	10500	86702	88708	
Wick	075	71605	83022	99412	755//	08706	83625	87640	
Sule Skerry	010	83202	84022	99712	885//	10605	82820	88625	
Cape Wrath	049	80902	48632	00009	874//	09703	88715		
Stornoway	026	80808	50636	99410	872//	10703	83705	88712	
Benbecula	022	72307	70256	99413	5346/	11502	81710	84918	
Tiree	100	62417	82036	00215	43402	12704	82918	84072	
Aldergrove	917	62414	65258	04015	634//	09804	82918	84824	
Malin	980	72721	80256	02614	695/3	10504	86920		
Belmullet	976	72519	76808	06115	734//	12500	82718	85920	84920
Birr	965	52713	84038	08116	585//	11708	83822	83636	
Dublin	969	62520	86806	06417	625//	09705	86825		
Shannon	962	72720	82258	09516	735//	11703	85824	83640	82924
Roches Point	952	72514	75025	10818	584/1	08201	85816	83073	
Valentia	953	52515	82021	12215	58500	12202	83824	83632	

OBSERVATIONS at 18h. 19 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	72314	62212	10415	572/8	14609	82705	83708	87272
Hurn	862	82315	68032	11616	854//	13710	88612		
Manston	797	52017	81022	10417	18438	11707	81818	85272	
Gatwick	776	62215	82022	11017	38532	12709	81822	85075	
Kew	775	72111	80022	10118	28532	12713	81825	87073	
Heathrow	772	72112	80022	09419	28502	12717	81826	87075	
Honington	586	72112	80022	07719	14658	10610	81640	87364	87278
Wattisham	590								
Gorleston	497	82115	66032	07919	22507	11711	82825	88275	
Aberporth	502	12419	86026	09216	18532	11705	81822		
Filton	628	42516	83036	09916	31401	12605	83818		
Rhoose	715	42719	82016	10216	48408	10505	84816		
Hartland Point	703	22920	85016	11715	18531	12000	81820		
Mount Batten	827	72713	83026	12517	58431	12802	81712	84630	
St. Mawgan	817	52715	82026	12916	34431	11501	82814		
Scilly	804	32914	80016	15017	28509	11400	82820		
Culdrose	809	62813	80025	13316	58401	10502	81818	84635	
Guernsey	894	72417	83022	14715	756//	12708	87642		
Elmdon	534	32716	80256	07417	38401	12609	83816		
Cardington	559	72517	85022	08218	755//	13713	85625	87635	
Wittering	462	62215	72258	06818	38502	15712	83828	83075	
Watnall	354	22309	65018	06317	24661	14611	81830		
Shawbury	414	42518	82018	06817	48600	11606	83830		
Finningley	360	32815	82028	05219	38602	08611	83832		
Spurn Point	396	52314	66031	05818	22571	12716	82825	84360	
Leeming	257	62513	84021	04417	68600	09803	84835	84650	
Tynemouth	262	52715	80258	03216	43630	09601	84930		
Carlisle	222	72508	58958	03313	794//	11701	81715	87920	
Valley	302	62315	82011	06616	685//	10604	82820	86650	
Ringway	334	52610	82036	05818	58600	10607	83830	83650	
Squires Gate	318	72520	59801	05417	785//	12509	83820	87640	
Ronaldsway	204	52414	82018	04015	59502	12611	81920	84645	
Mull of Galloway	131	72107	80818	04113	794//	10008	87915		
Eskdalemuir	162	72116	70809	02212	695/3	09707	85922		
Prestwick	135	32516	83019	02015	29402	10704	81918		
Abbotsinch	140	72613	70808	01215	59462	09301	81918	85826	
Leuchars	171	32515	84018	99616	19563	07605	81920	83072	
Dyce	091	72902	57809	98712	733//	11701	81707	87912	
Lerwick	005	82510	60636	97410	5722/	10400	83703	85708	88540
Wick	075	70604	81025	99311	754//	07303	83618	83625	87640
Sule Skerry	010	83209	84022	99512	885//	08501	83820	88625	
Cape Wrath	049	81402	66616	00110	874//	09303	88715		
Stornoway	026	83509	65616	00810	853//	10311	82709	85614	88625
Benbecula	022	73414	83018	00913	784//	09113	81816	87640	
Tiree	100	22917	83038	01714	18402	11209	81818		
Aldergrove	917	52719	80018	04315	59500	10311	83920	83830	
Malin	980	72717	84038	03914	734//	10211	83716	85820	81920
Belmullet	976	82618	72808	08014	834//	11003	83717	84920	85638
Birr	965	72814	83258	08415	725//	10107	87822		
Dublin	969	62821	58808	06115	635//	12210	86825	82925	
Shannon	962	53018	82028	10315	585//	10208	82825	83645	
Roches Point	952	62718	82028	10817	685//	10206	86821		
Valentia	953	72915	82258	13014	725//	11306	87820		

OBSERVATIONS during DAY

Station	iii	RRT_xT_E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	93191	030 +	r.drd.r.	
Hurn	862	97180	021 +	d.r.	
Manston	797	00200	100 +	+	
Gatwick	776	97190	067 +	d.r.	
Kew	775	97190	071 +	r.	
Heathrow	772	97200	065 +	pr.	
Honington	586	97210	040 +	pr.	
Wattisham	590				
Gorleston	497		040		
Aberporth	502	04171	066	ir.irid.	+
Filton	628	91190	052 +	d.r.drr.	
Rhoose	715	91180	060	pr.d.r.	d.r.
Hartland Point	703	91160	069		
Mount Batten	827	91170	030	r.	r.
St. Mawgan	817	95191	038	d.d.r.r	jp
Scilly	804	01170	034	ir	pr.
Culdrose	809	01181	047	id.	id.
Guernsey	894	92171	001 +	d.r.	
Elmdon	534	97200	067 +	r.pr.	
Cardington	559	97210	086 +	r.	
Wittering	462	93211	076 +	pr.prpr.	
Watnall	354	03191	041	d.r.pr.	pr.pr
Shawbury	414	97190	049	pr.	pr.
Finningley	360	97211	060	pr.	pr.
Spurn Point	396		+		pr.
Leeming	257	01191	069	jp	pr.
Tynemouth	262	91191	044 +		pr.
Carlisle	222	02171	042	d.r.ir.	pRtl.Rtl.rtl.
Valley	302	95171	067	ir.	pr.
Ringway	334	97191	050	r.	pr.
Squires Gate	318	91191	055	r.	pr.
Ronaldsway	204	01171	063	DRr.pr.	pr.
Mull of Galloway	131	05151			
Eskdalemuir	162	04171	041	pr.tl.r	tl.rpr.
Prestwick	135	04171	065	pr.tlr.	jp
Abbotsinch	140	01170	048	r.d.r.pr.	pr.
Leuchars	171	97190	072	pr.	+
Dyce	091	13171	020	r.pr.tl.R	tl.rrpr.pr
Lerwick	005	10102	000	id.d.d.d.r.	r.r.rr
Wick	075	92131	000	id.	ir.
Sule Skerry	010	00130			
Stornoway	049	01131	000	ir.rr	r.r.
Benbecula	026	12111	000	r.rrdd	d.r.
Tiree	022	01151	013	pr.	pr.
Aldergrove	100	92161	076	jp	pr.pr
Malin	917	01191	081	pr.pr	pr.
Belmullet	980	0116	077		
Birr	976	0216	069		
Dublin	965	9618	057		
Shannon	969	0119	083		
Roches Point	962	0217	050		
Valentia	952	9719	081		
	953	9317	056		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

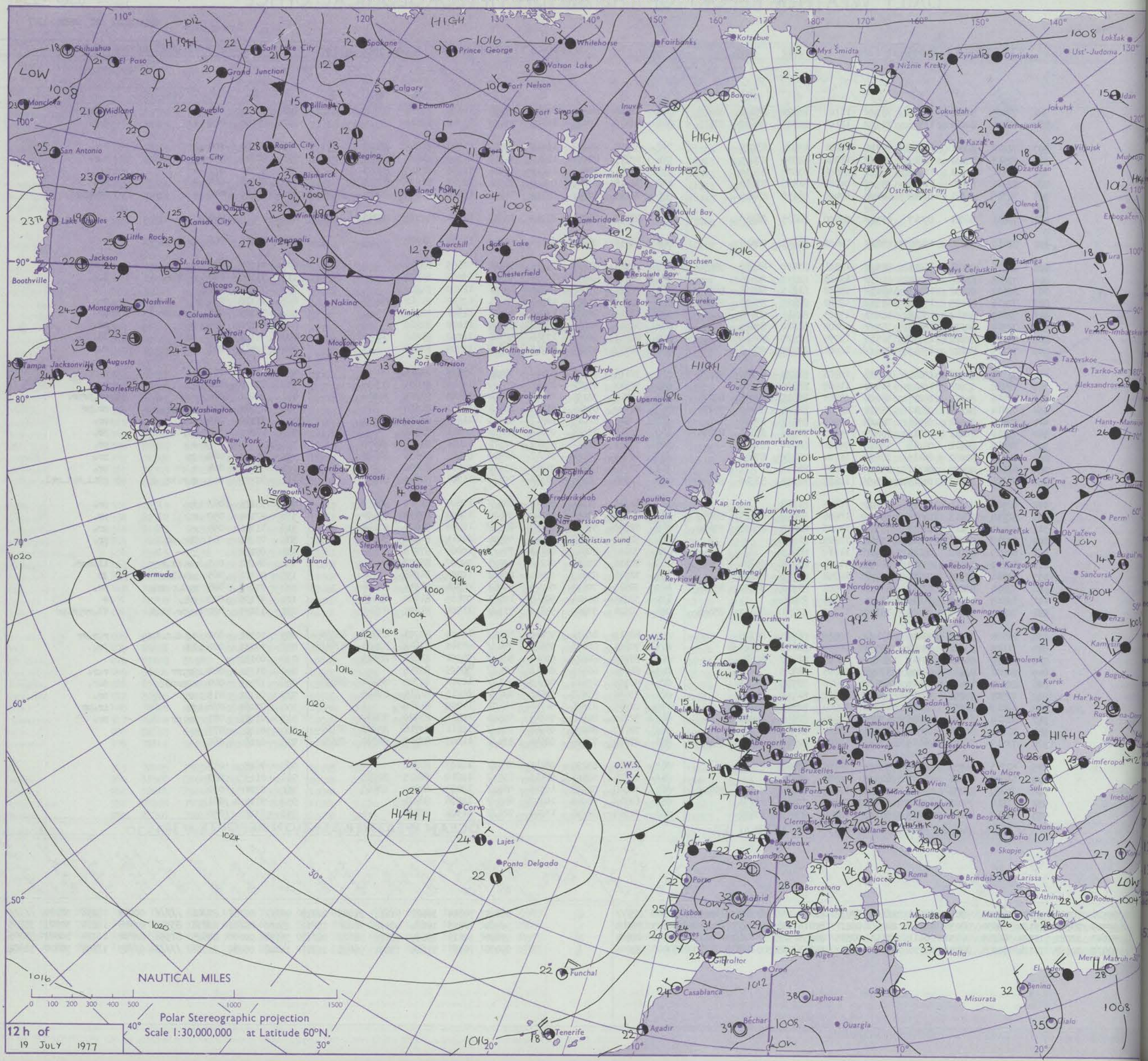
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	19121	91209	93475	06512	9////	00732	89/06	/////	00112	11227	30604	/////
L	99569	70199	19124	63030	98038	10612	2845/	00217	82816	86358	0//07	11292	30805	99/04
M	99647	10021	19124	40214	99030	96411	40932	00505	84358	/////	0//10	11154	30402	04804
R	99470	70167	19124	80205	98022	20716	884//	00211	84813	88630	0//15	11709	30000	31093

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	19181	91611	91475	01913	9////	00719	89/01	/////	00213	11256	30705	/////
L	99569	70199	19184	43118	98020	13212	28430	00211	82818	83362	0//09	11296	30505	35705
M	99646	10019	19184	73511	98022	96711	35570	00000	83625	87358	0//10	11170	30503	03905
R	99470	70167	19184	13604	96011	21117	11440	00000	81816	/////	0//13	11751	30000	31902

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH
LOW
Chihuahua
El Paso
Salt Lake City
Spokane
Prince George
Whitehorse
Watson Lake
Fort Nelson
Calgary
Edmonton
Fairbanks
Kotzebue
Barrow
Inuvik
Mys Šmidta
Nižnie Kresty
Zyrjanka
Ojmjakon
Ust'-Judoma
Lokčak
Monclova
Midland
Grand Junction
Pueblo
Billings
Rapid City
Regina
Fort Simpson
Sachs Harbour
Coppermine
Cambridge Bay
Mould Bay
Isachsen
Resolute Bay
Eureka
Alert
Thule
Arctic Bay
Baker Lake
Churchill
Chesterfield
Winisk
Coral Harbour
Nottingham Island
Port Harrison
Clyde
Cape Dyer
Upernavik
Fort Chimo
Resolution
Fegedesminde
Nord
Danmarkshavn
Daneborg
Barencburg
Hopen
Mys Čeljuskin
Uedmeniya
Tiksan Ostrov
Russkaja Gavan'
Tazovskoe
Tarko-Sale
Mare Sale
Malye Karmakuly
Ostrov Vize
Ostrov Dikson
Ostrov Cetel'nyj
Olenek
Jakutsk
Verchojansk
Kazač'e
Čokurdah
Ojmjakon
Oždardžan
Vilujsk
Idan
Mukuja
Embogačen
Tura
Hatanga
Vankarem
Ostrov Vrangelja
Ostrov Herald
Ostrov Wrangel
Point Barrow
Kaktovik
Aklavik
Inuvik
Tuktoyaktuk
Cambridge Bay
Gjoa Haven
Taloyoak
Pelly Bay
Lake Harbour
Frobisher
Cape Dyer
Fort Chimo
Resolution
Port Harrison
Nottingham Island
Coral Harbour
Winisk
Moosonee
Nakina
Churchill
Baker Lake
Chesterfield
Resolute Bay
Eureka
Alert
Thule
Arctic Bay
Mould Bay
Isachsen
Cambridge Bay
Coppermine
Sachs Harbour
Inuvik
Fort Simpson
Fort Nelson
Watson Lake
Whitehorse
Prince George
Spokane
Calgary
Edmonton
Billings
Rapid City
Regina
Bismarck
Winnipeg
Omaha
Minneapolis
Kansas City
Dodge City
Fort Worth
Lake Charles
Little Rock
Jackson
St. Louis
Chicago
Nashville
Columbus
Detroit
Toronto
Ottawa
Montreal
Pittsburgh
Washington
Norfolk
New York
Charleston
Augusta
Jacksonville
Tampa
Montgomery
Boothville
San Antonio
Midland
Monclova
Chihuahua
El Paso
Salt Lake City
Grand Junction
Pueblo
Billings
Rapid City
Regina
Bismarck
Winnipeg
Omaha
Minneapolis
Kansas City
Dodge City
Fort Worth
Lake Charles
Little Rock
Jackson
St. Louis
Chicago
Nashville
Columbus
Detroit
Toronto
Ottawa
Montreal
Pittsburgh
Washington
Norfolk
New York
Charleston
Augusta
Jacksonville
Tampa
Montgomery
Boothville
San Antonio
Caribou
Anticosti
Goose
Yarmouth
Stephenville
Gander
Cape Race
Sable Island
Bermuda
Fredrikshab
Aputiteq
Angmagssalik
Kap Tobin
Jan Mayen
Reykjavik
Galtarvik
Thorshavn
Lerwick
Stornoway
Oslo
Stockholm
København
Helsinki
Myken
Nordoya
Ona
Vaasa
Oskarshamn
Vyborg
Leningrad
Murmansk
Archangel'sk
Reboly
Kargopol'
Vologda
Sančursk
Ob"jačevo
Perm'
Bugul'ma
Saratov
Penza
Moskva
Kamyšin
Smolensk
Kursk
Har'kov
Rostov-na-Donu
Simferopol'
Inebolu
Sulina
Constanta
Bucuresti
Beograd
Istanbul
Sofia
Skopje
Larissa
Athinai
Rodos
Iraklion
Mathraki
Merca Matruh
El Adem
Benina
Misurata
Malta
Tunis
Gabès
Alger
Oran
Gibraltar
Tenerife
Agadir
Casablanca
Laghouat
Béchar
Ouargla
Ghadames
Djanet
Tamanrasset
Funchal
Ponta Delgada
Lajes
Corvo
Lisboa
Porto
Madrid
Barcelona
Mahon
Alicante
Santander
Bordeaux
Brest
Paris
Clermont-Ferrand
Toulouse
Nice
Ajaccio
Roma
Genova
Milano
Ancona
Brindisi
Zagreb
Klagenfurt
Wien
München
Praha
Hannover
Hamburg
Berlin
Warszawa
Łódź
Gdańsk
Manchester
Aberporth
Holyhead
Valentia
Belmullet
Stornoway
Lerwick
Thorshavn
Reykjavik
Galtarvik
Aputiteq
Angmagssalik
Kap Tobin
Jan Mayen
Danmarkshavn
Daneborg
Barencburg
Hopen
Bjornoya

18h of 19TH JULY 1977

00h of 20TH JULY 1977

06h of 20TH JULY 1977

Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday WEDNESDAY 20 JULY 1977

During the past 24 hours a complex depression remained slow-moving over Norway, whilst a shallow secondary low moved east from near the Hebrides to the northern North Sea. An associated trough of low pressure moved eastwards over the British Isles. During the next 24 hours pressure will remain low over the Norwegian Sea, and high near the Azores, maintaining a northwesterly airstream over Great Britain.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V

OBSERVATIONS at 00h. 20 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	02310	82021	11209	00900	08500			
Hurn	862	12409	81026	11812	15600	09004	81635		
Manston	797	72210	75012	09714	755//	12801	83622	87635	
Gatwick	776	02410	70026	10811	00900	10002			
Kew	775								
Heathrow	772	02407	81028	10212	00900	10105			
Honington	586	22212	80018	08012	00902	09003	82072		
Wattisham	590								
Gorleston	497	02311	66018	07515	00900	10400			
Aberporth	502	42717	80021	10313	48500	11310	81820	84635	
Filton	628	52613	80021	10014	58400	12704	84817		
Rhoose	715	22713	72011	10314	21400	12301	82812		
Hartland Point	703	52818	82031	12114	55400	13302	83712	85625	
Mount Batten	827	42614	75011	13114	45500	12101	84629		
St. Mawgan	817	62814	75258	13313	684//	12003	84815	83620	
Scilly	804	63018	80808	15514	685//	12105	85820		
Culdrose	809	22811	80011	14013	28400	11004	81818		
Guernsey	894	42711	81016	14513	46300	12101	83708		
Elmdon	534	62410	80031	08313	656//	09302	82635	85650	
Cardington	559	02611	65026	08812	00900	11101			
Wittering	462	12313	80021	07512	15700	10001	81650		
Watnall	354	32405	66011	07112	35600	10301	83630		
Shawbury	414	72510	78038	07513	785//	11303	81825	87650	
Finningley	360	22510	80018	05413	25600	10501	82640		
Spurn Point	396	62310	64028	05714	3256/	10801	82825	85360	
Leeming	257	22708	82018	04412	28500	09500	81820		
Tynemouth	262	12710	80028	02812	10930	09601	81358		
Carlisle	222	62607	70039	03712	58532	10204	81820	84645	
Valley	302	32513	75018	08014	25601	09206	82632		
Ringway	334	72712	81028	06613	784//	11304	81818	87650	
Squires Gate	318	62816	82028	05814	634//	10207	81915	86650	
Ronaldsway	204	72512	84038	05613	785//	10002	82822	87640	
Mull of Galloway	131	82415	84216	05312	874//	10005	88715		
Eskdalemuir	162	42408	65028	03510	48400	08104	83714	83820	
Prestwick	135	62710	82031	03313	684//	10104	81712	83614	86640
Abbotsinch	140	62408	81038	02512	685//	09303	82824	83628	
Leuchars	171	42207	80011	00709	29533	08106	81920	83075	
Dyce	091	53103	75018	99710	58500	09102	82820	84635	
Lerwick	005	82709	56616	97910	6712/	10204	83702	85710	88540
Wick	075	72905	80026	00010	754//	09102	83618	87626	
Sule Skerry	010	73210	81022	00511	785//	09206	84820	87625	
Cape Wrath	049	73208	82026	00911	755//	09205	87620		
Stornoway	026	72907	80026	02510	784//	09209	81818	84625	85635
Benbecula	022	73016	75258	03611	784//	10211	85815	87630	
Tiree	100	73413	70808	03812	784//	10212	81710	83816	86630
Aldergrove	917	62815	80258	04612	3344/	11504	81712	82918	85358
Malin	980	73316	82028	04213	784//	10308	82715	84819	85640
Belmullet	976	52915	75018	09812	534//	10212	81717	83820	81920
Birr	965	72810	70808	09813	785//	10205	85820	87636	
Dublin	969	82616	80508	07612	854//	10301	85715	86623	
Shannon	962	32812	80018	11613	35600	10206	83633		
Roches Point	952	52409	80018	13112	58400	10009	81819	85640	
Valentia	953	33013	80018	14014	32500	10208	83824		

OBSERVATIONS at 06h. 20 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	42609	82038	10812	38401	11205	81815	83630	
Hurn	862	52306	75011	11613	58400	11306	81818	85640	
Manston	797	72208	80031	09712	785//	10102	81820	87640	
Gatwick	776	62507	68251	10812	68400	11307	81715	85650	
Kew	775	22405	74020	10413	28430	10304	81815		
Heathrow	772	22508	70011	10213	28400	11307	81812		
Honington	586	72408	70606	07912	756//	11203	82640	87650	
Wattisham	590								
Gorleston	497	72507	66022	07513	4566/	10204	84630	86360	
Aberporth	502	72820	80022	11012	784//	10307	83712	87645	
Filton	628	22709	80011	10513	28401	10204	81815		
Rhoose	715	72912	80038	11013	784//	09306	83818	87640	
Hartland Point	703	73215	85028	12213	78531	11303	82820	87640	
Mount Batten	827	72608	58101	13313	784//	12206	85710	86828	86656
St. Mawgan	817	73014	80028	13514	784//	11306	82814	87635	
Scilly	804	53011	80258	15713	58460	13304	83818	85625	
Culdrose	809	42809	80020	14213	48400	11203	81815	83820	
Guernsey	894	62615	80031	14113	68401	12301	82812	86642	
Elmdon	534	72508	75028	08513	785//	10304	81822	87650	
Cardington	559	72710	62036	08913	757//	11305	87650		
Wittering	462	32411	80021	07912	35701	10305	83650		
Watnall	354	72507	75031	07512	68532	10109	81820	86650	
Shawbury	414	52507	81011	08012	38502	10304	81822	83635	85075
Finningley	360	72510	80031	06013	5857/	10302	83821	84635	86362
Spurn Point	396	62513	64011	06013	4567/	10206	84630	86360	
Leeming	257	71605	56801	04611	784//	11301	84814	87645	
Tynemouth	262	32811	81020	04012	30938	10106	83358		
Carlisle	222	72505	80032	04811	784//	10313	81710	83627	86645
Valley	302	82920	65031	08213	884//	11304	84810	88615	
Ringway	334	72410	62808	07012	784//	11103	86812	87618	
Squires Gate	318	82719	60618	05913	882//	12305	83705	86810	88630
Ronaldsway	204	73115	81016	06813	28332	10316	81708	86359	
Mull of Galloway	131	63418	80012	06611	654/1	10319	81710	83620	86635
Eskdalemuir	162	62810	80011	04611	38472	07214	81714	83364	85075
Prestwick	135	73216	82022	05912	684/1	08021	84816	85638	87075
Abbotsinch	140	72806	83022	04811	38572	08316	82822	83362	86072
Leuchars	171	72505	84021	03412	7557/	09319	83624	86650	
Dyce	091	82707	75606	02310	854//	09212	81715	86645	88656
Lerwick	005	70108	82036	00111	7843/	10317	81812	87635	
Wick	075	73010	80216	01110	754//	10307	83712	85618	87625
Sule Skerry	010	73212	74036	01511	785//	11212	83820	87625	
Cape Wrath	049	83404	82606	02410	875//	10215	88720		
Stornoway	026	73511	65808	03611	783//	11309	82708	85815	87625
Benbecula	022	83020	50808	05411	883//	11311	83706	85812	88635
Tiree	100	73217	80258	06311	734//	10212	81915	83820	86640
Aldergrove	917	73010	60808	08311	783//	10225	83709	84818	85630
Malin	980	73016	83258	08213	784//	09217	85817	86635	
Belmullet	976	73212	75258	12712	735//	10317	84820	85640	81920
Birr	965	32908	75018	12110	35600	09316	83638		
Dublin	969	62816	82016	09611	45432	10219	81712	83640	85070
Shannon	962	13008	80016	13612	18500	10215	81820		
Roches Point	952	62813	75801	14212	58402	10309	83714	83640	
Valentia	953	73012	65258	15813	784//	11213	82713	84821	85645

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	97081	04	pr.	jp
Hurn	862	00110	09	+	+
Manston	797	00100	09	+	+
Gatwick	776	97090	06	+	pr.
Kew	775	00120	10	+	+
Heathrow	772	00110	09	+	+
Honington	586	97110	09	+	r.
Wattisham	590				
Gorleston	497				
Aberporth	502	00121	11	+	+
Filton	628	00120	10	+	+
Rhoose	715	01121	09	+	pr.prpr.
Hartland Point	703	97130	11		
Mount Batten	827	97130	11	+	pr.
St. Mawgan	817	01131	12	pr.pr	pr.
Scilly	804	93121	11	pr.	pr.
Culdrose	809	91121	10	+	pr.
Guernsey	894	00121	10	+	+
Elmdon	534	91121	09	pr.	pr.
Cardington	559	97110	09	+	r.
Wittering	462	00111	09	+	+
Watnall	354	00110	08	+	+
Shawbury	414	97110	08	pr.	pr.
Finningley	360	93111	08	pr.	pr.pr
Spurn Point	396			pr.	+
Leeming	257	03111	07	pr.	pr.pr
Tynemouth	262	00110	08	+	+
Carlisle	222	00101	06	+	+
Valley	302	97131	11	+	pr.
Ringway	334	02111	11	pr.	pr.dr
Squires Gate	318	01131	12	pr.	pr.prr.r.r
Ronaldsway	204	94121	10	+	r.prpr.
Mull of Galloway	131	02101			
Eskdalemuir	162	94091	07	pr.	+
Prestwick	135	00121	10	+	jp
Abbotsinch	140	97091	08	+	pr.
Leuchars	171	00090	07	jp	+
Dyce	091	01091	05	prpr.d.r.	d.ir.
Lerwick	005	05091	07	rrr.r.	+
Wick	075	01091	08	ir.r.r.	r.r.d.r.pr.
Sule Skerry	010	02092	09		
Cape Wrath	049	01082	07	ir.	id.
Stornoway	026	01101	09	pr.	pr.
Benbecula	022	96111	09	pr.	pr.
Tiree	100	94101	09	pr.	pr.
Aldergrove	917	01100	09	pr.prpr.	pr.
Malin	980	14111	10		
Belmullet	976	92101	09		
Birr	965	03091	08		
Dublin	969	97101	10		
Shannon	962	01111	09		
Roches Point	952	97100	08		
Valentia	953	02121	11		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	$D_vs_ap_p$	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	20001	82210	96286	00313	863//	00312	88708	/////	00113	11250	3//05	/////
L	99569	70198	20004	23111	98010	15512	28400	71216	81815	/////	0//08	11311	30504	35705
M	99647	10020	20004	83316	98026	96509	853//	00702	85707	88615	0//08	11166	30403	03904
R	99472	70167	20004	71903	98022	22316	3565/	00305	83640	87360	0//14	11742	30000	31902

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	$D_vs_ap_p$	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	20061	52409	98011	04711	25502	00224	82628	/////	00011	11168	3////	///0
L	99571	70202	20064	70000	98031	16011	18401	00305	81815	87075	0//08	11307	30100	99/0
M	99651	10019	20064	73410	98016	96309	65430	00303	86616	87538	0//09	11127	30302	0280
R	99472	70166	20064	72606	97035	22017	764//	00500	84713	83620	0//17	11734	30000	3580

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. 8

All times of

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42245

Date of Issue THURSDAY 21 JULY 1977

Code FM 11.V **OBSERVATIONS at 12h.** 20 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	62713	84258	12117	685//	11307	83824	85645	
Hurn	862	52812	82852	13017	58530	11204	82825	83648	
Manston	797	62712	84031	10419	685//	08302	83826	85645	
Gatwick	776	72810	82251	11617	786//	10305	83832	87650	
Kew	775	72608	81021	11417	785//	08104	82822	83630	87650
Heathrow	772	72711	81801	11017	785//	09204	84828	86650	
Honington	586	72617	81028	09317	785//	07309	83824	87650	
Wattisham	590								
Gorleston	497	72710	66152	09117	735//	08207	87925		
Aberporth	502	22812	82011	14615	28500	11219	81823		
Filton	628	72816	84011	12816	785//	11313	85825	86645	
Rhoose	715	72917	82038	13416	785//	09212	85822	84640	
Hartland Point	703	43208	87021	15715	42500	11221	84820		
Mount Batten	827	73016	68258	16016	68531	13311	83825	84645	
St. Mawgan	817	52916	86252	16314	58430	12210	81710	83815	
Scilly	804	23216	80028	18817	22400	11214	82818		
Culdrose	809	63120	80158	16816	52501	11213	85820		
Guernsey	894	22717	83011	16416	18430	11107	81815		
Elmdon	534	73120	78258	10416	734//	09213	81918	86645	
Cardington	559	72912	60258	10415	784//	13308	82810	83825	87650
Wittering	462	72816	82258	09616	785//	10212	84825	87650	
Watnall	354	72910	81252	09316	785//	09312	83820	85650	
Shawbury	414	73215	81258	11317	785//	10223	84820	87645	
Finningley	360	72916	83038	08217	785//	09313	82825	87640	
Spurn Point	396	42910	75016	07817	49570	11212	84925		
Leeming	257	73113	89028	07917	68502	09219	83822	85637	
Tynemouth	262	70107	81021	07613	785//	11222	83825	87635	
Carlisle	222	72710	84012	07916	785//	10214	81822	85826	85640
Valley	302	32716	84018	12717	38441	08118	82817		
Ringway	334	72914	82258	10314	785/2	10223	83822	87645	
Squires Gate	318	52916	86018	10415	48531	10122	83825		
Ronaldsway	204	73112	66158	11115	784//	10217	81711	83821	86634
Mull of Galloway	131	73320	85032	10413	48570	10216	84620	87360	
Eskdalemuir	162	72714	84252	07314	785//	09213	86824	86645	
Prestwick	135	73014	80158	09014	6843/	10317	81816	84820	85645
Abbotsinch	140	72809	82158	07715	4847/	10313	81818	84824	86360
Leuchars	171	72610	86022	05815	5857/	09212	83822	83650	85360
Dyce	091	73010	84256	04614	7843/	10214	85816	84640	
Lerwick	005	83210	82022	03312	884//	09216	81814	88630	
Wick	075	70409	83028	04814	6843/	11222	85818	83635	85359
Sule Skerry	010	83414	81022	06213	885//	11224	83820	88625	
Cape Wrath	049	73404	82026	06812	785//	10221	83820	87625	
Stornoway	026	83515	80808	07813	884//	09221	81710	86817	88630
Benbecula	022	73220	80258	09614	783//	11326	81706	84813	85630
Tiree	100	73219	66808	09514	783//	12216	82706	84815	86628
Aldergrove	917	73215	75258	11613	784//	11114	83815	86645	
Malin	980	83022	81028	11813	4847/	09218	82818	83640	88459
Belmullet	976	53016	82258	16315	535//	11216	83820	81920	
Birr	965	62911	84018	15415	685//	10216	83822	84640	
Dublin	969	62819	88018	12917	685//	09214	81622	85828	
Shannon	962	73015	65158	16916	784//	11215	82718	85826	
Roches Point	952	52922	75018	16317	584/1	09209	83816	83635	
Valentia	953	72913	82038	19015	784//	12216	83819	85645	

OBSERVATIONS at 18h. 20 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	52810	84022	14916	58500	08215	82826	84650	
Hurn	862	43016	82011	15618	48600	10313	81832	83645	
Manston	797	73014	62802	12815	5846/	11314	81715	83822	
Gatwick	776	22910	75158	13719	28500	12214	82825		
Kew	775	72907	82258	13916	785//	11216	81825	83640	86656
Heathrow	772	73011	81258	13816	7856/	12217	82826	86656	
Honington	586	42918	82018	11817	48600	06314	81832	84650	
Wattisham	590								
Gorleston	497	72603	66022	11116	755//	12212	87625		
Aberporth	502	72812	89028	16115	785//	12206	81820	87650	
Filton	628	73015	84032	15616	786//	10216	83830	87645	
Rhoose	715	72813	83258	16215	7853/	11114	81820	87648	
Hartland Point	703	63014	83021	17815	22531	12110	82820	84360	86075
Mount Batten	827	73113	82028	18217	48536	12214	83825	87275	
St. Mawgan	817	62713	82021	18815	11432	13110	81816	83360	85075
Scilly	804	43013	75030	20917	12506	14207	81824	84275	
Culdrose	809	63014	80012	19116	58502	11211	83822	84650	85070
Guernsey	894	12814	82020	18516	11400	12210	81812		
Elmdon	534	72915	81801	14016	786//	07317	84832	87645	
Cardington	559	53313	80028	13217	58600	09218	83830	84640	
Wittering	462	72916	82032	12816	786//	08220	81832	87650	
Watnall	354	82710	70038	13414	845//	08215	83821	88640	
Shawbury	414	72912	81028	14314	785//	11216	83822	87640	
Finningley	360	72917	82022	11715	786//	09217	83830	87645	
Spurn Point	396	73025	75038	11216	5356/	10218	85925	87360	
Leeming	257	52912	75158	10715	58500	11212	82820	85630	
Tynemouth	262	72709	81028	09817	3567/	10212	83630	87358	
Carlisle	222	72808	82038	10516	785//	11214	82828	86650	
Valley	302	82811	86021	15515	885//	09213	81825	86632	88650
Ringway	334	72814	75158	13414	784//	10211	86817	87645	
Squires Gate	318	73016	81032	13415	5847/	11211	84817	87360	
Ronaldsway	204	73010	65158	14314	784//	10217	81711	83817	85826
Mull of Galloway	131	73423	83022	13613	755//	12216	87620		
Eskdalemuir	162	62816	84018	10213	685//	09111	84825	83650	
Prestwick	135	73116	84038	11815	7853/	10214	81820	86640	
Abbotsinch	140	52915	82158	10414	48531	11111	82820	84645	
Leuchars	171	60000	82258	09115	685//	12222	82820	83630	85650
Dyce	091	73311	86028	08914	64432	08223	83816	86650	
Lerwick	005	73015	80808	05911	5333/	09208	81909	83815	
Wick	075	83216	60802	09512	883//	09221	82709	87812	88656
Sule Skerry	010	73418	81012	09612	38531	10212	81820	83625	85360
Cape Wrath	049	63411	82152	10211	685//	10209	84820	86625	
Stornoway	026	83315	62808	12112	884//	10218	83816	85626	88635
Benbecula	022	73115	65808	13612	784//	11218	81711	85814	87635
Tiree	100	73216	82158	14014	784//	11220	81710	83818	86640
Aldergrove	917	73113	82028	14814	4843/	10213	81715	83820	87358
Malin	980	83117	81258	15013	884//	10215	81715	85716	85640
Belmullet	976	53013	84032	18615	585//	11210	85820		
Birr	965	73111	84022	17716	785//	09212	84823	86640	
Dublin	969	53017	84018	15617	585//	07215	82828	85640	
Shannon	962	42914	87011	19116	4853/	10210	81823	83645	
Roches Point	952	62918	84012	19017	5843/	10112	84819	83643	
Valentia	953	52809	80012	20515	52400	11205	85818		

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	97190	073	pr.	+
Hurn	862	97200	096	pr.	+
Manston	797	01201	048	+	pr.pr
Gatwick	776	01201	083	pr.	pr.prpR
Kew	775	01191	073	pr.pRpr	pr.
Heathrow	772	01201	068	pr.	pr
Honington	586	97200	046	pr.	+
Wattisham	590				
Gorleston	497		016		
Aberporth	502	97171	043	pr.	+
Filton	628	00190	067	+	+
Rhoose	715	91180	049	pr.	pr.
Hartland Point	703	00160	084		
Mount Batten	827	92180	077	prpr.	+
St. Mawgan	817	97171	078	pr.	+
Scilly	804	00180	109	+	+
Culdrose	809	00180	097	+	+
Guernsey	894	00171	108	+	+
Elmdon	534	97190	045	pr.	pr.
Cardington	559	03190	075	pr.pr	+
Wittering	462	97201	065	pr.	+
Watnall	354	97180	032	pr.	pr.
Shawbury	414	92170	032	pr.pr	pr.
Finningley	360	01190	042	pr.pRpr	+
Spurn Point	396			ir.pr.	+
Leeming	257	97180	035	pr.	pr.
Tynemouth	262	97170	036	pr.	+
Carlisle	222	97170	036	pr.	+
Valley	302	00171	037	+	+
Ringway	334	95161	022	pr.	pr.
Squires Gate	318	97160	037	pr.	jp
Ronaldsway	204	92150	026	pr.	pr.
Mull of Galloway	131	00141			
Eskdalemuir	162	92151	037	pr.	pr.
Prestwick	135	97161	037	pr.	pr.
Abbotsinch	140	97170	032	pr.	pr.
Leuchars	171	01181	015	jp	pr.
Dyce	091	93171	014	r.pr.	pr.
Lerwick	005	92131	001	+	pr.id.
Wick	075	91151	009	pr.	pr.
Sule Skerry	010	00141			
Cape Wrath	049	92121	003	id.	pr.
Stornoway	026	92151	019	pr.	pr.
Benbecula	022	91151	016	pr.	pr.
Tiree	100	97161	047	pr.	jp
Aldergrove	917	93151	022	pr.	pr.
Malin	980	9314	009		
Belmullet	976	9317	082		
Birr	965	9717	036		
Dublin	969	9718	074		
Shannon	962	9718	059		
Roches Point	952	9718	078		
Valentia	953	9716	032		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 12h.**

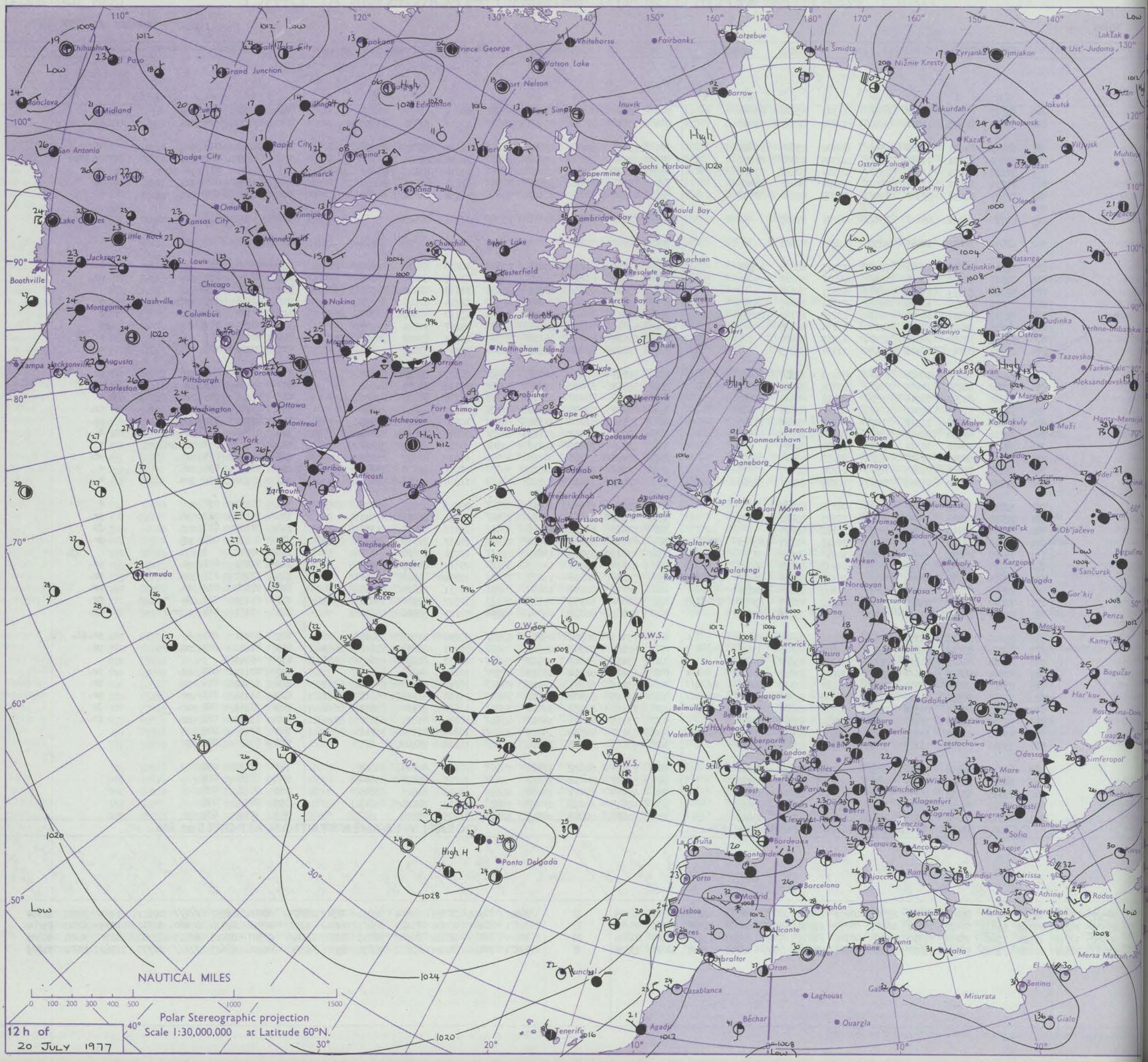
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_ap	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	20121	32006	98011	07312	22502	00212	82828	/////	00011	11256	30302	22105
L	99570	70201	20124	51611	99022	15712	18401	00701	81818	84078	0//08	11336	30401	99/04
M	99650	10019	20124	73208	98216	97310	78400	00108	84815	87625	0//09	11135	30201	01804
R	99471	70167	20124	72811	98016	23817	755//	00208	87623	/////	0//17	11729	30000	33804

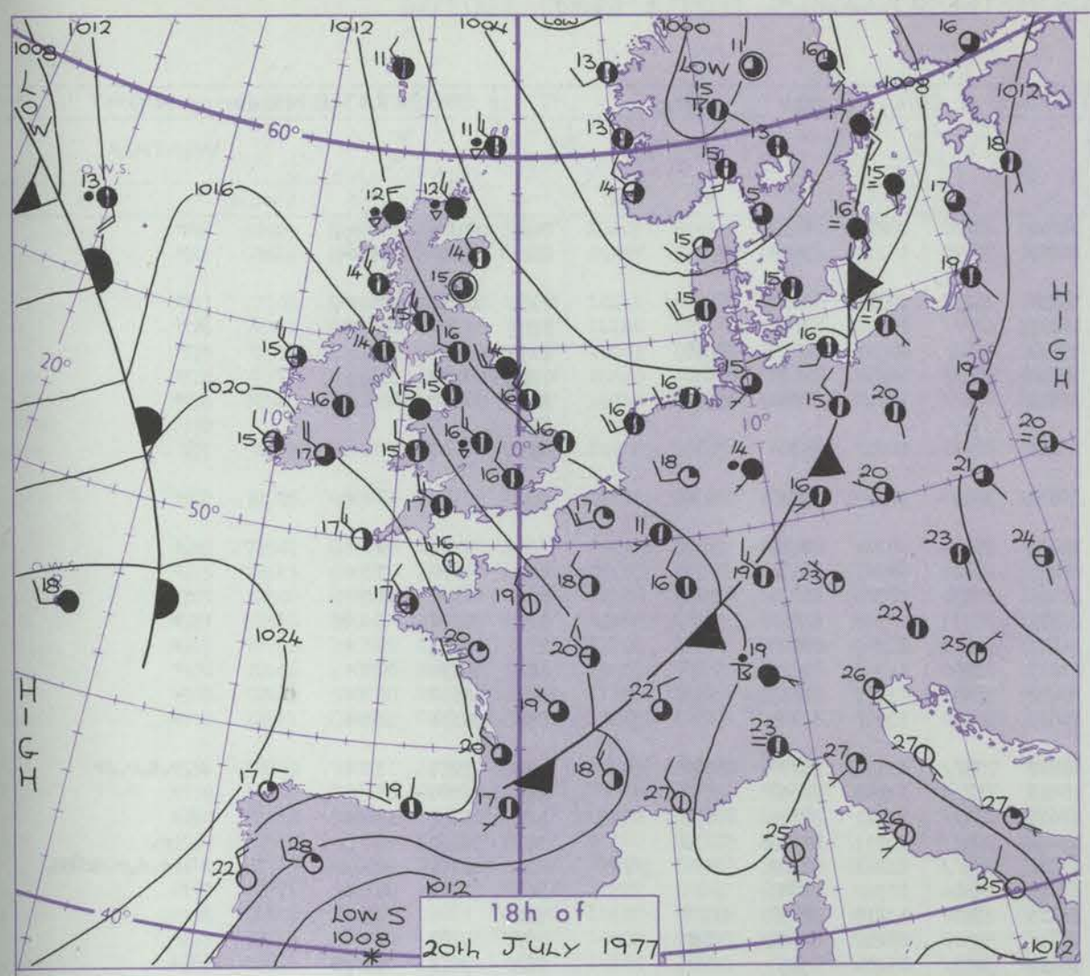
OCEAN WEATHER STATION REPORTS at 18h.

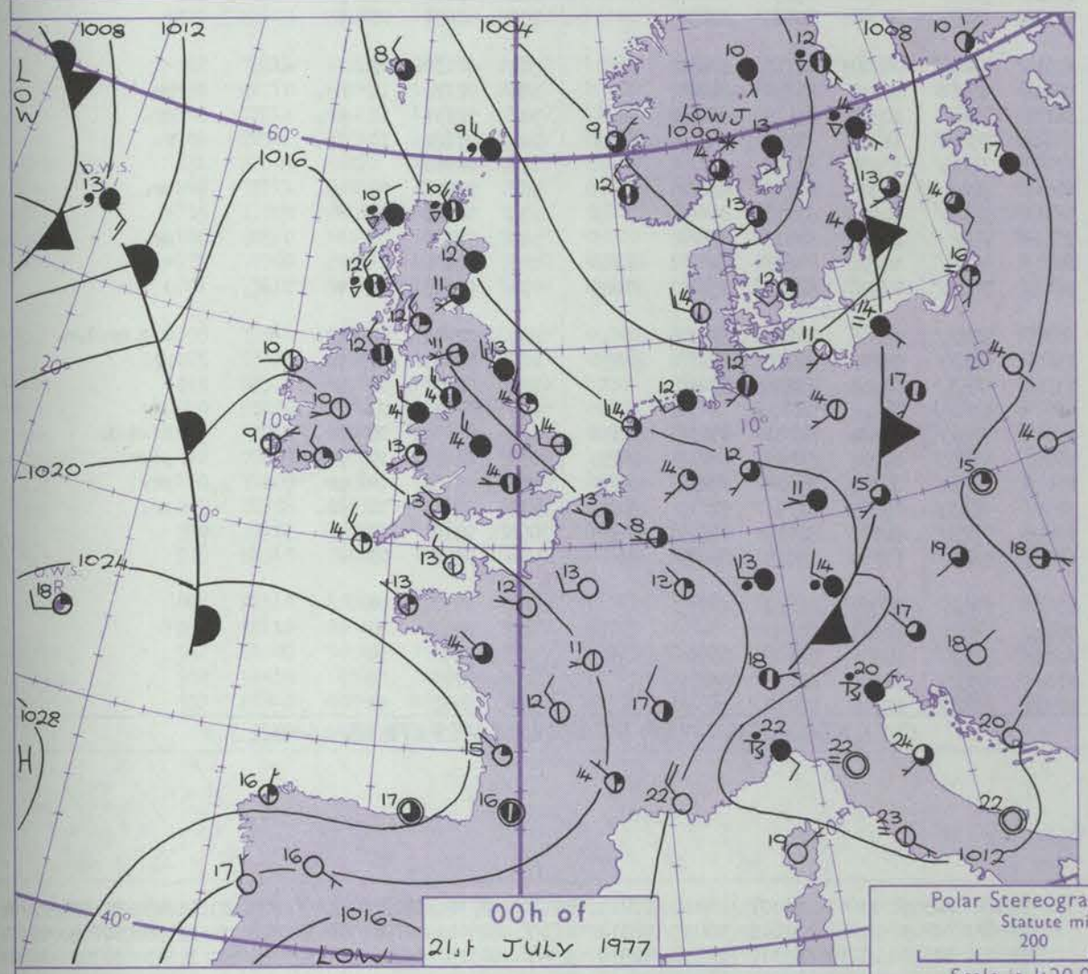
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_ap	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	20181	81504	98031	07313	60852	00704	86357	/////	00112	11293	30201	22904
L	99571	70202	20184	71422	98601	12912	2157/	00818	82820	85460	0//10	11345	30603	99/04
M	99649	10019	20184	82607	96216	98709	884//	00307	82813	88625	0//09	11117	30201	36803
R	99471	70168	20184	82612	98032	25018	855//	00206	88623	/////	0//17	11762	30402	31803

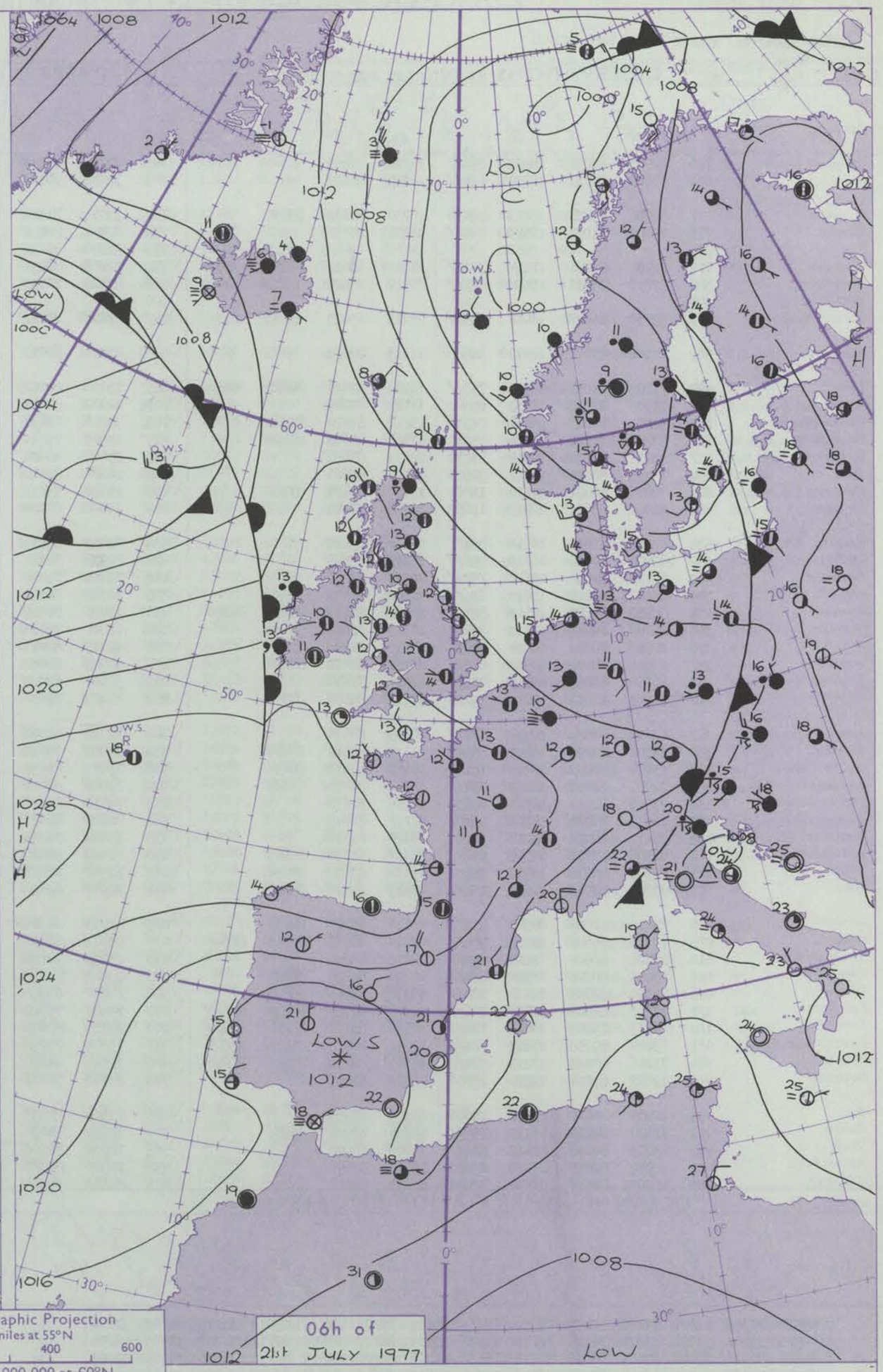
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday THURSDAY 21 JULY 1977

A filling complex area of low pressure has persisted over Scandinavia and a weak ridge of high pressure has moved eastwards into the west of the British Isles. An anticyclone has been slow-moving near the Azores. Slow-moving depressions have been filling south of Greenland. During the next 24 hours pressure will remain relatively low over Scandinavia and the Azores high will persist. A vigorous Atlantic depression will move northeastwards towards southwest Iceland and absorb the existing lows. Associated frontal troughs will cross northern and western districts of the British Isles preceded by a weak ridge.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V **OBSERVATIONS at 00h. 21 JULY 1977**

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82905	80032	18313	856//	11212	88632		
Hurn	862	63007	80011	18714	656//	11212	86639		
Manston	797	52606	75038	16213	38430	10216	81818	83650	
Gatwick	776	72805	81028	17513	757//	10216	87656		
Kew	775								
Heathrow	772	72707	80021	17214	756//	11113	83632	87656	
Honington	586	82712	75021	15114	855//	09112	88628		
Wattisham	590								
Gorleston	497	52710	66022	14414	555//	09213	85625		
Aberporth	502	22406	89011	19413	25600	11213	82635		
Filton	628	73005	81032	18315	755//	10111	82622	84640	87656
Rhoose	715	23003	81018	18713	25601	11113	82645		
Hartland Point	703	32905	77012	20114	2253/	13212	82820	83360	
Mount Batten	827	53207	80012	20614	15630	13110	81640	85360	
St. Mawgan	817	33011	80011	20914	35730	12111	83650		
Scilly	804	33113	80021	22914	32500	13209	83820		
Culdrose	809	32908	70031	21614	15630	13110	81635	83360	
Guernsey	894	12911	83011	21013	15602	12210	81645		
Elmdon	534	83013	81038	16914	854//	08111	88618		
Cardington	559	82906	70032	16713	856//	11215	88648		
Wittering	462	72712	82032	15613	757//	10213	87656		
Watnall	354	62608	68018	15613	656//	10108	86633		
Shawbury	414	82910	80808	17013	885//	10112	83820	84635	88650
Finningley	360	22908	72011	14713	25600	10113	82645		
Spurn Point	396	22916	70011	14014	20970	11212	82360		
Leeming	257	62811	80032	13913	685//	10212	82822	86630	
Tynemouth	262	80000	69028	14013	7567/	12217	87630		
Carlisle	222	52607	82031	14711	55700	10117	85650		
Valley	302	82915	82022	18314	856//	08113	88630		
Ringway	334	82709	75252	16313	884//	11112	84814	88645	
Squires Gate	318	73014	80032	16214	7847/	10112	83815	86635	
Ronaldsway	204	72809	82038	17013	784//	10212	81818	87635	
Mull of Galloway	131	23515	82011	16711	25630	10215	82630		
Eskdalemuir	162	21602	75011	14710	15602	07217	81645		
Prestwick	135	23211	84021	15712	18401	09120	81816		
Abbotsinch	140	62206	82031	14512	656//	08117	81630	86645	
Leuchars	171	62304	86018	13311	55632	09116	83630	84656	
Dyce	091	83008	82038	12612	884//	09213	82816	88626	
Lerwick	005	83016	60508	08509	853//	09110	85707	88630	
Wick	075	73313	65808	12010	784//	09212	82710	85813	87640
Sule Skerry	010	83424	66602	12210	855//	08211	88620		
Cape Wrath	049	83415	80808	12910	885//	09209	85820	88625	
Stornoway	026	83310	58808	14810	884//	10112	83815	88630	
Benbecula	022	73212	66808	15811	783//	10109	82709	85812	86630
Tiree	100	73313	75808	16412	784//	11110	82710	85816	87629
Aldergrove	917	73009	80258	17812	784//	10212	84712	83816	86622
Malin	980	73216	80028	17213	784//	10109	84716	83819	87640
Belmullet	976	12602	81011	19710	15600	08002	81635		
Birr	965	12403	80011	20510	15600	08109	81636		
Dublin	969	72809	82022	19112	755//	09214	82628	86634	
Shannon	962	83003	80038	20913	856//	11005	88640		
Roches Point	952	22910	82031	21712	25600	10110	82645		
Valentia	953	10503	80021	21909	12400	08003	81818		

OBSERVATIONS at 06h. 21 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	22703	80011	19811	25700	09209	82650		
Hurn	862	32402	80031	20313	35700	11210	83650		
Manston	797	33011	81021	18114	28432	10214	81812		
Gatwick	776	62704	84022	19113	657//	10212	86650		
Kew	775	72804	82022	19214	755//	09211	81625	87650	
Heathrow	772	72706	82031	19014	755//	10211	81624	87650	
Honington	586	82509	70021	17313	884//	10210	81812	88650	
Wattisham	590								
Gorleston	497	52710	66022	16712	50970	10212	85360		
Aberporth	502	43211	82011	20512	38530	10305	81820	83630	
Filton	628	13010	80021	19613	18500	10104	81820		
Rhoose	715	12904	81021	20411	18441	09209	81815		
Hartland Point	703	33210	82031	21114	12531	12104	81820	83360	
Mount Batten	827	13205	75021	21813	18501	12308	81820		
St. Mawgan	817	23008	80020	21713	28501	11101	81825		
Scilly	804	20000	82020	23713	22500	11102	82820		
Culdrose	809	23106	75011	22412	28401	11305	81815		
Guernsey	894	13009	80020	21813	18202	13207	81705		
Elmdon	534	72806	65216	18812	753//	11110	81707	85626	
Cardington	559	72908	75021	18413	757//	11210	87650		
Wittering	462	72810	75022	17613	754//	11211	81712	87656	
Watnall	354	72705	80258	18012	784//	10211	83815	87634	
Shawbury	414	72706	68508	18712	753//	11211	81709	83614	86620
Finningley	360	13007	70021	17013	15600	11312	81645		
Spurn Point	396	42915	60011	16713	25670	11215	82630	84360	
Leeming	257	52905	82031	16511	55500	09212	83622	85640	
Tynemouth	262	52611	69022	16011	5093/	09206	85358		
Carlisle	222	62403	75031	16710	685//	10309	82822	83630	
Valley	302	72912	80022	19613	754//	09207	81712	87630	
Ringway	334	42808	70018	18113	48400	10210	81815	84640	
Squires Gate	318	73011	81038	18114	784//	10312	83815	86625	
Ronaldsway	204	72709	80022	18412	753//	11208	82708	85712	86627
Mull of Galloway	131	73010	82031	17911	755//	10204	87620		
Eskdalemuir	162	72808	82031	16611	754//	08309	85712	87620	
Prestwick	135	73114	75151	16812	784//	10106	83816	85626	
Abbotsinch	140	72608	82022	15813	784//	10205	81818	87624	
Leuchars	171	72507	86022	14813	4553/	10207	81628	84657	87360
Dyce	091	72907	82022	14112	754//	09206	82712	85618	87625
Lerwick	005	72913	65205	10009	752//	08206	85705	87618	
Wick	075	83211	64808	13609	884//	08209	82710	85816	88630
Sule Skerry	010	83218	74022	13710	5557/	08105	85625	88460	
Cape Wrath	049	83415	80508	14809	87544	09210	88720		
Stornoway	026	73207	65258	16010	784//	09004	82710	83818	87630
Benbecula	022	73407	75028	16711	783//	09203	81708	83813	86630
Tiree	100	73310	80018	17112	785//	09101	82820	83629	87647
Aldergrove	917	73005	75258	18512	784/1	11203	82710	84713	85632
Malin	980	72509	84258	17612	784//	10701	82715	84819	87635
Belmullet	976	81712	70606	18013	5642/	11713	83718	88459	
Birr	965	71904	80031	20510	785//	09601	82820	87636	
Dublin	969	72610	84022	19612	756//	10301	87630		
Shannon	962	72006	82606	20212	755//	10705	82625	86650	
Roches Point	952	70000	82031	21611	656/1	10501	86636	83072	
Valentia	953	81612	65505	19913	864//	12713	88710		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00100	05	+	+
Hurn	862	00100	07	+	+
Manston	797	00120	10	+	+
Gatwick	776	00120	08	+	+
Kew	775	00130	12	+	+
Heathrow	772	00130	11	+	+
Honington	586	00110	09	+	+
Wattisham	590				
Gorleston	497				
Aberporth	502	00121	10	+	+
Filton	628	00120	09	+	+
Rhoose	715	00090	03	+	+
Hartland Point	703	00130	11		
Mount Batten	827	00110	07	+	+
St. Mawgan	817	00120	09	+	+
Scilly	804	00130	09	+	+
Culdrose	809	00110	08	+	+
Guernsey	894	00131	11	+	+
Elmdon	534	01111	11	+	r.d.r.dr
Cardington	559	00100	07	+	+
Wittering	462	00120	11	+	+
Watnall	354	97120	09	pr.	pr.
Shawbury	414	01111	08	pr.	pr.d.r.drDRd.
Finningley	360	00120	08	+	+
Spurn Point	396			+	+
Leeming	257	00100	07	+	+
Tynemouth	262	03111	09	pR	+
Carlisle	222	00090	05	+	+
Valley	302	00120	09	+	+
Ringway	334	97121	11	pr.	pr.
Squires Gate	318	92131	11	pr.	pr.
Ronaldsway	204	97120	10	jp	r.
Mull of Galloway	131	00101			
Eskdalemuir	162	97091	05	+	pr.
Prestwick	135	00121	10	+	+
Abbotsinch	140	97110	08	+	pr.
Leuchars	171	00100	07	+	+
Dyce	091	00111	09	+	+
Lerwick	005	02081	08	id.	d.d.pr.d.r.
Wick	075	92091	08	pr.	pr.
Sule Skerry	010	91071	08		
Cape Wrath	049	97081	08	pro	ido
Stornoway	026	91091	09	pr.	pr.d.d.
Benbecula	022	01101	10	pr.	prpr.
Tiree	100	97111	10	pr.	pr.
Aldergrove	917	92111	11	pr.	pr.
Malin	980	9312	10		
Belmullet	976	9507	03		
Birr	965	9707	04		
Dublin	969	0010	09		
Shannon	962	9710	04		
Roches Point	952	9709	06		
Valentia	953	9708	04		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	21001	91106	92454	03512	9////	00715	89/03	/////	05012	11275	3//02	///04
L	99571	70202	21004	81324	96516	08712	6732/	31719	86707	88458	0//12	11318	30705	99/04
M	99647	10020	21004	83405	96026	99510	883//	00306	82707	85815	0//10	11154	30101	35703
R	99471	70167	21004	22312	98021	26017	25600	00009	82640	/////	0//17	11777	30000	31803

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	21061	81107	98024	97911	855//	00730	88627	/////	05110	11248	3//02	///04
L	99569	70205	21064	82615	96035	08312	853//	62501	86707	88635	0//13	11358	30704	99/04
M	99648	10020	21064	83310	97156	01510	884//	00313	83815	88630	0//09	11143	30302	34703
R	99471	70166	21064	72212	98021	25117	756//	00707	87640	/////	0//17	11738	30000	31803

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press. Met.O. 8m

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42246

Date of Issue FRIDAY 22 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 21 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
Boscombe Down	746	82909	84021	21417	886//	10108	82830	84636	88645
Hurn	862	63011	84011	21818	68601	09207	83838	86640	
Manston	797	72908	80031	20516	745//	10214	81825	84635	87650
Gatwick	776	72907	82021	21017	785//	11109	82825	87650	
Kew	775	72904	81022	21117	786//	09207	83830	85650	
Heathrow	772	72710	80032	21017	785//	09210	82822	83635	85656
Honington	586	72610	81022	19218	786//	09210	81832	87650	
Wattisham	590								
Gorleston	497	50113	66021	19015	55500	10211	85625		
Aberporth	502	72905	89031	21915	18536	08104	81822	83359	87272
Filton	628	72907	82021	21316	785//	09106	83828	86640	
Rhoose	715	72813	84031	21618	18636	09007	81830	83365	87275
Hartland Point	703	72806	88031	22816	18676	12106	81830	85360	87275
Mount Batten	827	72511	86021	23117	645//	12207	82828	85630	
St. Mawgan	817	72710	89031	23416	54436	12104	83814	85360	86275
Scilly	804	72406	83021	24717	756//	14205	87635		
Culdrose	809	52412	81031	23617	38532	11206	81820	83362	
Guernsey	894	22811	82030	24117	21402	13212	82812		
Elmdon	534	82809	70028	20515	884//	09107	83818	88625	
Cardington	559	83210	70022	20616	886//	11209	84830	88640	
Wittering	462	72912	80022	19817	786//	09210	83835	87656	
Watnall	354	82509	65032	19915	885//	10110	83820	88640	
Shawbury	414	82710	81026	20115	884//	11104	82816	84620	88627
Finningley	360	72811	80031	18617	785//	10207	84828	87640	
Spurn Point	396	50000	70031	18617	42570	11107	84825	85360	
Leeming	257	73108	86032	17817	786/1	10002	85830	85650	
Tynemouth	262	82610	69022	17716	5563/	10105	85630		
Carlisle	222	82409	82032	17316	885//	12000	84822	83628	88640
Valley	302	72311	84022	20716	22552	10102	82820	83360	87070
Ringway	334	82710	68258	19715	884//	11206	84816	88645	
Squires Gate	318	72711	81028	19615	784//	12206	85818	87640	
Ronaldsway	204	72311	82026	19315	784//	11103	81712	83818	87650
Mull of Galloway	131	82408	82022	18914	885//	11400	82820	88625	
Eskdalemuir	162	72711	83028	17314	785//	09103	82820	87635	
Prestwick	135	73009	86028	18014	7853/	08103	82824	86630	
Abbotsinch	140	72810	88028	17015	785/2	08400	82825	87632	
Leuchars	171	72707	89031	15916	786//	09204	82830	87640	
Dyce	091	73112	86026	15715	64504	08104	82820	83635	86075
Lerwick	005	73016	58808	12010	783//	08208	82708	85812	
Wick	075	73313	81028	15412	784//	08206	85812	83635	
Sule Skerry	010	83314	58165	15612	885//	10206	86820	88625	
Cape Wrath	049	83409	80025	16210	885//	09204	84820	88625	
Stornoway	026	82808	80028	16712	885//	08501	84824	88630	
Benbecula	022	72305	85032	16613	785//	10805	81820	87630	
Tiree	100	71809	89032	17314	785/2	10705	81822	83627	87637
Aldergrove	917	72308	86032	18316	5857/	09603	83822	83630	87460
Malin	980	72108	89022	17116	58436	10706	81716	83820	87270
Belmullet	976	81915	76026	15415	863//	14611	83709	86716	87640
Birr	965	81510	62606	18613	7632/	11713	86709	86634	88458
Dublin	969	82112	86606	19615	5557/	08703	83624	85642	88360
Shannon	962	81407	30516	18014	871//	14713	83702	86705	88708
Roches Point	952	91409	02516	20015	9////	14713	89/00		
Valentia	953	82312	40586	18917	862//	16704	88703		

OBSERVATIONS at 18h. 21 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
Boscombe Down	746	72608	86022	21117	25618	10701	82640	85460	87272
Hurn	862	72412	81032	21618	11678	12400	81830	83360	85464
Manston	797	82905	64032	20917	856//	11202	82635	88645	
Gatwick	776	82706	81022	21217	886//	11001	81835	84640	88656
Kew	775	72505	80022	21318	785//	10000	81828	85640	87656
Heathrow	772	72706	80022	21118	786//	10001	81830	85640	87656
Honington	586	82612	70032	20317	856//	09206	82638	88650	
Wattisham	590								
Gorleston	497	71605	60022	20015	755//	14400	87625		
Aberporth	502	81817	56516	19513	872//	13721	83703	88707	
Filton	628	72710	84032	21515	5547/	10303	81715	85640	87359
Rhoose	715	82810	81606	21414	4837/	11804	81708	83624	88360
Hartland Point	703	82315	56616	21313	873//	13813	88708		
Mount Batten	827	82309	62608	22615	5847/	13804	81818	85645	88458
St. Mawgan	817	82010	30515	22115	871//	14612	84702	88704	
Scilly	804	82412	20602	22816	871//	16711	88702		
Culdrose	809	82312	30505	22315	6622/	14712	86703	88520	
Guernsey	894	72710	81021	24015	38472	12801	81810	83656	85360
Elmdon	534	72508	80022	19918	68532	09705	83825	84650	87070
Cardington	559	72904	70022	20717	58612	12001	81830	85645	87075
Wittering	462	72006	70012	20315	756//	10000	85630	87650	
Watnall	354	72705	80022	19816	48502	11705	82820	83645	87075
Shawbury	414	82510	84212	19815	14577	11500	81625	83359	87462
Finningley	360	82908	65022	19216	856//	10301	88635		
Spurn Point	396	82710	62022	19515	1557/	12206	81625	88460	
Leeming	257	72713	82012	18416	38502	09500	81825	83640	87073
Tynemouth	262	62512	69022	17917	15631	10400	81630	83359	86075
Carlisle	222	72310	80022	18015	58572	10202	81826	84646	85365
Valley	302	81920	35506	19113	852//	12711	81703	84705	88618
Ringway	334	83106	70026	19716	855//	10602	86622	88640	
Squires Gate	318	72708	86012	19415	38538	10804	81822	83650	87275
Ronaldsway	204	82012	84036	18213	5537/	11609	83708	85614	88359
Mull of Galloway	131	72118	85012	17513	4557/	11707	84625	86360	
Eskdalemuir	162	82209	81022	17514	885//	10802	81825	88635	
Prestwick	135	82606	86028	17415	48577	10604	81825	84645	86362
Abbotsinch	140	82308	83022	17015	2557/	10400	82625	84360	88462
Leuchars	171	70602	86032	16115	3862/	12301	81830	83645	87466
Dyce	091	71706	84012	16614	68532	08205	81825	86632	87362
Lerwick	005	83012	82258	13610	884//	07106	84813	88625	
Wick	075	73209	84028	16512	784//	08207	81818	87640	
Sule Skerry	010	72907	82012	15312	755//	08202	87625		
Cape Wrath	049	82309	80022	16410	855//	10400	88620		
Stornoway	026	72004	86022	16012	785//	09705	81820	85625	87635
Benbecula	022	71411	87026	15613	3547/	09806	81615	83630	87360
Tiree	100	71609	89216	16413	45478	11705	81616	83622	87462
Aldergrove	917	82008	75216	16315	854//	11608	85614	88696	
Malin	980	71815	88016	15315	6547/	12708	81715	86635	87460
Belmullet	976	82112	08425	15215	862//	15702	87704	88708	
Birr	965	82308	70026	16917	864//	15604	86713	88632	
Dublin	969	81703	30516	17015	861//	14712	83702	85706	88710
Shannon	962	82509	50605	17816	862//	16601	82705	86707	88710
Roches Point	952	82104	50615	18716	862//	15601	88705		
Valentia	953	82408	40216	19016	862//	16601	88703		

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	97180	037 +		r.
Hurn	862	97190	072 +		r.
Manston	797	00180	008 +		+
Gatwick	776	00190	015 +		+
Kew	775	00180	014 +		+
Heathrow	772	00190	006 +		+
Honington	586	00200	016 +		+
Wattisham	590				
Gorleston	497		027		
Aberporth	502	01151	049	ir.r.r.d	d.d.id.
Filton	628	97191	033 +		d.r.
Rhoose	715	01181	082 +		r.r.ir.d.d.
Hartland Point	703	06182	067		
Mount Batten	827	04181	085 +		pr.d.d.r.drrr
St. Mawgan	817	09171	061 d.		d.d.rRrd.r.
Scilly	804	01182	026 +		irffdd
Culdrose	809	06172	040 +		id.d.r.d.r.rr
Guernsey	894	97180	117 +		ir.
Elmdon	534	97180	003 pr.		ir.
Cardington	559	00180	004 +		+
Wittering	462	00170	016 +		+
Watnall	354	00170	011 +		+
Shawbury	414	97180	008 +		r.
Finningley	360	00180	046 +		+
Spurn Point	396		+		+
Leeming	257	00180	032 +		+
Tynemouth	262	00180	037 +		+
Carlisle	222	00160	006 +		+
Valley	302	97171	005 +		r.d.d.
Ringway	334	97160	012 pr.-r.		+
Squires Gate	318	00160	006 jp		+
Ronaldsway	204	91161	012 +		r.-d.d
Mull of Galloway	131	00150			
Eskdalemuir	162	00161	004 +		+
Prestwick	135	97151	003 pr.		ir.
Abbotsinch	140	97170	006 jp		ir.
Leuchars	171	00180	023 +		+
Dyce	091	97161	022 r.		+
Lerwick	005	95111	001 drpr.		pr.
Wick	075	97131	007 pr.		+
Sule Skerry	010	97120			
Cape Wrath	049	97120	002 id.		+
Stornoway	026	97131	000 d.d.		+
Benbecula	022	97151	002 ir.		ir.
Tiree	100	97151	001 ir.		ir.r.
Aldergrove	917	95181	003 r.		ir.d.r.dd.
Malin	980	9717	002		
Belmullet	976	0216	000		
Birr	965	0417	000		
Dublin	969	0116	011		
Shannon	962	2117	001		
Roches Point	952	0717	004		
Valentia	953	0317	000		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

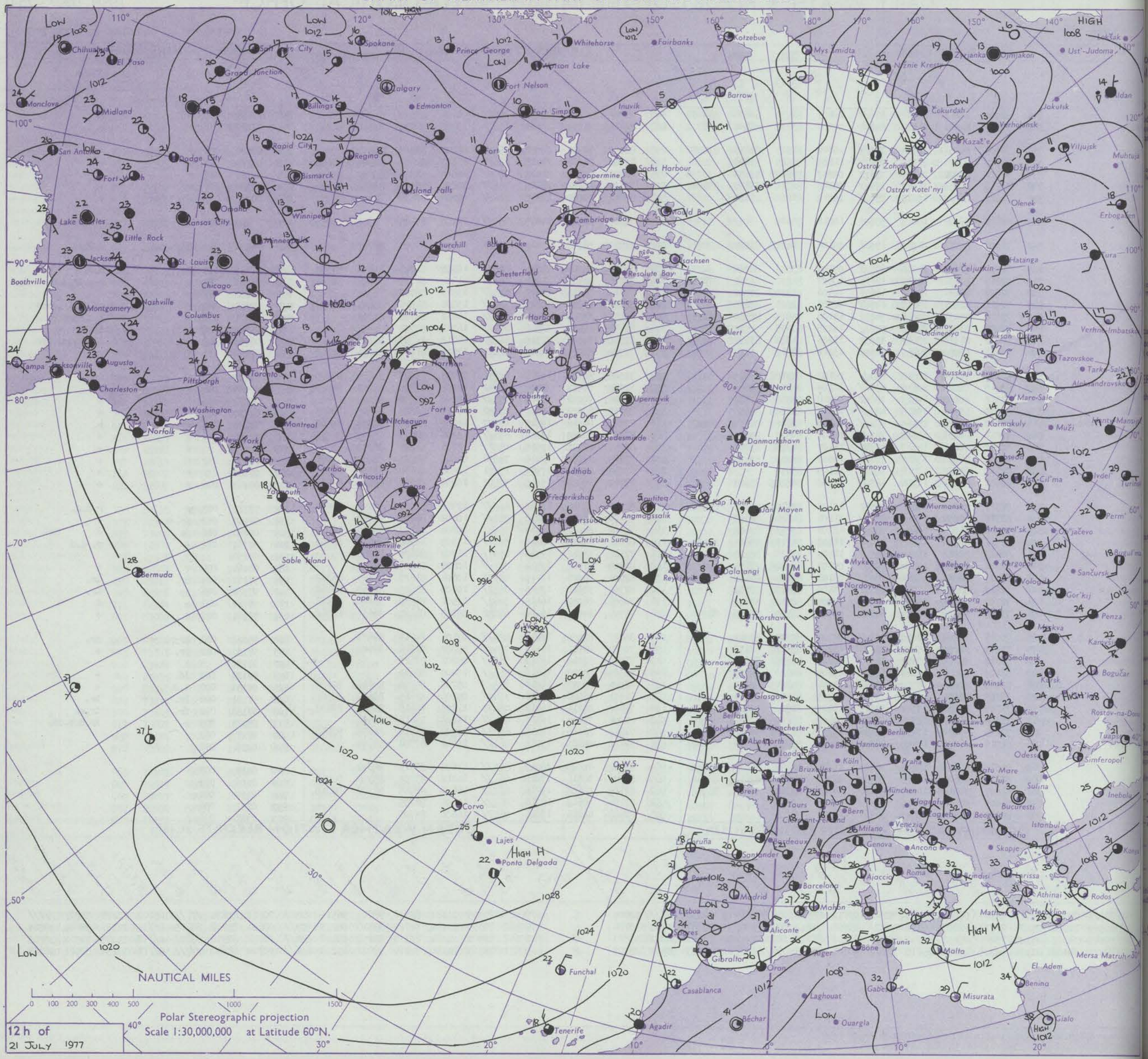
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	21121	51911	98026	93413	52500	00712	85829	/////	00211	11234	3////	22904
L	99569	70206	21124	71713	97018	08212	4243/	21706	84812	87358	0//11	11381	30703	13704
M	99648	10021	21124	73209	95258	02910	69470	00210	81915	84818	0//08	11166	30302	33703
R	99471	70168	21124	82315	98022	25718	856//	00103	88640	/////	0//17	11753	30401	28803

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	21181	82517	98011	96511	22502	00211	82824	/////	05109	11228	30807	/////
L	99568	70199	21184	81721	93516	04213	871//	00624	85702	88705	0//14	11357	30704	20804
M	99647	10021	21184	83116	98258	04410	894//	00208	82910	85818	0//10	11185	30302	33703
R	99471	70165	21184	82414	98022	25218	856//	00704	88640	/////	0//17	11734	30401	26803

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE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1008
Chihuahua
El Paso
1012
Monclova
Midland
Grand Junction
Salt Lake City
Spokane
Low
1012
Prince George
Whitehorse
Fairbanks
Kotzebue
HIGH
1016
Low
1012
Watson Lake
Fort Nelson
Fort Simpson
Calgary
Edmonton
Billings
Barrow
Inuvik
Mys Šmidta
HIGH
1008
Ust'-Judoma
Ojmjakon
Zyrianka
Nižnie Krestovo
Low
Čokurdah
Jakutsk
Aldan
Verhojansk
996
Kazač'e
Ostrov Žohova
Ostrov Kotel'nyj
Viljujsk
Džardžan
Muhtuja
Olenek
Erbogačen
1024
Rapid City
Regina
Bismarck
HIGH
Island Falls
Winnipeg
Minneapolis
Omaha
Kansas City
Dodge City
San Antonio
Fort Worth
Lake Charles
Little Rock
Jackson
St. Louis
Boothville
Coppermine
Sachs Harbour
Mould Bay
Cambridge Bay
Churchill
Baker Lake
Chesterfield
Resolute Bay
Arctic Bay
Eureka
Alert
Thule
Clyde
Hatanga
Mys Čeljuskin
Tura
1016
1004
1008
1012
1020
Chicago
Columbus
Nashville
Montgomery
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Toronto
Fort Harrison
Winisk
Coral Harbour
Nottingham Island
Fort Chimo
Frobisher
Cape Dyer
Upernavik
Resolution
Nord
Danmarkshavn
Daneborg
Barencburg
Hopen
Biarnoya
Tazovskoe
Russkaja Gavan'
Mare-Sale
Molye Karmakuly
Muži
Ivanty Mansijsk
Low
992
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Corvo
Lajes
Funchal
Tenerife
Bermuda
Sable Island
Cape Race
Gander
Stephenville
Yarmouth
Caribou
Anticosti
Montreal
Ottawa
Norfolk
Washington
New York
Boston
Nitchequon
Pikis Christian Sund
Frederikshab
Angmagssalik
Qutdleq
Kap Tobin
Jan Mayen
Godthab
Gabet
Reykjavik
Dalatangi
Thorshavn
Lerwick
Stornoway
Glasgow
Belfast
Manchester
Aberdeen
London
Valentia
Brest
Tours
Bruxelles
Köln
De Bilt
Hannover
Berlin
Praha
Częstochowa
Poznań
Hamburg
Kiel
Stockholm
Oslo
Riga
Minsk
Smolensk
Kaunas
Kiev
Odessa
Rostov-na-Donu
Simferopol'
Tuapse
Sulina
Bucuresti
Constanta
Cluj
Satu Mare
Beograd
Zagreb
München
Venezia
Milano
Genova
Ancona
Roma
Ajaccio
Barcelona
Mahon
Madrid
Lisboa
Alicante
Gibraltar
Oran
Algier
Bone
Tunis
Malta
Misurata
Gabes
Laghouat
Ouargla
Béchar
Casablanca
Agadir
Sidi Ifni
Las Palmas
Sal
Bermuda
Istanbul
Sofia
Skopje
Athinai
Heraklion
Rodos
Larissa
Konya
Inebolu
Gialo
Benina
El Adem
Mersa Matruh
Tripoli
Murmansk
Arhangel'sk
Perm'
Vologda
Gor'kij
Penza
Kazan'
Kirov
Sančursk
Kargopol'
Rybinsk
Tromsø
Sodankylä
Mykkelä
Rekhly
Nordoyan
Ostersund
Umeå
Luleå
Haparanda
Turku
Helsinki
Tallinn
Visby
Karlskrona
Göteborg
Stavanger
Bergen
Reykjavik
Dalatangi
Kap Tobin
Jan Mayen
Godthab
Gabet
Qutdleq
Angmagssalik
Pikis Christian Sund
Frederikshab
Nitchequon
Fort Chimo
Resolution
Cape Dyer
Upernavik
Frobisher
Nottingham Island
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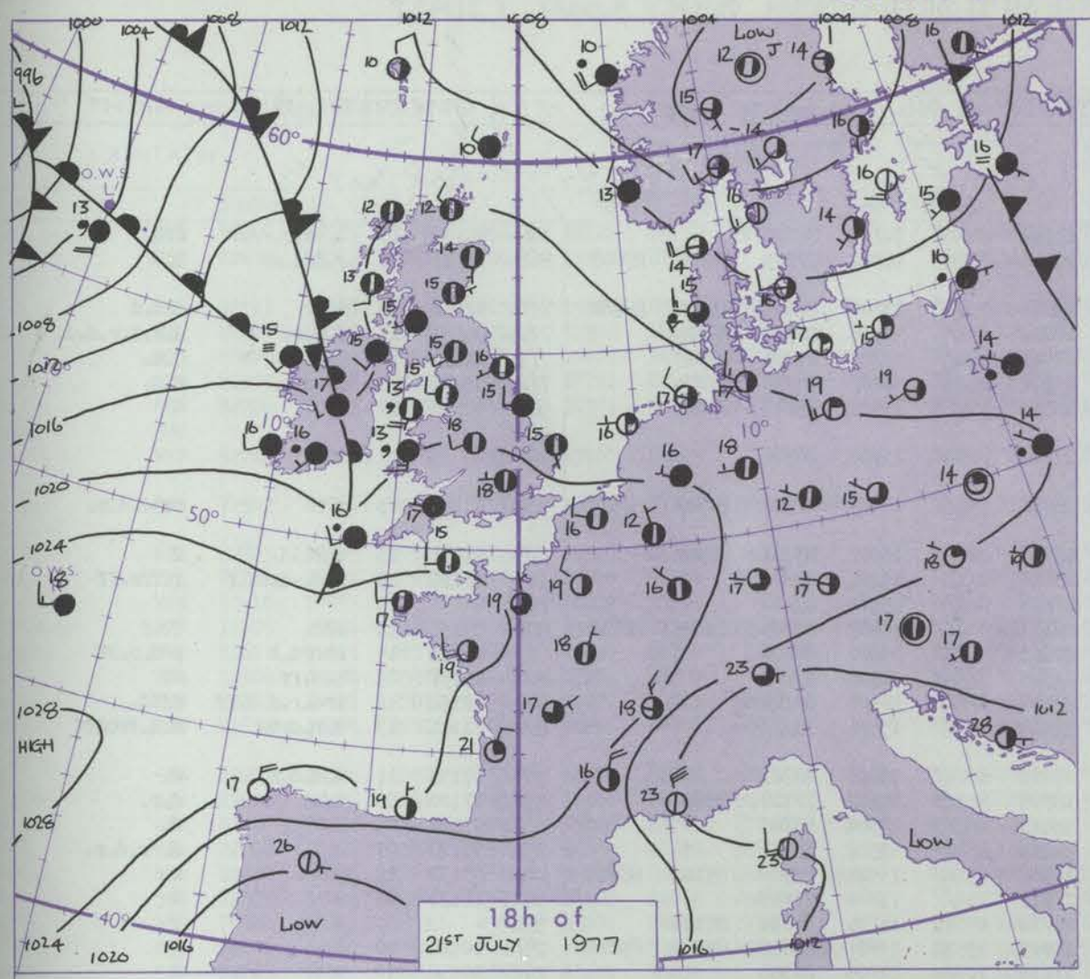
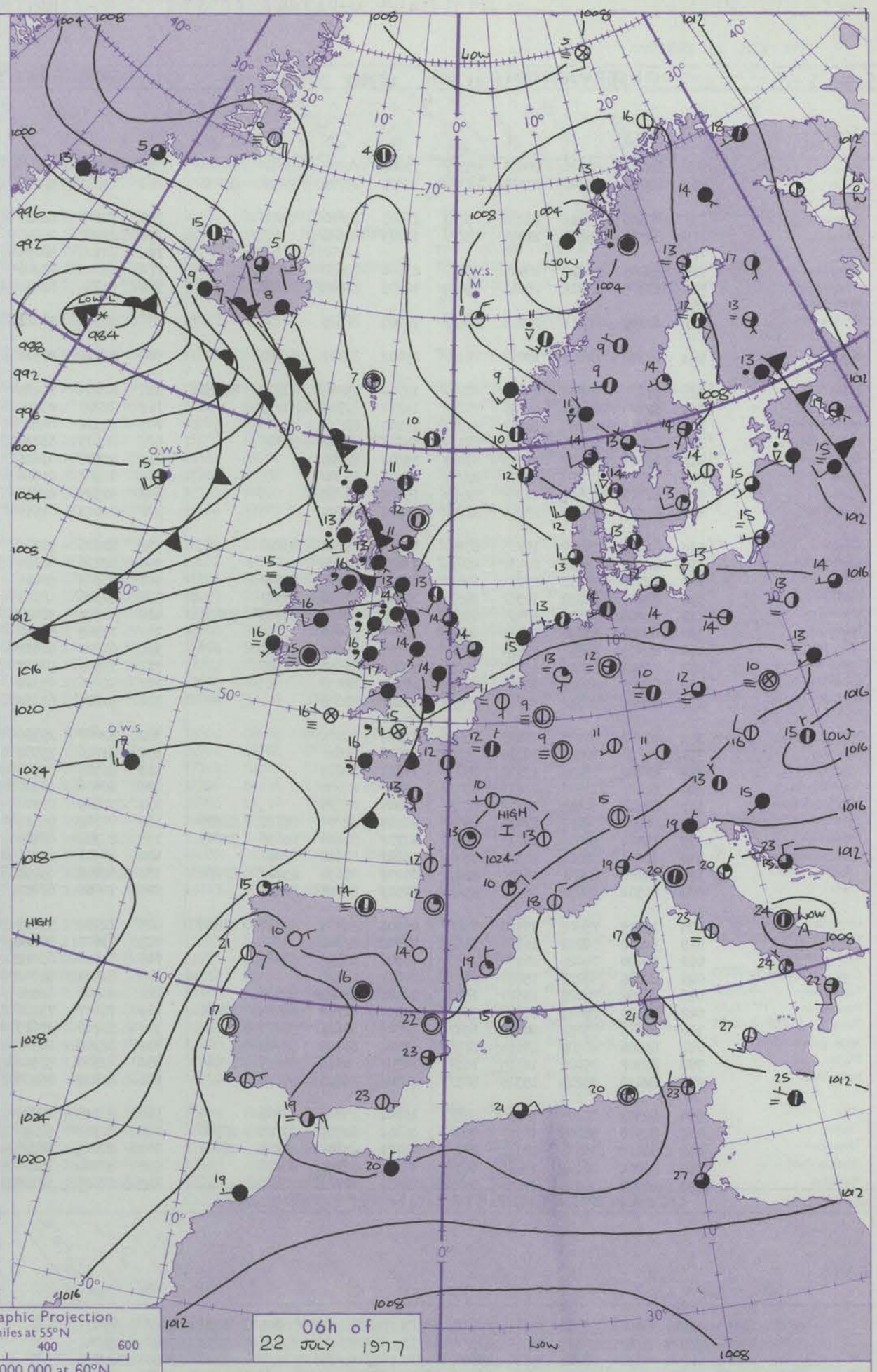
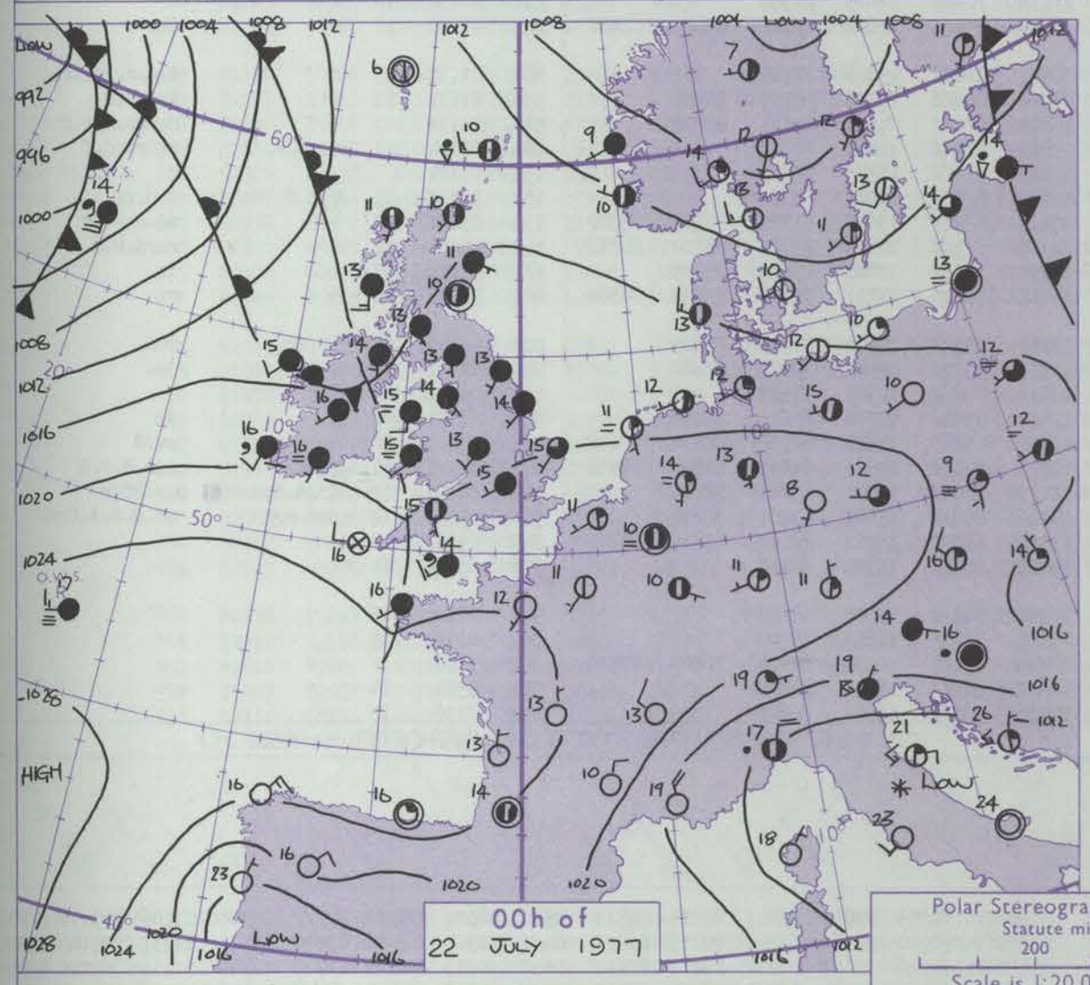
Winisk
Churchill
Baker Lake
Chesterfield
Resolute Bay
Arctic Bay
Eureka
Alert
Thule
Clyde
Danmarkshavn
Daneborg
Barencburg
Hopen
Biarnoya
Nord
Tura
Hatanga
Mys Čeljuskin
Tazovskoe
Russkaja Gavan'
Mare-Sale
Molye Karmakuly
Muži
Ivanty Mansijsk
Verhne-Imbatskoe
Tarko-Sale
Aleksandrovskoe
Dudinka
Dikson
Ostrov Dudinskaya
Ostrov Kotel'nyj
Ostrov Žohova
Kazač'e
Nižnie Krestovo
Zyrianka
Ojmjakon
Ust'-Judoma
Aldan
Jakutsk
Verhojansk
Viljujsk
Džardžan
Muhtuja
Olenek
Erbogačen







Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday **FRIDAY 22 JULY 1977**

During the past 24 hours a weak ridge of high pressure over the British Isles declined as a warm frontal trough moved eastwards into western districts. During the next 24 hours pressure will remain low to the northwest and high to the south of the British Isles and the warm front over western districts is expected to move away eastwards whilst a cold front now in mid-Atlantic moves east over most northern and western districts.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V — OBSERVATIONS at 00h. 22 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82011	80206	20813	853//	12807	84708	86712	88640
Hurn	862	82208	35506	21414	873//	13805	83706	85707	88709
Manston	797	62106	65012	21212	25731	11803	82650	86075	
Gatwick	776	82304	65202	21314	857//	13703	88656		
Kew	775								
Heathrow	772	82405	66022	20915	5577/	11704	85650	88362	
Honington	586	61805	65012	20013	15601	10805	81645	86075	
Wattisham	590								
Gorleston	497	62103	60012	20215	655//	11005	86625		
Aberporth	502	82208	56105	19015	861//	15002	83702	88710	
Filton	628	82105	60206	19914	872//	13712	83705	86707	88710
Rhoose	715	82103	40206	19614	2702/	14710	82701	88458	
Hartland Point	703	92311	01506	20315	9////	15103	89///		
Mount Batten	827	82607	20636	20916	871//	16708	85702	88705	
St. Mawgan	817	82511	06636	21015	870//	15702	88700		
Scilly	804	92711	02455	22716	9////	16400	89/00		
Culdrose	809	92509	01516	21315	9////	15803	89/00		
Guernsey	894	82313	50516	23214	870//	14808	87700		
Elmdon	534	82109	75026	19713	853//	09805	82708	88616	
Cardington	559	42508	65011	20512	40930	11603	84359		
Wittering	462	52406	75031	19611	15630	10707	81630	85359	
Watnall	354	62401	62032	19312	1557/	10806	81626	86357	
Shawbury	414	81908	75606	18514	854//	11807	82614	84615	88618
Finningley	360	60000	65022	18713	657//	11807	86650		
Spurn Point	396	82105	66032	19514	855//	12705	88629		
Leeming	257	71502	82022	18413	1573/	10803	81656	87360	
Tynemouth	262	82708	81022	18413	8092/	10103	88458		
Carlisle	222	81802	80032	17713	855//	11601	88622		
Valley	302	81812	14105	17815	860//	13602	88701		
Ringway	334	71808	70022	18314	754//	11809	87616		
Squires Gate	318	81406	75032	17914	854//	11711	88619		
Ronaldsway	204	82109	13506	17013	870//	13707	88700		
Mull of Galloway	131	82112	10512	16712	862//	12804	88703		
Eskdalemuir	162	80000	62022	17411	853//	10705	82709	84712	88635
Prestwick	135	81402	80036	16713	7557/	11702	81620	84636	87645
Abbotsinch	140	72002	80016	16313	3547/	11802	82618	87360	
Leuchars	171	70000	80032	16510	15632	09102	81630	83360	87070
Dyce	091	81302	70032	16611	854//	10503	86614	88625	
Lerwick	005	72715	75808	13910	782//	09103	82705	85810	87620
Wick	075	72202	82022	16110	756//	07802	87640		
Sule Skerry	010	50000	74022	16110	28531	10301	81820	84360	
Cape Wrath	049	80000	82022	15810	855//	09604	88620		
Stornoway	026	71904	84022	15311	755//	10606	82626	87636	
Benbecula	022	71310	86016	13512	5547/	11818	81712	85633	87460
Tiree	100	81613	83032	14713	6547/	12709	86617	88460	
Aldergrove	917	81806	40506	15914	872//	13704	86703	88704	
Malin	980	82307	75026	14715	7647/	14704	84716	85635	87460
Belmullet	976	82210	35215	15315	863//	14702	85706	88710	
Birr	965	82307	50205	17616	862//	16701	83704	88709	
Dublin	969	82510	56205	16617	861//	16801	84701	85703	88706
Shannon	962	82612	35635	18116	871//	16701	83702	85705	88708
Roches Point	952	82004	60106	19416	6637/	15101	86706	88459	
Valentia	953	82009	20516	19616	861//	16802	88702		

OBSERVATIONS at 06h. 22 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	81704	05446	19314	860//	14703	88700		
862	71901	57106	19516	752//	16504	82703	85706	87640
797	72108	62021	19814	2567/	13706	82640	85358	86460
776	82107	25516	19814	872//	14506	86703	88704	
775	82105	58055	19614	862//	13707	85703	88705	
772	82005	57206	19314	862//	14707	83703	88704	
586	71904	62032	18813	7547/	11505	85711	87616	
590								
497	62308	58021	19114	6097/	11400	86360		
502	82311	30504	18216	850//	16503	82700	84702	88625
628	82705	14285	18916	860//	15502	83701	88702	
715	92709	03455	18816	9////	15201	89/00		
703	92314	02606	19715	9////	15501	89/00		
827	82503	61026	20116	852//	16602	82704	85707	88612
817	82608	01426	20515	860//	15500	88700		
804	92907	01474	21816	9////	16302	89/00		
809	92505	02455	20516	9////	16500	89/00		
894	92613	01516	21415	9////	15506	89///		
534	82106	32206	18114	860//	13606	88701		
559	82406	62585	18914	853//	14607	87707	88640	
462	81803	59051	18413	862//	12504	88705		
354	82306	18102	18313	861//	13502	88701		
414	81504	57046	17514	853//	13504	83706	85710	88618
360	71803	59042	17313	756//	11804	87635		
396	61904	64012	17914	45671	11604	84630	85360	
257	71506	57012	17013	15532	11607	81622	83360	85072
262	72006	65022	17113	7097/	11705	87358		
222	81704	63022	16113	854//	12606	82712	85620	88630
302	82007	20586	16915	870//	13502	88701		
334	81706	25502	17214	862//	13604	83703	88706	
318	81506	32586	16814	872//	14504	83704	88708	
204	80000	19516	15813	870//	13606	88700		
131	91805	02514	15713	9////	13705	89///		
162	91702	08516	16112	9////	11503	89/00		
135	81302	68505	15113	872//	13607	81705	83707	85709
140	80902	62616	14913	873//	12605	83707	85710	88713
171	62404	65031	14911	35732	10708	83650	85075	
091	70000	62052	14312	46232	11711	82704	83705	86362
005	72902	82028	13810	783//	08602	81708	87625	
075	71607	80022	14311	2562/	10508	82645	87460	
010	71410	82022	13911	755//	10509	87625		
049	81804	84022	12812	6552/	09714	86625	88460	
026	81809	62636	12312	853//	11613	82708	85614	88622
022	71807	75216	11513	5507/	13803	82701	84626	87462
100	81709	27616	13113	860//	13607	83701	88703	
917	82206	20506	14916	860//	15605	83701	88702	
980	82310	57516	13916	863//	15503	82707	85711	86716
976	82213	06466	15215	862//	15301	88703		
965	82308	20285	17216	862//	15705	88703		
969	82513	62586	15816	861//	16601	88702		
962	82613	58506	17816	871//	16301	82702	86704	88706
952	80000	15106	18915	862//	15500	88703		
953	82106	30105	19416	861//	16304	88602		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	94130	13	d.-d.r.-r.f	ffd.
862	91131	13	r.d.d.r.	d.
797	92111	09	+	d.d.d
776	94131	11	d.d.r.	d.r.d.r.d.d.
775	92130	10	d.	d.d.
772	93131	13	d.-d.r.	d.d.
586	00110	09	+	+
590				
497				
502	91131	13	f	ffid.d.r.
628	97141	13	d.r.id.	f
715	01131	13	d.d.-d.fd.f	ffffr.ff
703	04152	15		
827	03151	15	rrd.	fd.f
817	05151	15	rrffd.F	FFd.r.FF
804	93151	15	d.d.ff	FF
809	02152	12	rrd.r.d.d.ff	ffid.
894	11141	13	d.r.drFF	d.d.FFddff
534	97131	11	d.d.d.r.	d.
559	97110	08	id.	d.r.
462	97100	08	+	d.
354	97120	09	+	d.-r.d.r.
414	97130	11	r.	r.
360	00120	08	+	+
396			+	+
257	00120	10	+	+
262	00130	10	+	+
222	97120	12	+	ir.
302	01131	13	d.	d.d.r.id.ir.
334	01131	12	+	d.d.r.d
318	01131	13	+	drd.r.d.r.f
204	03121	13	d.-d.r.ff	drdrd.d.f
131	01121			
162	94111	11	r.d.f	d.d.ff
135	93131	11	+	id.d.r.dr
140	94131	12	+	r.rd.r.d.d
171	97090	07	+	ir.
091	97111	08	+	r.
005	92091	06	pr.id.	id.
075	92091	08	+	ir.
010	01082	08		
049	01081	09	+	ir
026	03111	10	+	rrdd
022	02121	11	r.	r.r.d.r.d
100	04131	12	ir.d.d.d.r.	d.r.Rfdr
917	05131	12	d.r-rrd	dd.d.r.d.frd.
980	0414	14		
976	9514	14		
965	9716	15		
969	0116	15		
962	1216	16		
952	9514	14		
953	0116	15		

Code FM 21.V — OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	22001	62513	98022	00611	62500	00223	86827	/////	05108	11216	3////	///07
L	99569	70199	22004	81825	95515	01314	872//	61813	88705	/////	0//14	11331	30805	15804
M	99647	10025	22004	43310	98018	05810	49400	00307	82915	84635	0//09	11167	30301	99/03
R	99470	70167	22004	82415	92462	25417	862//	00001	88703	/////	0//17	11745	30501	26803

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_w$
C	99527	70355	22061	52411	98018	01311	51500	00104	85828	/////	05108	11206	3////	///06
L	99569	70200	22064	52221	98015	00813	48331	51307	81707	83640	0//11	11331	30704	15804
M	99647	10026	22064	20214	98011	07711	29430	00313	81815	81915	0//10	11163	30302	99/03
R	99470	70166	22064	82317	96204	24017	874//	00610	88710	/////	0//17	11755	30502	26804

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press. Met.O. 8

All times of

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42247

Date of Issue SATURDAY 23 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 22 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82809	75025	19721	854//	18108	85712	88616	
Hurn	862	72408	65012	20321	754//	18104	87612		
Manston	797	82111	62025	20117	863//	15203	83706	88708	
Gatwick	776	82707	61025	20019	854//	17202	88612		
Kew	775	82405	65022	22019	864//	16101	84710	88712	
Heathrow	772	82505	62032	19520	854//	17701	85712	88615	
Honington	586	82206	63012	18818	854//	14101	86712	88617	
Wattisham	590								
Gorleston	497	82012	62022	19018	855//	13400	88625		
Aberporth	502	72509	62016	19619	753//	18106	81708	84630	87656
Filton	628	82807	50585	20118	872//	17208	85704	88705	
Rhoose	715	82712	07606	20016	870//	16006	85700	88701	
Hartland Point	703	92416	00515	21315	9////	15210	89/00		
Mount Batten	827	72404	35516	21617	5517/	17107	81702	85630	87358
St. Mawgan	817	82611	01516	22116	870//	16210	88700		
Scilly	804	92908	02434	23317	9////	17208	89/00		
Culdrose	809	82706	10506	22017	870//	17207	84701	88702	
Guernsey	894	82610	18285	22316	860//	16206	84700	88701	
Elmdon	534	82206	62046	18519	853//	16204	82708	88610	
Cardington	559	82506	50206	19419	853//	17306	84708	88613	
Wittering	462	82406	37516	19216	872//	16206	83704	87706	88708
Watnall	354	82206	20106	18517	862//	16204	86704	88706	
Shawbury	414	82610	81036	17821	6847/	18206	82812	85619	88459
Finningley	360	72308	65021	17620	6547/	16203	82615	85635	
Spurn Point	396	70000	60031	18118	4557/	15001	84625	87360	
Leeming	257	82106	65042	16820	884//	15400	83815	85624	88650
Tynemouth	262	72703	61022	16819	5563/	13601	85630		
Carlisle	222	83202	58586	16517	873//	15304	82706	84708	88712
Valley	302	81910	50106	18416	851//	13208	82702	84706	88611
Ringway	334	82307	18516	18117	870//	17307	81701	86703	88705
Squires Gate	318	82509	25516	17817	871//	17209	88702		
Ronaldsway	204	82511	35285	17016	871//	16307	86702	88703	
Mull of Galloway	131	92309	03435	16115	9////	15202	89/01		
Eskdalemuir	162	82107	30516	15816	872//	15101	86703	88707	
Prestwick	135	82310	59216	15517	860//	17302	82701	83703	88707
Abbotsinch	140	82210	45506	14617	872//	16703	82705	85706	88708
Leuchars	171	72408	60216	14816	7527/	15804	81705	84708	85650
Dyce	091	82204	75216	13317	1847/	12706	81815	88459	
Lerwick	005	72510	84022	14312	58318	09302	81707	84635	87464
Wick	075	81508	60616	13312	4837/	11804	81707	83640	85359
Sule Skerry	010	81412	74216	12212	3557/	11705	83625	88458	
Cape Wrath	049	90903	02616	11212	9////	12710	89/00		
Stornoway	026	81815	61206	10313	852//	13709	81704	83707	88618
Benbecula	022	81915	09446	10815	860//	15601	86701	88702	
Tiree	100	82418	30286	13415	860//	15205	82701	88702	
Aldergrove	917	82408	65026	15819	862//	18006	82704	85707	88709
Malin	980	82312	80026	14817	863//	16106	85708	88712	
Belmullet	976	82119	58204	15917	5647/	16201	83714	84635	88457
Birr	965	82410	75022	18519	864//	17107	85715	88630	
Dublin	969	72712	82016	17221	584/2	18108	82712	83818	85622
Shannon	962	82610	81025	19119	863//	17201	82707	84709	88620
Roches Point	952	71303	82032	19717	7153/	16103	87824	83359	
Valentia	953	82111	65216	20319	853//	17204	82709	88630	

OBSERVATIONS at 18h. 22 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	62707	72012	19522	5143/	18503	83712	85815	85360
862	72707	70016	20023	2143/	19603	82818	86360	
797	72209	56056	19220	754//	17504	81711	87615	
776	72107	61012	19421	784//	18606	81818	83630	87656
775	72304	62022	19123	754//	18706	83618	87632	
772	72503	70022	18923	785//	18607	81820	84635	87656
586	72206	62022	18021	754//	17607	82712	87618	
590								
497	72508	62022	18021	755//	15709	87625		
502	22314	68011	19620	18430	17001	81712		
628	42608	65036	19721	15531	18601	81625	83072	
715	82810	25106	20317	860//	16201	82700	88701	
703	92515	00454	21315	9////	15202	89/00		
827	72306	58015	21518	752//	17000	81704	84710	85618
817	82708	01445	22216	860//	16101	88700		
804	32807	65014	23519	30970	17802	83358		
809	63309	70216	22319	55330	17102	84708	84360	
894	82410	04464	22316	860//	16804	87700		
534	72606	75802	18223	784//	18301	81715	86818	86635
559	72706	58052	18323	754//	19607	82712	86625	87635
462	82505	61055	17922	855//	18506	82620	88625	
354	72808	57052	17921	6547/	18001	83710	86621	87360
414	72612	82032	18121	785//	18303	82820	83625	87630
360	72908	62022	17221	754//	18201	84616	87656	
396	42407	60011	17221	35570	17604	83625	84360	
257	52710	80012	16421	38430	17002	81818	83645	
262	62715	61026	15920	6093/	17602	86358		
222	82808	58206	15719	852//	18804	82704	83707	86713
302	72109	60012	18416	6543/	15801	84618	86628	87360
334	82806	35205	18019	873//	18702	81708	88714	
318	72508	60016	17418	754//	17704	82712	87624	
204	72106	68012	16818	7543/	16706	81616	83628	85632
131	72608	73014	16017	2547/	16806	81710	86360	
162	81605	08515	15516	870//	16804	88701		
135	72103	62206	15717	782//	17802	81704	87642	
140	72707	68025	14619	784//	16802	81715	83620	87634
171	32309	81016	12920	25441	16709	81715		
091	51503	75026	11020	35542	15713	83625	83362	
005	81508	81616	13010	4732/	09809	84707	88458	
075	81511	45106	11112	6527/	12813	81705	83708	85618
010	81418	12536	09812	873//	12715	88706		
049	92018	05636	09214	9////	14611	89///		
026	82116	48505	09415	852//	14705	83703	84708	88617
022	82015	06505	10014	860//	14610	88701		
100	82217	40105	12615	851//	15610	83702	84709	88618
917	62207	82022	15421	655//	17806	86622		
980	72215	58505	13519	7647/	17807	85716	87630	87460
976	82023	50105	14517	863//	16710	84709	86716	87635
965	72307	81022	18220	785//	16605	84820	87634	
969	72612	86012	17421	685/2	16603	82820	86635	
962	82408	84032	18319	885//	17708	82822	87628	
952	51910	82011	19619	51500	16703	85824		
953	82014	68026	19718	863//	16706	84708	88630	

OBSERVATIONS during DAY

iii	RRT x T E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00230	011	+	+
862	97230	016	r.	+
797	97210	000	id.ir.	+
776	97220	000	d.	+
775	00230	001	+	+
772	00240	000	+	+
586	00210	001	+	+
590				
497		019		
502	91221	053	d.r.	+
628	97230	030	d.-d.r.-r.d.r.	+
715	01191	003	ff-d.frfr.f	ffF
703	93161	000		
827	01191	010	fd.-d.r.r	+
817	04171	000	d.r.FF■Rd.	FF
804	00190	023	ff	jf
809	03191	006	ffir.r.r.id.	ffir.
894	00181	001	ff	ff
534	97240	001	d.r.	pr.
559	97240	008	id.	+
462	97240	006	d.d.r.	+
354	93221	000	d.r.dr	+
414	00240	017	+	+
360	00230	016	+	+
396			+	+
257	00230	013	+	+
262	97200	007	ir.	+
222	97200	000	r.d.r.d.d.	d.id.
302	01181	006	r.fd.	+
334	91191	000	d.d.	d.d.
318	91191	001	rfd.r.d.r.ff	+
204	92201	024	d.d.f	+
131	00181			
162	01171	000	d.r.d.r.	d.d.id.f
135	01181	001	drd.r.	d.r.id.
140	01191	000	ddrid.	jp
171	01220	037	ir.rrd.r.	+
091	97201	028	r.	+
005	01131	001	+	ir.rrr.r.
075	02131	000	r.r.	id.idd.d.ir.
010	10132			
049	03142	000	rrffr.r.	ffFFr.r.rrRR
026	01161	001	d.d.id.	id.r.r.
022	04151	000	dd.d.ff	id.firrr
100	01161	000	d.r.drd.fid.	id.d.d.drd.r.
917	91221	008	id.d.d.	+
980	9620	012		
976	9719	000		
965	0021	001		
969	9123	015		
962	9122	006		
952	0024	047		
953	9719	000		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

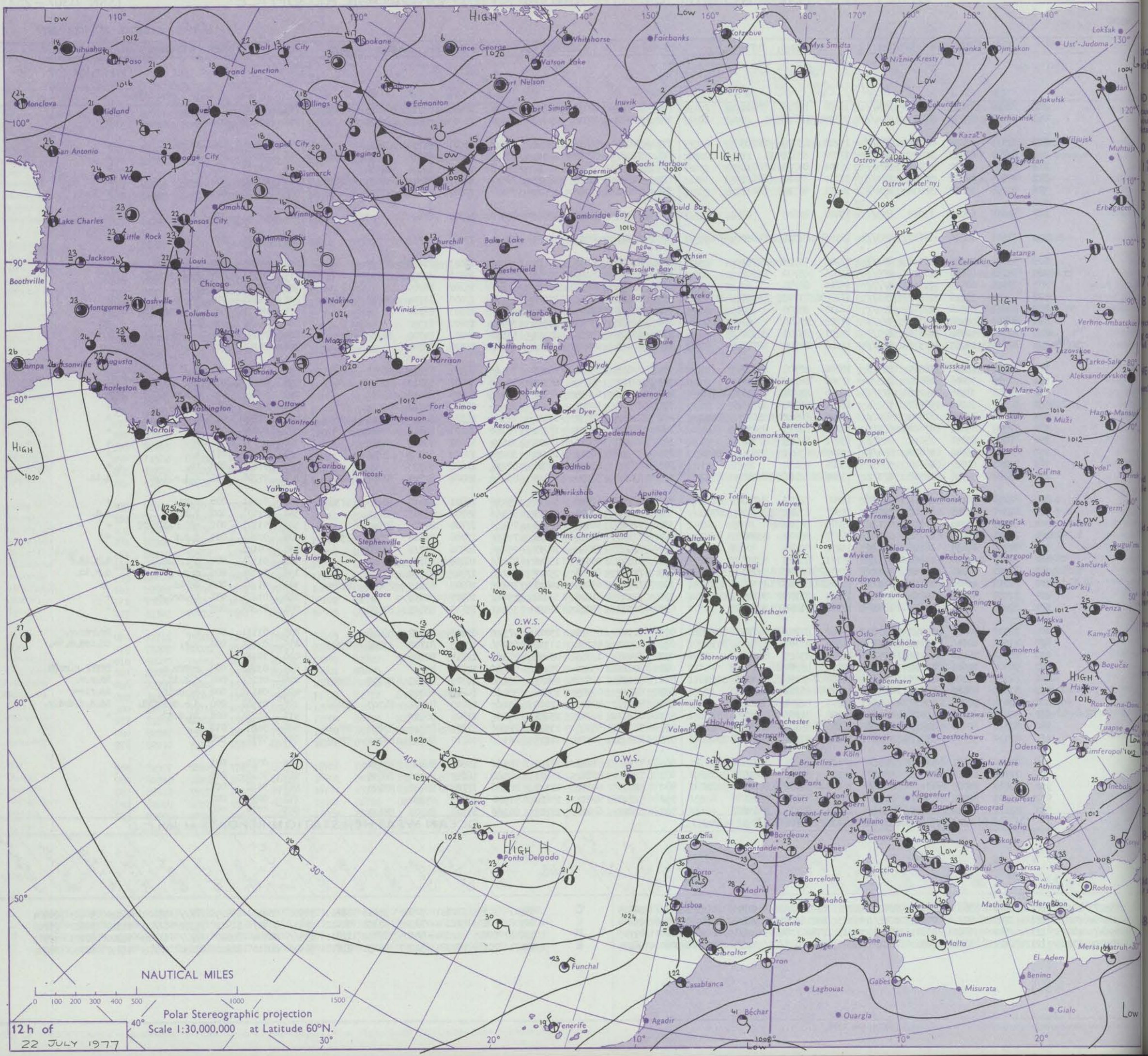
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	22121	80502	96636	99709	8042/	00722	88514	/////	05510	11239	3////	24105
L	99569	70201	22124	72023	97216	00413	3747/	00503	83816	83458	0//09	11344	30806	15804
M	99647	10025	22124	50109	98011	11211	48530	00217	81820	84635	0//10	11207	30201	99/03
R	99470	70168	22124	72216	98032	24318	755//	00501	87630	/////	0//18	11774	30602	26804

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	22181	32908	98016	03311	31500	00238	83825	/////	05109	11229	30403	24904
L	99568	70202	22184	72228	97158	01412	29432	51107	81912	83362	0//10	11329	30807	25908
M	99648	10025	22184	80105	98032	12811	855//	00104	88620	/////	0//08	11200	30201	32803
R	99471	70168	22184	52217	98031	22718	58500	00710	82820	83630	0//18	11797	30702	26804

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Low
High
Chihuahua
El Paso
Midland
San Antonio
Del Rio
Monclova
Salt Lake City
Grand Junction
Billings
Rapid City
Lodge City
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Watson Lake
Fort Nelson
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Barrow
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Mys Šmidta
Nižnie Kresty
Čokurdah
Djikakon
Ust'-Judoma
Lokčak
Jakutsk
Verhojansk
Kazač'e
Ostrov Zelenyj
Ostrov Kotel'nyj
Olenek
Tiksi
Sachs Harbour
Coppermine
Cambridge Bay
Gould Bay
Resolute Bay
Eureka
Alert
Arctic Bay
Isachsen
Churchill
Baker Lake
Chesterfield
Winisk
Moosonee
Nakina
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Yarmouth
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Sable Island
Cape Race
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Coral Harbour
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Port Harrison
Fort Chimo
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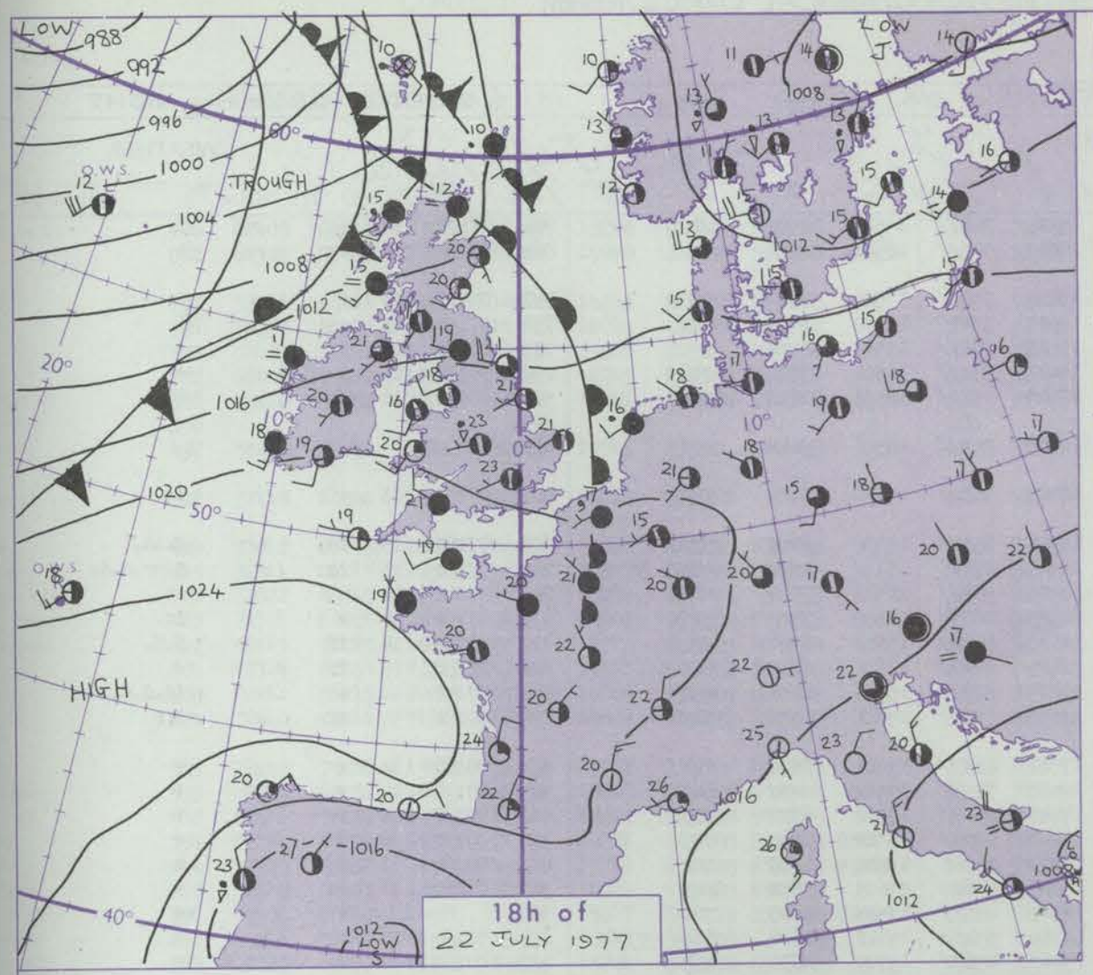
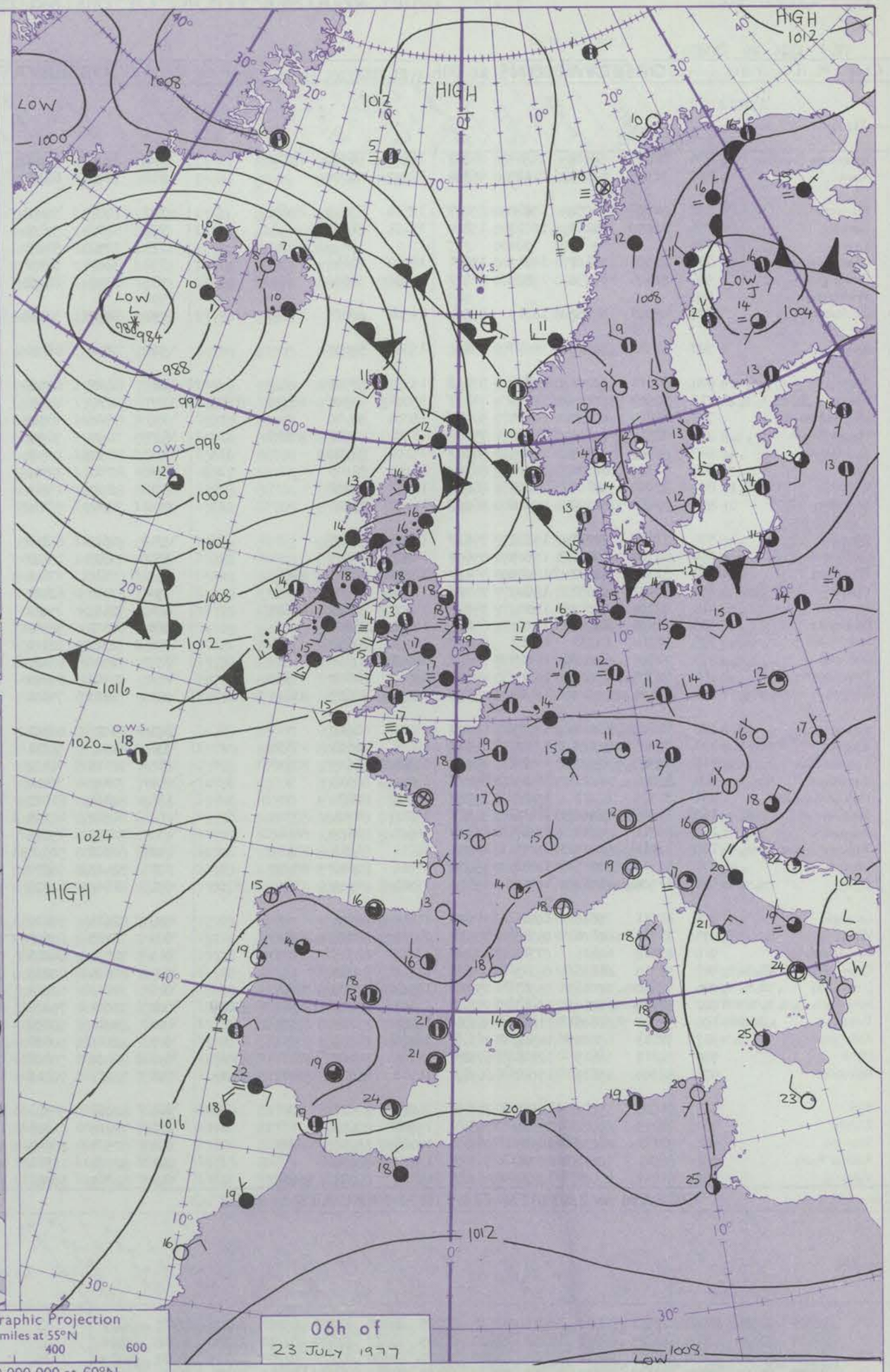
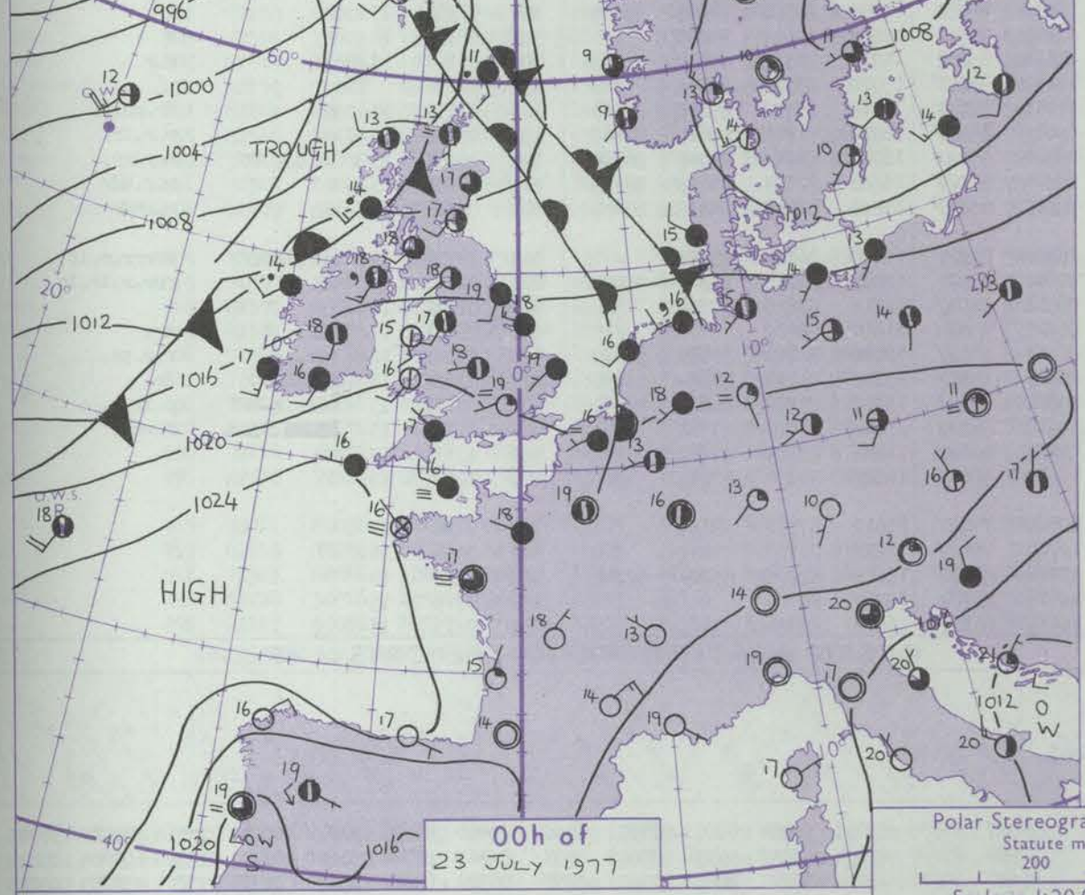
Hopedale
Cape Dyer
Lerwick
Stornoway
Belmullet
Valentia
Holyhead
Aberporth
Manchester
Glasgow
Belfast
Thorshavn
Reykjavik
Dalatangi
Jan Mayen
Kap Tobin
Godthab
Amerikshab
Aputiteq
Ammassalik
Angmagssalik
Prins Christian Sund
Narssuaq
Frobisher
Hopen
Barencburg
Nord
Danmarkshavn
Daneborg
Tromsø
Murmansk
Arhangel'sk
Obljacevo
Myken
Nordoyan
Reboly
Kargopol
Sančursk
Vologda
Gor'kij
Ostersund
Oslo
Stockholm
Helsinki
Ona
Moskva
Penza
Kamyšin
Smolensk
Minsk
Bogučar
Rostov-na-Donu
Kiev
Harkov
Simferopol'
Odessa
Sulina
Tuapse
Sochi
Batumi
Erzincan
Erbogacen
Muhtuja
Verhne-Imbatskoe
Tazovskoe
Tarko-Sale
Aleksandrovskoe
Mare-Sale
Russkaja
Malye Karmakuly
Muži
Hanty-Mansijsk
Ivdel'
Ivdel'-Cil'ma
Ivdel'
Ukhta
Ust'-Cil'ma
Ust'-Usa
Pečora
Ust'-Cil'ma
Ust'-Usa
Pečora
Ust'-Cil'ma
Ust'-Usa
Pečora







Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

Issued at midday SATURDAY 23 JULY 1977

GENERAL SYNOPTIC DEVELOPMENT

A depression about 300 miles southwest of Iceland has moved very slowly northeast. An associated warm front from Iceland to southeast England has moved slowly east followed by a moist southwest airstream across all parts of the British Isles. An anticyclone near Azores with an associated ridge of high pressure to Biscay has persisted. During the next 24 hours the low near Iceland will move slowly east. The ridge of high pressure from Azores will extend slowly eastwards across France. A cold front moving east into western parts of the British Isles will be followed by a shallow unstable westerly airstream.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V

OBSERVATIONS at 00h. 23 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82807	58102	20917	862//	16203	86704	88706	
Hurn	862	52905	62031	21119	46301	18202	84709		
Manston	797	82208	56052	19218	854//	17804	83618	88630	
Gatwick	776	10000	34111	20217	15600	17101	81635		
Kew	775								
Heathrow	772	22504	56101	19719	15601	18202	81648		
Honington	586	82606	40052	18320	857//	18701	88650		
Wattisham	590								
Gorleston	497	82307	58052	18319	855//	17804	88625		
Aberporth	502	12312	80020	20016	15601	15801	81635		
Filton	628	82614	30201	20916	871//	15303	88702		
Rhoose	715	72809	50105	20916	751//	15001	83702	86703	87620
Hartland Point	703	92815	00454	21915	9////	15204	89/00		
Mount Batten	827	72807	62101	22516	753//	16001	82709	87618	
St. Mawgan	817	82709	02464	22915	860//	15102	88700		
Scilly	804	82707	60284	24016	863//	16003	88706		
Culdrose	809	82909	40101	23016	861//	15102	88702		
Guernsey	894	82810	02444	22816	860//	16102	88700		
Elmdon	534	72605	70038	19218	755//	16301	87625		
Cardington	559	42709	50101	19319	45600	19202	84645		
Wittering	462	82502	62032	18919	854//	18302	84712	88640	
Watnall	354	72402	45052	18618	763//	17000	87706		
Shawbury	414	72204	70012	18618	755//	17802	84624	86635	
Finningley	360	61406	60041	18019	656//	17001	86630		
Spurn Point	396	82814	61031	17818	856//	16001	88640		
Leeming	257	71905	65022	16919	754//	16802	87616		
Tynemouth	262	72705	69022	16319	4567/	18802	84630	87358	
Carlisle	222	42302	70015	15418	45500	16804	82627	83645	
Valley	302	11609	62011	17915	15400	15710	81618		
Ringway	334	72006	35106	18319	755//	18801	81628	87635	
Squires Gate	318	72310	62022	17517	755//	17706	81625	87636	
Ronaldsway	204	62608	82011	16417	656//	15806	86639		
Mull of Galloway	131	32325	82011	15415	38500	14807	82825		
Eskdalemuir	162	71807	06465	14916	760//	15808	84701	87705	
Prestwick	135	62211	75012	14018	655//	16608	81620	86642	
Abbotsinch	140	42211	64015	13018	45400	16711	81712	83625	
Leuchars	171	52310	70011	12017	55400	15814	82616	85650	
Dyce	091	61909	82022	10717	3567/	15711	81635	83650	86360
Lerwick	005	81611	15616	10411	870//	11816	88701		
Wick	075	71707	65106	08713	755//	12719	82622	87640	
Sule Skerry	010	82318	64616	07713	874//	13714	88715		
Cape Wrath	049	92315	01656	08313	9////	13810	89/00		
Stornoway	026	72610	70016	08913	753//	13503	82709	87622	
Benbecula	022	72013	60214	09913	752//	13103	83705	85711	87619
Tiree	100	82214	50606	11814	862//	14801	83703	88706	
Aldergrove	917	72113	65502	14518	763//	16806	81708	87710	
Malin	980	82612	56615	12516	6732/	15809	84707	86711	88545
Belmullet	976	82309	45635	13014	6632/	14710	82706	85711	88545
Birr	965	71908	75022	16518	755//	16813	87627		
Dublin	969	72213	80021	16319	756//	15716	87630		
Shannon	962	82111	80032	16818	864//	16709	85715	88620	
Roches Point	952	82011	70031	19716	863//	15707	88706		
Valentia	953	81817	66022	17817	863//	16815	86708	88628	

OBSERVATIONS at 06h. 23 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82805	80021	19916	863//	15500	83707	88710	
Hurn	862	72405	62011	20817	755//	16502	87625		
Manston	797	72205	50052	18718	756//	17501	82645	87656	
Gatwick	776	52304	59101	19617	35330	17502	81708	83657	
Kew	775	72505	58051	19517	762//	15502	87705		
Heathrow	772	82405	56101	19417	862//	16501	83705	88706	
Honington	586	62206	22102	17619	1577/	18502	81650	86360	
Wattisham	590								
Gorleston	497	82605	32052	17619	855//	18501	88625		
Aberporth	502	72116	65031	18315	56202	15611	85704	87075	
Filton	628	82808	65505	19716	853//	15500	86707	88620	
Rhoose	715	82711	48506	19915	871//	15301	81702	85706	88708
Hartland Point	703	82718	56505	20514	863//	14502	88706		
Mount Batten	827	72608	56505	21415	762//	15000	83705	87707	
St. Mawgan	817	82509	20504	21415	860//	15602	86701	88702	
Scilly	804	82511	70012	22415	854//	15601	86714	88619	
Culdrose	809	82509	15504	21515	870//	15503	84701	88704	
Guernsey	894	72605	58404	22315	751//	15501	81702	87614	
Elmdon	534	82610	60042	17917	863//	15501	88707		
Cardington	559	72610	28101	18417	753//	17502	87707	87645	
Wittering	462	82610	27101	17717	861//	17502	86702	88703	
Watnall	354	82407	62031	17217	862//	16502	86705	88708	
Shawbury	414	72112	75011	16917	763/2	15804	81708	86712	
Finningley	360	62308	58041	16118	45602	07603	83630	86075	
Spurn Point	396	72307	32101	16518	4567/	17503	84640	87360	
Leeming	257	72010	65022	14319	5543/	15712	81616	85630	85360
Tynemouth	262	72306	69022	13417	4567/	15709	84630	87358	
Carlisle	222	72213	75601	12418	754//	16717	81617	83625	87635
Valley	302	82021	07461	15714	870//	14614	88700		
Ringway	334	62011	58011	16416	45332	15704	82706	84640	86075
Squires Gate	318	72113	70022	15417	755//	16608	81625	87630	
Ronaldsway	204	72107	70022	13614	652/2	14715	81705	85632	
Mull of Galloway	131	82130	81022	11114	3557/	13720	83620	88360	
Eskdalemuir	162	81912	40214	11715	871//	15718	85702	88710	
Prestwick	135	72012	75216	09617	6547/	16722	81711	85624	87462
Abbotsinch	140	82402	50636	08916	7712/	16724	81702	84705	86708
Leuchars	171	82403	56616	10216	852//	13503	82703	83618	88625
Dyce	091	81602	62636	08916	4577/	15803	84650	84358	88459
Lerwick	005	82411	30616	06912	872//	12720	86704	88708	
Wick	075	72403	82606	07614	3547/	12808	81715	83645	85359
Sule Skerry	010	72312	64016	06512	3557/	12715	83625	87360	
Cape Wrath	049	82309	80026	06912	856//	11607	88630		
Stornoway	026	72112	62022	06413	753//	12716	81707	83620	86630
Benbecula	022	72011	75026	06413	5537/	13723	81707	83614	85635
Tiree	100	82011	58606	08314	6527/	13717	82703	86625	88458
Aldergrove	917	82115	50626	10618	863//	15616	83708	88712	
Malin	980	82409	50606	08914	863//	14716	83709	87716	
Belmullet	976	72213	70215	10114	764//	14605	84717	87638	
Birr	965	82011	58586	12917	7742/	15612	87711	88459	
Dublin	969	72216	81032	12718	754//	14718	84718	87635	
Shannon	962	82515	20585	13416	872//	16612	82705	85708	88711
Roches Point	952	82024	12514	16115	860//	15717	88701		
Valentia	953	82215	30586	14416	862//	16612	88704		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.--03h.	WEATHER 03h.—09h.
Boscombe Down	746	97140	10	+	do
Hurn	862	00150	12	+	+
Manston	797	00170	16	+	+
Gatwick	776	97150	13	+	+
Kew	775	00170	15	+	+
Heathrow	772	00170	15	+	+
Honington	586	00180	16	+	+
Wattisham	590				
Gorleston	497				
Aberporth	502	97151	13	+	ido
Filton	628	97160	15	ido	do ido
Rhoose	715	97151	15	fdo	do-ro dodo
Hartland Point	703	91141	14		
Mount Batten	827	97151	14	+	ido
St. Mawgan	817	91151	14	ff	dodo
Scilly	804	00150	15	ff	+
Culdrose	809	97141	14	+	ido dodo
Guernsey	894	00151	14	ff	Fff
Elmdon	534	00160	14	+	+
Cardington	559	00170	14	+	+
Wittering	462	00160	14	+	+
Watnall	354	00170	14	+	+
Shawbury	414	00160	11	+	+
Finningley	360	00160	11	+	+
Spurn Point	396			+	+
Leeming	257	00180	15	+	+
Tynemouth	262	00160	14	+	+
Carlisle	222	97170	13	+	ro
Valley	302	91141	13	+	ffdodo
Ringway	334	97161	15	ro	+
Squires Gate	318	00171	16	+	+
Ronaldsway	204	91141	13	+	ror
Mull of Galloway	131	92131			
Eskdalemuir	162	01151	14	ff	iro rdo ro
Prestwick	135	03171	16	ro	ro ro iro
Abbotsinch	140	16151	15	idodo ro rr	Rrrdrro
Leuchars	171	06152	15	+	ro ro Rdr
Dyce	091	06161	14	+	ro rRdr
Lerwick	005	18112	11	ro ro ifffrr	FFrrr ro ro if
Wick	075	02121	12	iro	rrr ro ro iro ir
Sule Skerry	010	02112	11		
Cape Wrath	049	08111	11	RRiro	iro
Stornoway	026	94121	12	ro ro	ro ro pro
Benbecula	022	92131	13	ro ro iro	iro
Tiree	100	05131	13	do ro iro rrR	ro iro ro
Aldergrove	917	01161	15	[illegible] clore	ro rdo
Malin	980	1813	13		
Belmullet	976	1014	13		
Birr	965	9414	14		
Dublin	969	0018	16		
Shannon	962	0415	14		
Roches Point	952	9715	15		
Valentia	953	0215	15		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwTT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	23001	72711	98021	08711	42530	00225	84828	83359	05107	11216	3//05	/////
L	99569	70199	23004	52225	98021	00912	48402	00803	81817	83640	0//10	11330	30908	18806
M	99646	10026	23004	30507	98011	12910	35500	00709	83630	/////	0//08	11215	30201	99/03
R	99470	70167	23004	72118	97022	21818	755//	00807	87630	/////	0//18	11774	30703	26804

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwTT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	23061	62306	98012	10911	65500	00400	86626	/////	00009	11166	3//02	///05
L	99569	70199	23064	62112	98218	97612	4537/	51613	82708	83640	0//11	11302	30805	22804
M	99647	10026	23064	51207	98012	11111	35574	00710	83621	85070	0//09	11201	30201	03703
R	99470	70164	23064	72416	97285	20018	45442	00504	84616	83363	0//18	11751	30603	26805

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. 8

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42248

Date of Issue SUNDAY 24 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 23 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_d app	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	62409	84015	17922	11402	15816	81818	85070	
Hurn	862	62308	77012	19221	11502	17710	81820	86070	
Manston	797	72313	65021	17225	10942	16810	81365	87070	
Gatwick	776	72610	81022	18323	11536	16714	81826	87275	
Kew	775	52608	80022	17922	11502	15816	81828	85075	
Heathrow	772	62407	75012	17823	11632	16715	81830	86075	
Honington	586	72210	56052	16222	11432	15811	81817	86080	
Wattisham	590								
Gorleston	497	52215	58052	15823	3262/	17716	83830	84460	
Aberporth	502	82119	60502	15917	873//	15812	88706		
Filton	628	73012	75015	18118	784//	15811	81815	87620	
Rhoose	715	32911	78015	17920	16432	15817	81710	83070	
Hartland Point	703	82622	48515	18615	872//	15714	88705		
Mount Batten	827	72311	60205	20216	763//	15808	86706	87710	
St. Mawgan	817	82413	70025	19618	853//	15713	84708	88615	
Scilly	804	42314	65031	20519	11421	17712	81818	84460	
Culdrose	809	82211	56215	20017	872//	16809	85704	88709	
Guernsey	894	72410	09414	21817	66001	15604	82700	85703	
Elmdon	534	72215	75032	15623	31582	15717	83824	86075	
Cardington	559	62714	62052	16623	21432	18815	82817	85072	
Wittering	462	62516	75032	15223	11602	15817	81830	86075	
Watnall	354	62214	75022	13823	21572	14821	82822	83360	85075
Shawbury	414	72420	83032	14521	48586	15718	83820	83645	85360
Finningley	360	52416	82022	12925	28682	14824	81840	85075	
Spurn Point	396	72408	64012	13921	15672	15817	81630	83360	87075
Leeming	257	82216	70032	11919	854//	15716	88618		
Tynemouth	262	82020	69032	10018	4567/	15724	84630	88358	
Carlisle	222	82416	62606	09216	6537/	15723	81706	83710	85640
Valley	302	81930	50586	12715	871//	15721	88702		
Ringway	334	72120	65602	13820	4857/	14619	81820	84625	87360
Squires Gate	318	72314	75602	12717	7537/	16722	83708	83630	85650
Ronaldsway	204	82418	35506	10514	871//	14616	86702	88703	
Mull of Galloway	131	82130	70022	08214	5552/	13816	85620	88460	
Eskdalemuir	162	82014	40506	09215	861//	14611	88702		
Prestwick	135	82516	58216	07616	7842/	15714	81710	83714	86622
Abbotsinch	140	72515	65608	06317	753//	15615	81708	84714	87620
Leuchars	171	72318	80028	04920	685/2	14819	85822		
Dyce	091	62009	82016	03519	48430	16730	83814	83360	
Lerwick	005	72510	60106	04413	7527/	12714	82703	86706	87640
Wick	075	71805	81216	04215	4847/	14720	81815	84650	87360
Sule Skerry	010	82307	58616	04513	855//	13708	88625		
Cape Wrath	049	82304	80025	04413	856//	12714	88630		
Stornoway	026	71810	75218	03114	5847/	13718	82816	84626	86360
Benbecula	022	72014	75026	03215	6537/	13719	83709	85620	87362
Tiree	100	72219	70016	05015	7537/	14715	84707	85618	87358
Aldergrove	917	72311	84026	08317	5542/	13709	82713	84620	87462
Malin	980	72116	84606	05816	6843/	12723	81716	86650	87359
Belmullet	976	82030	72606	05716	7547/	13728	82717	86640	88459
Birr	965	82211	80026	10118	864//	15626	85713	88636	
Dublin	969	82210	75206	09517	863//	16724	84708	85715	87620
Shannon	962	72513	82016	10218	5857/	16724	82820	84635	86458
Roches Point	952	82024	30516	12516	862//	15825	88703		
Valentia	953	82117	65036	12217	854//	14813	81712	88650	

OBSERVATIONS at 18h. 23 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_d app	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	72015	81022	14519	48432	15716	82814	84622	86072
Hurn	862	72314	75032	15717	76332	15726	86708	84359	87070
Manston	797	72116	65022	14720	11582	15611	81820	87072	
Gatwick	776	52216	80011	15319	18482	14717	81613	85072	
Kew	775	52114	82022	14021	11632	14720	81835	85075	
Heathrow	772	42015	83011	13922	14632	14618	81645	83075	
Honington	586	72114	80032	11224	38672	13822	81840	83656	86361
Wattisham	590								
Gorleston	497	82313	66021	11825	8097/	13720	88360		
Aberporth	502	82119	66015	11616	2737/	14720	82708	88458	
Filton	628	72615	75602	13819	785//	15719	85620	87635	
Rhoose	715	82516	65201	13917	873//	15823	82706	87708	88712
Hartland Point	703	82728	62022	14316	873//	15820	88706		
Mount Batten	827	82318	60032	17216	853//	15816	86707	88612	
St. Mawgan	817	82215	60502	16217	852//	15616	86705	88618	
Scilly	804	82316	58216	17017	864//	16817	88710		
Culdrose	809	82314	40101	16916	861//	15815	86702	88704	
Guernsey	894	52512	75034	19517	16202	15612	81705	85075	
Elmdon	534	82215	75026	11719	2847/	13819	81715	86360	88464
Cardington	559	72615	70022	11923	45676	17828	84630	85365	87272
Wittering	462	72516	84142	11221	11682	15824	81835	85359	86362
Watnall	354	82115	70216	09619	3558/	14729	83625	83356	86360
Shawbury	414	72218	70252	09918	5843/	16725	83814	84625	87360
Finningley	360	82216	83216	08219	6552/	14729	82620	86656	88459
Spurn Point	396	82414	68258	09720	4557/	14721	84625	88460	
Leeming	257	72318	62606	06019	784//	15734	83814	85622	86650
Tynemouth	262	72318	69028	04218	5357/	15736	82925	85630	
Carlisle	222	72513	70016	03916	5627/	15731	85704	85362	86464
Valley	302	82026	57016	07715	852//	14725	83705	88645	
Ringway	334	82117	81026	08519	854//	15730	83616	88622	
Squires Gate	318	82323	75016	06817	7537/	15728	82708	83618	87640
Ronaldsway	204	82117	59106	05014	7512/	14726	83702	87640	88460
Mull of Galloway	131	62230	58012	02614	48533	13740	81820	83630	85070
Eskdalemuir	162	72116	60015	02615	6247/	13732	82712	86820	87360
Prestwick	135	71914	72258	01516	6847/	15738	81715	83835	85640
Abbotsinch	140	72012	68218	00117	6847/	14746	81815	86635	
Leuchars	171	72415	80158	00717	685/2	12823	85825	87070	
Dyce	091	71503	65808	99516	782//	15720	82704	83815	85640
Lerwick	005	72403	62212	99813	7803/	12723	81700	83635	87656
Wick	075	81606	18508	98613	850//	13729	83701	85707	88640
Sule Skerry	010	81603	58036	99313	864//	13726	88710		
Cape Wrath	049	72304	80808	98213	785//	11742	84820	87625	
Stornoway	026	81512	50608	96413	853//	12840	82708	85624	88630
Benbecula	022	81815	58616	94013	852//	13754	83704	86707	88614
Tiree	100	82224	40636	95914	7612/	14756	82702	87704	88530
Aldergrove	917	72621	80216	03315	753//	13523	81708	85618	86630
Malin	980	62529	65016	00615	624//	12514	83715	85819	
Belmullet	976	72517	64106	06214	754//	11212	82717	86638	
Birr	965	72818	64606	07616	763//	14610	83709	85714	87634
Dublin	969	72319	86606	05418	7847/	13721	82717	85822	87645
Shannon	962	72813	80256	09516	784//	13303	81715	85820	86640
Roches Point	952	72116	75012	10517	66472	14715	86715	84359	87073
Valentia	953	72713	62036	11416	784//	14301	83819	87625	

OBSERVATIONS during DAY

Station	iii	RRT x T E x	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00250	058	+	+
Hurn	862	00210	066	+	+
Manston	797	00260	088	+	+
Gatwick	776	00250	091	+	+
Kew	775	00260	077	+	+
Heathrow	772	00270	073	+	+
Honington	586	00270	050	+	+
Wattisham	590				
Gorleston	497		049		
Aberporth	502	97181	017	id.	+
Filton	628	92211	035	id.	r.r.d.r.
Rhoose	715	97210	038	d.d.	id.d.r.ir.d.
Hartland Point	703	97161	000		
Mount Batten	827	93181	003	d.	d.r.
St. Mawgan	817	92201	022	+	id.
Scilly	804	97190	042	+	ir.ff
Culdrose	809	97181	010	id.	id.Fid
Guernsey	894	00171	046	ffif	jf
Elmdon	534	97240	047	+	ir.
Cardington	559	97250	046	+	r.
Wittering	462	00250	043	+	+
Watnall	354	97240	023	r.	ir.id.
Shawbury	414	97220	024	+	pr.
Finningley	360	97260	033	ir.	ir.
Spurn Point	396			+	pr.ir.
Leeming	257	91210	006	r.r.	r.r.d.
Tynemouth	262	01191	002	r.r.pr	pr.
Carlisle	222	03191	001	ir.rd.r.ir.	ir.rRr.
Valley	302	01151	000	d.d.r.	d.r.
Ringway	334	97210	019	r.r.	r.
Squires Gate	318	04191	002	rr.r.d.r.R	Rrr.
Ronaldsway	204	03161	001	r-d.r.-d.d.	r-d.-dr
Mull of Galloway	131	92141			
Eskdalemuir	162	04171	001	d.r.d.	pr.Rr.
Prestwick	135	01181	003	ir.	ir.pr
Abbotsinch	140	01191	004	r.pr.r.r.	rr.pr.d.r.
Leuchars	171	94211	036	rrpr.	pr.
Dyce	091	05212	023	Rrpr.pr	pr.r.r
Lerwick	005	97141	003	if	ir.
Wick	075	09172	002	ir.pr.	pRd.r.f
Sule Skerry	010	92151			
Cape Wrath	049	03152	009	id.	prid.FF
Stornoway	026	05151	005	r.r.pr.	pr.r.ir.
Benbecula	022	09161	005	ir.rr.r.	Rrrir.d.r.
Tiree	100	06151	000	ir.Rr	rRdrid.
Aldergrove	917	92180	004	d.	r.r
Malin	980	9518	019		
Belmullet	976	9617	009		
Birr	965	0420	009		
Dublin	969	0319	002		
Shannon	962	0219	007		
Roches Point	952	0119	023		
Valentia	953	0219	013		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

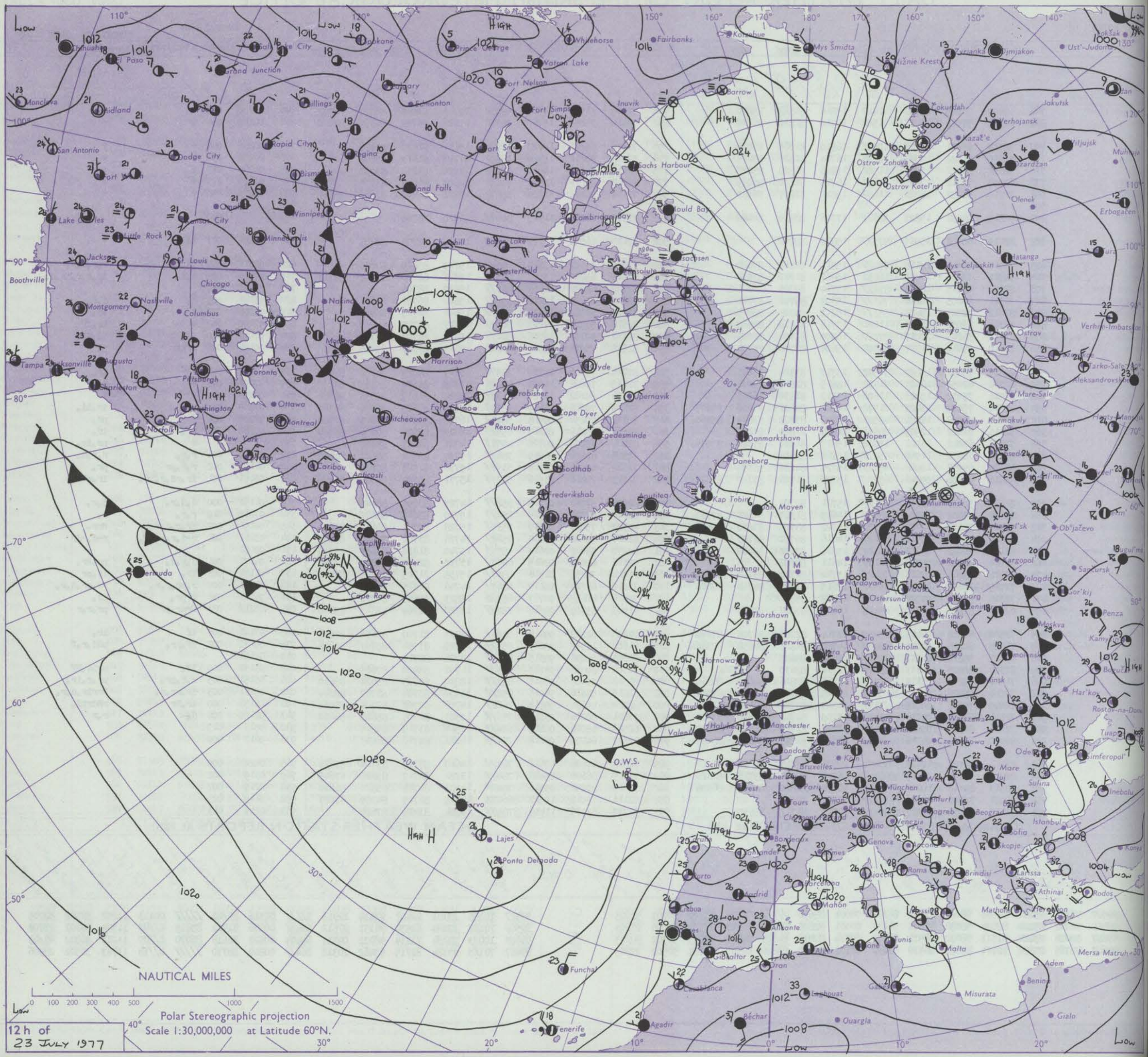
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	23121	81506	98022	11412	856//	00001	88630	/////	00211	11100	30201	32005
L	99569	70202	23124	82424	98038	97811	7843/	00001	82818	86645	0//09	11339	30606	21804
M	99647	10024	23124	61513	98012	08511	48471	00614	82818	84623	0//09	11213	30302	99/03
R	99467	70165	23124	72414	97031	20518	784//	00102	85810	83620	0//18	11784	30502	27805

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	23181	92407	92434	12913	9////	00316	89/02	/////	00113	11252	30302	32005
L	99569	70198	23184	62530	98151	97512	6943/	00806	81912	83815	0//09	11304	30707	27808
M	99649	10023	23184	71214	98022	04311	65404	00822	86618	86070	0//09	11203	30302	99/03
R	99467	70163	23184	82715	93462	20318	864//	00802	88710	/////	0//18	11743	30502	28906

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Low
High
1012
1016
1020
1024
1008
1004
1000
996
992
988
984
972
Whitehorse
Fairbanks
Kotzebue
Mys Šmidta
Prince George
Watson Lake
Fort Nelson
Fort Simpson
Inuvik
Barrow
Yakutsk
Verhojansk
Ostrov Kotel'nyj
Ostrov Zohova
Ust'-Judoma
Ojmjakon
Žyrjanka
Nižnie Krestovo
Calgary
Edmonton
Billings
Rapid City
Bismarck
Regina
Winnipeg
Grand Falls
Sachs Harbour
Coppermine
Gould Bay
Cambridge Bay
Resolute Bay
Eureka
Alert
Thule
Isachsen
Arctic Bay
Churchill
Baker Lake
Chesterfield
Nottingham Island
Coral Harbour
Winisk
Moosonee
Fort Harrison
Hyde
Ivigtut
Cape Dyer
Resolution
Pond Inlet
Pangnirtung
Frobisher
Fort Chimo
Hopedale
Goose
Goodthab
Frederikshab
Angmagssalik
Prins Christian Sund
Stephenville
Gander
Sable Island
Cape Race
Bermuda
Reykjavik
Thorshavn
Lerwick
Stornoway
Dalatangi
Kap Tobin
Jan Mayen
Barencburg
Danmarkshavn
Daneborg
Hopen
Bjornoya
Murmansk
Ostersund
Oslo
Stockholm
Helsinki
Ona
Myken
Rørvoyar
Ostersund
Wyborg
Leningrad
Moskva
Minsk
Warszawa
Gdansk
Kobenhavn
Hamburg
Berlin
Manchester
London
Bruxelles
Paris
Brest
Tours
Cherbourg
Valentia
Scilly
Lisboa
Porto
Madrid
Gibraltar
Casablanca
Agadir
Oran
Alger
Tunis
Malta
Mersa Matruh
El Adem
Benina
Misurata
Gialo
Ouargla
Laghouat
Béchar
Tenerife
Funchal
Lajes
Ponta Delgada
Bermuda
Boothville
San Antonio
Lake Charles
Jacksonville
Tampa
Montgomery
Little Rock
Jackson
Dodge City
Fort Worth
Kansas City
Minneapolis
St. Louis
Chicago
Nashville
Columbus
Augusta
Charleston
Pittsburgh
Washington
Norfolk
New York
Ottawa
Montreal
Toronto
Caribou
Anticosti
Moncton
Halifax
Monclova
Midland
Grand Junction
Salt Lake City
Spokane
Omaha
Winnipeg
Minneapolis
Duluth
Nassau
Havana
Key West
Miami
Tampa
Jacksonville
Augusta
Charleston
Norfolk
New York
Caribou
Anticosti
Moncton
Halifax
Sable Island
Cape Race
Bermuda
Lajes
Ponta Delgada
Funchal
Tenerife
Agadir
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Malta
Mersa Matruh
El Adem
Benina
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Gdansk
Warszawa
Wien
Praha
Budapest
Beograd
Zagreb
Sarajevo
Istanbul
Sofia
Bukuresti
Odesa
Sevastopol'
Simferopol'
Kerč
Tuapse
Rostov-na-Donu
Har'kov
Kursk
Penza
Kazan'
Moskva
Jaroslavl'
Vologda
Archangel'sk
Ob'jaževo
Murmansk
Apatity
Kirovsk
Salehard
Igarka
Turuhansk
Jenisejsk
Tura
Ust'-Kut
Irkutsk
Bratsk
Ust'-Ilimsk
Bodajbo
Olenek
Tiksi
Erbogačen
Ust'-Kut
Jakutsk
Tatanga
Verhojansk
Oljujsk
Nazar'e
Ostrov Zohova
Ostrov Kotel'nyj
Ostrov Bol'šoj Ljahovskij
Ostrov Kotel'nyj
Russkaja Gavan'
Mare-Sale
Malye Karmakuly
Muzi
Aleksandrovsk
Verhne-Imbatsk
Turuhansk
Igarka

18h of 23 JULY 1977

00h of 24 JULY 1977

06h of 24 JULY 1977

Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

Issued at midday SUNDAY 24 JULY 1977

GENERAL SYNOPTIC DEVELOPMENT

During the last 24 hours the depression south of Iceland remained almost stationary. A secondary depression developed on its southeastern flank and moved slowly eastward. Troughs of low pressure moved eastwards across many districts of the British Isles. The ridge of high pressure extending from the Azores into Biscay persisted. During the next 24 hours the low near Iceland will fill, and the secondary depression on its southeastern flank is expected to move east over Norway. A cold front will clear southern districts leaving the British Isles covered by an unstable northwesterly airstream.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V

OBSERVATIONS at 00h. 24 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	82409	65202	11316	862//	15616	85703	88707	
Hurn	862	82316	58516	12316	872//	16727	86704	88705	
Manston	797	82220	70022	10516	36377	14626	83708	83364	88270
Gatwick	776	82315	64022	11316	863//	15728	88706		
Kew	775								
Heathrow	772	82216	75021	10618	854//	15718	85711	88615	
Honington	586	82114	80016	07618	6542/	14718	82616	86621	88459
Wattisham	590								
Gorleston	497	82120	66022	07319	8097/	15718	88458		
Aberporth	502	82718	60052	09814	852//	14604	83705	86615	88640
Filton	628	72717	75036	10016	754//	14720	82712	87623	
Rhoose	715	82520	61586	09816	873//	14823	81707	88708	
Hartland Point	703								
Mount Batten	827	72615	56026	13216	753//	15719	84709	87620	
St. Mawgan	817	82417	40205	13116	860//	15718	83700	88701	
Scilly	804	82715	58024	14916	864//	16712	88711		
Culdrose	809	82613	58055	13515	851//	15715	86702	88616	
Guernsey	894	82318	03444	16415	860//	15717	88700		
Elmdon	534	72314	75026	07617	655/2	11619	82625	86640	
Cardington	559	82515	70216	08617	854//	16720	84713	84717	88624
Wittering	462	62619	82012	06817	25578	13822	82620	83360	85272
Watnall	354	82315	70025	05717	854//	12620	88618		
Shawbury	414	82516	70036	06616	854//	15614	84710	87618	88650
Finningley	360	52314	82032	04117	55600	12619	85630		
Spurn Point	396	62422	66026	04517	1557/	14719	81625	86360	
Leeming	257	62910	70016	02115	654//	10612	83614	85656	
Tynemouth	262	42514	80028	00915	45500	12606	84625		
Carlisle	222	72713	70036	01714	755//	11502	83625	86649	
Valley	302	72512	58032	07614	756//	11107	87635		
Ringway	334	82513	60626	06115	7562/	13509	87636	88458	
Squires Gate	318	32620	80016	05415	25432	12500	81615		
Ronaldsway	204	72716	82036	04913	754//	09002	81714	87656	
Mull of Galloway	131	82725	84038	03613	855//	09802	88625		
Eskdalemuir	162	52522	81256	00211	58400	08709	85818		
Prestwick	135	72726	61808	00712	784//	11619	83710	86817	
Abbotsinch	140	52615	58258	98712	58500	10612	82820	84636	
Leuchars	171	42319	80038	96113	38530	10713	81820	83640	
Dyce	091	62307	75218	93113	656//	12736	82635	86650	
Lerwick	005	80205	15584	94911	850//	11723	82700	88625	
Wick	075	81506	38616	93112	852//	12725	82703	84709	88614
Sule Skerry	010	81107	66022	93712	855//	12724	88625		
Cape Wrath	049	81404	66618	92812	874//	12723	88715		
Stornoway	026	81807	58036	91812	853//	12715	83708	88618	
Benbecula	022	82627	62216	94012	853//	12311	82706	86711	88620
Tiree	100	22624	70256	98012	22400	11111	82816		
Aldergrove	917	72514	61808	03912	784//	10806	82614	84818	86645
Malin	980	62628	70018	01513	635//	11803	82920	84635	
Belmullet	976	62518	75258	06113	634//	11705	81716	82920	85638
Birr	965	82512	66608	08612	864//	11000	86713	87633	
Dublin	969	62518	82036	06213	685//	10703	82820	86640	
Shannon	962	82614	70218	09513	854//	12805	81715	83720	86630
Roches Point	952	72409	75022	11313	65431	12000	82715	85643	
Valentia	953	72612	70038	12015	784//	12801	85819	86635	

OBSERVATIONS at 06h. 24 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$'N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	72610	81026	08814	6848/	12606	83816	85628	87360
Hurn	862	72510	75015	09716	45332	14610	81709	84630	86359
Manston	797	82315	75035	07116	5547/	14718	81711	85630	88362
Gatwick	776	82413	63025	08516	5847/	14614	81712	83622	86359
Kew	775	72511	80216	07817	3542/	11514	81715	83656	85460
Heathrow	772	72514	81216	07517	5547/	12605	81712	85650	87360
Honington	586	72516	82012	05017	28432	13605	81815	87075	
Wattisham	590								
Gorleston	497	82614	64022	04717	855//	13505	88625		
Aberporth	502	72614	70032	08313	7543/	11811	81710	87635	
Filton	628	72710	75036	08415	754/2	12704	81710	87645	
Rhoose	715	72812	72016	08914	754/2	12501	82712	87630	
Hartland Point	703	73015	65022	10714	785//	13503	83820	87630	
Mount Batten	827	72811	80022	11315	35536	13608	81620	83645	85365
St. Mawgan	817	72611	65032	11315	58272	13611	81705	85623	85360
Scilly	804	72813	60606	13415	754//	14804	82715	87622	
Culdrose	809	72710	62032	12014	48431	13607	82818	83630	87072
Guernsey	894	82416	02464	12815	860//	15615	88700		
Elmdon	534	32514	80018	06414	28432	10706	81815		
Cardington	559	62813	75012	06516	15788	12502	81650	83357	85362
Wittering	462	62717	82036	05314	48431	10505	81818	83625	
Watnall	354	12314	81016	04313	18402	10708	81815		
Shawbury	414	72313	81032	05713	755/2	11809	82620	87628	
Finningley	360	72513	89038	03214	58532	09504	85825	83368	
Spurn Point	396	72315	80808	03214	785//	09000	84825	87630	
Leeming	257	62712	80036	01313	684//	09604	83816	86620	
Tynemouth	262	62518	81021	99113	4353/	09606	84925		
Carlisle	222	72716	70212	99813	784//	10609	81710	83713	87645
Valley	302	72421	60016	05914	755//	11808	85624	87632	
Ringway	334	72412	75156	04614	78442	08707	82818	85624	87640
Squires Gate	318	72625	80031	03314	753//	11708	83709	87645	
Ronaldsway	204	72518	82031	03313	784//	10605	82713	84630	87645
Mull of Galloway	131	72525	80012	01612	785//	10606	81820	87630	
Eskdalemuir	162	82312	56588	99010	873//	09606	85708	88713	
Prestwick	135	82620	62218	98912	852//	12716	81705	84708	86618
Abbotsinch	140	72613	50608	97113	753//	10607	81708	83714	85620
Leuchars	171	72415	82021	94312	35442	09705	81715	83640	86075
Dyce	091	72711	80808	91813	7563/	09802	83630	86645	
Lerwick	005	70108	40216	91210	751//	10714	85702	87630	
Wick	075	90305	03586	91211	9////	11603	89/01		
Sule Skerry	010	80908	64102	91912	864//	12502	88712		
Cape Wrath	049	91803	01655	91612	9////	11703	89///		
Stornoway	026	82721	50516	90812	852//	12504	83704	86708	88616
Benbecula	022	32720	75021	94413	28402	11501	81710		
Tiree	100	82620	65258	96812	7847/	12605	81817	86627	88458
Aldergrove	917	72514	80028	02112	783//	10605	82709	84713	86624
Malin	980	62626	75258	00213	634//	10605	82712	84918	
Belmullet	976	72617	74258	04812	734//	10605	81717	83920	86640
Birr	965	72610	75806	07012	734//	11706	85918	85632	
Dublin	969	22518	86011	04712	22400	10804	81714		
Shannon	962	72606	75806	07313	784//	11609	85817	86638	
Roches Point	952	72410	70022	09913	7547/	11606	81715	87643	
Valentia	953	72713	70216	10014	785//	11810	83820	87640	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	93141	13	r.d.	r.
Hurn	862	91160	15	d.r.-r.d.d.	+
Manston	797	97150	15	d.	d.d.ir.-r.
Gatwick	776	97150	15	d.d.	r.
Kew	775	97161	15	+	r.
Heathrow	772	91161	15	r.	d.r.-r.r.
Honington	586	97160	16	r.	+
Wattisham	590				
Gorleston	497				
Aberporth	502	97131	12	+	r.
Filton	628	01141	13	d.r.d.-r.	r.rr.r
Rhoose	715	01131	13	d.-d.r.	r.rr.r.rr.
Hartland Point	703	01141	13		
Mount Batten	827	91141	13	d.d	ddr
St. Mawgan	817	01141	12	id.	r
Scilly	804	92141	12	ir.	ir.
Culdrose	809	97131	12	id	id.
Guernsey	894	93151	14	d.r.ff	ffFFid.
Elmdon	534	97140	12	r.pr.	+
Cardington	559	97150	14	ir.	r.
Wittering	462	97140	12	r.	r.
Watnall	354	01120	09	r.rir.	+
Shawbury	414	95131	09	r.	pr.
Finningley	360	92130	09	pr.	jp
Spurn Point	396			+	pr.
Leeming	257	97130	11	r.	+
Tynemouth	262	97120	10	pr.	pr.
Carlisle	222	92121	11	+	d.r.drr.pr.
Valley	302	97131	11	+	ir.
Ringway	334	02131	12	r.rR	pr.
Squires Gate	318	97141	12	r.	+
Ronaldsway	204	91121	10	+	pr.
Mull of Galloway	131	97111			
Eskdalemuir	162	04101	08	pr.d.r.	d.r.r.r
Prestwick	135	01111	11	pr.	ir.r.d.r.pr.
Abbotsinch	140	94111	10	id.pro	ir.pr.
Leuchars	171	00110	10	+	+
Dyce	091	01121	11	ir.pr.	pr.r.r
Lerwick	005	97101	09	1fid.r.iF	iFir.
Wick	075	07112	11	rrr.r.	r.r.d.r.ff
Sule Skerry	010	00101	11		
Cape Wrath	049	01101	11	FFr.r.	d.d.F
Stornoway	026	03111	11	ir.rd.r.	d.d.
Benbecula	022	03121	10	Rr.d.r.	pr.
Tiree	100	01111	10	pr.	pr.
Aldergrove	917	01111	11	pr.rr.	pr.
Malin	980	0112	11		
Belmullet	976	0212	10		
Birr	965	0212	10		
Dublin	969	1212	10		
Shannon	962	0113	11		
Roches Point	952	0012	11		
Valentia	953	9413	12		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	24001	90504	91455	17811	9////	00227	89/02	/////	05311	11252	3//01	///05
L	99568	70202	24004	82635	98152	99611	894//	61204	81910	84815	0//09	11319	30808	23710
M	99650	10019	24004	80721	97212	99911	6542/	00822	83710	86620	0//09	11191	30403	23805
R	99465	70157	24004	03012	97014	21117	00900	00801	/////	/////	0//16	11752	30401	28906

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	24061	81904	97284	19812	863//	00211	88707	/////	00011	11211	3//01	///05
L	99568	70199	24064	72733	98012	01611	784//	61311	83817	86623	0//09	11307	31012	24908
M	99649	10016	24064	80521	97216	96709	853//	00712	84707	88613	0//07	11156	30504	06904
R	99464	70157	24064	72916	97031	20317	785//	00606	82820	86630	0//15	11753	30401	28805

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press. Met.O. 6

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42249

Date of Issue MONDAY 25 JULY 1977

OBSERVATIONS at 12h. — 24 JULY 1977

Code FM 11.V

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72713	82216	07916	4843/	12707	84816	86359	
Hurn	862	72614	80216	09217	6843/	12801	83815	84656	86360
Manston	797	82708	65616	07215	4847/	12003	82815	83635	88359
Gatwick	776	72608	68616	08215	5547/	13000	81712	83622	87462
Kew	775	72609	75216	07416	11571	11705	81820	85358	
Heathrow	772	62408	80216	07116	11532	13606	81820	85360	
Honington	586	62518	84212	04619	58631	07602	85832		
Wattisham	590								
Gorleston	497	52618	66022	04217	22571	08702	82825	84360	
Aberporth	502	42616	80016	07316	38530	11705	81820	83645	
Filton	628	52715	86256	07317	48501	12706	83823	83642	
Rhoose	715	62619	72016	07617	62432	12803	86814		
Hartland Point	703	72819	70028	09315	38541	13705	83820	83635	
Mount Batten	827	72613	68016	10516	5537/	13705	82708	85625	87460
St. Mawgan	817	72715	70016	11015	4837/	13603	83708	83622	87460
Scilly	804	72714	66258	12516	6257/	14705	86820		
Culdrose	809	73013	70016	11315	7843/	13703	81710	83630	
Guernsey	894	72512	72216	12315	4527/	14002	81703	84645	87360
Elmdon	534	62618	80256	04717	685//	09509	84827	83645	
Cardington	559	62818	80036	05218	52679	11814	85830	83360	
Wittering	462	72717	86032	03817	785//	09807	86828	87645	
Watnall	354	72612	84251	03617	745//	09502	84825	84640	
Shawbury	414	62615	80258	04416	685//	11710	84820	85630	
Finningley	360	72715	80258	02515	785//	11400	82828	87640	
Spurn Point	396	62615	72028	01816	685//	11807	84825	86635	
Leeming	257	72520	86032	00316	724//	09504	83818	86824	
Tynemouth	262	62831	81028	97416	42632	09807	84830	86358	
Carlisle	222	62715	75258	99115	6843/	12704	81713	85820	
Valley	302	72320	82036	04816	785//	11606	82820	87645	
Ringway	334	72618	80258	03215	785//	10506	84825	86640	
Squires Gate	318	52622	82012	02416	58402	12707	84818		
Ronaldsway	204	32421	84258	01815	38401	11705	81817		
Mull of Galloway	131	72718	84158	00813	785//	09604	81825	87630	
Eskdalemuir	162	52619	70158	97914	52530	08804	85825		
Prestwick	135	72820	77258	98613	7843/	10802	81814	84818	87650
Abbotsinch	140	62615	64258	96913	694//	12703	81916	83820	85645
Leuchars	171	42623	89011	93817	32532	10503	83828		
Dyce	091	72914	82608	92315	754//	09104	81618	85635	87645
Lerwick	005	83213	82026	90611	854//	10703	81710	85618	88625
Wick	075	81005	58616	91912	870//	12208	82701	85703	88705
Sule Skerry	010	80705	66052	92812	864//	12206	88710		
Cape Wrath	049	91402	01506	92311	9////	11308	89/00		
Stornoway	026	82817	25615	92113	852//	13208	83703	86709	88618
Benbecula	022	62618	72258	94814	684//	12501	82815	86632	
Tiree	100	62722	61152	97115	634//	11400	81912	85816	
Aldergrove	917	72719	70808	01313	735/3	12605	81920	83822	86645
Malin	980	72723	80038	99815	6343/	12702	85818	81918	84640
Belmullet	976	72719	68258	04516	735//	11703	86920	84638	
Birr	965	42717	81018	05417	42500	09808	84821		
Dublin	969	42720	84018	03117	42500	08610	84822		
Shannon	962	72918	70808	07414	735//	12701	86822	81922	84640
Roches Point	952	52816	82012	08018	585/2	10707	85823		
Valentia	953	52813	80032	09816	58530	12503	81820	84640	

OBSERVATIONS at 18h. — 24 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	42613	84011	04717	38502	11717	82820		
Hurn	862	52413	80258	05717	38431	14720	81716	83635	
Manston	797	42215	82036	04017	38532	13618	82822	83645	
Gatwick	776	42315	70158	04717	39502	13717	81925		
Kew	775	62506	82012	03819	58631	09719	83830	84650	
Heathrow	772	52511	84258	03619	48602	09720	82830	84645	
Honington	586	52519	88018	01620	58600	06712	83835	83650	
Wattisham	590								
Gorleston	497	52612	66018	01519	32580	08715	83825	83358	
Aberporth	502	52518	80021	04015	48630	12718	82830	83642	
Filton	628	32616	88011	04317	38500	11616	82828		
Rhoose	715	52617	75031	04916	52441	12714	85814		
Hartland Point	703	52822	82031	06515	26431	13615	82712	85360	
Mount Batten	827	72610	86028	07216	784//	13719	81713	87630	
St. Mawgan	817	72515	82038	07715	784//	13719	82710	87620	
Scilly	804	62811	71038	09616	58570	14718	82820	85630	
Culdrose	809	72714	70256	08215	784//	15719	82710	85818	
Guernsey	894	82416	30406	09414	860//	14820	84700	87701	
Elmdon	534	62717	82011	02017	686//	07716	81830	85648	
Cardington	559	62708	75152	02619	686//	11615	83830	86645	
Wittering	462	22817	84018	01419	28631	07714	81835		
Watnall	354	62903	70168	01115	685//	11715	83825	83832	85645
Shawbury	414	62413	82808	02015	39463	11614	81918	83824	86074
Finningley	360	32913	85251	99917	18602	09613	81835		
Spurn Point	396	32723	80021	00017	32540	08709	83825		
Leeming	257	72716	70251	98915	28542	09507	82825	85070	
Tynemouth	262	52720	81021	96815	32640	09807	83830	85358	
Carlisle	222	72514	70808	97514	5943/	11612	83916	85360	
Valley	302	82414	80251	02015	885//	11714	83829	88640	
Ringway	334	72717	65801	00816	7853/	10717	84825	84650	
Squires Gate	318	72619	82018	00315	38546	11616	81825	87275	
Ronaldsway	204	72711	68808	00014	794//	09609	81714	82922	84828
Mull of Galloway	131	83315	58818	99711	885//	10616	83825	88630	
Eskdalemuir	162	72613	80258	97212	785//	09503	85824	83656	
Prestwick	135	72814	75258	97613	6843/	11606	81815	84822	86650
Abbotsinch	140	72613	70258	96114	58402	10705	81818	84824	86070
Leuchars	171	52715	89031	93617	38642	09703	81835	83650	
Dyce	091	82908	80606	92614	6557/	11303	83625	86640	88459
Lerwick	005	83512	70608	91111	6822/	11205	81705	84708	85625
Wick	075	80404	66616	92912	6547/	11307	81710	83618	85645
Sule Skerry	010	73210	66018	93713	755//	10303	87625		
Cape Wrath	049	71404	74015	94311	784//	10218	82712	83815	87620
Stornoway	026	70217	75016	94713	783//	11212	81708	83816	87628
Benbecula	022	83417	58636	95012	852//	12500	82704	85706	88612
Tiree	100	62818	70258	96513	43362	12704	81708	81915	84359
Aldergrove	917	63007	75258	99713	694//	12709	82816	84920	
Malin	980	62820	80258	99113	5343/	11505	85818	82918	84359
Belmullet	976	72716	70806	03313	734//	11708	82717	84920	86638
Birr	965	72712	82258	03614	48506	10610	82820	83636	87268
Dublin	969	72816	82258	01614	6847/	09608	81718	86640	86460
Shannon	962	72818	82258	05214	5853/	10711	83823	84640	85360
Roches Point	952	72820	82028	06315	735/2	09807	84823	81923	85642
Valentia	953	72714	80808	08013	784//	11711	84818	85640	

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	94190	050	r.r	jp
Hurn	862	92190	036	r.d.r.	pr.
Manston	797	92190	028	r.r.	+
Gatwick	776	94181	029	r.r.	pr.
Kew	775	01190	030	r.rr.r.	+
Heathrow	772	96201	018	rr.	pr.
Honington	586	97210	056	r.pr.	jp
Wattisham	590				
Gorleston	497		035		
Aberporth	502	97171	062	+	pr.
Filton	628	97191	054	rr.pr.	+
Rhoose	715	97180	090	r.	pr.
Hartland Point	703	92160	038		
Mount Batten	827	01171	014	drprpr.	pr.
St. Mawgan	817	93161	023	id.r.pr.	pr.
Scilly	804	97181	026	ir.pr.	jp
Culdrose	809	02181	019	id.drddir.	ir.pr.
Guernsey	894	01161	001	ir.d.r.r.r.	ir.jfid.
Elmdon	534	97200	073	r.pr.	jppr.
Cardington	559	01210	051	ir.	pr.pr
Wittering	462	92201	051	pr.	pr.
Watnall	354	02181	037	pr.	pr.pr
Shawbury	414	01191	052	pr.	pr.r.r.
Spurn Point	360	91190	039	pr.	pr.
Leeming	396			+	+
Tynemouth	257	97180	060	+	pr.
Carlisle	262	97180	092	pr.	+
Valley	222	08161	052	pr.prpR	pr.
Ringway	302	02181	065	+	pr.ir
Squires Gate	334	97181	048	pr.	pr.
Ronaldsway	318	97170	042	pr.	pr.
Mull of Galloway	204	01171	060	pr.	pr.pr
Eskdalemuir	131	07161			
Prestwick	162	01161	060	pr.	pr.
Abbotsinch	135	95161	036	pr.	pr.
Leuchars	140	01171	057	pr.	pr.
Dyce	171	00190	104	+	+
Lerwick	091	01171	000	r.ir.	ir.r.
Wick	005	01121	000	ir.id.r.	ir.pr.rrr.r.
Sule Skerry	075	02132	000	d.r.r.r.d.d.	d.d.d.r.ir
Cape Wrath	010	94131			
Stornoway	049	93131	002	id.FF	pr.
Benbecula	026	05131	000	d.d.r.r.	r.
Tiree	022	08151	027	pr.	rRRrr
Aldergrove	100	02161	057	pr.pr	pr.prr.r
Malin	917	06171	036	pr.pr	pr.Rpr.
Belmullet	980	0216	043		
Birr	976	9616	049		
Dublin	965	9217	049		
Shannon	969	0117	087		
Roches Point	962	9518	030		
Valentia	952	9720	071		
	953	9117	030		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

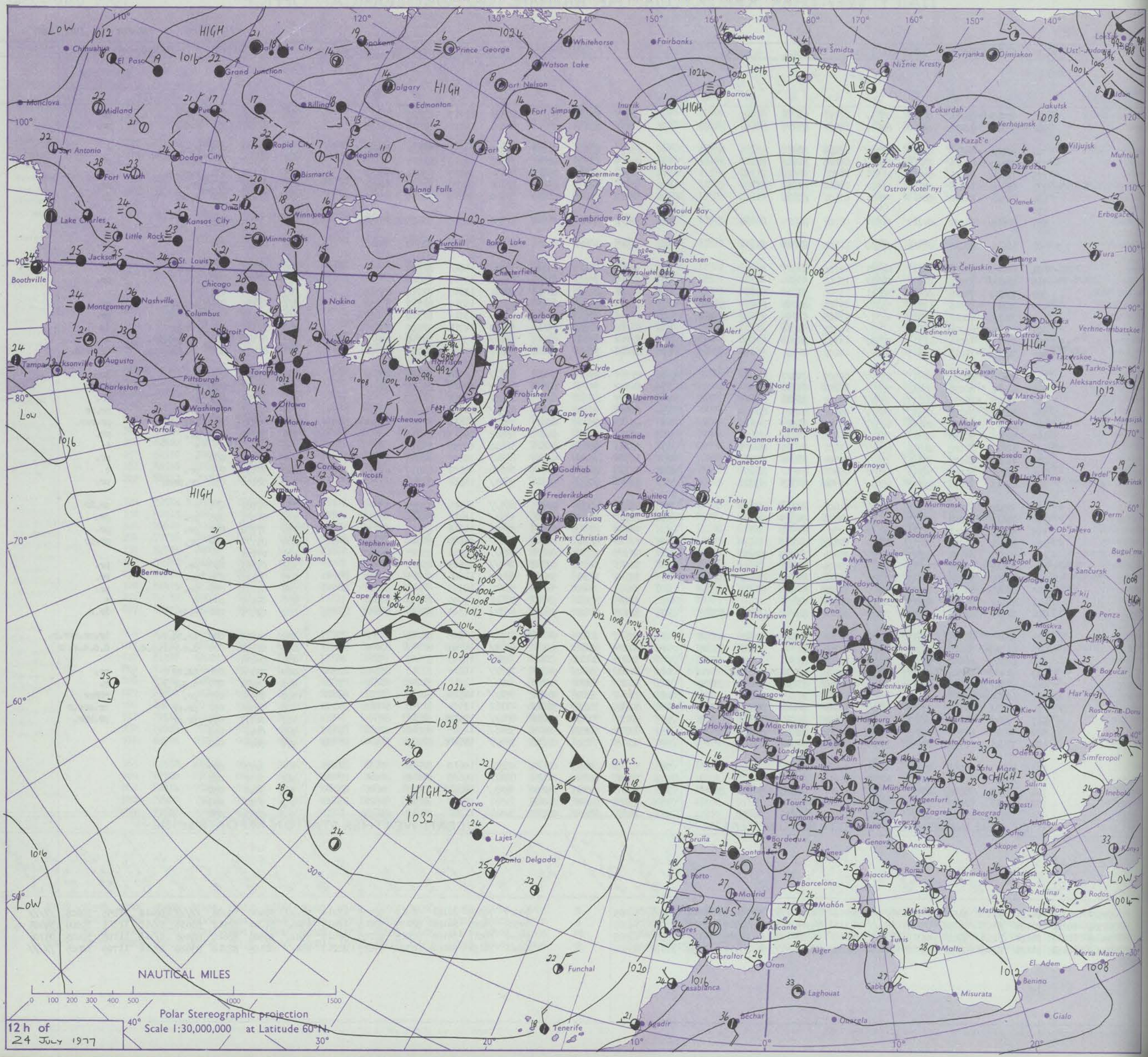
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	24121	91810	91516	17013	9////	00716	89/02	/////	00413	11144	30503	34005
L	99568	70202	24124	72827	98038	04212	784//	61116	84816	87625	0//10	11315	30908	34805
M	99649	10013	24124	80321	97025	93310	883//	00719	83808	88612	0//09	11142	30504	06805
R	99462	70153	24124	72818	98021	19717	764//	00802	87710	/////	0//17	11798	30402	28804

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	24181	91911	92455	17214	9////	00400	89/02	/////	00414	11255	30605	/////
L	99568	70203	24184	63133	98018	10413	4946/	61244	82912	83630	0//10	11311	31009	34808
M	99647	10012	24184	80418	97205	91410	6542/	00506	86610	88456	0//10	11108	30403	05706
R	99461	70151	24184	83320	97035	20217	854//	00109	82710	88620	0//16	11799	30605	/////

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE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Chihuahua
El Paso
Grand Junction
Spokane
Prince George
Whitehorse
Fairbanks
Watson Lake
Fort Nelson
Calgary
Edmonton
Billings
Midland
Rapid City
Regina
Fort Simpson
Inuvik
Barrow
Mys Šmidta
Nižnie Kresty
Zyrjanka
Ojmjakon
Ust'-Judoma
Čokurdah
Jakutsk
Verhojansk
Kazač'e
Viljujsk
Dzardzan
Olenek
Erbogačen
Ostrov Kotel'nyj
Ostrov Žohova
Monclova
San Antonio
Dodge City
Fort Worth
Bismarck
Omaha
Winnipeg
Inland Falls
Kansas City
Minneapolis
Lake Charles
Little Rock
Jackson
St. Louis
Boothville
Chicago
Nashville
Montgomery
Columbus
Detroit
Nakina
Winisk
Churchill
Baker Lake
Chesterfield
Coppermine
Sachs Harbour
Cambridge Bay
Mould Bay
Ilsachsen
Resolute
Arctic Bay
Coral Harbour
Eureka
Alert
Thule
Clyde
Nottingham Island
Frobisher
Cape Dyer
Upernavik
Nord
Mys Čeljuskin
Ostrov Uedineniya
Dikson Ostrov
Tazovskoe
Russkaja Gavan'
Mare-Sale
Tarko-Sale
Aleksandrovskoe
Malye Karmakuly
Muzi
Hanty-Mansijsk
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Toronto
Ottawa
Montreal
Washington
Norfolk
New York
Boston
Nichehaven
Danmarkshavn
Daneborg
Hopen
Bjornoya
Barentsburg
Godthab
Frederikshab
Angmagssalik
Kap Tobin
Jan Mayen
Prins Christian Sund
Reykjavik
Galtarbenda
Thorshavn
Stornoway
Lerwick
Glasgow
Belfast
Belmullet
Holyhead
Manchester
Aberporth
Valentia
Landdn
Brest
Paris
Tours
Clermont-Ferrand
Bordeaux
Corvo
Lajes
Ponta Delgada
Funchal
Tenerife
Porto
Lisboa
Madrid
Santander
La Coruña
Barcelona
Mahón
Alicante
Gibraltar
Oran
Casablanca
Agadir
Alger
Tunis
Malta
Laghouat
Bechar
Misurata
Gialo
Mersa Matruh
El Adem
Benina
Cabes
Ouargla
Bodø
Murmansk
Arhangel'sk
Sodankylä
Oulu
Reboly
Ostersund
Ona
Helsinki
Stockholm
Riga
Lenigrad
Vologda
Gor'kij
Moskva
Minsk
Smolensk
Penza
Kazan'
Bogučar
Har'kov
Rostov-na-Donu
Kiev
Odessa
Simferopol'
Sulina
Tuapse
Sevastopol
Konya
Istanbul
Sofia
Skopje
Beograd
Zagreb
Klagenfurt
München
Bern
Milano
Venezia
Genova
Ancona
Roma
Brindisi
Napoli
Messina
Catania
Athinai
Rodos
Hellinikon
Matlina
Ivdel'
Perm'
Ob'jačevo
Bugul'ma
Sančursk
Gor'kij
Penza
Kazan'
Bogučar
Har'kov
Rostov-na-Donu
Kiev
Odessa
Simferopol'

18h of
24 JULY 1977

00h of
25 JULY 1977

06h of
25 JULY 1977

Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday MONDAY 25 JULY 1977

A slow-moving depression over Scandinavia has deepened a little while a shallow low south of Iceland has filled. An anticyclone and a depression have persisted respectively near the Azores and over Spain. A deep depression has moved northwards to Cape Farewell. During the next 24 hours low pressure will persist over Scandinavia with an unstable north to northwest airstream over the British Isles. Part of the low near Cape Farewell is expected to move into the Denmark Strait with associated frontal troughs approaching Ireland. The Azores high will persist.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V — OBSERVATIONS at 00h. 25 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72508	80251	02012	785//	11719	81820	87650	
Hurn	862	42510	80011	02913	45600	12717	84633		
Manston	797	62310	80031	01413	656//	12815	86635		
Gatwick	776	12408	59101	02212	15600	12717	81640		
Kew	775								
Heathrow	772	72205	80031	01514	758//	10716	87657		
Honington	586	72211	70021	99713	1573/	10815	81650	87359	
Wattisham	590								
Gorleston	497	82408	66258	99715	895//	11714	88925		
Aberporth	502	83009	75258	02212	885//	11810	83822	88650	
Filton	628	72715	75038	01214	734//	10618	86915	83635	
Rhoose	715	72911	75258	01713	784//	11717	83816	87640	
Hartland Point	703	83212	70606	03314	856//	11814	88635		
Mount Batten	827	62715	75808	04214	684//	12719	84816	83640	
St. Mawgan	817	62817	70258	04813	684//	11717	84813	83623	
Scilly	804	32920	75216	07113	35500	12716	83625		
Culdrose	809	12813	70011	05613	15600	11717	81630		
Guernsey	894	62615	63015	05514	662//	14723	86703		
Elmdon	534	82510	68618	00213	854//	10614	81712	88647	
Cardington	559	62609	65028	00613	657//	12715	86656		
Wittering	462	72407	82258	99612	757//	10716	87650		
Watnall	354	82605	80038	99412	8097/	10713	88361		
Shawbury	414	82508	70618	00012	885//	10710	82820	88630	
Finningley	360	82607	75601	98313	8092/	10710	88460		
Spurn Point	396	32511	75031	98313	15570	11712	81625	83360	
Leeming	257	62607	86018	97712	30942	09505	83360	86075	
Tynemouth	262	42712	81021	96312	40930	10703	84359		
Carlisle	222	22707	80018	97111	28430	10804	81818		
Valley	302	82718	60618	00812	5542/	11705	82712	84636	88550
Ringway	334	82207	58628	99412	854//	12608	84712	88645	
Squires Gate	318	62915	81018	98614	684//	11609	83817	83629	
Ronaldsway	204	32814	80018	99112	38400	10604	81713	83824	
Mull of Galloway	131	63215	80018	98711	685//	09605	81820	85630	
Eskdalemuir	162	72705	72218	96811	724//	09602	82712	86817	
Prestwick	135	82914	62502	96712	853//	11605	81706	83715	85618
Abbotsinch	140	72506	80038	95812	754//	10603	81618	85622	87645
Leuchars	171	72507	84031	94612	45602	09306	84645	86075	
Dyce	091	83304	65616	94811	7522/	10315	81704	83707	85615
Lerwick	005	73314	65256	93110	783//	09307	81706	83816	87626
Wick	075	73309	75026	95211	754//	10210	85712	87620	
Sule Skerry	010	83424	66258	97011	885//	09217	85820	88625	
Cape Wrath	049	83614	75028	97311	853//	09219	83709	88620	
Stornoway	026	70115	75258	98812	784//	11326	84818	87630	
Benbecula	022	53419	80256	99412	38402	10219	82816	83075	
Tiree	100	83419	66018	98912	3542/	10223	83618	88556	
Aldergrove	917	73010	75028	99812	734//	10301	82710	83916	86626
Malin	980	73124	70808	00013	734//	11311	83711	86917	
Belmullet	976	33013	74258	04212	33500	11309	82920		
Birr	965	82809	75038	03712	856//	10303	88636		
Dublin	969	72612	70618	01611	764//	10801	82710	84714	87640
Shannon	962	53215	80258	04913	53500	11305	82925	83640	85650
Roches Point	952	82811	60808	05912	874//	11501	88711		
Valentia	953	83213	60808	08013	835//	10305	88920		

OBSERVATIONS at 06h. 25 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72906	80028	00411	58432	11301	81815	85650	
Hurn	862	72707	75258	00812	58431	12503	81710	84635	
Manston	797	72607	62801	98213	48432	12611	83815	83360	86072
Gatwick	776	72907	68608	99312	754//	11507	81710	87615	
Kew	775	73005	75606	99412	18471	11607	81715	83360	85075
Heathrow	772	72807	80606	99312	28473	11505	81818	85075	
Honington	586	72712	65216	97812	762/2	10604	87705		
Wattisham	590								
Gorleston	497	72506	66022	97513	755//	11705	87625		
Aberporth	502	73117	75038	02312	784//	11307	82710	83818	87645
Filton	628	72807	75036	00812	784/1	09304	81818	83640	86650
Rhoose	715	23010	78018	01411	18442	09305	81814		
Hartland Point	703	63221	82038	03013	62531	10307	86825		
Mount Batten	827	73106	40808	03412	794//	11305	81712	84918	
St. Mawgan	817	73217	70258	04513	784//	10309	84812	85630	
Scilly	804	53320	80028	06914	52560	11211	85820		
Culdrose	809	53218	60158	04912	53400	11310	81710	81915	
Guernsey	894	73014	68808	03111	69333	10509	82706	84815	82917
Elmdon	534	32908	75016	99311	28531	09601	81820		
Cardington	559	72807	65216	98911	752//	11602	83705	84640	87656
Wittering	462	72911	78216	98211	653/2	10504	83708	86650	
Watnall	354	72506	58216	98411	754/1	11603	81616	87650	
Shawbury	414	62706	80256	99211	684//	10601	83818	85630	
Finningley	360	72707	80606	97212	785//	10701	81820	87650	
Spurn Point	396	42715	64018	97213	25670	10501	82635	84360	
Leeming	257	62602	86031	97011	65641	09101	86640		
Tynemouth	262	72708	80021	96912	756//	10308	87635		
Carlisle	222	83402	64621	97411	854//	11307	81715	88640	
Valley	302	82918	70218	00512	883//	11306	81707	84810	88640
Ringway	334	62505	62028	98512	68401	11500	81712	84818	85075
Squires Gate	318	82710	50818	97712	834//	11704	82710	84915	88645
Ronaldsway	204	73225	66251	98612	784//	10303	82712	86815	87625
Mull of Galloway	131	83525	65028	99012	874//	11214	88710		
Eskdalemuir	162	83605	63618	97810	853//	09315	81708	84714	88630
Prestwick	135	73405	73215	98712	7843/	10219	81815	83625	85635
Abbotsinch	140	72503	86026	98311	48472	10218	82818	83635	86070
Leuchars	171	72905	86026	97511	753//	11315	81708	85620	87645
Dyce	091	73113	80018	96911	38338	09215	81706	83625	86362
Lerwick	005	73313	75808	93311	782//	09302	83703	83815	87625
Wick	075	73515	80252	96810	784//	09206	82814	85632	87645
Sule Skerry	010	83422	66258	98410	885//	10209	85820	88625	
Cape Wrath	049	83610	75808	99510	883//	09209	85809	88620	
Stornoway	026	73412	81258	01511	784//	09207	82816	87630	
Benbecula	022	73317	80258	02912	784//	08215	82815	87630	
Tiree	100	63620	80018	02412	4837/	10221	81708	83817	
Aldergrove	917	73316	70808	01412	783//	10316	83709	85814	87626
Malin	980	63324	81158	03313	634//	10218	83917	83645	
Belmullet	976	73214	69258	07713	734//	11221	81718	84820	81920
Birr	965	53010	81038	05711	48502	09216	82820	83633	
Dublin	969	72915	80016	02312	7533/	10211	81707	83620	86635
Shannon	962	53114	80038	07113	58500	11319	81822	84640	
Roches Point	952	23019	75038	06613	28400	11208	82816		
Valentia	953	53416	70258	09413	53500	11314	85920		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.—03h.	WEATHER 03h.—09h.
Boscombe Down	746	04101	08	prpr.	pr.
Hurn	862	01120	11	pr.	pr.pRpr.
Manston	797	97110	09	+	pr.
Gatwick	776	97110	08	r.	pr.r.
Kew	775	96120	09	ir.	r.rir.
Heathrow	772	01120	10	r.	r.rR
Honington	586	97110	10	r.	r.r.-r.ir.
Wattisham	590				
Gorleston	497				
Aberporth	502	01101	10	prpr.	pr.
Filton	628	92111	09	pr.r.	r.
Rhoose	715	96091	07	pr.	+
Hartland Point	703	00120	10		
Mount Batten	827	04111	09	pr.prpr.	pr.prpRpr.
St. Mawgan	817	03121	11	pr.pr	pr.
Scilly	804	01121	10	ir	pr
Culdrose	809	03111	10	+	prpr.
Guernsey	894	05111	10	+	pr
Elmdon	534	01111	09	pr.r.r.	r.pr.
Cardington	559	95110	10	pr.r.r.	r.r.ir.
Wittering	462	02111	10	pr.r.r	r.r.
Watnall	354	02111	10	r.r	r.rR
Shawbury	414	02091	08	rr.r.	r.pr.r
Finningley	360	96101	07	r.r.rR	r.rR
Spurn Point	396			pr.	+
Leeming	257	97090	06	+	r.
Tynemouth	262	01112	09	+	r.r.
Carlisle	222	01101	07	+	rr.
Valley	302	03121	11	rrr.r.pr.	irpr.
Ringway	334	16112	09	prr.Rpr.	pr.prrr.
Squires Gate	318	02111	11	pr.	pr.pr
Ronaldsway	204	03111	10	pr.	pR-r.
Mull of Galloway	131	01101			
Eskdalemuir	162	01091	09	d.r.pr.	pr.r.
Prestwick	135	92111	10	d.d.	d.r.
Abbotsinch	140	91111	09	pr.id.r.	d.r.pr.
Leuchars	171	03111	10	r.r	r.r
Dyce	091	05091	09	rrr.r.	pr.phrpr.
Lerwick	005	96092	09	pr.	pr.ir.
Wick	075	01091	07	+	pr.ir.
Sule Skerry	010	02082	08		
Cape Wrath	049	01092	09	pr.	pr.
Stornoway	026	01101	09	pr.	pr.
Benbecula	022	01101	09	pr.	pr.
Tiree	100	02111	11	rr	pr.
Aldergrove	917	95111	10	pr.r.d.	pr.
Malin	980	0212	10		
Belmullet	976	9512	10		
Birr	965	9410	09		
Dublin	969	9311	09		
Shannon	962	0612	10		
Roches Point	952	0311	10		
Valentia	953	0411	10		

Code FM 21.V — OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	25001	91912	91454	16014	9////	00710	89/01	/////	00514	11215	3//05	/////
L	99570	70202	25004	83420	98032	15812	854//	00225	83710	88630	0//11	11299	30705	25708
M	99647	10010	25004	40224	97016	92610	38471	00201	82816	83620	0//10	11104	30504	04808
R	99460	70147	25004	43323	98031	22417	45600	00211	84630	/////	0//14	11750	30807	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	25061	82907	97286	18011	863//	00209	88708	/////	00010	11167	3//02	///05
L	99569	70201	25064	73311	98022	19012	28431	00213	81818	85363	0//11	11284	30503	27905
M	99646	10010	25064	80225	97032	95310	7547/	00314	87617	88457	0//10	11174	30604	04808
R	99460	70145	25064	23526	98010	21416	25600	22707	82630	/////	0//12	11736	30807	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42250

Date of Issue TUESDAY 26 JULY 1977

Code FM 11.V **OBSERVATIONS at 12h.** 25 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72816	86808	01315	53402	10303	82916	84650	85072
Hurn	862	72916	81038	02317	785//	11207	84825	87645	
Manston	797	73010	81038	99215	784//	09309	81818	87645	
Gatwick	776	52909	83016	00019	58601	09103	83830	83650	
Kew	775	72906	82036	99917	786//	08102	83830	84650	
Heathrow	772	52911	84028	00018	58600	09302	82832	85645	
Honington	586	73410	57806	98415	784//	10306	81815	85824	86650
Wattisham	590								
Gorleston	497	50315	66012	98015	55500	11206	85625		
Aberporth	502	73322	70028	04714	784//	10318	83818	87640	
Filton	628	73212	80808	02015	784//	11108	81817	84820	87650
Rhoose	715	73114	81021	02815	68432	09109	83818	84630	
Hartland Point	703	63512	82032	05914	42531	11114	84825	84360	
Mount Batten	827	73418	80258	06016	784//	11315	85818	87635	
St. Mawgan	817	73218	75258	07314	784//	11220	86812		
Scilly	804	23318	80011	10017	22500	13215	82820		
Culdrose	809	63223	70038	07915	63400	11212	81915	86820	
Guernsey	894	62819	82038	06115	28432	12220	81813	84359	
Elmdon	534	82913	60808	99913	884//	11105	81710	86812	88638
Cardington	559	73111	75252	99615	725//	12302	83825	87830	
Wittering	462	72914	81256	98815	785//	11203	83825	87650	
Watnall	354	83005	64808	99114	7837/	11308	83708	84815	88360
Shawbury	414	73315	62606	00613	784//	12313	81712	83822	87635
Finningley	360	70112	68808	99114	784//	12316	83810	83640	87656
Spurn Point	396	73519	75258	98513	5357/	11212	82920	85825	87360
Leeming	257	70107	65808	00113	784//	11217	81811	85817	87645
Tynemouth	262	53615	81028	99914	33544	08215	83925	84075	
Carlisle	222	73108	82018	00216	48532	09109	83825	85072	
Valley	302	73327	75028	03416	784//	07215	82815	86635	
Ringway	334	73311	80218	00116	62532	10319	86820		
Squires Gate	318	73314	86018	01116	784//	11224	81715	86640	
Ronaldsway	204	33319	82028	03014	18542	08323	81820		
Mull of Galloway	131	63425	81012	02414	5844/	09211	82815	84620	
Eskdalemuir	162	73408	82028	00016	785//	09208	85824	86650	
Prestwick	135	13222	86011	01316	18541	08210	81828		
Abbotsinch	140	43214	86018	00617	48500	09206	82825	83645	
Leuchars	171	73010	84802	99514	785//	08210	83820	83630	87650
Dyce	091	73116	80808	98213	6243/	09208	81710	86812	
Lerwick	005	70118	56018	94813	7833/	12307	81707	87617	
Wick	075	73519	70258	98213	7843/	11207	81712	85815	86640
Sule Skerry	010	83420	58206	00012	864//	11214	88715		
Cape Wrath	049	83612	70808	01210	883//	09208	84809	88615	
Stornoway	026	83513	56258	02910	6832/	10309	82707	84814	88459
Benbecula	022	73320	75258	04711	782//	10309	81705	84811	87630
Tiree	100	73323	75258	04513	5847/	11210	81710	83817	86359
Aldergrove	917	73316	82258	04614	784//	09216	83818	86626	
Malin	980	73326	82028	06013	7843/	11309	87818		
Belmullet	976	73216	75038	10615	6343/	12210	83819	81919	84640
Birr	965	73211	70258	08013	735//	11309	87820	82920	
Dublin	969	73114	86258	05114	7847/	11212	81714	84822	86630
Shannon	962	63217	84021	09717	685//	11209	81820	86827	
Roches Point	952	63120	80038	09016	6843/	10206	85818	83640	
Valentia	953	63315	80028	12516	68502	12212	83820	85635	

OBSERVATIONS at 18h. 25 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	53017	84258	03615	38542	10212	82820		
862	33020	80018	04517	11630	09208	81830	83362	
797	72809	75252	01215	4347/	11315	81710	81918	83650
776	53408	70258	02716	32483	12314	83818		
775	73405	81028	03015	58432	11220	84818	85075	
772	63109	75028	02616	53582	11217	82920	83360	
586	73207	82218	01714	48433	12225	83810	84360	86070
590								
497	73511	66156	01314	735//	10220	87925		
502	73010	75028	07413	78432	12212	81714	87640	
628	43015	86018	04817	38572	08214	82824		
715	43113	80018	05917	38531	08314	81825	83364	
703	63513	82022	08315	4853/	12105	82820	84635	86360
827	73216	82258	08417	785//	11112	84822	87642	
817	43018	80031	09315	28430	13307	82815	83359	
804	63218	78021	11916	35570	13104	83625	84360	
809	53120	70028	09816	38430	12207	83818	83360	
894	72917	80021	08115	65632	12108	86645		
534	53120	65158	03617	38530	08322	83824		
559	70204	66028	02614	785//	12218	82820	87645	
462	73306	75018	02315	22432	12214	82817	83359	86075
354	82903	65258	02912	6847/	11214	85818	84645	
414	63017	82036	04614	68531	09217	83822	85640	
360	73507	62808	02013	794//	11312	81915	83820	87650
396	63515	80018	01715	12545	09215	81820	84360	86275
257	72402	80028	01814	785//	10213	83827	87650	
262	73614	81808	01514	4357/	09209	84925	87358	
222	73209	82018	01715	48671	10209	81830	84650	85359
302	73018	62151	06714	783//	09214	83709	85816	87628
334	72912	72158	03215	6854/	09314	84822	83650	
318	63120	80031	03415	48531	11211	83820	83635	
204	73216	64801	05112	794//	09117	82814	82930	86650
131	83530	75211	04411	6542/	09212	86615	88460	
162	83210	83022	02412	886//	07314	86830	88645	
135	73118	80211	03513	6847/	09212	81818	83625	85650
140	73113	86801	02814	785//	09216	82820	87642	
171	73111	86028	01115	7854/	10309	83828	87645	
091	83117	70808	00312	883//	10213	81708	85710	85820
005	73621	70021	98512	763/1	10219	87709		
075	73518	70088	01412	784//	10219	83710	86814	87635
010	83428	60026	03012	855//	10219	88625		
049	83610	70608	04511	873//	10222	88706		
026	83616	65258	06012	883//	10218	82706	86815	88625
022	73519	75158	07013	784//	10213	83817	87632	
100	73520	80018	06213	784//	10310	81712	86625	
917	73215	65808	06612	783//	10308	81708	84815	87628
980	73223	70158	07512	5347/	10208	82714	84818	81918
976	73319	78258	12514	734//	09206	84819	82919	85640
965	73213	85018	10415	785//	09311	85820	85636	
969	73014	83158	07514	785//	09311	83823	87645	
962	63220	82038	12116	684/2	10310	81717	84822	
952	63026	82018	10916	58531	10210	82821	84638	
953	73417	65808	14614	725//	12309	87820		

OBSERVATIONS during DAY

iii	RRTxTE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	05171	042	pr.	pr.pRf
862	97180	068	pr.pr.	+
797	96191	027	jp	pr.r.rr.
776	05191	038	pr.	pr.pr
775	02191	033	pr.pRpr	pr.pRpr
772	01191	037	pr.	pr.
586	05191	019	pr.pr	pr.prr.r.
590				
497		021		
502	97151	012	pr.	pr.
628	97170	019	pr.	[redacted] +
715	97180	040	pr.	+
703	00150	072		
827	97181	068	pr.	pr.
817	97171	088	pr.	+
804	00170	100	+	+
809	91171	095	pr.	+
894	00171	080	+	+
534	91181	057	pr.r.	pr.
559	01180	018	pr.	pr.
462	02171	026	pr.rr.	r.prpr.
354	08161	026	pr.pr	pr.pr
414	01171	046	r.r.r	+
360	07171	022	pr.	pr.prpRr.
396			pr.	+
257	01160	011	r.pr.pr	pr.
262	01141	029	pR	pr.
222	97171	016	pr.	pr.ir.
302	94161	039	pr.	pr.
334	01161	033	r.rr.r.	pr.
318	97181	059	pr.	+
204	93161	062	+	pr.
131	94151			
162	00161	025	+	+
135	97171	056	+	ir.pr.
140	97180	053	pr.	pr.
171	97171	024	pr.	pr.
091	91151	031	pr.	pr.d.
005	91151	048	ir.id.	+
075	91141	000	ir.pr.	pr.id.
010	93131			
049	97111		pro	proir.
026	01131	003	pr.	pr.
022	01131	005	pr.pr	pr.
100	93141	022	pr.prpR	pr.
917	91161	028	pr.	pr.
980	9314	017		
976	9216	053		
965	0217	057		
969	0117	033		
962	9718	063		
952	9718	056		
953	9117	060		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 12h.**

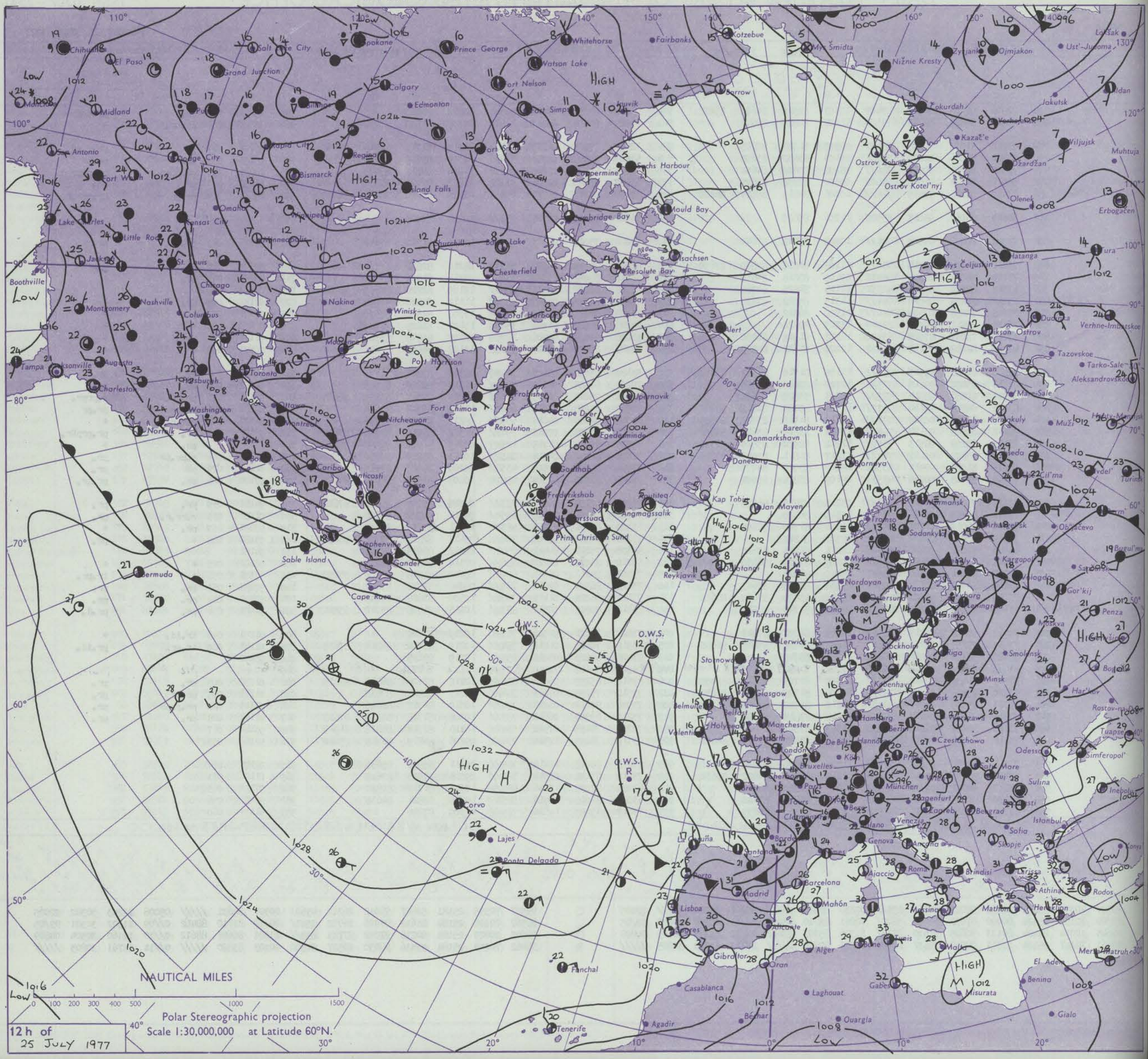
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wt_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	25121	82808	98022	24011	855//	00230	88626	/////	05207	11224	3////	22005
L	99569	70199	25124	80000	97032	19212	3647/	00801	83710	85462	0//11	11298	30000	99/05
M	99645	10014	25124	80123	96025	97610	853//	21306	85707	88612	0//10	11174	30605	04809
R	99461	70147	25124	23319	98010	25617	22500	00207	82820	/////	0//13	11750	30805	/////

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wt_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	25181	52607	98012	26212	45601	00307	84631	/////	05008	11243	30302	22005
L	99569	70198	25184	81613	97026	16912	3547/	00719	81710	88462	0//09	11302	30301	99/05
M	99645	10025	25184	80218	97022	97711	853//	21301	86607	88612	0//10	11160	30504	04809
R	99462	70149	25184	33416	98030	26517	32500	00103	83820	/////	0//14	11761	30805	/////

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Low
1012
Chihuahua
El Paso
Midland
Grand Junction
Salt Lake City
Spokane
Prince George
Whitehorse
Fairbanks
Kotzebue
Mys Šmidta
Nižnie Kresty
Zyrjanka
Ojmjakon
Ust'-Judoma
Lensk
Aldan
Jakutsk
Yakurdah
Ostrov Zelony
Kazač'e
Viljujsk
Džardžan
Muhtuja
Olenek
Erbogačen
Tura
Hatanga
Mys Čeljuskin
Ostrov Uedineniya
Dudinka
Dikson Ostrov
Verhne-Imbatskoe
Tazovskoe
Tarko-Sale
Aleksandrovskoe
Kuskaja Gavan'
Mare-Sale
Malye Karmakuly
Muži
Hanty-Mansijsk
Ostrov Kotel'nyj
Olenek
Barrow
Watson Lake
Fort Nelson
Fort Simpson
Fort Smith
Calgary
Edmonton
Regina
Bismarck
Winnipeg
Omaha
Kansas City
Minneapolis
Duluth
Chicago
Columbus
Toronto
Ottawa
Montreal
Pittsburgh
Washington
Norfolk
Charleston
Augusta
Jacksonville
Tampa
Nashville
Montgomery
Little Rock
St. Louis
Dodge City
Fort Worth
Lake Charles
Jackson
Boothville
Sachs Harbour
Coppermine
Mould Bay
Cambridge Bay
Resolute Bay
Isachsen
Eureka
Alert
Arctic Bay
Thule
Nord
Churchill
Baker Lake
Chesterfield
Nakina
Winisk
Moosonee
Nottingham Island
Port Harrison
Clyde
Frobisher
Fort Chimo
Cape Dyer
Resolution
Nitchequon
Caribou
Anticosti
Gaspe
Sable Island
Stephenville
Gander
Cape Race
Bermuda
Upernavik
Egedesminde
Godthab
Frederikshab
Julianehab
Angmagssalik
Prins Christian Sund
Kap Tobin
Jan Mayen
Reykjavik
Stornoway
Thorshavn
Lerwick
Barencburg
Danmarkshavn
Daneborg
Hopen
Bjornoya
Nordoyan
Ona
Oslo
Stockholm
Riga
Kobenhavn
Glasgow
Belfast
Manchester
Holyhead
Valentia
Belmullet
London
Bruxelles
Paris
Brest
Hamburg
Berlin
Hannover
De Bilt
Czestochowa
München
Wien
Zagreb
Beograd
Venezia
Genova
Ancona
Roma
Brindisi
Ajaccio
Barcelona
Mahón
Madrid
Lisboa
Porto
Santander
La Coruña
Bordeaux
Gibraltar
Alger
Oran
Tunis
Malta
Casablanca
Laghouat
Agadir
Béchar
Ouargla
Gabes
Misurata
Benina
El Adem
Gialo
Tripoli
Athina
Rodos
Heraklion
Matlion
Messina
Sofia
Istanbul
Skopje
Odessa
Simferopol'
Sulina
Rostov-na-Donu
Tuapse
Inebolu
Kiev
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Smolensk
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Czestochowa
München
Wien
Zagreb
Beograd
Venezia
Genova
Ancona
Roma
Brindisi
Ajaccio
Barcelona
Mahón
Madrid
Lisboa
Porto
Santander
La Coruña
Bordeaux
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Ouargla
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Misurata
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Gor'kij
Vologda
Kargopol'
Arhangel'sk
Murmansk
Tromsø
Sodankylä
Vaasa
Oulu
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HIGH
1032
HIGH
1012
HIGH
1024
HIGH
1012
TROUGH
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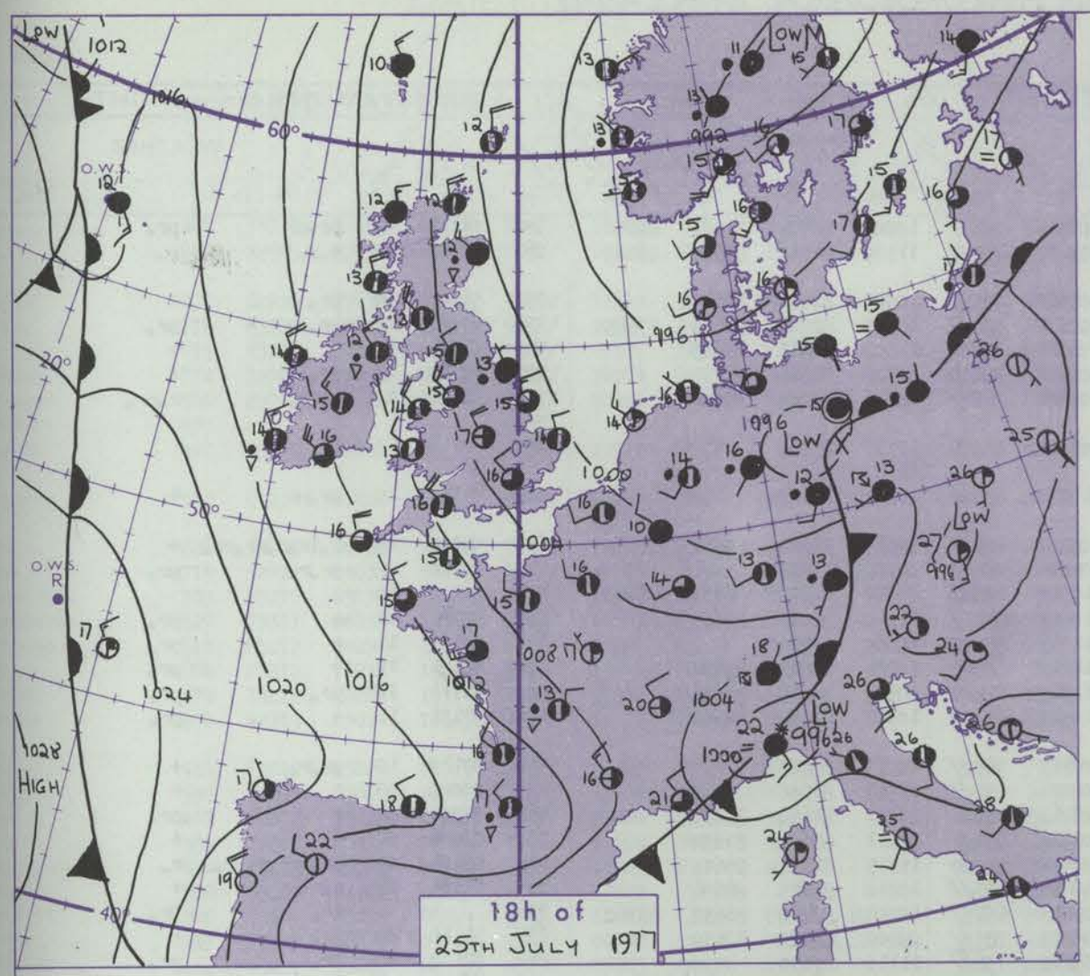
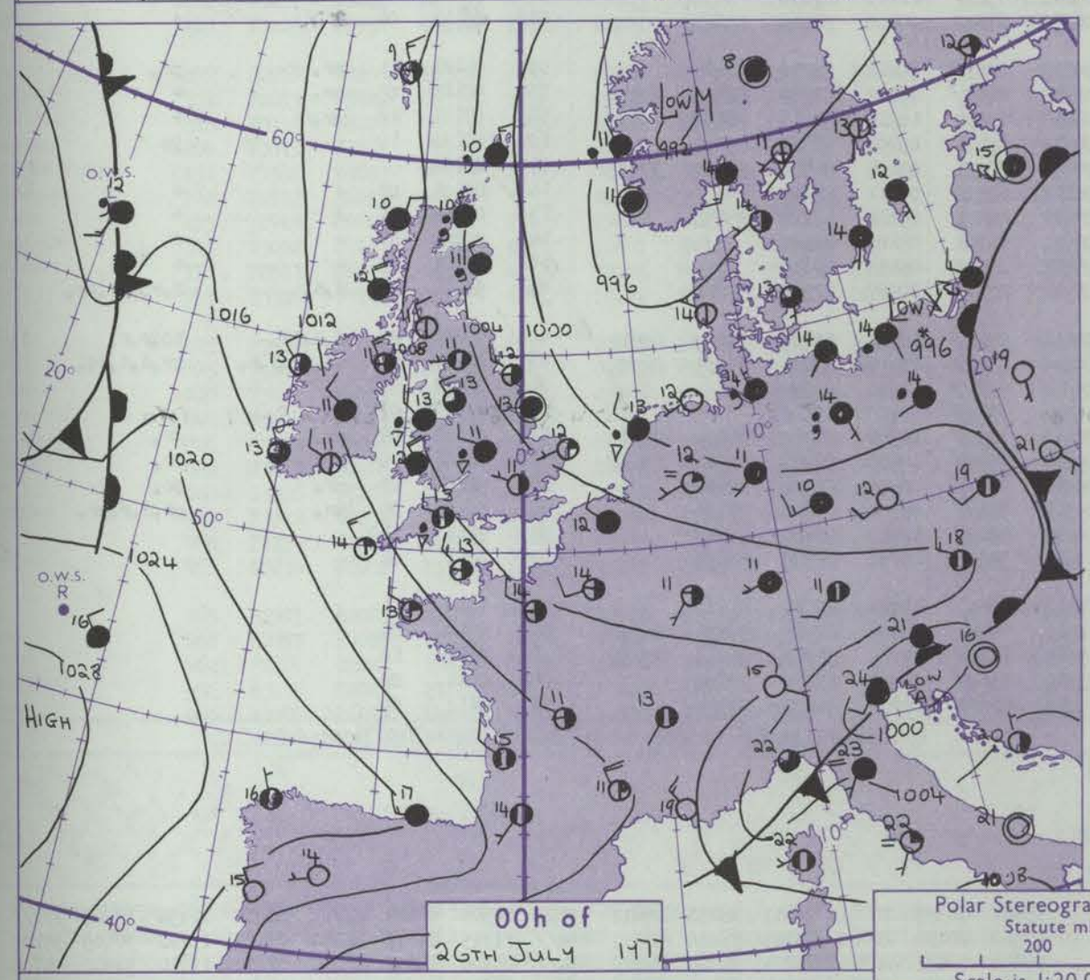
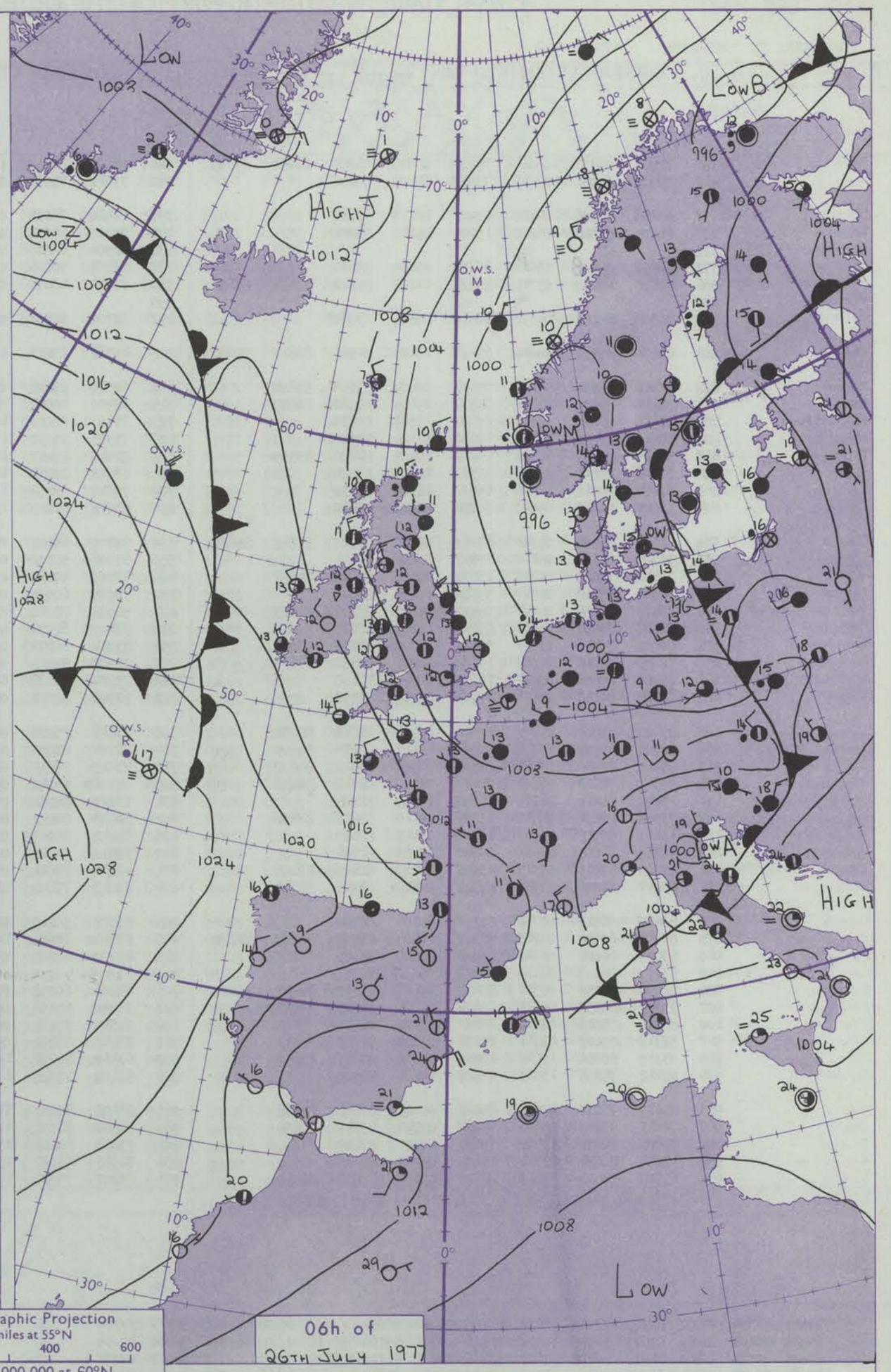






Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday TUESDAY 26 JULY 1977

During the past 24 hours a depression has remained slow-moving over southern Scandinavia while filling steadily. An anticyclone has persisted to the northwest of the Azores but the ridge of high pressure which extended north towards Iceland has moved slowly east and weakened, and the strong northwesterly airstream over the British Isles has also weakened a little. During the next 24 hours the northwesterly flow over the British Isles is expected to persist. The low over southern Norway will move slowly south into the eastern North Sea while the Azores anticyclone remains slow-moving. A frontal trough to the south of Iceland is expected to move southeast into Biscay with a renewal of the northwesterly flow behind the trough.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V

OBSERVATIONS at 00h. 26 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$8N_sC_hh_s$
Boscombe Down	746	72808	82251	06811	3867/	08008	81830	83650	87359
Hurn	862	72909	80031	07513	756//	09109	87636		
Manston	797	63005	65256	04412	624//	10110	86810		
Gatwick	776	12404	65028	06208	15700	08110	81656		
Kew	775								
Heathrow	772	42805	65038	05911	45700	09209	84656		
Honington	586	82407	65218	03711	884//	11105	82812	83634	88656
Wattisham	590								
Gorleston	497	32507	64026	03312	30970	10806	83360		
Aberporth	502	83221	65252	09012	834//	10106	81912	86817	88656
Filton	628	73012	65606	07113	754//	09104	83615	87640	
Rhoose	715	73111	80808	07812	785//	09104	83820	86640	
Hartland Point	703	33510	82021	10314	25630	10309	82635		
Mount Batten	827	12910	82018	10014	15630	12104	81640		
St. Mawgan	817	53118	80031	10914	1573/	10308	81650	85359	
Scilly	804	33316	80011	13814	32530	11208	83820		
Culdrose	809	63114	70012	11614	656//	12005	86630		
Guernsey	894	53014	80012	09913	55732	12103	85650		
Elmdon	534	82911	70801	05711	6847/	09107	81710	83818	85630
Cardington	559	72709	60108	05110	756//	09106	87641		
Wittering	462	72810	70038	04210	2567/	09302	82645	86357	
Watnall	354	52903	65018	04511	55630	09208	85640		
Shawbury	414	72808	78258	06211	784//	09105	83816	87625	
Finningley	360	82907	63608	03812	856//	11210	88645		
Spurn Point	396	80000	70216	03513	5567/	10205	85635	88360	
Leeming	257	32706	88018	04012	35700	10307	83650		
Tynemouth	262	83209	69608	03812	7567/	10210	87630		
Carlisle	222	72604	80036	04611	757//	09114	87650		
Valley	302	83120	65808	07713	884//	10104	85812	88630	
Ringway	334	72708	65028	05212	784//	10107	85814	86645	
Squires Gate	318	63412	75018	05213	684//	10308	83818	84650	
Ronaldsway	204	73311	75028	06812	784//	09110	82712	86816	
Mull of Galloway	131	13628	80011	06711	16300	10209	81708		
Eskdalemuir	162	73006	80031	04811	755//	08110	83625	87650	
Prestwick	135	13412	80018	06011	15740	08113	81650		
Abbotsinch	140	12809	82018	05411	15700	08112	81656		
Leuchars	171	42805	87011	03713	45502	09209	82625	83645	
Dyce	091	83217	62508	02711	873//	09210	82708	88712	
Lerwick	005	83617	50512	00710	872//	10206	88704		
Wick	075	83515	60586	03810	873//	10108	83707	86709	88713
Sule Skerry	010	83424	66022	05511	855//	10210	88625		
Cape Wrath	049	83610	70022	07110	873//	09207	88706		
Stornoway	026	80109	66258	08510	884//	09109	81710	85815	88630
Benbecula	022	73313	80038	09211	784//	09005	81815	87623	
Tiree	100	83419	75018	08812	884//	09109	81817	88623	
Aldergrove	917	53313	80018	08711	37332	09109	81708	83710	
Malin	980	73318	80038	10012	6843/	10111	84817	83640	
Belmullet	976	43212	78258	13613	43500	10101	83920		
Birr	965	83110	75032	12411	854//	09109	83716	88632	
Dublin	969	72913	80018	09811	754//	08211	83717	86650	
Shannon	962	73008	80031	13713	756//	10107	87640		
Roches Point	952	12911	80021	13711	15601	08109	81640		
Valentia	953	63508	75038	15613	22510	09000	82822	86460	

OBSERVATIONS at 06h. 26 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$8N_sC_hh_s$
Boscombe Down	746	72906	83038	07511	783//	10308	81708	83625	86650
Hurn	862	73010	75036	08112	754//	11309	81710	83625	86645
Manston	797	72910	75021	05412	753//	10309	82709	87611	
Gatwick	776	73007	64038	06611	784//	10305	82712	83626	87645
Kew	775	32904	68021	06712	38431	09307	81816	83625	
Heathrow	772	22807	70016	06412	28430	10306	81816		
Honington	586	72711	48056	04811	762//	10311	82704	87709	
Wattisham	590								
Gorleston	497	52706	58051	03912	50970	11307	85360		
Aberporth	502	43316	75011	10212	48400	10113	82815		
Filton	628	63010	82036	08212	5843/	09311	81818	85640	
Rhoose	715	32909	80028	08611	28440	09309	81814		
Hartland Point	703	73118	82011	10713	6853/	09207	84820	86635	87360
Mount Batten	827	73308	75031	10913	7843/	11210	81712	87645	
St. Mawgan	817	53317	80011	11713	58400	09309	84814		
Scilly	804	63415	80031	14214	68500	10204	83820	85630	
Culdrose	809	73314	80258	12313	784//	10309	86818	83626	
Guernsey	894	63013	80018	10413	68400	10307	81815	86656	
Elmdon	534	73109	64028	07112	763//	10313	87708		
Cardington	559	63006	58102	06011	657//	11307	86650		
Wittering	462	32907	57018	05711	15631	10311	81640	83075	
Watnall	354	72903	60031	06311	756/2	09211	82640	87650	
Shawbury	414	52908	78016	07511	58400	10313	81817	85645	
Finningley	360	83108	62036	05411	855//	10310	85625	88656	
Spurn Point	396	83017	64036	04413	6547/	10309	82710	86630	88360
Leeming	257	72908	88018	05312	785//	09307	85820	87630	
Tynemouth	262	73208	80028	05212	756//	11110	87630		
Carlisle	222	72706	82022	06212	65432	09309	81715	85640	
Valley	302	73216	75028	09313	724//	09111	83712	87816	
Ringway	334	72706	62032	06812	4847/	09212	81812	84640	87358
Squires Gate	318	73115	75011	06813	684/2	10212	81818	86650	
Ronaldsway	204	72106	65012	07712	684/1	09204	82712	85816	
Mull of Galloway	131	73619	82021	07611	28531	09106	81820	83360	87075
Eskdalemuir	162	30000	84011	06012	28502	07311	81825		
Prestwick	135	53112	80011	07611	48441	09212	81714	83650	
Abbotsinch	140	33010	84011	06612	28541	08109	81824		
Leuchars	171	42910	89011	05012	25642	08109	81630		
Dyce	091	83012	75606	03911	873//	09207	82708	88710	
Lerwick	005	83515	50615	01110	852//	10102	83705	85709	88618
Wick	075	83514	30516	04210	872//	10303	83703	86705	88708
Sule Skerry	010	83420	60208	05510	855//	10500	88620		
Cape Wrath	049	80503	66616	06810	873//	10601	88709		
Stornoway	026	73206	60258	07810	783//	10804	82708	84814	87630
Benbecula	022	73414	65258	09011	783//	10503	82707	83814	87630
Tiree	100	73314	75018	08911	783//	10500	82709	87630	
Aldergrove	917	73212	75801	09512	784//	09303	83815	87620	
Malin	980	63114	84258	10012	684//	10701	82710	84640	
Belmullet	976	53109	72028	13113	38502	10704	82820	83638	
Birr	965	83108	80032	12412	864//	09202	85716	88632	
Dublin	969	72814	86032	10811	754//	10209	82715	84628	85640
Shannon	962	73015	65216	13013	6847/	11705	81710	86635	87462
Roches Point	952	72913	75021	13812	754//	09500	83714	87638	
Valentia	953	63207	75022	15013	42530	10705	84822	84360	

OBSERVATIONS during NIGHT

Station	iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	01101	06	pr.pr	pr.
Hurn	862	92111	10	r.r.	r.
Manston	797	91100	09	pr.	+
Gatwick	776	97081	05	pr.	pr.
Kew	775	00111	08	+	+
Heathrow	772	97100	08	ir.	+
Honington	586	91101	10	r.ir.	r.pr.
Wattisham	590				
Gorleston	497				
Aberporth	502	01111	10	pr.pr	+
Filton	628	94120	09	r.ir.r.rr.rr.	+
Rhoose	715	97100	08	pr.r.	pr.
Hartland Point	703	97120	11		
Mount Batten	827	97131	11	+	pr.
St. Mawgan	817	97121	11	+	pr.
Scilly	804	92121	11	+	pr.
Culdrose	809	93111	10	pr.	pr.
Guernsey	894	97131	11	+	pr.
Elmdon	534	97110	10	pr.r.	+
Cardington	559	00080	05	+	+
Wittering	462	97091	08	+	pr.
Watnall	354	00091	07	+	+
Shawbury	414	95101	09	pr.drd.r.-r.	r.
Finningley	360	93101	07	r.	+
Spurn Point	396			ir.	ir.
Leeming	257	91110	09	pr.	+
Tynemouth	262	97120	10	ir.	pr.
Carlisle	222	90111	06	ir.	+
Valley	302	91121	11	pr.	pr.
Ringway	334	97101	08	pr.	+
Squires Gate	318	97131	10	pr.	+
Ronaldsway	204	00120	10	+	jp
Mull of Galloway	131	00100			
Eskdalemuir	162	00101	07	+	+
Prestwick	135	00101	06	+	+
Abbotsinch	140	00090	07	+	+
Leuchars	171	00101	07	+	+
Dyce	091	97101	09	d.d.	d.r.d.r.ir.
Lerwick	005	95091	09	d.d.id.	id.r.r.
Wick	075	92101	09	id.ir.d.r.	ir.d.d.id.
Sule Skerry	010	92092	09		
Cape Wrath	049	01092	08	pro	roro
Stornoway	026	02101	09	pr.	pr.
Benbecula	022	91101	10	pr.	pr.
Tiree	100	92101	09	pr.	pr.
Aldergrove	917	92101	09	pr.	pr.d.r.pr.
Malin	980	9111	10		
Belmullet	976	9711	08		
Birr	965	0011	11		
Dublin	969	9710	08		
Shannon	962	9712	10		
Roches Point	952	0011	09		
Valentia	953	9112	09		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	26001	82209	98022	27012	855//	00400	88622	/////	05108	11262	3////	///05
L	99569	70197	26004	81913	96515	14312	873//	00711	85706	88714	0//12	11301	30404	99/05
M	99645	10039	26004	80216	96515	98610	852//	00002	84703	88610	0//10	11172	30503	05707
R	99463	70153	26004	83212	97031	27016	854//	00002	87613	/////	0//16	11749	30805	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	26061	72311	98031	25412	75500	00506	87624	/////	00210	11154	3//05	/////
L	99569	70198	26064	83125	98216	16111	854//	71315	84710	88630	0//07	11292	30505	99/05
M	99644	10037	26064	80214	96205	99610	854//	00306	86612	88620	0//10	11170	30402	04705
R	99465	70157	26064	92814	92434	24717	9////	00612	89///	/////	0//17	11721	30501	32805

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O, Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42251

Date of Issue WEDNESDAY 27 JULY 1977

Code FM 11.V **OBSERVATIONS at 12h.** 26 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	73010	82032	09516	745//	10211	83825	86650	
Hurn	862	72808	82032	10116	785//	10210	84825	86645	
Manston	797	62910	75032	07318	58532	11108	82820	84650	
Gatwick	776	63209	80031	08617	645//	10108	83828	85650	
Kew	775	73308	80021	08517	786//	09107	82830	87645	
Heathrow	772	72907	80031	08317	746//	10108	82830	87645	
Honington	586	83011	75038	07014	884//	10110	86816	88630	
Wattisham	590								
Gorleston	497	83014	62216	06114	855//	10212	88620		
Aberporth	502	83110	75028	11813	884//	10210	86818	88642	
Filton	628	72808	84031	09716	784//	10006	81818	85822	87638
Rhoose	715	72912	83038	10715	785//	09108	83820	83625	87640
Hartland Point	703	83210	85032	12514	885//	10109	83825	88650	
Mount Batten	827	73311	86038	12316	785//	10103	83825	87648	
St. Mawgan	817	83212	84258	13315	884//	11209	85812	88625	
Scilly	804	73212	78018	15616	5857/	13206	84820	86360	
Culdrose	809	73215	80208	13515	785//	13306	84820	86630	
Guernsey	894	42915	83011	12515	18432	11111	81812	83358	
Elmdon	534	73015	75028	08915	785//	08209	83820	87630	
Cardington	559	73309	65021	08117	785//	12209	85820	87645	
Wittering	462	62812	75011	07217	686//	12004	84830	84650	
Watnall	354	72810	80022	07316	785//	10104	84822	86650	
Shawbury	414	73213	80022	09316	784//	11108	83816	86625	
Finningley	360	53109	81022	06219	48642	10002	83832		
Spurn Point	396	73607	64012	06814	5857/	12209	83820	83630	87360
Leeming	257	73310	82032	05718	785//	09000	85826	86640	
Tynemouth	262	63411	69022	06115	45638	09103	84630	85358	
Carlisle	222	73108	83032	06016	785//	10701	82827	87636	
Valley	302	82910	70258	10514	884//	10204	81710	83814	88630
Ringway	334	72813	75022	08115	785//	09207	85826	83640	
Squires Gate	318	73116	82021	08315	784//	10208	86818	83640	
Ronaldsway	204	73013	82031	09113	784//	08113	81714	83819	86630
Mull of Galloway	131	73512	83022	08613	755//	09400	87620		
Eskdalemuir	162	72912	86021	06515	5253/	09008	85828	83365	
Prestwick	135	72915	80022	07114	784//	09400	82818	87640	
Abbotsinch	140	63012	88011	06016	5853/	10801	81828	85640	
Leuchars	171	72813	86601	05313	4557/	09004	81620	84645	87360
Dyce	091	73116	65216	04212	6733/	10105	81708	86710	86360
Lerwick	005	83514	75216	02011	5827/	09303	82705	85813	88457
Wick	075	73420	75255	04911	6843/	09205	81710	83814	85635
Sule Skerry	010	73418	74028	06411	785//	08303	82820	87625	
Cape Wrath	049	83608	75026	07210	863//	07400	88709		
Stornoway	026	83414	70028	08411	854//	08302	83615	88622	
Benbecula	022	73415	60208	09312	782//	10202	81705	85708	86618
Tiree	100	73316	75258	09013	783//	11303	81709	84818	87630
Aldergrove	917	73312	65258	09713	784//	10304	81710	84818	87630
Malin	980	73115	82018	10113	784//	11201	82714	84818	85645
Belmullet	976	63014	80012	13315	685//	11201	86820		
Birr	965	82907	82026	12414	7647/	09000	84716	87633	87460
Dublin	969	82813	84036	10315	855//	10000	84620	87630	
Shannon	962	72809	82022	13016	785//	11804	83826	86633	
Roches Point	952	63109	82018	13217	625/1	10603	86823		
Valentia	953	43007	86011	14316	48500	11706	81824	84645	

OBSERVATIONS at 18h. 26 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	52812	82028	09917	12531	10500	81828	83359	
Hurn	862	43012	80031	10816	48600	10202	81830	83645	
Manston	797	42006	74018	08617	38531	13101	81822	83648	
Gatwick	776	62611	81038	09417	686//	10501	81830	86645	
Kew	775	62907	80038	09118	53669	09301	81930	83832	
Heathrow	772	62808	82028	09019	54609	10500	82832	83650	
Honington	586	62818	65018	07517	2863/	10301	81832	85360	
Wattisham	590								
Gorleston	497	82705	66258	07715	885//	12203	84820	88628	
Aberporth	502	82610	88032	11613	6857/	11605	81820	86640	88359
Filton	628	73110	82022	10515	785//	09301	82820	87635	
Rhoose	715	82911	83032	11015	885//	08301	81825	88645	
Hartland Point	703	83205	56152	12514	885//	10602	84825	88650	
Mount Batten	827	83110	75028	12515	884//	11701	81815	88635	
St. Mawgan	817	73111	75258	12914	784//	11802	84811	87630	
Scilly	804	72906	81032	14616	4857/	13707	82821	84640	86360
Culdrose	809	73213	75028	13115	6853/	10804	83820	85635	
Guernsey	894	72812	81021	13514	784//	12302	81818	83638	87650
Elmdon	534	73312	75252	09715	785//	09305	83825	87635	
Cardington	559	23211	70011	08618	28600	11500	81830		
Wittering	462	23018	75011	08316	11530	10205	81820		
Watnall	354	42809	72011	08714	38540	09103	81820		
Shawbury	414	72907	82012	09614	785//	11000	81820	83625	87635
Finningley	360	72913	80038	07415	6853/	09107	82824	86634	
Spurn Point	396	70000	66216	07813	6857/	11209	82820	86630	87360
Leeming	257	72810	65028	06516	785//	10306	82825	87645	
Tynemouth	262	80000	69616	06913	8062/	11204	88530		
Carlisle	222	72808	84022	06515	785//	10501	82828	83636	87645
Valley	302	82708	58202	10513	884//	12400	82710	84630	88645
Ringway	334	72710	70012	09114	785//	09500	83820	87635	
Squires Gate	318	72714	83032	08814	784//	11400	85818	87645	
Ronaldsway	204	83007	82252	09413	884//	10301	81712	86820	88645
Mull of Galloway	131	73425	58152	08813	794//	10000	83915	84820	
Eskdalemuir	162	82910	83022	06513	886//	09500	84830	88650	
Prestwick	135	73115	81021	07214	785//	11302	81820	83640	86650
Abbotsinch	140	72912	86032	06416	785//	09400	82828	85640	87645
Leuchars	171	82703	82216	06014	6547/	11202	81712	85636	88362
Dyce	091	73113	82216	05512	6543/	08201	81714	85618	86362
Lerwick	005	73514	70038	03011	78131	10205	82702	85810	
Wick	075	73317	70808	06010	6843/	09305	84814	86630	87359
Sule Skerry	010	73417	62802	07210	725//	10103	87820		
Cape Wrath	049	83608	75028	07910	855//	06202	88620		
Stornoway	026	73315	75035	09011	754//	08204	82710	87624	
Benbecula	022	73313	81015	09911	754//	07001	82616	87622	
Tiree	100	63416	82018	09712	684//	09103	81816	86626	
Aldergrove	917	73211	70218	10113	754//	11301	82710	85616	87640
Malin	980	73312	80028	10713	784//	11303	82714	84718	86650
Belmullet	976	73210	81022	13014	784//	10803	82819	86640	
Birr	965	73104	82012	11416	585/2	10806	82822	84636	85070
Dublin	969	73011	81028	10515	784//	10202	81718	84825	87635
Shannon	962	63012	82022	12516	3863/	11605	81830	83645	85358
Roches Point	952	63211	82022	12117	48502	09707	81823	84645	
Valentia	953	73210	86021	13715	68502	11601	81824	85645	

OBSERVATIONS during DAY

Station	iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	97191	081	pr.	pr.
Hurn	862	00190	061	+	+
Manston	797	97180	052	pr.	pr.
Gatwick	776	92190	042	pr.	+
Kew	775	97200	059	pr.	+
Heathrow	772	97200	046	pr.	+
Honington	586	01191	029	pr.	prpr.
Wattisham	590				
Gorleston	497		018		
Aberporth	502	97141	006	pr.	pr.
Filton	628	00190	033	+	+
Rhoose	715	97160	002	pr.	+
Hartland Point	703	97150	000		
Mount Batten	827	97171	007	pr.	+
St. Mawgan	817	97161	014	pr.	pr.
Scilly	804	00180	029	+	+
Culdrose	809	97151	018	pr.	pr.
Guernsey	894	00171	085	+	+
Elmdon	534	97170	012	pr.	pr.
Cardington	559	00200	090	+	+
Wittering	462	00191	085	+	+
Watnall	354	00171	022	+	+
Shawbury	414	97160	014	+	pr.d.r.
Finningley	360	97201	058	pr.	+
Spurn Point	396			+	ir.
Leeming	257	97190	037	pr.	pr.
Tynemouth	262	04152	007	+	ir.r.r.
Carlisle	222	00170	042	+	+
Valley	302	94151	000	pr.	id
Ringway	334	00161	023	+	+
Squires Gate	318	00160	038	+	+
Ronaldsway	204	97161	052	pr.	pr.
Mull of Galloway	131	97150			
Eskdalemuir	162	97161	047	+	r.
Prestwick	135	00171	039	+	+
Abbotsinch	140	00170	051	+	+
Leuchars	171	01151	021	r.r.	r.rrr.r.
Dyce	091	92141	006	id.r.	r.
Lerwick	005	02121	000	ir.rrpr.	pr.id.
Wick	075	92131	018	id.pr.	pr.
Sule Skerry	010	97121			
Cape Wrath	049	01100	000	ir.	pr.
Stornoway	026	92131	011	pr.d.	+
Benbecula	022	97131	003	pr.id.	+
Tiree	100	97141	006	pr.	id.
Aldergrove	917	01141	009	pr.prd.r.	id.r.
Malin	980	9714	006		
Belmullet	976	0016	077		
Birr	965	9717	007		
Dublin	969	9216	009		
Shannon	962	0018	034		
Roches Point	952	9719	035		
Valentia	953	0017	040		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 12h.**

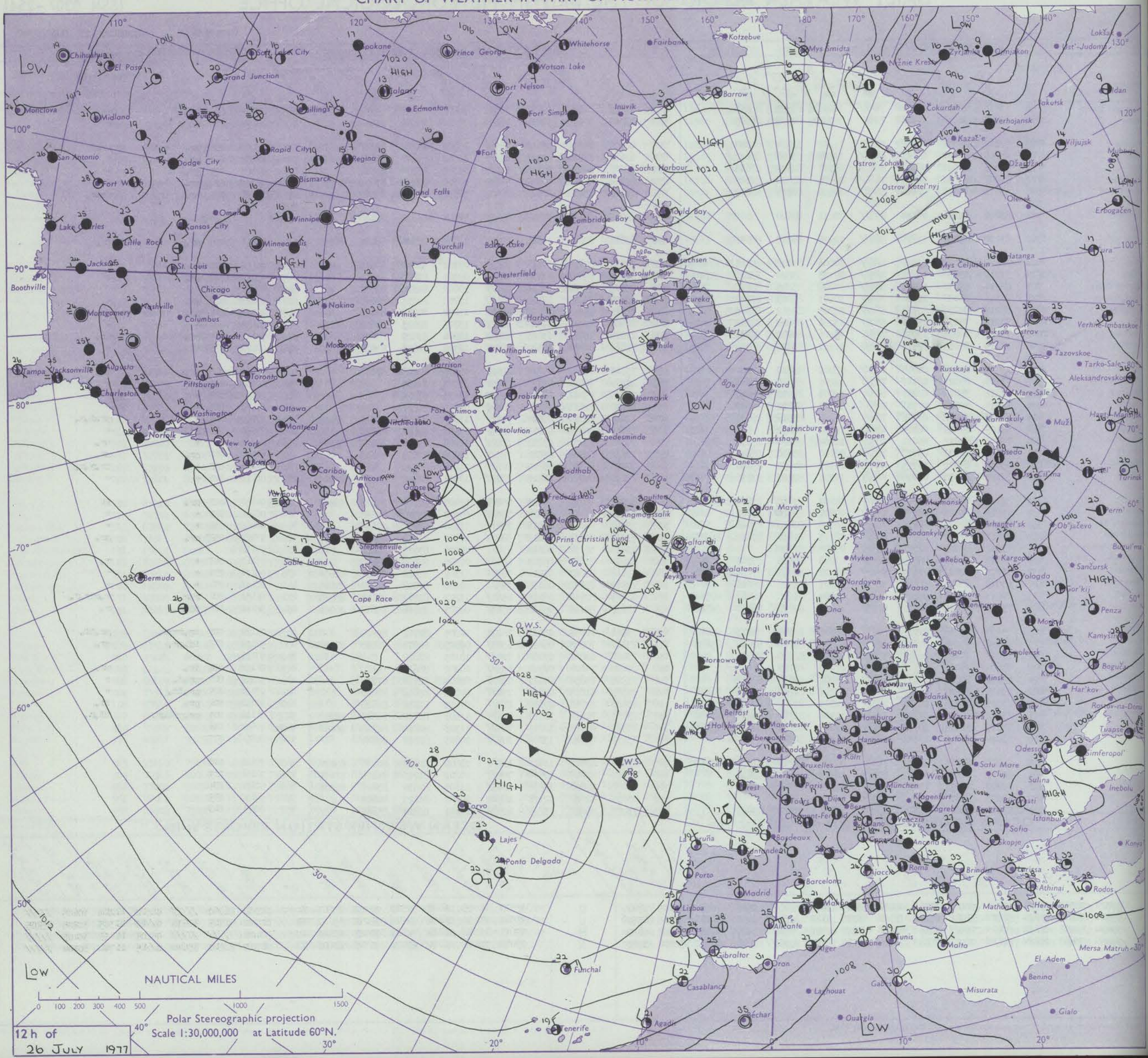
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	26121	62111	98022	25813	40932	00310	84359	/////	00112	11262	30605	/////
L	99570	70200	26124	52920	98012	17712	58400	00303	81815	83630	0//09	11311	30505	27806
M	99644	10038	26124	60110	97025	00510	58401	00303	83815	85620	0//09	11195	30302	01804
R	99466	70163	26124	82820	96022	23218	862//	00711	88703	/////	0//18	11762	30504	33803

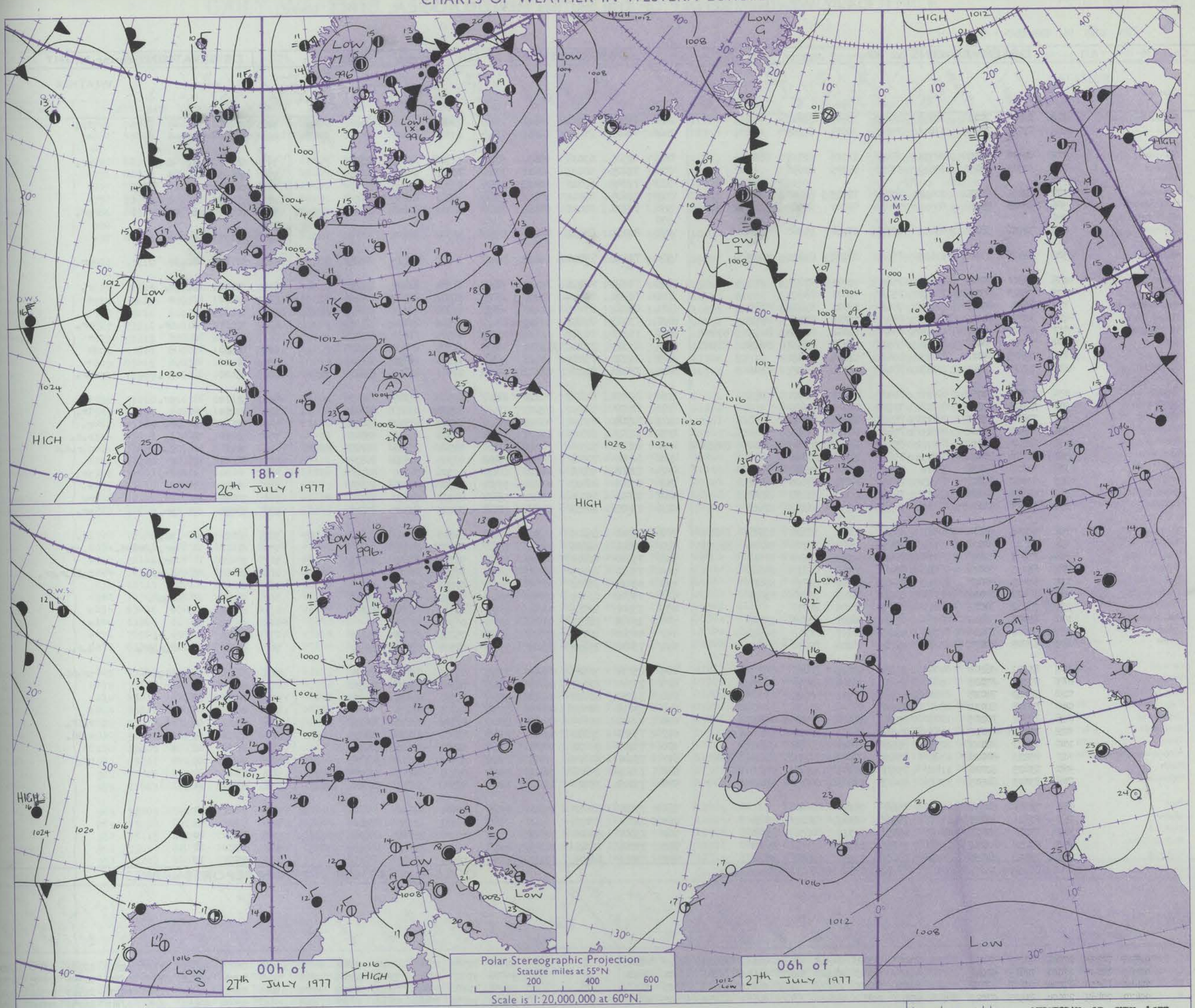
OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	26181	82312	98032	25813	60952	00302	86360	/////	00312	11214	30605	/////
L	99569	70198	26184	72816	98252	18112	784//	00000	82818	87630	0/10	11305	30805	25805
M	99647	10036	26184	50110	97028	00010	49462	72400	/////	/////	05208	11153	30403	/////
R	99468	70166	26184	83424	97018	23416	884//	00305	83810	85640	0/15	11744	30504	/////

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Low
High
Chihuahua
El Paso
Monclova
Midland
San Antonio
Fort Worth
Dodge City
Lake Charles
Little Rock
Jacksonville
Boothville
Montgomery
Nashville
Columbus
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Washington
Norfolk
New York
Boston
Toronto
Ottawa
Montreal
Caribou
Yarmouth
Stephenville
Sable Island
Gander
Cape Race
Bermuda
Anticosti
Goose R.
Kitchener
Fort Chimo
Resolution
Nottingham Island
Port Harrison
Moosonee
Winisk
Nakina
Chicago
St. Louis
Kansas City
Minneapolis
Omaha
Winnipeg
Bismarck
Rapid City
Billings
Regina
Spokane
Salt Lake City
Grand Junction
Prince George
Calgary
Edmonton
Whitehorse
Watson Lake
Fort Nelson
Fort Simpson
Fort Smith
Churchill
Baker Lake
Chesterfield
Coral Harbour
Coppermine
Cambridge Bay
Resolute Bay
Arctic Bay
Eureka
Alert
Thule
Clyde
Cape Dyer
Frobisher
Egedesminde
Godthab
Fredrikshaab
Narssarssuaq
Prins Christian Sund
Angmagssalik
Reykjavik
Jan Mayen
Kap Tobin
Inuvik
Sachs Harbour
Fairbanks
Barrow
Kotzebue
Mys Šmidta
Ostrov Žohova
Ostrov Kotel'nyj
Čokurdah
Verhojansk
Kazač'e
Nižnie Kresty
Zyrjanka
Omjakon
Oldan
Jakutsk
Viljujsk
Džardžan
Olenek
Mirnyj
Erbogačen
Lokšak
Ust'-Judoma
Mys Čeljuskin
Diatanga
Ostrov Uedineniya
Tikson Ostrov
Russkaja Gavan'
Mare-Sale
Tazovskoe
Tarko-Sale
Aleksandrovskoe
Verhne-Imbatskoe
Malye Karmakuly
Muž
Barencburg
Hopen
Nord
Danmarkshavn
Daneborg
Bjornoya
Thorshavn
Lerwick
Storeowa
Oslo
Stockholm
Myken
Nordøyan
Vaasa
Ostersund
Ona
Rebnes
Murmansk
Arhangel'sk
Ob"jačevo
Kargopol'
Vologda
Sančursk
Gor'kij
Penza
Kamyšin
Bogučar
Tuapse
Simferopol'
Inebolu
Sulina
Satu Mare
Cluj
Odessa
Konya
Sofia
Skopje
Istanbul
Larissa
Athinai
Rodos
Mathoura
Heraklion
Brindisi
Ancona
Roma
Napoli
Venezia
Trieste
Zagreb
Klagenfurt
München
Wien
Praha
Hannover
Hamburg
Bremen
Köln
Bruxelles
Paris
Dijon
Clermont-Ferrand
Bordeaux
Toulouse
Nantes
Brest
Cherbourg
Scilly
London
Manchester
Aberporth
Belfast
Belmullet
Glasgow
Stornoway
Trough
Warszawa
Gdańsk
Minsk
Smolensk
Kursk
Har'kov
Rostov-na-Donu
Czestochowa
Kaliningrad
Mys Taran
Ostrov Bol'šoj Oleni
Ostrov Kolgujev
Amderma
Dikson
Ostrov Uedineniya
Ostrov Vize
Ostrov Hejsa
Ostrov Dikson
Ostrov Sterligova
Ostrov Voronina
Ostrov Kotel'nyj
Ostrov Žohova
Ostrov Bennett
Ostrov Kotel'nyj
Ostrov Faddeevskij
Ostrov Novosibirskie
Ostrov Kotel'nyj
Ostrov Bennett



Issued at midday WEDNESDAY 27 JULY 1977

GENERAL SYNOPTIC DEVELOPMENT

The depression over Norway and Sweden has persisted, maintaining the unstable north to northwest airstream over the British Isles. A weak occluded frontal system about 200 miles west of Ireland has moved slowly east. A shallow warm sector depression to the southwest of Ireland has moved southeast. It is now centred near Brest with its associated cold front across northwest Spain. During the next 24 hours the low pressure will remain over Scandinavia and the unstable northwesterlies are expected to continue across the British Isles.

Code FM 11.V — OBSERVATIONS at 00h. 27 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	12605	70011	10911	15600	10801	81640		
Hurn	862	72705	75031	11413	756//	10801	87643		
Manston	797	63505	65018	09514	684//	12106	82818	86645	
Gatwick	776	32303	70031	10610	35700	09105	83656		
Kew	775								
Heathrow	772	62605	63051	10412	656//	10105	86645		
Honington	586	32406	59011	08811	30930	09004	83360		
Wattisham	590								
Gorleston	497	52510	66016	08412	50970	10400	85360		
Aberporth	502	72608	81028	11613	755//	12000	83625	87656	
Filton	628	72807	70022	10913	756//	10001	87639		
Rhoose	715	73010	81022	11013	756//	10601	87645		
Hartland Point	703	73204	85022	12514	785//	12301	81820	87634	
Mount Batten	827	82705	80212	12813	884//	11701	81818	88635	
St. Mawgan	817	82907	80022	12914	884//	11001	81812	84620	88650
Scilly	804	70000	80032	14114	5857/	12803	83820	84630	87360
Culdrose	809	82605	75022	13113	856//	12701	88640		
Guernsey	894	72708	82022	13213	784//	12704	81815	87640	
Elmdon	534	72706	70252	09912	784//	11001	81818	87650	
Cardington	559	32805	62011	09710	35700	10001	83650		
Wittering	462	72807	75031	08912	756//	10000	87646		
Watnall	354	72510	68021	08811	756//	10704	87647		
Shawbury	414	82606	70218	09912	854//	11702	81712	85620	88632
Finningley	360	72806	80022	08013	756//	10103	87645		
Spurn Point	396	82814	68032	07814	5567/	10301	85630	88460	
Leeming	257	73602	82022	07413	785//	10204	83820	87647	
Tynemouth	262	80000	69606	07811	3567/	11103	83630	88358	
Carlisle	222	72807	80012	07713	785//	10206	81822	87650	
Valley	302	83008	60602	10813	853//	11001	82708	86612	88620
Ringway	334	82911	40598	09112	854//	11001	81710	84714	88635
Squires Gate	318	73113	82028	08714	784//	11701	84818	87638	
Ronaldsway	204	83115	80026	09812	854//	10400	81713	88626	
Mull of Galloway	131	83415	80028	09811	854//	10207	81710	88625	
Eskdalemuir	162	60102	70018	07710	5843/	09003	82816	83630	
Prestwick	135	33112	80011	09010	28441	07209	82817		
Abbotsinch	140	43008	86011	08109	18541	06207	81825	83078	
Leuchars	171	50000	70216	07310	45440	10107	82712	84626	
Dyce	091	62909	84031	07009	4563/	06206	84630	84360	
Lerwick	005	83312	56208	04009	872//	09205	86703	88705	
Wick	075	73314	75028	06909	6843/	08006	83816	86632	
Sule Skerry	010	83412	74028	07610	855//	07101	88625		
Cape Wrath	049	73608	81012	08410	755//	06000	87620		
Stornoway	026	83307	70205	10010	853//	07206	84709	88620	
Benbecula	022	73412	82012	10611	755//	06001	87623		
Tiree	100	83412	82022	10511	855//	07500	85620	88627	
Aldergrove	917	83211	80026	11011	854//	09004	82711	84616	88621
Malin	980	73015	82026	11512	754//	07101	82717	87626	
Belmullet	976	83010	64505	13913	864//	11003	85716	87638	
Birr	965	72904	80031	13911	756//	08110	87640		
Dublin	969	72811	80028	11811	755//	08105	82622	87630	
Shannon	962	73207	80032	14413	4573/	11311	84656	85360	
Roches Point	952	73212	82032	13912	5577/	11108	85650	85359	
Valentia	953	73508	84028	15414	785//	11107	82820	87635	

OBSERVATIONS at 06h. 27 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72805	65021	10612	755//	09204	82620	87645	
Hurn	862	72905	70022	10813	756//	11301	87647		
Manston	797	62505	63018	09612	584/1	11302	83815	83650	
Gatwick	776	72405	68021	10411	756//	11302	84630	87656	
Kew	775	72402	65021	10412	756//	09302	87645		
Heathrow	772	72605	65011	10112	756//	10301	81630	87650	
Honington	586	72308	60031	08612	756//	10302	87640		
Wattisham	590								
Gorleston	497	82705	60031	08411	855//	10302	88625		
Aberporth	502	73312	75031	11612	784//	10302	84813	86635	
Filton	628	72804	75216	10813	784//	11304	81817	87648	
Rhoose	715	72702	72012	10912	18431	10302	81812	87362	
Hartland Point	703	63310	83022	12113	48431	11302	82812	83645	85360
Mount Batten	827	73203	80012	11914	784//	11502	81716	87645	
St. Mawgan	817	73307	75022	12214	28432	12501	81810	87357	
Scilly	804	63605	72022	13914	18571	14304	81820	84360	
Culdrose	809	83307	75022	12513	8857/	12301	88640	88640	
Guernsey	894	73006	81028	12313	38432	11501	81812	83616	85359
Elmdon	534	82910	64608	09812	873//	10303	87709		
Cardington	559	72707	58051	09512	756//	11302	81640	87650	
Wittering	462	72709	75016	08712	754//	11304	81712	87650	
Watnall	354	42807	64016	08812	35431	10304	81715	83618	
Shawbury	414	82806	56586	10011	873//	11304	81706	84708	88710
Finningley	360	62909	70022	08112	58542	09305	81820	84635	
Spurn Point	396	82808	50606	08113	6647/	11306	86710	87360	
Leeming	257	63109	82022	08012	58502	08307	82822	85650	
Tynemouth	262	80510	69026	08711	5567/	09109	85630	88358	
Carlisle	222	73006	68038	08210	784/1	08205	82818	86625	
Valley	302	83210	65206	10912	853//	09103	81709	84614	88618
Ringway	334	72806	68026	09411	755//	09209	87622		
Squires Gate	318	73310	82012	09313	68432	08306	82818	86625	
Ronaldsway	204	73110	65215	10210	754//	07305	81713	83618	87628
Mull of Galloway	131	83515	83032	10011	885//	07203	82820	88625	
Eskdalemuir	162	73502	62021	08709	58402	06308	82818	83630	
Prestwick	135	53302	82021	09209	28441	07305	81816	84075	
Abbotsinch	140	22404	86011	08608	18542	06304	81826		
Leuchars	171	40000	89031	08106	18542	05206	81825	83075	
Dyce	091	73010	75038	07010	754//	07500	81710	87622	
Lerwick	005	83214	30508	03809	871//	09301	83702	88704	
Wick	075	73310	81022	06709	784//	06301	83818	87635	
Sule Skerry	010	83212	82022	07210	855//	07501	88625		
Cape Wrath	049	83615	80022	07609	855//	05704	88620		
Stornoway	026	82906	68605	09209	854//	07702	84616	88622	
Benbecula	022	73310	80206	09911	754//	09602	81710	87622	
Tiree	100	73309	89022	10411	755//	08302	81624	87629	
Aldergrove	917	73107	81022	11011	754//	08301	83713	86625	
Malin	980	73114	89806	11112	784//	09502	81718	83820	87635
Belmullet	976	73109	78026	13812	784//	10302	82715	84820	87638
Birr	965	73007	81022	13212	756//	10601	87636		
Dublin	969	72711	80022	11910	3563/	09302	83635	86360	
Shannon	962	73007	82606	14014	753//	11500	81709	85625	86656
Roches Point	952	73009	80022	14213	654/1	11206	82715	86656	87075
Valentia	953	83316	60606	15413	863//	13301	88708		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	97091	04	+	ir.
Hurn	862	00120	10	+	+
Manston	797	96121	09	pr.pr	pr.
Gatwick	776	00100	05	+	+
Kew	775	00120	07	+	+
Heathrow	772	00100	08	+	+
Honington	586	97091	06	+	pr.
Wattisham	590				
Gorleston	497				
Aberporth	502	97111	10	+	pr.
Filton	628	97130	10	r.	r.
Rhoose	715	00110	10	+	+
Hartland Point	703	00130	11		
Mount Batten	827	97131	12	ir.	pr.
St. Mawgan	817	00131	12	+	+
Scilly	804	00130	11	+	+
Culdrose	809	00120	11	+	+
Guernsey	894	97120	11	pr.	pr.
Elmdon	534	91110	11	pr.	ir.
Cardington	559	97080	04	+	ir.
Wittering	462	97111	09	r.	r.
Watnall	354	97111	08	d.	r.d.
Shawbury	414	01111	10	d.r.r.	d.r.d.d
Finningley	360	00111	10	+	+
Spurn Point	396			ir.	ir.
Leeming	257	00110	10	+	+
Tynemouth	262	02101	09	ir.	rr
Carlisle	222	97090	07	pr.	pr.
Valley	302	94121	11	id.ir.	id.
Ringway	334	01111	10	pr.r.drdrd.	d.pr.
Squires Gate	318	97120	11	pr.	+
Ronaldsway	204	91100	09	d.r.d.	r.id.r.pr.
Mull of Galloway	131	00090			
Eskdalemuir	162	97071	03	r.pr.	+
Prestwick	135	00070	05	+	+
Abbotsinch	140	00050	02	+	+
Leuchars	171	97051	01	r.r.	+
Dyce	091	97081	07	d.r.pr.	d.r.
Lerwick	005	96081	08	id.pr.	pr.id.
Wick	075	93081	07	pr.	+
Sule Skerry	010	00071	09		
Cape Wrath	049	00080	08	+	+
Stornoway	026	92091	08	id.	r.id.
Benbecula	022	97101	09	+	r.id.
Tiree	100	00111	10	+	jp
Aldergrove	917	91101	09	+	pr.
Malin	980	9712	11		
Belmullet	976	0312	11		
Birr	965	9710	07		
Dublin	969	9710	08		
Shannon	962	9712	10		
Roches Point	952	0012	11		
Valentia	953	9512	10		

Code FM 21.V — OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	27001	82208	98032	25813	50937	00303	85360	/////	00112	11272	3////	22005
L	99569	70197	27004	72618	98028	16012	4843/	00813	81818	84635	0//10	11314	30704	04904
M	99652	10030	27004	70108	97258	00010	79400	71400	/////	/////	05108	11070	30303	/////
R	99470	70168	27004	83523	97022	26516	855//	00311	88620	/////	0//11	11752	30605	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	27061	62007	98012	24712	60930	00808	86360	/////	00212	11168	3////	///05
L	99570	70203	27064	73019	98015	14511	754//	00501	83712	87630	0//08	11299	30705	31703
M	99652	10031	27064	73505	97158	99709	69460	00602	/////	/////	05208	11097	30302	/////
R	99472	70170	27064	83618	97022	27916	855//	00309	88620	/////	0//12	11730	30605	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bra

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42252

Date of Issue THURSDAY 28 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 27 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72907	82026	11317	745//	10304	82828	83635	87645
Hurn	862	73109	80032	11519	58642	09001	82830	85650	
	8								
Manston	797	82911	72031	10516	884//	11104	81812	83618	88650
Gatwick	776	82806	80802	11316	885//	11204	84824	86645	88656
Kew	775	73105	80022	11216	785//	09104	85825	87650	
Heathrow	772	73009	80012	11017	785//	10105	84828	87650	
Honington	586	82512	70808	09816	884//	10305	83816	88645	
Wattisham	590								
Gorleston	497	82713	60022	09817	855//	10204	88625		
Aberporth	502	53210	82018	13414	38531	09208	83822		
Filton	628	72606	75022	11416	785//	09102	82822	86632	
Rhoose	715	73014	80011	11717	3853/	11203	81820	83635	86362
Hartland Point	703	63410	84022	13613	32431	10205	83812	84360	86075
Mount Batten	827	73310	80018	13017	58531	09105	83825	83650	
St. Mawgan	817	73213	82022	14015	58431	09207	85818		
Scilly	804	53611	80022	16018	22532	13209	82823	84360	
Culdrose	809	73415	80032	14115	41531	10209	84822	83360	
Guernsey	894	72909	80022	13415	6843/	12206	82813	85645	
Elmdon	534	73110	75036	11115	785//	08106	86822	85635	
Cardington	559	83307	68026	11116	885//	11109	81825	83630	88645
Wittering	462	73109	80022	10415	785//	10210	83825	87645	
Watnall	354	73008	82021	10913	785//	07211	81822	87630	
Shawbury	414	73215	80036	11215	685/2	10304	83820	84635	86650
Finningley	360	72713	72031	10015	785/1	07211	82828	87640	
Spurn Point	396	71403	68016	10014	724//	11210	87810		
Leeming	257	73410	60042	09814	784//	09109	82814	83823	87640
Tynemouth	262	80105	81022	10911	7567/	08214	87630		
Carlisle	222	72804	83028	09815	786//	07106	83830	86648	
Valley	302	73012	81026	12415	784//	08004	82816	87635	
Ringway	334	83012	82258	10813	884//	07005	81715	84822	88637
Squires Gate	318	73112	86012	10814	785//	07208	83825	87635	
Ronaldsway	204	72911	82038	11513	785//	07107	81821	85826	85656
Mull of Galloway	131	63515	82012	11115	5854/	08103	82820	83645	
Eskdalemuir	162	72506	83021	09314	786//	06204	86830	85640	
Prestwick	135	63016	86021	10014	5853/	06104	81825	85636	
Abbotsinch	140	63306	86021	09515	58631	07003	82832	83640	
Leuchars	171	70903	89021	09113	786//	06203	83830	86650	
Dyce	091	83207	82036	08612	854//	07105	83616	88624	
Lerwick	005	73012	75805	05111	7833/	07209	81709	85813	
Wick	075	73114	82028	07711	5853/	07302	84820	84640	85360
Sule Skerry	010	83213	84022	08311	855//	08205	88625		
Cape Wrath	049	83612	80022	08610	855//	08202	88620		
Stornoway	026	73010	81036	09313	784//	08703	85818	87635	
Benbecula	022	52510	84151	10215	48530	10701	82820	83635	
Tiree	100	63009	86012	10915	4853/	09101	82820	83640	85359
Aldergrove	917	63312	84038	11616	58531	07004	84822	84070	
Malin	980	72908	86038	11814	785/2	10001	82820	87645	
Belmullet	976	82813	68605	14313	6647/	12500	82712	83717	87459
Birr	965	73309	84022	13615	785//	10703	84821	86636	
Dublin	969	73210	87012	12017	68532	08802	84825	84635	
Shannon	962	73115	84036	14916	6847/	11302	81715	83820	85640
Roches Point	952	73019	82038	14715	785//	09802	85821	83643	
Valentia	953	73210	80016	17215	785//	11303	83821	87636	

OBSERVATIONS at 18h. 27 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72505	80032	10317	38532	11707	82824	85075	
Hurn	862	62907	70012	10918	38602	11708	82835	85075	
Manston	797	62208	65022	10217	28531	11705	81826	85075	
Gatwick	776	72405	72258	10517	786//	12706	82830	87645	
Kew	775	73404	75028	10517	786//	10704	81830	87656	
Heathrow	772	73007	77022	10417	785//	10603	81828	83645	87656
Honington	586	63208	72038	10017	11632	06501	81830	86078	
Wattisham	590								
Gorleston	497	81205	64028	10315	855//	12400	88625		
Aberporth	502	72806	88021	12513	5853/	09807	81822	85656	87358
Filton	628	63110	82032	10617	48531	09605	82828	83650	85075
Rhoose	715	63211	84022	11317	18531	10500	81825	83359	
Hartland Point	703	53105	84031	13214	14671	10805	81635	85358	
Mount Batten	827	43314	82021	13016	18539	08502	81825	83175	
St. Mawgan	817	73108	80151	13514	78482	11707	81712	86645	
Scilly	804	73209	80026	15515	38572	12806	82823	83625	
Culdrose	809	63013	75802	13715	68400	11706	82712	84822	86635
Guernsey	894	62811	82022	12814	25632	10706	82645	83358	
Elmdon	534	73310	75022	11015	21631	06601	82830	85360	87075
Cardington	559	70505	65022	10516	786//	11602	82830	86645	
Wittering	462	63011	75032	10515	28532	09501	81825	83360	85075
Watnall	354	63005	81012	10713	25731	07605	82650	83362	86075
Shawbury	414	63506	70012	11215	58502	09703	82825	84640	85075
Finningley	360	73107	75032	10215	786//	08204	82830	87645	
Spurn Point	396	50612	68012	10913	48501	11105	82820	84630	
Leeming	257	70505	70042	10414	785//	09301	81825	87640	
Tynemouth	262	71408	81022	11112	2553/	08102	82625	87358	
Carlisle	222	72506	84032	09915	68632	07301	82835	85645	
Valley	302	72510	84032	12114	785//	08602	81820	87657	
Ringway	334	72711	81028	11114	58532	08301	81825	85640	85072
Squires Gate	318	73010	85032	10915	38531	08801	83820	86075	
Ronaldsway	204	42710	86011	11315	28632	09400	81830	83075	
Mull of Galloway	131	73513	82022	11014	28531	09802	81820	84360	86075
Eskdalemuir	162	63004	84031	09714	686/2	07304	82830	85650	
Prestwick	135	33113	88011	10115	18542	09302	81828		
Abbotsinch	140	63012	86021	09416	58531	08302	82828	83640	
Leuchars	171	32305	86011	09116	28602	06500	81830		
Dyce	091	70102	84026	09113	746//	08302	83630	87640	
Lerwick	005	73210	75258	07210	5847/	07213	82815	85628	87359
Wick	075	73215	84022	09411	5843/	07309	84818	84640	85360
Sule Skerry	010	83213	82022	09711	855//	07209	88625		
Cape Wrath	049	83605	58626	10309	873//	09210	88708		
Stornoway	026	73212	82022	10913	785//	09211	82823	87635	
Benbecula	022	60202	84018	11213	5843/	10307	84810	83360	
Tiree	100	72509	66802	10713	6837/	12601	82708	83817	85637
Aldergrove	917	72804	62808	11413	732//	11302	81705	83915	87645
Malin	980	73112	84032	11713	78432	11301	81714	85820	85640
Belmullet	976	72708	74026	13215	6843/	12606	82716	84820	85638
Birr	965	83604	80028	12714	7642/	12709	85717	85634	86460
Dublin	969	72807	75258	11614	735//	12605	83822	81922	87640
Shannon	962	73011	84028	13315	785//	11708	82823	86645	
Roches Point	952	72915	81028	13615	5947/	10711	82818	81918	85640
Valentia	953	72507	70018	14514	5643/	12719	85711	87358	

OBSERVATIONS during DAY

Station	iii	RRT T E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00190	025 +		+
Hurn	862	00200	035 +		+
Manston	797	00180	042 jp		+
Gatwick	776	97180	006 pr.		pr.
Kew	775	97190	010 +		pr.
Heathrow	772	00190	009 +		+
Honington	586	97190	055 pr.		+
Wattisham	590				
Gorleston	497		011		
Aberporth	502	97151	069 +		pr.
Filton	628	00190	053 +		+
Rhoose	715	00190	090 +		+
Hartland Point	703	97140	083		
Mount Batten	827	00180	078 +		+
St. Mawgan	817	02171	092 +		pr
Scilly	804	97180	072 +		pr.
Culdrose	809	97171	+		pr.
Guernsey	894	00170	064 +		+
Elmdon	534	00170	028 +		+
Cardington	559	97190	017 ir.		+
Wittering	462	00170	035 +		+
Watnall	354	00150	040 +		+
Shawbury	414	00150	013 +		+
Finningley	360	00170	043 +		+
Spurn Point	396		+		+
Leeming	257	00150	016 jp		+
Tynemouth	262	00131	022 +		+
Carlisle	222	00170	037 +		+
Valley	302	97180	041 ir.		+
Ringway	334	97151	032 pr.		+
Squires Gate	318	00160	041 +		+
Ronaldsway	204	00170	073 +		+
Mull of Galloway	131	00160			
Eskdalemuir	162	00161	063 +		+
Prestwick	135	00160	120 +		+
Abbotsinch	140	00180	126 +		+
Leuchars	171	00181	062 +		+
Dyce	091	97151	010 r.r.		ir.
Lerwick	005	01111	023 pr.		pr.
Wick	075	97131	014 pr.		+
Sule Skerry	010	00110			
Cape Wrath	049	93111	004 +		ir
Stornoway	026	00151	009 +		+
Benbecula	022	92151	045 pr.r.		r.r.
Tiree	100	97151	024 jp		pr.
Aldergrove	917	13181	043 pr.		pr.prpRpr.
Malin	980	9716	060		
Belmullet	976	9515	006		
Birr	965	9616	009		
Dublin	969	0117	037		
Shannon	962	9718	014		
Roches Point	952	9317	018		
Valentia	953	9216	008		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

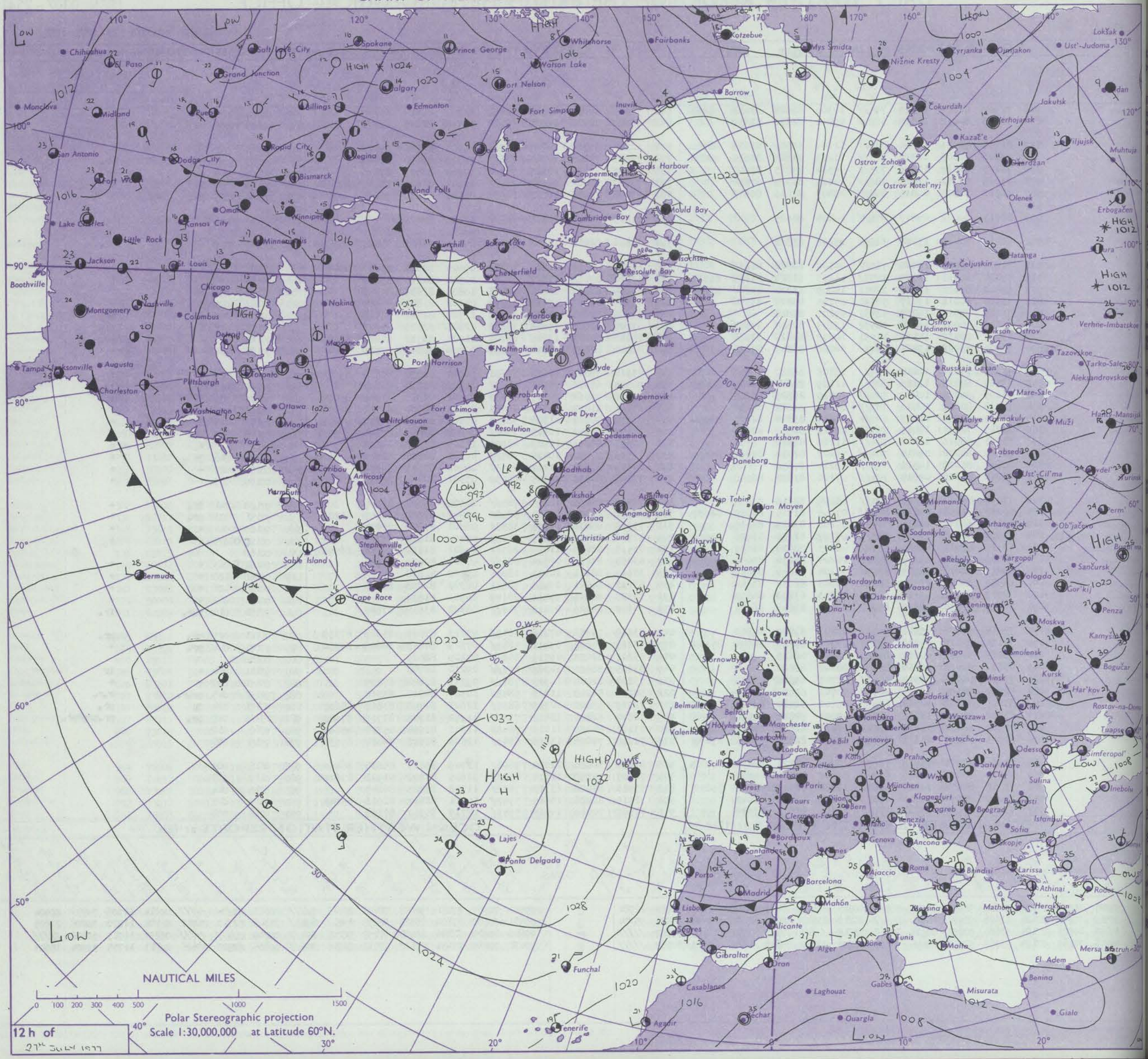
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	$YYGGi_w$	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	27121	81610	98032	23513	855//	00813	88628	/////	00213	11287	30503	22904
L	99569	70201	27124	83022	98038	16411	884//	00210	83818	88630	0//07	11196	30706	99/04
M	99657	10023	27124	53606	97252	00808	39462	72218	/////	/////	05508	11107	30302	/////
R	99471	70169	27124	83317	97012	29616	78508	00205	82820	85640	0//11	11723	30605	/////

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	$YYGGi_w$	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	27181	92008	92455	22413	9////	00603	89/04	/////	00214	11308	3////	22904
L	99568	70200	27184	73228	98258	19212	6943/	71318	82710	86912	0//08	11270	30706	27805
M	99660	10029	27184	83408	97258	02208	894//	00209	/////	/////	05207	11013	30302	/////
R	99471	70169	27184	73122	97032	28716	785//	00605	82820	87626	0//13	11735	30504	35905

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Low
High
1012
1016
1020
1024
1028
1032
1008
1004
1000
996
992
Chihuahua
El Paso
Salt Lake City
Spokane
Prince George
Whitehorse
Fairbanks
Kotzebue
Mys Šmidta
Nižnie Kresty
Čokurdah
Jakutsk
Monclova
Midland
Grand Junction
Billings
Watson Lake
Fort Nelson
Edmonton
Calgary
Inuvik
Barrow
Fort Simpson
San Antonio
Dodge City
Rapid City
Regina
Bismarck
Fort Worth
Omaha
Winnipeg
Lake Charles
Kansas City
Little Rock
Minneapolis
Churchill
Baker Lake
Jackson
St. Louis
Chesterfield
Boothville
Chicago
Nashville
Montgomery
Columbus
Detroit
Nakina
Winisk
Moosonee
Toronto
Pittsburgh
Tampa
Jacksonville
Augusta
Charleston
Washington
Norfolk
New York
Ottawa
Montreal
Caribou
Anticosti
Yarmouth
Sable Island
Stephenville
Gander
Cape Race
Bermuda
Port Harrison
Nottingham Island
Fort Chimo
Nitchequon
Resolution
Probisher
Cape Dyer
Egedesminde
Godthab
Frederikshab
Angmagssalik
Narssarssuaq
Prins Christian Sund
Arsuk
Coppermine
Cape Parry
Cambridge Bay
Gjoa Haven
Resolute Bay
Isachsen
Eureka
Arctic Bay
Mould Bay
Ostrov Žohova
Ostrov Motel'nyj
Kazač'e
Olenek
Erbogačen
Hatanga
Mys Čeljuskin
Ostrov Uedineniya
Tert
Thule
Clyde
Upernavik
Nord
Danmarkshavn
Barencburg
Hopen
Daneborg
Bjornoya
Ostrov Dikson
Dudinka
Verhne-Imbatskoe
Tazovskoe
Tarko-Sale
Aleksandrovskoe
Russkaja Gaban
Mare-Sale
Malye Karmakuly
Muži
Hanty-Mansijsk
Tabsed
Ust'-Cil'ma
Mys Kanin
Reykjavik
Jan Mayen
Kap Tobin
Thorshavn
Lerwick
Stornoway
Belmullet
Valentia
Scilly
Belfast
Holyhead
Glasgow
Manchester
Liverpool
London
Aberporth
Brest
Cherbourg
Paris
Bordeaux
Santander
La Coruña
Porto
Lisboa
Madrid
Barcelona
Mahón
Alicante
Gibraltar
Oran
Alger
Bône
Tunis
Malta
Casablanca
Agadir
Laghouat
Gabes
Misurata
Ghat
Ouargla
Tamanrasset
Funchal
Lajes
Ponta Delgada
Corvo
Tenerife
Bodø
Oslo
Stockholm
Helsinki
Tallinn
Riga
Vaasa
Ostersund
Mo i Rana
Mosjøen
Mykines
Sodankyla
Murmansk
Arhangel'sk
Ob"jačevo
Nordvik
Rebolsk
Kargopol'
Vologda
Sančursk
Gor'kij
Kirov
Penza
Moskva
Kamyšin
Smolensk
Kursk
Bogučar
Har'kov
Rostov-na-Donu
Minsk
Kiev
Warszawa
Gdańsk
København
Hamburg
Berlin
Hannover
De Bilt
Praha
Czestochowa
Odessa
Simferopol'
Sulina
Tuapse
Inebolu
Istanbul
Sofia
Skopje
Beograd
Zagreb
Klagenfurt
München
Venezia
Milano
Genova
Ancona
Roma
Ajaccio
Brindisi
Larissa
Athinai
Rodos
Heraklion
Mathon
Messina
Malta
Mersa Matruh
El Adem
Benina
Gialo
Tromsø
Jan Mayen
Lokšak
List'-Judoma
Omjakon
Verhojansk
Muhtuja
Olekminsk
Aldan
Tiksi
Ostrov Vrangelja
Ostrov Ajon
Ostrov Medvežij
Ostrov Kotel'nyj
Ostrov Novaja Sibir'
Ostrov Bennett
Ostrov Henrietty
Ostrov Kotel'nyj
Ostrov Faddeevskij
Ostrov Novosibirskie
Ostrov Kotel'nyj
Ostrov Ajon
Ostrov Medvežij
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Ostrov Henrietty
Ostrov Bennett
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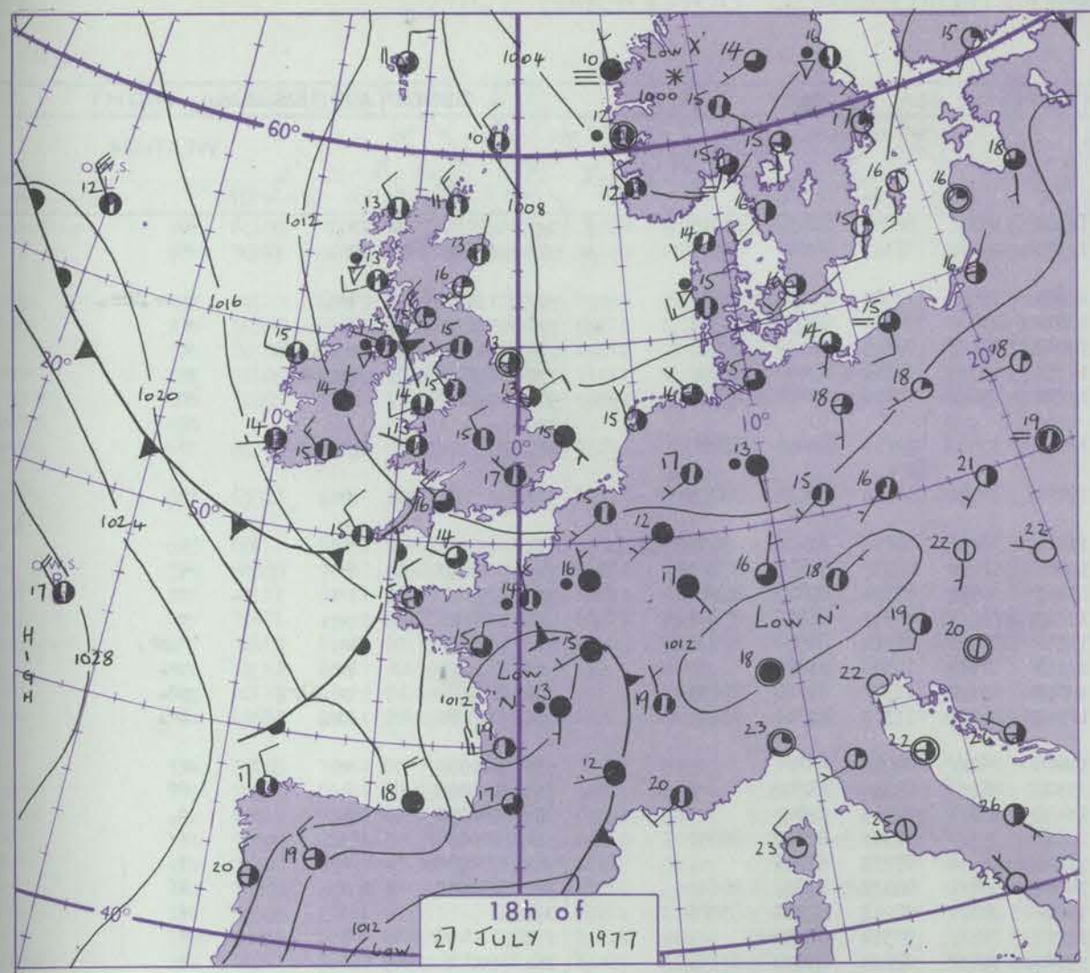
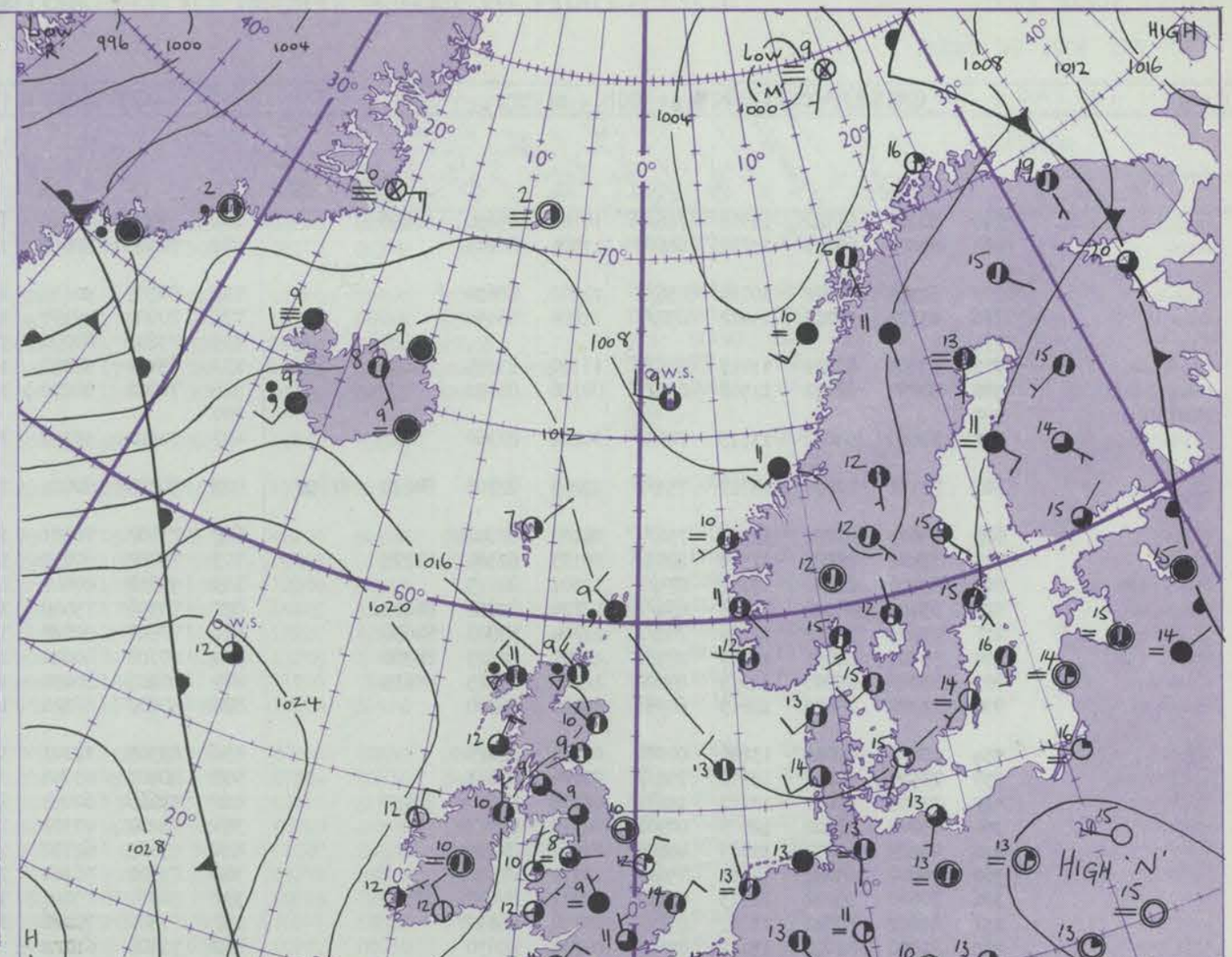
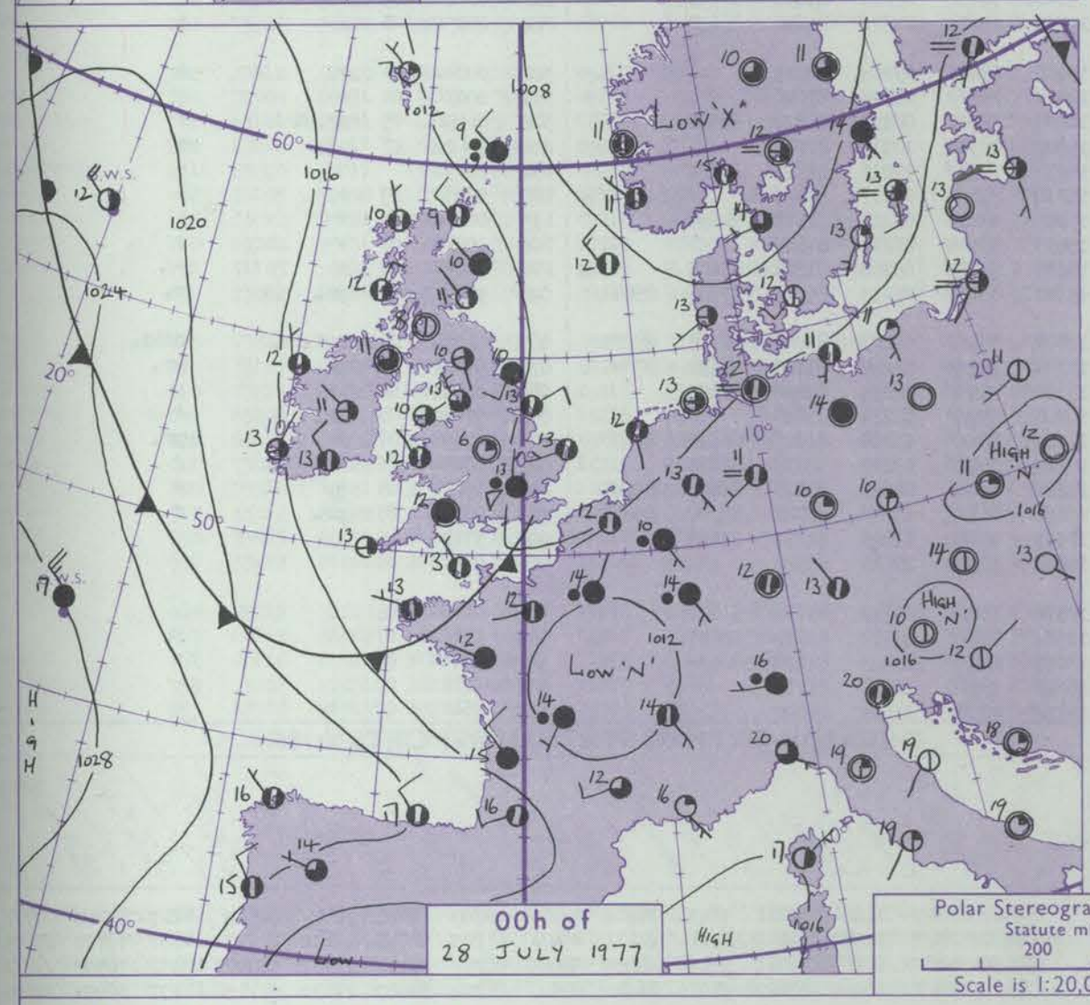
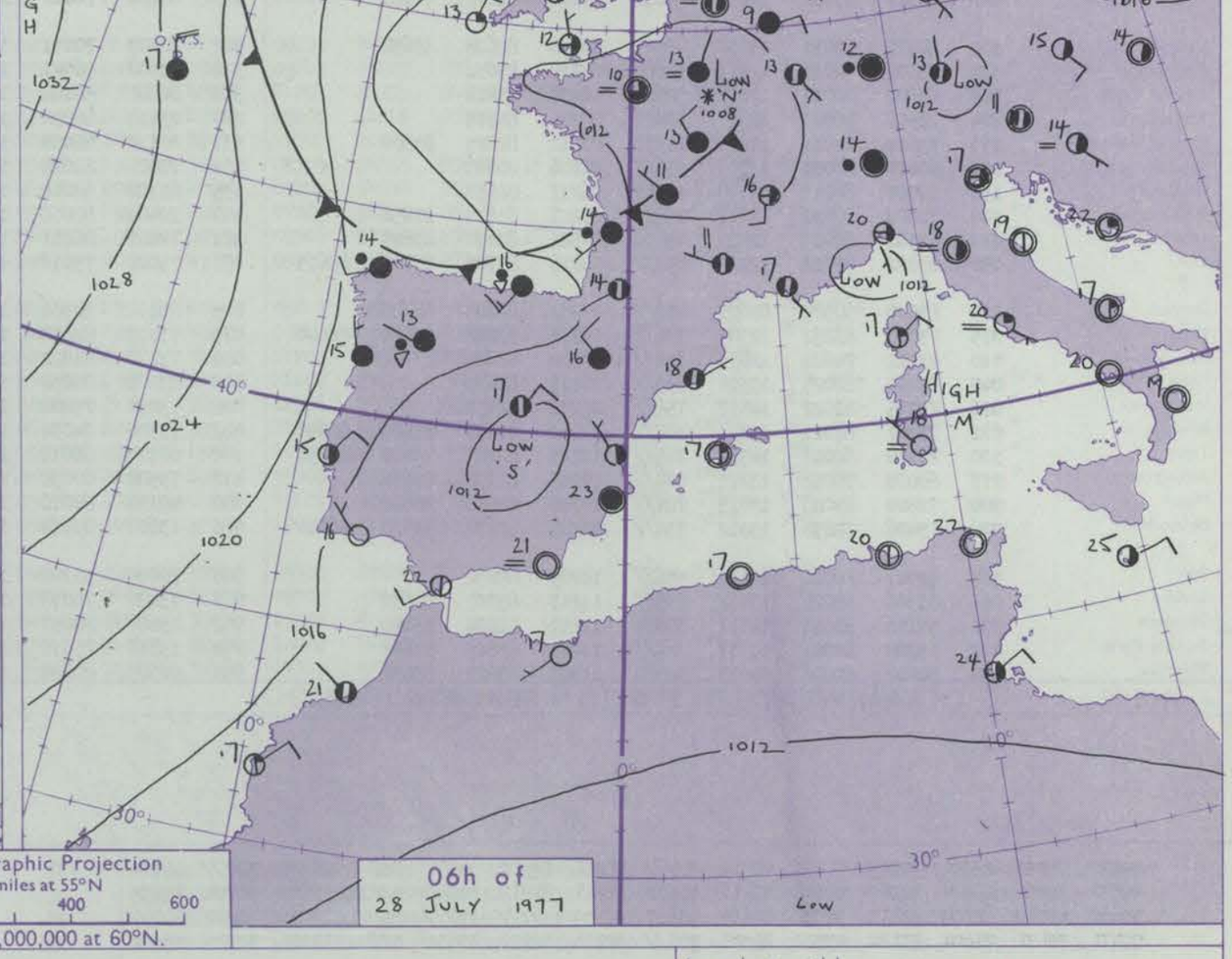
Ostrov Faddeevskij
Ostrov Kotel'nyj







Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.



GENERAL SYNOPTIC DEVELOPMENT

Issued at midday THURSDAY 28 JULY 1977

During the past 24 hours the depression over Scandinavia filled slowly. Pressure remained high over the Azores, maintaining a cool north to northwesterly airstream over the British Isles. A weak frontal trough moved southeast over southern Ireland and southwest England.

During the next 24 hours a ridge is expected to build from the Azores anticyclone to northern Scotland, while a shallow low over France is expected to move slowly east, leaving most of the British Isles under a north to northeasterly airstream.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE *(contd.)*

Code FM 11.V **OBSERVATIONS at 00h.** 28 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	70105	68022	11912	756//	10109	85630	87650	
Hurn	862	63006	65031	11712	65600	11305	86643		
Manston	797	82304	66602	10914	856//	12202	88630		
Gatwick	776	63202	58012	11412	657//	11204	86656		
Kew	775								
Heathrow	772	83605	62802	11913	886//	11110	83835	88656	
Honington	586	80000	62022	11512	856//	08106	88632		
Wattisham	590								
Gorleston	497	72606	64012	11513	7093/	11204	87360		
Aberporth	502	73101	70018	13112	753//	12205	82708	84614	87650
Filton	628	73603	81021	12513	756//	08109	87640		
Rhoose	715	73402	75021	12310	20938	08103	82360	87275	
Hartland Point	703	83206	66808	13112	874//	12301	88715		
Mount Batten	827	63404	70028	12613	684//	11704	82818	86635	
St. Mawgan	817	73405	70028	12713	783//	12704	84809	84650	
Scilly	804	53305	80031	14213	28531	12707	82823	84360	
Culdrose	809	63009	65808	12913	69400	12806	83915	85635	
Guernsey	894	73307	75022	12613	60932	11400	86360		
Elmdon	534	20000	62011	13106	00901	05211	82075		
Cardington	559	73505	64012	12112	756//	09106	87641		
Wittering	462	33005	70011	12110	15631	07208	81640	83075	
Watnall	354	63404	35102	12809	00901	08113	86075		
Shawbury	414	42202	75031	12809	45600	08112	84638		
Finningley	360	73602	65022	12611	756//	10112	87640		
Spurn Point	396	70609	66022	12913	4567/	09211	84640	87360	
Leeming	257	81602	75042	13011	857//	09114	88650		
Tynemouth	262	81806	81022	13412	856//	09214	88630		
Carlisle	222	51602	81022	12210	25632	09214	82648	84080	
Valley	302	50602	75031	13010	45501	09106	82628	83650	
Ringway	334	53102	62031	12911	55602	09210	85632		
Squires Gate	318	63306	80031	12613	52401	10109	85816		
Ronaldsway	204	23508	86011	12911	18401	08209	81815		
Mull of Galloway	131	33614	82011	13211	21530	09212	82825	83360	
Eskdalemuir	162	60000	80031	13108	656//	07216	86645		
Prestwick	135	10000	80011	13108	15702	06217	81656		
Abbotsinch	140	72403	80031	12710	756//	09218	81635	87656	
Leuchars	171	43102	86011	12511	45600	09222	82630	83645	
Dyce	091	83102	75032	12710	853//	09218	81706	83710	88613
Lerwick	005	83110	50585	09609	872//	09212	84705	88709	
Wick	075	73008	81252	12309	784//	06214	83818	85624	86640
Sule Skerry	010	83212	74022	12610	855//	07214	88625		
Cape Wrath	049	83209	82028	13309	855//	06215	88620		
Stornoway	026	73405	81022	14610	756//	07219	87630		
Benbecula	022	73507	82021	15111	784//	09222	81818	85625	87640
Tiree	100	70110	82018	14512	785//	11223	82820	83629	87650
Aldergrove	917	60000	70018	13711	684//	10213	82818	86634	
Malin	980	72809	84028	13813	784//	10310	81818	86622	
Belmullet	976	73406	72038	15312	734//	12218	81718	81920	86640
Birr	965	52901	66016	14111	556//	10205	85632		
Dublin	969	83306	65028	13412	853//	11213	85707	88630	
Shannon	962	33102	82018	14511	38500	11210	81824	83640	
Roches Point	952	73208	80022	13813	784//	11003	83818	87637	
Valentia	953	50202	60028	14613	58500	11307	83822	83630	

OBSERVATIONS at 06h. 28 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	33506	62011	13209	15731	06212	81656	83075	
862	70105	57051	12711	48681	09311	82840	83645	
797	80203	50616	11614	855//	13309	85624	88650	
776	70000	59101	12608	25882	08311	82657	86075	
775	73602	60026	12812	756//	08305	82630	87656	
772	63404	59058	12711	65600	09311	83635	85656	
586	70202	56032	12712	752//	10310	81704	87640	
590								
497	70310	56152	12914	5362/	12211	85930	86460	
502	50305	80011	15012	48501	11316	82820	83075	
628	73607	70031	13811	38432	08212	81816	83635	87075
715	73002	80032	14009	12436	08316	81815	87275	
703	50812	84028	13813	21551	10314	82825	84360	
827	70306	75028	13213	755//	09312	81625	87642	
817	70507	82028	13512	784//	10310	81810	87645	
804	20108	80018	14113	12530	12306	81821		
809	60209	80039	13012	69430	11307	81916	85635	
894	53507	80026	12212	26332	11303	82709	83358	
534	83305	12101	14409	860//	09216	88701		
559	80403	03444	13309	861//	09310	88702		
462	53606	60011	13610	38431	09315	82812		
354	70204	40102	14610	753//	10315	82709	86650	
414	23602	62100	14408	28431	07213	81818		
360	73502	56104	14909	656/2	08317	81630	86645	
396	30208	75021	14612	20971	08212	82360	83075	
257	71302	70042	15211	757//	09314	87650		
262	72708	61022	15110	3563/	08214	83630	87358	
222	61702	70011	15309	656//	08320	81630	86650	
302	20103	70031	15610	28401	09218	82815		
334	73602	56041	14810	756//	09314	87640		
318	60802	58108	14808	38501	08218	81820	83650	
204	23411	86030	15012	18302	10315	81708		
131	60112	82031	15611	1853/	10216	81820	86360	
162	70000	81022	15710	756//	07117	87645		
135	61102	68011	16009	48402	08218	81818	84650	
140	22402	82011	15609	28501	07217	81822		
171	72402	86011	15609	58532	08218	81825	85645	
091	73007	75018	15110	684/2	07213	81710	83820	85627
005	83112	30506	11709	851//	09213	83702	86705	88614
075	73113	82808	14709	785//	07215	83820	84632	87645
010	73217	81022	15110	785//	08214	84820	87625	
049	83208	80032	16210	855//	08214	88620		
026	73010	75808	17111	784//	11210	81710	86822	87630
022	73308	84031	18311	784//	09215	82818	87635	
100	60114	86031	18212	684//	08320	81818	83628	85645
917	73504	60038	16610	651/1	10220	82702	85704	85630
980	40114	88016	17513	48402	11223	81714	83645	
976	13608	80018	19012	18500	10218	81820		
965	70000	59102	17310	754//	09219	83712	87632	
969	73406	70038	16511	784//	10219	81818	86635	
962	63609	80031	18012	654//	11223	81710	86635	
952	13310	75011	16512	18400	10218	81715		
953	40505	80028	18112	42500	11224	84822		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00070	04	+	+
862	00090	07	+	+
797	10131	12	ir.	r.rr.Rrr.
776	00080	04	+	+
775	91110	09	r.r.	+
772	95110	09	pr.pr	+
586	00110	07	+	+
590				
497				
502	97111	06	ir.	+
628	00090	02	+	+
715	00080	04	+	+
703	08121	10		
827	91120	09	pr.	+
817	92111	09	r.	r.pr.
804	9612/	06	pr.	pr.
809	94111	10	pr.tlr.	pr.
894	97110	09	ir.	ir.
534	00050	00	+	+
559	00050	00	+	ff
462	00080	06	+	+
354	00080	05	+	+
414	00050	51	+	+
360	00080	04	+	if
396			+	+
257	00100	09	+	+
262	00101	09	+	+
222	00070	03	+	+
302	00080	06	+	+
334	00081	04	+	+
318	01071	05	pr.pR	+
204	00100	07	+	+
131	00090			
162	00081	05	+	+
135	00060	02	+	+
140	00080	02	+	+
171	00071	04	+	+
091	97091	04	pr.	r.
005	01081	08	d.d.ir.	ddid.
075	97091	05	pr.	pr.
010	00080	08		
049	97080	08	pr.	+
026	97091	07	+	pr.
022	00081	03	+	+
100	00111	08	jp	+
917	92091	05	pr.	f
980	9712	10		
976	9711	09		
965	0110	08		
969	0110	07		
962	9110	06		
952	9711	09		
953	0611	07		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	28001	92009	91475	22814	9////	00001	89/02	/////	00214	11301	3////	///04
L	99571	70202	28004	43019	98018	23111	48430	71321	81818	84640	0//08	11278	30704	25805
M	99660	10019	28004	83110	97022	04609	45567	00209	/////	/////	05206	11024	30302	/////
R	99471	70171	28004	83124	97022	28016	785//	00806	82820	87630	0//14	11726	30505	35904

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	28061	92111	92436	21814	9////	00708	89/02	/////	00515	11217	3//05	/////
L	99570	70205	28064	62810	98011	24111	45431	61205	81716	84630	0//07	11307	30703	25805
M	99659	10019	28064	72810	97158	06809	59460	00211	/////	/////	05207	11032	30302	/////
R	99471	70171	28064	83422	97035	26916	885//	00304	84820	87630	0//15	11737	30904	31605

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42253

Date of Issue FRIDAY 29 JULY 1977

Code FM 11.V **OBSERVATIONS at 12h.** 28 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	60608	72021	15317	48532	08209	83828	85075	
Hurn	862	50211	80011	15019	42602	11109	84830		
Manston	797	70114	65029	14817	12472	13216	81710	87072	
Gatwick	776	50308	64011	14919	38601	09210	83840	83075	
Kew	775	70306	62022	15717	785//	09210	81828	87650	
Heathrow	772	70409	63022	15617	48537	11111	81825	84650	86360
Honington	586	70209	80032	16016	3853/	09214	83822	86360	
Wattisham	590								
Gorleston	497	80316	60022	16514	855//	13216	88625		
Aberporth	502	63512	82031	18614	48502	12219	84822	84075	
Filton	628	60111	65031	16517	625//	10113	86825		
Rhoose	715	50306	70012	16618	48631	11212	83830		
Hartland Point	703	40111	82011	17715	38605	10219	81835	83650	
Mount Batten	827	70411	75022	16417	785//	07213	83828	87650	
St. Mawgan	817	20113	84021	17217	18532	09218	81825		
Scilly	804	10512	80011	18917	12500	14225	81821		
Culdrose	809	20117	80018	16917	21501	09117	82820		
Guernsey	894	13613	74011	14816	11630	11213	81830		
Elmdon	534	50108	70011	17116	58601	07111	83830		
Cardington	559	70810	66014	16516	785//	09113	83820	87650	
Wittering	462	40412	83021	16817	21631	07212	82835	83075	
Watnall	354	50308	82031	17317	48601	06210	83840	83656	85075
Shawbury	414	70302	65041	17616	785//	11113	84820	87640	
Finningley	360	70204	84022	17518	58632	07211	83838	83650	85075
Spurn Point	396	50608	80031	18117	125/1	07214	81820	85075	
Leeming	257	70209	60042	18316	785//	10114	84822	86650	
Tynemouth	262	70211	81022	19213	35678	11221	83630	86358	
Carlisle	222	73505	85022	18215	785//	09214	81825	84640	87656
Valley	302	23612	82020	19017	22401	09217	82818		
Ringway	334	72904	66031	17817	785//	08212	82825	87650	
Squires Gate	318	63111	78031	18218	58501	12215	81822	85650	
Ronaldsway	204	43414	86011	19016	28402	09221	81818		
Mull of Galloway	131	23220	85011	19215	22500	08217	82825		
Eskdalemuir	162	70105	82038	18315	68632	07114	85830	84656	
Prestwick	135	33012	89031	19017	28541	08214	81828	83080	
Abbotsinch	140	63304	89031	18718	2867/	07213	82830	85365	
Leuchars	171	71105	89022	19015	38532	07216	81825	83645	85360
Dyce	091	73012	84026	18113	6847/	08214	86818	87360	
Lerwick	005	73313	75205	15612	783//	09220	82708	84812	87630
Wick	075	73117	84028	18011	5847/	08217	84818	84635	87462
Sule Skerry	010	73214	81022	18412	785//	09215	83820	87625	
Cape Wrath	049	63208	80012	19411	684//	10216	82815	86620	
Stornoway	026	63412	82018	20215	68400	09113	82818	85630	
Benbecula	022	73012	86022	21414	785//	10216	81823	87635	
Tiree	100	73314	89151	21514	784//	10214	82818	87640	
Aldergrove	917	53312	84022	20615	51400	07217	81818	84822	
Malin	980	23413	89038	21715	28500	08216	81820		
Belmullet	976	53412	81011	22915	485/2	11216	84821		
Birr	965	70212	82028	21116	785//	10218	84821	87638	
Dublin	969	60112	86022	19818	685//	09217	84820	85635	
Shannon	962	70110	84021	21117	785//	11215	85822	86635	
Roches Point	952	73307	82031	20716	725//	11219	87821		
Valentia	953	43310	86018	22216	48500	12219	83825		

OBSERVATIONS at 18h. 28 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	60310	77012	17317	686/1	06209	81830	86657	
Hurn	862	50408	70018	17117	30931	08212	83360	83075	
Manston	797	70215	62038	16715	3247/	12310	83810	87360	
Gatwick	776	83606	58252	17414	6562/	11214	86645	88460	
Kew	775	71005	62022	17916	786//	11212	82830	87656	
Heathrow	772	70408	65028	17517	786//	11209	81830	84645	87656
Honington	586	50210	82012	18215	38602	07312	82835	83075	
Wattisham	590								
Gorleston	497	50220	66022	18415	525//	10206	85825		
Aberporth	502	23514	86011	20215	18532	11308	81825		
Filton	628	60407	78031	18117	685//	08209	81828	84645	
Rhoose	715	70307	78022	18217	786//	07207	81835	87650	
Hartland Point	703	23615	82011	18815	12630	12204	81835		
Mount Batten	827	60112	65031	17519	58601	10208	83840		
St. Mawgan	817	13617	82010	18816	11401	12207	81816		
Scilly	804	10113	80020	20416	12501	13205	81825		
Culdrose	809	10118	80010	18616	11501	11206	81820		
Guernsey	894	10110	65020	16416	19602	10209	81930		
Elmdon	534	70406	70032	18817	786//	06208	81835	87650	
Cardington	559	40611	82011	18417	22631	07309	82830	84078	
Wittering	462	20613	84011	19116	18602	07212	81835		
Watnall	354	70406	84012	19316	48671	08209	81840	83650	87363
Shawbury	414	73310	70028	19316	5456/	11207	83822	84650	87359
Finningley	360	70308	75022	19515	786//	07312	82840	87656	
Spurn Point	396	70000	75031	20014	785//	09209	82820	87630	
Leeming	257	70310	75022	20813	785//	06311	82828	87656	
Tynemouth	262	60104	81022	21113	656//	09207	86630		
Carlisle	222	71105	83022	19915	786//	10310	81835	83645	87656
Valley	302	23315	82020	21015	11582	09209	81825		
Ringway	334	73310	72022	19716	78532	09210	81825	87640	
Squires Gate	318	73312	78021	19716	48632	11208	81830	84650	85360
Ronaldsway	204	43418	82030	20215	18431	09203	81816	83362	
Mull of Galloway	131	33623	82030	20515	28530	11307	81825		
Eskdalemuir	162	70903	83022	19815	3867/	08309	81835	83650	86365
Prestwick	135	53117	86021	20016	28631	09208	81832	83365	
Abbotsinch	140	73009	89021	19619	2863/	07203	81835	86362	
Leuchars	171	70000	86028	19615	4853/	09306	82825	83650	87362
Dyce	091	73206	84022	20013	4557/	08210	81620	87359	
Lerwick	005	63311	80022	17910	684//	08210	83811	84623	85640
Wick	075	73214	86022	19912	4847/	09210	82818	83640	87362
Sule Skerry	010	70000	82032	20213	785//	11204	82820	87625	
Cape Wrath	049	63210	83028	20912	684//	11207	83815	86625	
Stornoway	026	73212	82022	21714	785//	12306	84820	87630	
Benbecula	022	73010	86022	22914	785//	11205	81820	87640	
Tiree	100	63314	89031	22815	18506	11304	81826	85072	
Aldergrove	917	63612	84021	22314	685//	09307	83820	85630	
Malin	980	73214	89031	23214	685/2	10104	82820	85645	
Belmullet	976	43308	85018	24615	38502	10307	81820	83640	
Birr	965	23512	84011	22217	22500	09306	82824		
Dublin	969	30113	88011	21616	38500	08309	83828		
Shannon	962	33512	84018	22718	38600	10303	82830		
Roches Point	952	23111	83011	21519	28400	10202	81818		
Valentia	953	30110	86020	24117	32500	11310	83826		

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00180	083	+	+
Hurn	862	97200	065	pr.	+
Manston	797	97181	040	r.r.-tl.	pr.
Gatwick	776	97190	036	+	pr.
Kew	775	00190	014	+	+
Heathrow	772	97190	006	pr.	+
Honington	586	00180	024	+	+
Wattisham	590				
Gorleston	497		012		
Aberporth	502	00161	113	+	+
Filton	628	00200	068	+	+
Rhoose	715	00200	046	+	+
Hartland Point	703	00160	130		
Mount Batten	827	00200	115	+	+
St. Mawgan	817	00181	124	+	+
Scilly	804	00180	127	+	+
Culdrose	809	00170	096	+	+
Guernsey	894	00170	087	+	+
Elmdon	534	00180	038	+	+
Cardington	559	00190	062	+	+
Wittering	462	00180	111	+	+
Watnall	354	00180	037	+	+
Shawbury	414	97180	035	+	pr.
Finningley	360	97190	032	+	pr.
Spurn Point	396			+	+
Leeming	257	00160	003	+	+
Tynemouth	262	00140	028	+	+
Carlisle	222	00180	029	+	+
Valley	302	00190	143	+	+
Ringway	334	00171	015	+	+
Squires Gate	318	00190	084	+	+
Ronaldsway	204	00180	128	+	+
Mull of Galloway	131	00170			
Eskdalemuir	162	97161	039	pr.	tl.
Prestwick	135	00180	127	+	+
Abbotsinch	140	00200	106	+	+
Leuchars	171	97161	034	+	pr.
Dyce	091	00151	004	+	+
Lerwick	005	97121	003	id.	+
Wick	075	00121	001	+	+
Sule Skerry	010	00140			
Cape Wrath	049	97131	032	pr.	pr.
Stornoway	026	00151	018	+	+
Benbecula	022	00151	004	+	+
Tiree	100	00161	091	jp	+
Aldergrove	917	00171	106	+	+
Malin	980	9716	092		
Belmullet	976	9217	090		
Birr	965	9719	069		
Dublin	969	0018	095		
Shannon	962	9719	057		
Roches Point	952	0019	086		
Valentia	953	9118	101		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 12h.**

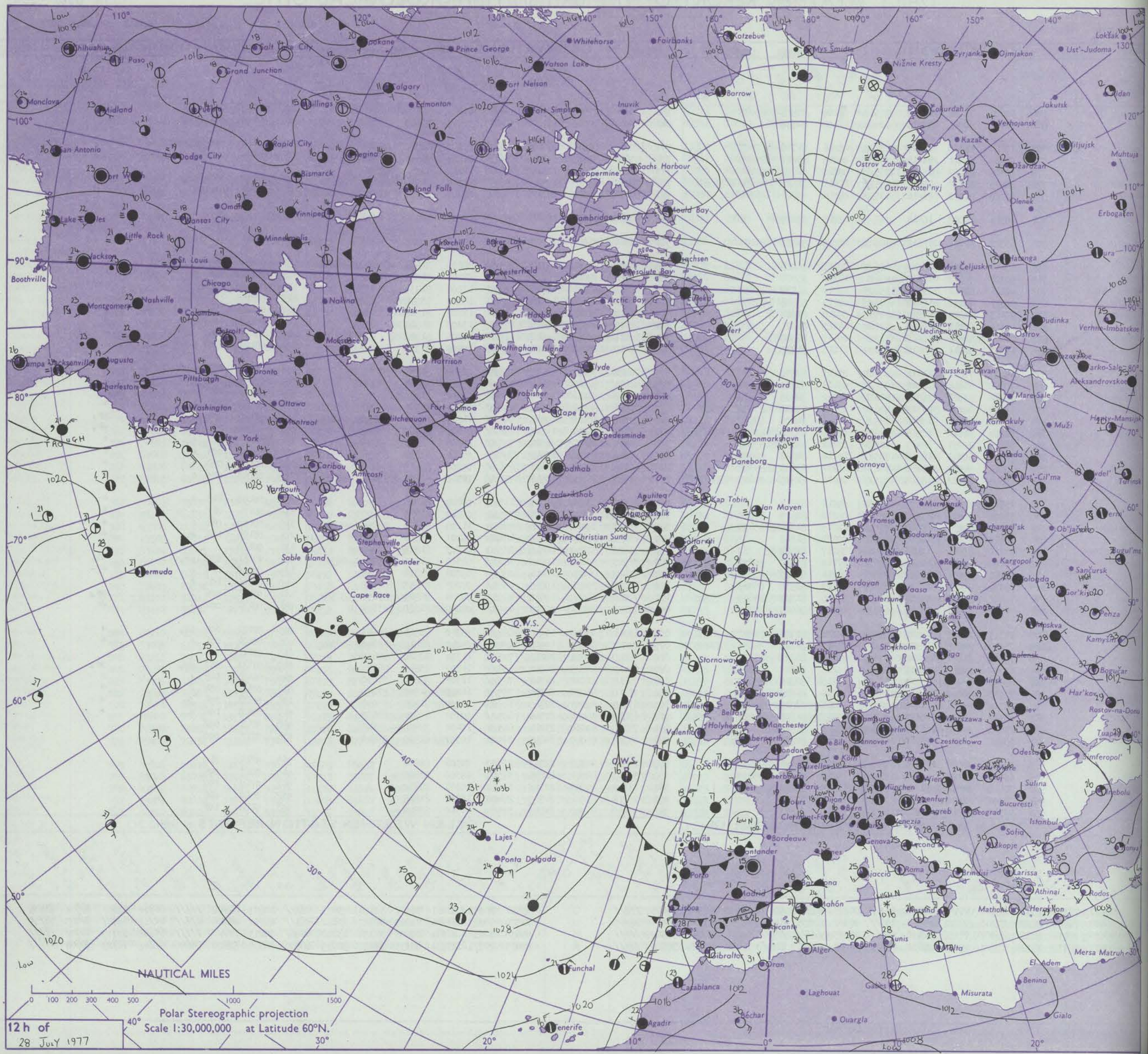
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	28121	92108	91454	22714	9////	00109	89/01	/////	00214	11302	30605	/////
L	99569	70205	28124	72216	98022	25212	756//	00302	87635	/////	0//09	11312	30404	99/05
M	99659	10018	28124	83107	97158	10610	6946/	00223	/////	/////	05108	11041	30302	/////
R	99472	70172	28124	73621	97016	28716	785//	00007	81820	87646	0//12	11724	30705	/////

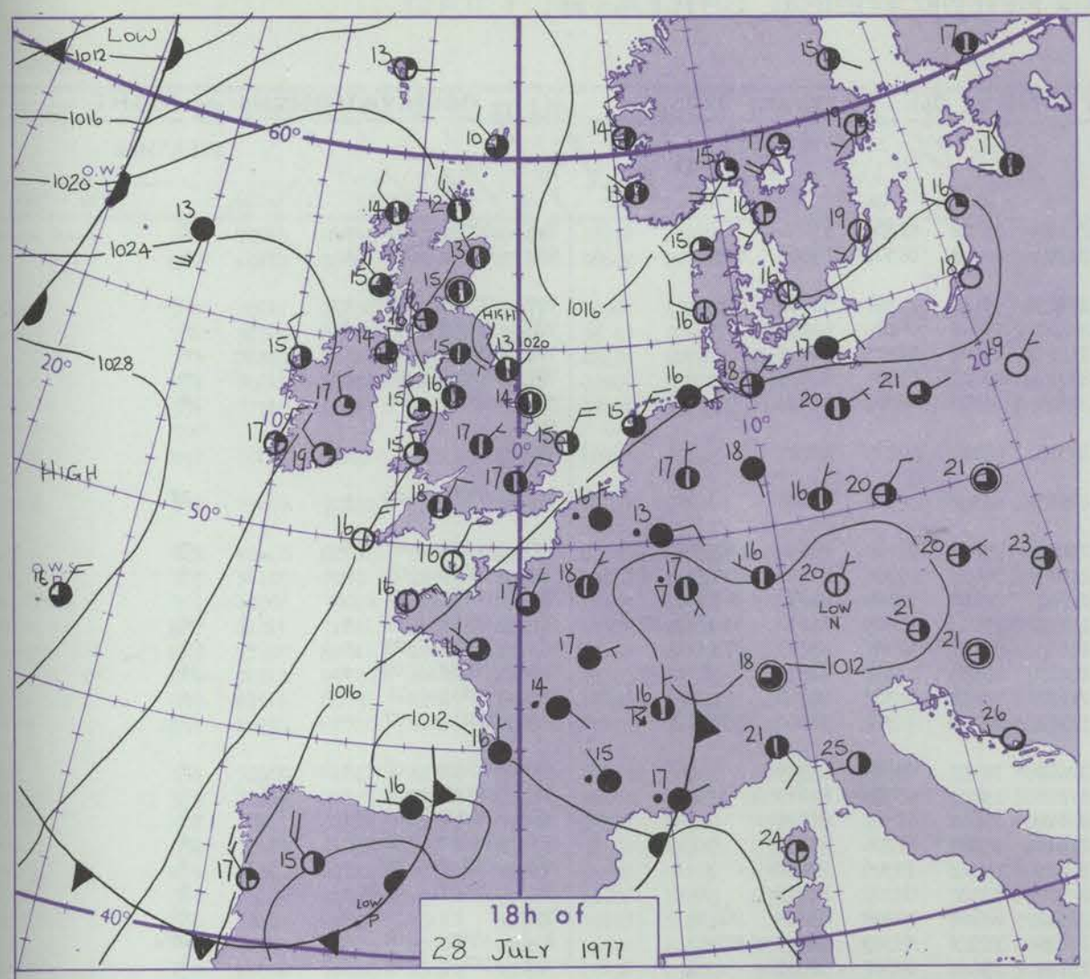
OCEAN WEATHER STATION REPORTS at 18h.

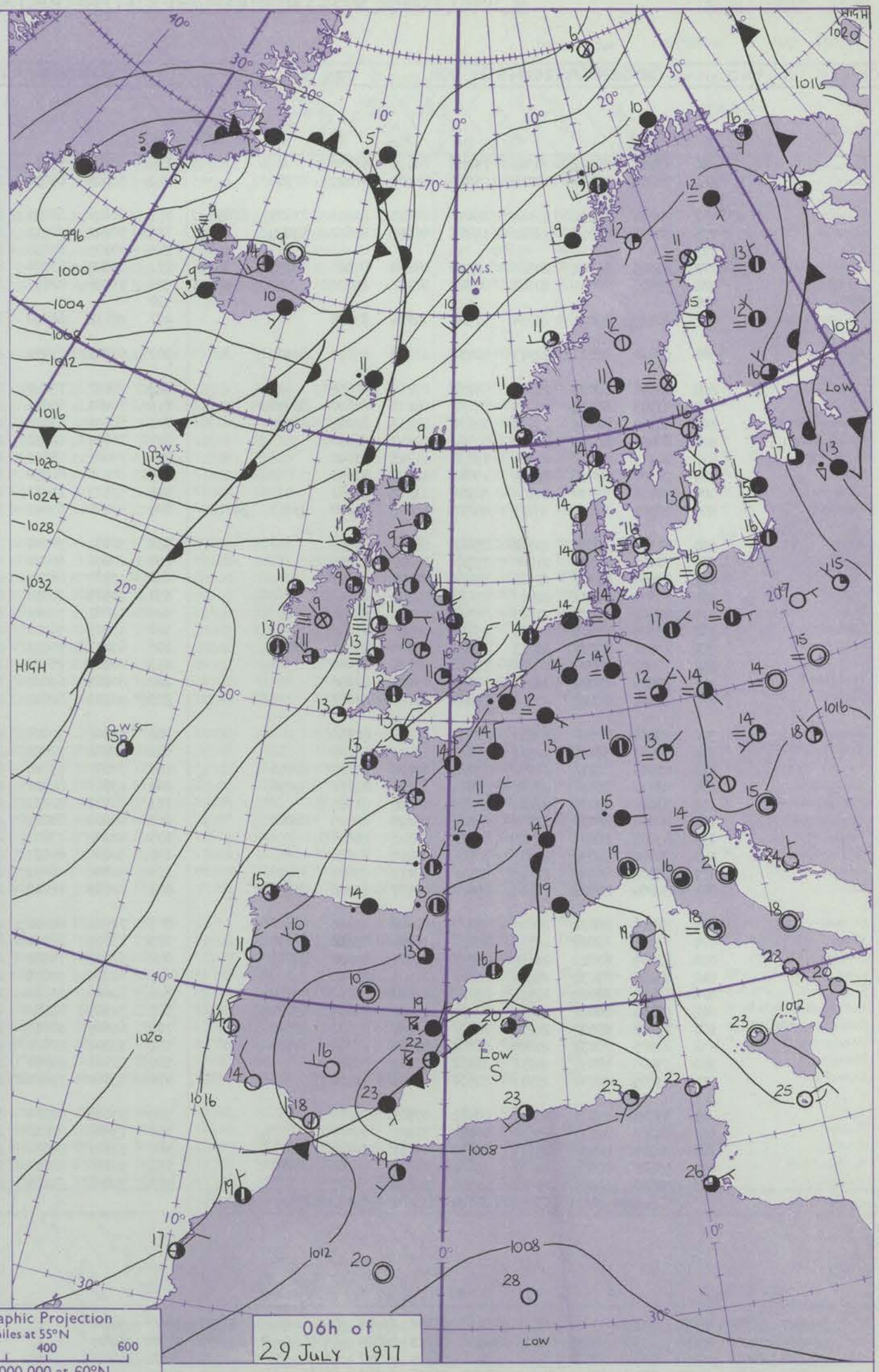
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	28181	92107	92454	23913	9////	00503	89/02	/////	00314	11237	30302	22005
L	99570	70203	28184	81923	97032	21612	863//	41721	88706	/////	0//12	11307	30505	99/05
M	99658	10018	28184	83008	97158	13210	6946/	00213	/////	/////	05108	11115	30302	/////
R	99471	70171	28184	60115	97031	30015	68500	00305	82820	85640	0//12	11729	30704	/////

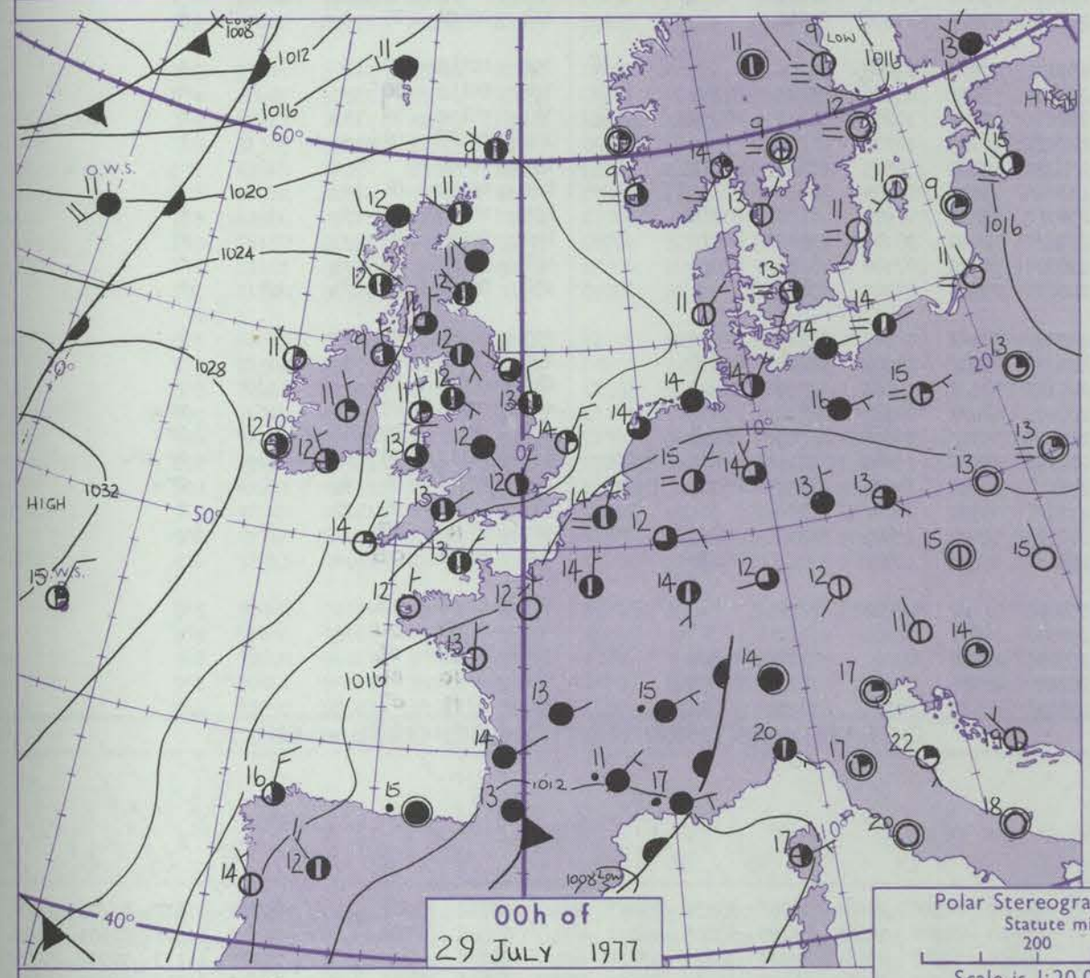
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday FRIDAY 29 JULY 1977

A complex low pressure area has persisted over France and Spain. The Azores anticyclone has been almost stationary while the associated ridge of high pressure towards north Scotland has built and moved a little southeastwards. A complex depression has developed in the Denmark Strait. During the next 24 hours low pressure will persist over France and the low in the Denmark Strait will move northeast. The Azores anticyclone will show little change but the ridge of high pressure over the British Isles will continue to move slowly south allowing Atlantic frontal troughs to cross northern and some western districts.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (contd.)

Code FM 11.V

OBSERVATIONS at 00h. 29 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	73605	70022	20311	757//	06110	87650		
Hurn	862	70205	70031	19912	2567/	08109	82645	87362	
Manston	797	70214	70022	18414	784//	10103	81813	83625	87656
Gatwick	776	30206	62011	19812	15801	09109	81657	83075	
Kew	775								
Heathrow	772	40105	65018	20512	10932	09210	81362	84075	
Honington	586	53406	70011	20509	00902	07207	85072		
Wattisham	590								
Gorleston	497	30215	66021	20214	32500	10204	83825		
Aberporth	502	63610	86031	22513	51430	11108	85811	84363	
Filton	628	70506	62022	21114	757//	09211	87656		
Rhoose	715	83503	66032	20913	856//	08110	84640	88656	
Hartland Point	703	60108	87021	21414	22630	12213	82835	86360	
Mount Batten	827	60406	68031	20814	6095/	09212	86360		
St. Mawgan	817	20111	82020	21614	15630	11213	81640		
Scilly	804	20107	80030	22614	15630	12209	81635		
Culdrose	809	30211	75030	21313	30931	11212	83362		
Guernsey	894	70307	62021	18813	45772	11207	84650	83363	86075
Elmdon	534	81301	72032	21612	856//	08109	88643		
Cardington	559	70902	73031	21208	757//	08109	87656		
Wittering	462	73404	82021	21512	756//	07108	87642		
Watnall	354	73301	70012	22011	757//	09304	87650		
Shawbury	414	83302	65022	21713	857//	11211	88656		
Finningley	360	13505	81018	21911	15740	09307	81656		
Spurn Point	396	73510	80022	21713	784//	08206	81815	87635	
Leeming	257	72602	70022	22410	757//	08104	87650		
Tynemouth	262	70000	69022	22812	7093/	09208	87358		
Carlisle	222	71404	65022	21612	758//	09106	87657		
Valley	302	23406	70010	22711	20931	11208	82362		
Ringway	334	70603	57022	22312	756//	10211	87645		
Squires Gate	318	71005	68012	22112	756//	10108	81635	87656	
Ronaldsway	204	53414	86011	22012	55401	10306	81712	84656	
Mull of Galloway	131	33618	82010	22411	15532	10208	81625		
Eskdalemuir	162	80000	80029	22509	885//	09210	82825	86640	
Prestwick	135	63605	86031	22511	657//	09311	86650		
Abbotsinch	140	30000	82031	22509	35701	08215	83656		
Leuchars	171	73002	86038	22412	5557/	09211	85628	87359	
Dyce	091	82804	84022	21711	854//	09107	83618	88656	
Lerwick	005	72806	80022	20009	784//	09206	81810	86622	
Wick	075	72906	82022	21311	784//	10106	83818	87630	
Sule Skerry	010	83405	81022	21212	885//	11001	83820	88625	
Cape Wrath	049	83207	81032	21812	856//	11103	88630		
Stornoway	026	82708	82022	22512	854//	11001	82710	88630	
Benbecula	022	52706	84012	23312	28432	11602	81816	83075	
Tiree	100	73108	89012	24212	785//	11204	81820	87650	
Aldergrove	917	43503	70031	24209	16302	08105	81708	84070	
Malin	980	33409	89011	24312	18432	10202	81818		
Belmullet	976	33205	82011	25911	38500	10205	81820		
Birr	965	33506	81011	25011	00902	09309	83070		
Dublin	969	43007	82031	23810	00902	07108	84070		
Shannon	962	30203	82030	25511	15732	09111	81650		
Roches Point	952	53305	85011	24912	15604	09218	81640	85072	
Valentia	953	50000	84031	26012	42530	10210	84823		

OBSERVATIONS at 06h. 29 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	30105	75011	21110	35700	07308	83656		
Hurn	862	53606	65031	20810	40972	08307	83360	83364	
Manston	797	60116	80022	18513	58430	11204	81710	84815	
Gatwick	776	10202	67010	20210	15842	08105	81657		
Kew	775	10205	68030	21111	15601	09305	81635		
Heathrow	772	23605	62020	20911	00902	09205	82075		
Honington	586	13306	82021	20609	18500	08305	81820		
Wattisham	590								
Gorleston	497	20117	66020	20313	22500	10205	82825		
Aberporth	502	63609	75401	22513	683//	12103	86808		
Filton	628	70407	75012	22013	5573/	07210	85656	86359	
Rhoose	715	70403	65022	21512	3843/	09306	81818	83650	87358
Hartland Point	703	60205	83022	21713	22630	12303	82835	86360	
Mount Batten	827	70000	62022	21213	1567/	10205	81630	83359	87360
St. Mawgan	817	73602	80031	21713	3637/	12301	83709	87360	
Scilly	804	20106	80030	23213	12530	12302	81825		
Culdrose	809	53613	75031	21612	50930	11303	85360		
Guernsey	894	40209	63021	19413	20932	11302	82360	83075	
Elmdon	534	30102	50041	22610	30930	09208	83359		
Cardington	559	20406	60021	21710	15401	08305	81615		
Wittering	462	13508	66021	22010	15601	08307	81645		
Watnall	354	23503	57051	22510	15630	07206	81635		
Shawbury	414	72802	57042	22411	757//	10306	87656		
Finningley	360	43305	56041	22510	38540	08209	81825		
Spurn Point	396	63413	75031	22111	68400	09208	83815	86630	
Leeming	257	70000	75022	22810	785//	08303	82825	87650	
Tynemouth	262	80205	69022	23112	856//	09307	88630		
Carlisle	222	40102	60011	22411	15771	09206	81656		
Valley	302	33506	50401	23011	26330	11205	82706		
Ringway	334	70902	57022	22712	5563/	08206	85645	87359	
Squires Gate	318	70903	63016	22611	1573/	10206	81650	87359	
Ronaldsway	204	23609	84021	22412	16332	10106	81709		
Mull of Galloway	131	50103	82031	22812	15504	10305	81625	84072	
Eskdalemuir	162	40000	80021	23307	25702	06304	82650		
Prestwick	135	41202	83011	23407	15732	07109	81650	83075	
Abbotsinch	140	50000	86021	23007	11434	06106	81818	84075	
Leuchars	171	52308	86031	22609	30932	07109	83359	83075	
Dyce	091	72603	86022	22011	755//	09205	87628		
Lerwick	005	72606	84022	20309	784//	07105	81815	87622	
Wick	075	72605	86022	21311	6843/	10101	81818	86636	
Sule Skerry	010	82710	74022	20712	885//	11703	82820	88625	
Cape Wrath	049	62714	82012	20611	4847/	09304	82812	86360	
Stornoway	026	72206	81022	21511	6531/	11606	81708	86630	
Benbecula	022	72308	83602	21913	4547/	11606	81711	84615	87460
Tiree	100	62605	88011	23311	18432	11704	81812	83362	85070
Aldergrove	917	33204	80020	24109	25331	08002	81708		
Malin	980	72907	89031	24012	52432	11601	81715	85818	
Belmullet	976	62002	72284	25411	684//	11602	81717	85638	
Birr	965	93001	02474	25209	9////	08201	89/03		
Dublin	969	13009	82020	23909	18501	07104	81820		
Shannon	962	53601	84031	25509	18432	09201	81710	85359	
Roches Point	952	53108	81011	25111	48430	08305	81818	84643	
Valentia	953	70000	84021	25613	785//	10101	83823	87635	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00090	07	+	+
Hurn	862	00070	05	+	+
Manston	797	97131	12	+	pr.
Gatwick	776	00090	07	+	+
Kew	775	00090	03	+	+
Heathrow	772	97090	05	pr.	+
Honington	586	00070	04	+	+
Wattisham	590				
Gorleston	497				
Aberporth	502	00110	08	+	jf
Filton	628	00120	07	+	+
Rhoose	715	00120	09	+	+
Hartland Point	703	00130	11		
Mount Batten	827	00120	08	+	+
St. Mawgan	817	00121	09	+	+
Scilly	804	00130	09	+	+
Culdrose	809	00110	11	+	+
Guernsey	894	00120	07	+	+
Elmdon	534	00070	02	+	+
Cardington	559	00070	02	+	+
Wittering	462	00080	06	+	+
Watnall	354	00080	02	+	+
Shawbury	414	00100	09	+	+
Finningley	360	00080	03	+	+
Spurn Point	396			+	+
Leeming	257	97090	04	+	pr.
Tynemouth	262	00120	08	+	+
Carlisle	222	00100	07	+	+
Valley	302	00110	07	+	+
Ringway	334	00110	09	+	+
Squires Gate	318	97100	09	r.	+
Ronaldsway	204	00110	08	+	+
Mull of Galloway	131	00090			
Eskdalemuir	162	00050	01	+	+
Prestwick	135	00050	01	+	+
Abbotsinch	140	00060	02	+	+
Leuchars	171	00080	04	+	+
Dyce	091	00101	09	+	+
Lerwick	005	00081	08	+	+
Wick	075	00101	09	+	+
Sule Skerry	010	00100	10		
Cape Wrath	049	97101	10	+	pr.
Stornoway	026	91101	09	+	ir.
Benbecula	022	91111	09	+	ir.pr.
Tiree	100	97091	06	+	pr.
Aldergrove	917	00071	00	+	+
Malin	980	9711	07		
Belmullet	976	9707	05		
Birr	965	9707	03		
Dublin	969	0007	04		
Shannon	962	9709	06		
Roches Point	952	9710	06		
Valentia	953	9711	07		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	99LaLaLa	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_svsapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	29001	92009	91624	23014	9////	00802	89/01	/////	00214	11310	3////	///06
L	99568	70200	29004	82220	96025	20013	862//	00613	88705	/////	0//13	11299	30505	99/05
M	99658	10017	29004	82605	97022	14608	854//	00104	/////	/////	05606	11123	30302	/////
R	99472	70171	29004	30112	97021	31615	38500	00106	81820	/////	0//12	11725	30704	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	99LaLaLa	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_svsapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	29061	91907	91536	21813	9////	00712	89/01	/////	00114	11317	3//02	///05
L	99569	70200	29064	82720	93505	18512	872//	71506	88704	/////	0//13	11307	30603	99/04
M	99658	10017	29064	82313	97022	13710	854//	00709	/////	/////	05207	11113	30302	/////
R	99472	70170	29064	40108	98020	30615	48501	00606	81820	83640	0//12	11715	30703	/////

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42254

Date of Issue SATURDAY 30 JULY 1977

Code FM 11.V **OBSERVATIONS at 12h.** 29 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	40213	84030	21018	41600	05702	84838		
Hurn	862	20213	82021	20918	21600	06602	82840		
Manston	797	70117	81038	19715	5847/	11001	83812	84656	87359
Gatwick	776	70310	82031	20417	786//	08 03	82835	87650	
Kew	775	70313	83021	21317	786//	08802	82835	86645	
Heathrow	772	70212	82031	21017	786//	09503	83834	86645	
Honington	586	73510	88021	20916	786//	07001	83835	86645	
Wattisham	590								
Gorleston	497	70117	66021	21314	725//	10203	87825		
Aberporth	502	73407	70032	23915	784//	12204	87814		
Filton	628	40410	82031	22018	42600	07803	84835		
Rhoose	715	51105	72031	22318	58640	08201	85832		
Hartland Point	703	40706	79021	22617	22550	11304	82825	84360	
Mount Batten	827	62011	72021	21917	62500	10302	86828		
St. Mawgan	817	23409	80011	22517	22430	12103	82812		
Scilly	804	20213	80020	24118	22530	14305	82825		
Culdrose	809	43511	66051	22617	31530	12105	83820		
Guernsey	894	10213	82020	20916	11500	10105	81820		
Elmdon	534	70309	80021	22318	786//	07805	85840	84656	
Cardington	559	70614	82021	21918	68501	06400	82825	83830	85645
Wittering	462	50411	84011	22017	58600	07801	83832	83650	
Watnall	354	70107	81031	22716	7863/	08501	85832	83640	
Shawbury	414	50304	68012	22517	58500	08803	81826	85656	
Finningley	360	73608	80021	22517	785//	08702	83828	87656	
Spurn Point	396	30311	81021	23016	32500	09103	83820		
Leeming	257	70603	65028	23216	1163/	08802	81830	87358	
Tynemouth	262	60000	69022	23714	3563/	10101	83630	86358	
Carlisle	222	60402	83021	22318	686//	09805	84834	85647	
Valley	302	23311	80011	23816	21431	11001	82812		
Ringway	334	50402	80012	23316	12532	08201	81825	83359	
Squires Gate	318	12807	70011	22818	18500	12802	81825		
Ronaldsway	204	31305	88020	22818	22402	09001	81712		
Mull of Galloway	131	43610	82021	23018	38631	12703	82830	83640	
Eskdalemuir	162	41702	84011	22117	41631	07805	84830		
Prestwick	135	42810	86011	22918	14632	07706	81835		
Abbotsinch	140	73107	86031	22317	58532	07709	82827	84640	
Leuchars	171	72103	86022	22517	58632	08706	82830	84650	
Dyce	091	71304	86022	21815	785//	09706	84824	87640	
Lerwick	005	72313	86032	20013	783//	11701	85809	83630	
Wick	075	71909	89022	20815	6853/	10803	82820	86635	
Sule Skerry	010	72412	82022	20113	755//	11803	87625		
Cape Wrath	049	72714	80028	20012	4857/	11709	81820	84625	87360
Stornoway	026	72117	81026	20015	5553/	11713	84624	84645	87360
Benbecula	022	72015	81028	21415	3847/	12701	82815	83640	87460
Tiree	100	62213	80148	23215	48432	12602	81712	83817	85360
Aldergrove	917	72903	84021	23617	3843/	10707	82818	83624	85360
Malin	980	72712	89012	23516	4853/	11706	82820	83640	86362
Belmullet	976	72213	84012	25015	6843/	11704	81717	83820	87359
Birr	965	73404	84034	24517	685/2	10707	83823	84642	85070
Dublin	969	63408	88011	23718	5253/	09705	85826	83360	
Shannon	962	73204	86021	25117	6853/	10708	81825	86635	
Roches Point	952	53411	85011	24718	58402	10706	85818		
Valentia	953	63207	88022	26017	58502	11504	83825	85650	

OBSERVATIONS at 18h. 29 JULY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	73611	82021	20517	746//	07500	82834	87645	
862	70110	81011	20418	756//	07500	83645	87650	
797	70118	81026	19414	784//	11500	83811	87625	
776	60408	82032	19617	64600	07500	81840	84650	85656
775	70310	82022	20517	746//	07500	82838	87645	
772	70413	82031	20218	786//	08501	81842	87650	
586	60310	84022	20716	686/1	07500	82835	86650	
590								
497								
502	23205	80021	23214	18402	11401	81810		
628	70510	78031	21517	786//	08501	83838	87645	
715	82806	66032	21516	856//	11704	88640		
703	73409	80031	22315	1853/	12604	81825	87360	
827	72107	70022	21516	786//	12501	81830	87640	
817	13612	75020	22316	14501	12301	81820		
804	23610	71020	24017	22500	13400	82825		
809	23514	60051	22216	28531	12000	81820		
894	03506	80020	20715	00900	10601			
534	70505	68022	21716	756//	09605	87645		
559	30410	81011	21316	38600	07302	82835	83650	
462	60510	84012	22015	686//	08500	81835	86650	
354	70606	70022	21815	785//	09605	81825	87645	
414	70205	66022	21717	68632	12505	82830	86656	
360	60906	82012	21816	686//	10603	82835	85656	
396	20608	75031	22714	11570	09802	81820		
257	40506	75011	22316	48600	08502	82835	83656	
262	30907	81021	22814	10941	11707	81358	83075	
222	52606	82022	20918	38631	10609	81835	83364	
302	53408	82021	22716	12336	10708	81709	85075	
334	83406	65021	21817	885//	10503	84827	88645	
318	33110	80030	22017	12532	12707	81825	83072	
204	73307	88021	22117	11682	07608	81835	87073	
131	70208	85031	22117	35631	10605	83630	85360	
162	72206	82021	20718	48532	11707	83825		
135	73303	89021	22016	14638	10608	81635	87275	
140	72809	86022	21417	28538	10606	81828	87272	
171	71410	82022	20517	28632	09709	81835	84365	86075
091	71613	86031	20315	15732	07708	81656	83365	86075
005	72215	80022	18512	26372	10710	81708	85359	87364
075	71711	88022	19013	35532	10606	81625	83645	87360
010	82320	32502	18312	874//	12707	88710		
049	82720	66808	18211	884//	11702	86815	88620	
026	82117	70026	18613	853//	11710	82709	84615	88624
022	82113	50616	18813	862//	13712	84703	85705	88708
100	82215	66605	21213	5532/	13710	82709	84622	88460
917	72707	86212	22217	4557/	11508	82626	84636	87462
980	72517	87016	21814	2647/	11611	82717	87459	
976	82116	58586	22913	864//	13716	84711	86716	87638
965	83010	70606	24015	4647/	12301	82717	83636	88459
969	71505	88022	22217	22632	11810	82830	85070	
962	83007	80608	24615	6547/	12000	81718	85630	87459
952	70000	82032	23617	18531	11707	81824	87359	
953	73205	80606	25215	5857/	11606	82823	84656	87360

OBSERVATIONS during DAY

iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00190	092	+	+
862	00210	100	+	+
797	97151	008	pr. r.	ir.
776	00190	093	+	+
775	00190	090	+	+
772	00200	089	+	+
586	00180	062	+	+
590				
497		044		
502	00151	092	+	+
628	00200	080	+	+
715	00190	043	+	+
703	00150	075		
827	00190	061	+	+
817	00190	117	+	+
804	00180	131	+	+
809	00180	116	+	+
894	00170	132	+	+
534	00180	065	+	+
559	00190	131	+	+
462	00180	087	+	+
354	00170	052	+	+
414	00190	033	+	+
360	00190	060	+	+
396			+	+
257	00170	039	+	+
262	00150	068	+	+
222	00210	082	+	+
302	00170	110	+	+
334	00190	025	+	+
318	00190	113	+	+
204	00190	120	+	+
131	00190			
162	00190	078	+	+
135	00180	113	+	+
140	00200	109	+	+
171	00190	066	+	+
091	00181	047	+	+
005	97151	023	+	id.
075	00170	007	+	+
010	02141			
049	95132	010	pr.	pr.
026	92151	004	ir.	r. d. r.
022	02151	003	ir.	ir. d. r. r. r.
100	01161	023	jp	id. ir. dddr
917	97191	078	+	r.
980	9717	016		
976	9716	005		
965	9719	022		
969	0019	080		
962	9719	035		
952	0021	103		
953	9718	020		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 12h.**

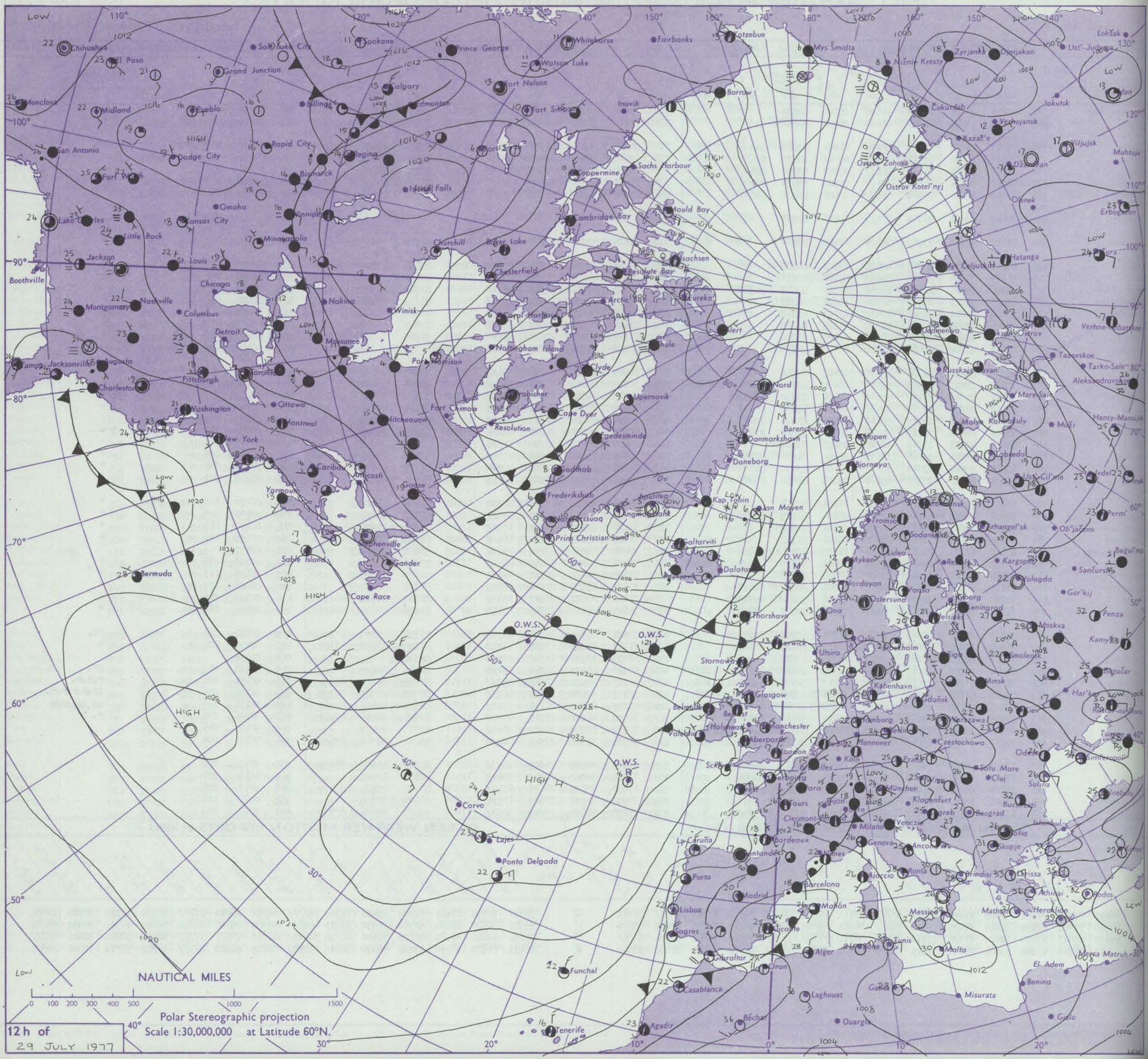
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	29121	92008	91456	20714	9////	00711	89/01	/////	00314	11240	3////	22005
L	99570	70201	29124	82613	97025	19412	863//	00801	85708	88712	0//11	11291	30603	23803
M	99659	10017	29124	82121	97028	11910	854//	00711	/////	/////	05108	11062	30504	/////
R	99473	70169	29124	13608	98021	31515	11500	00400	81820	/////	0//12	11738	30000	36802

OCEAN WEATHER STATION REPORTS at 18h.

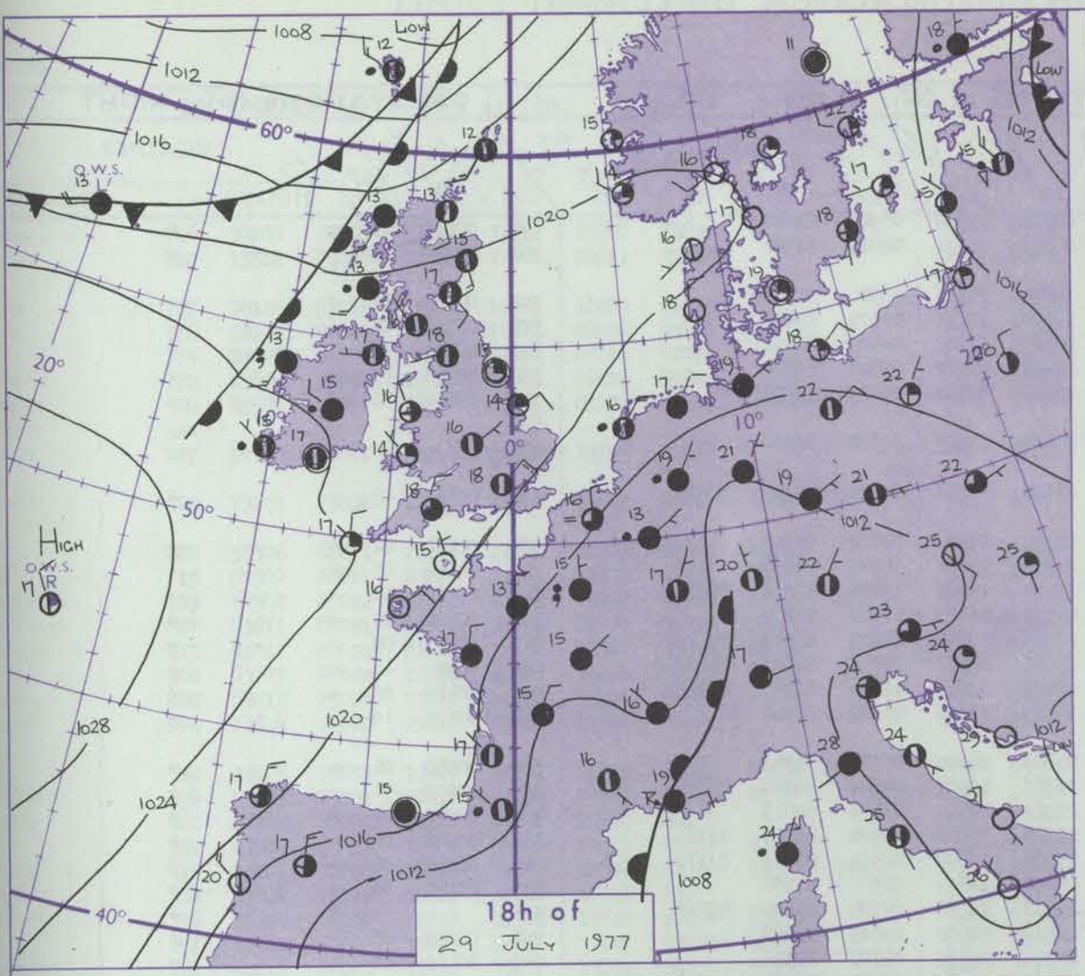
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	29181	91708	92458	18314	9////	00716	89/01	/////	00314	11251	30302	22904
L	99570	70200	29184	82520	97032	19313	853//	61504	85708	88620	0//12	11322	30302	99/04
M	99659	10019	29184	82126	96606	08710	4242/	00717	/////	/////	00209	10988	30606	/////
R	99471	70170	29184	13408	98010	30916	11500	00705	81820	/////	0//12	11776	30000	36802

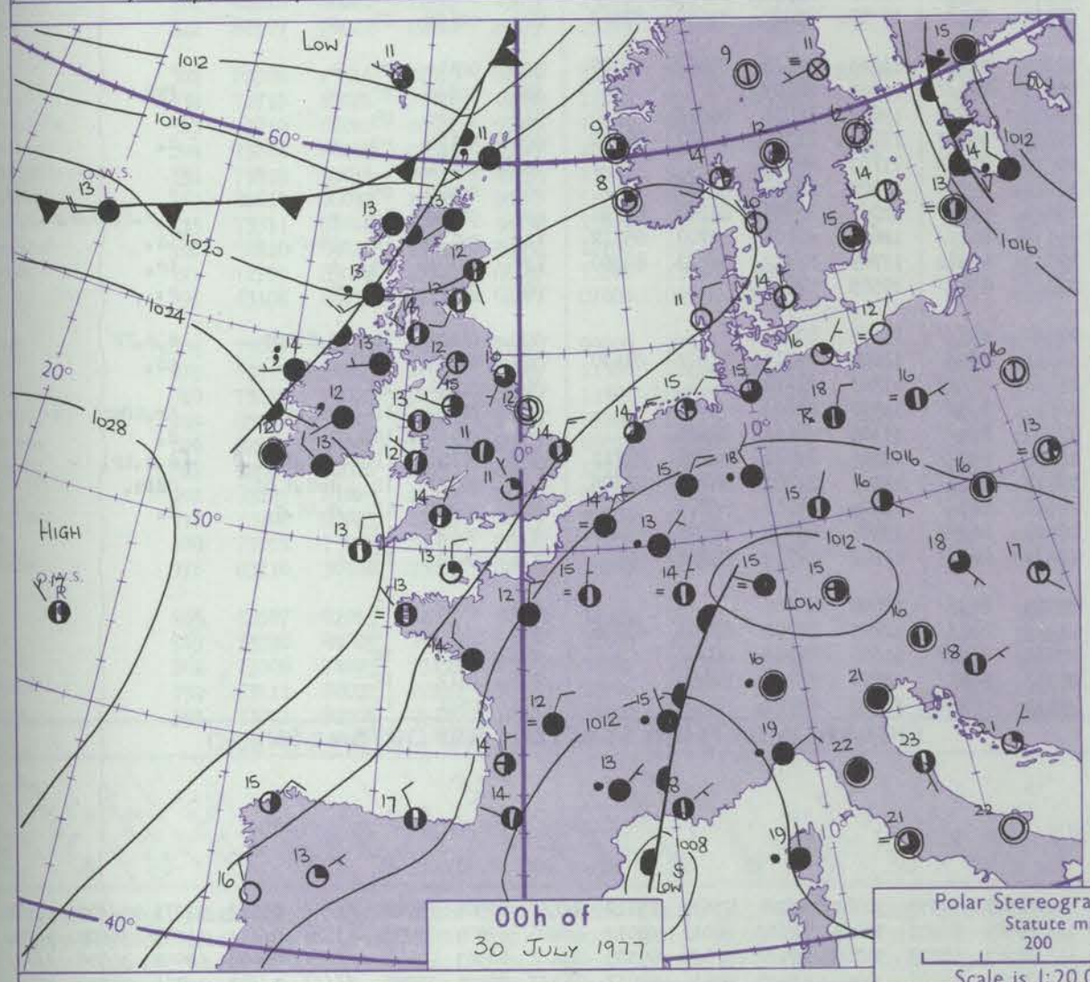
All times of observation printed in this publication are GREENWICH MEAN TIME.

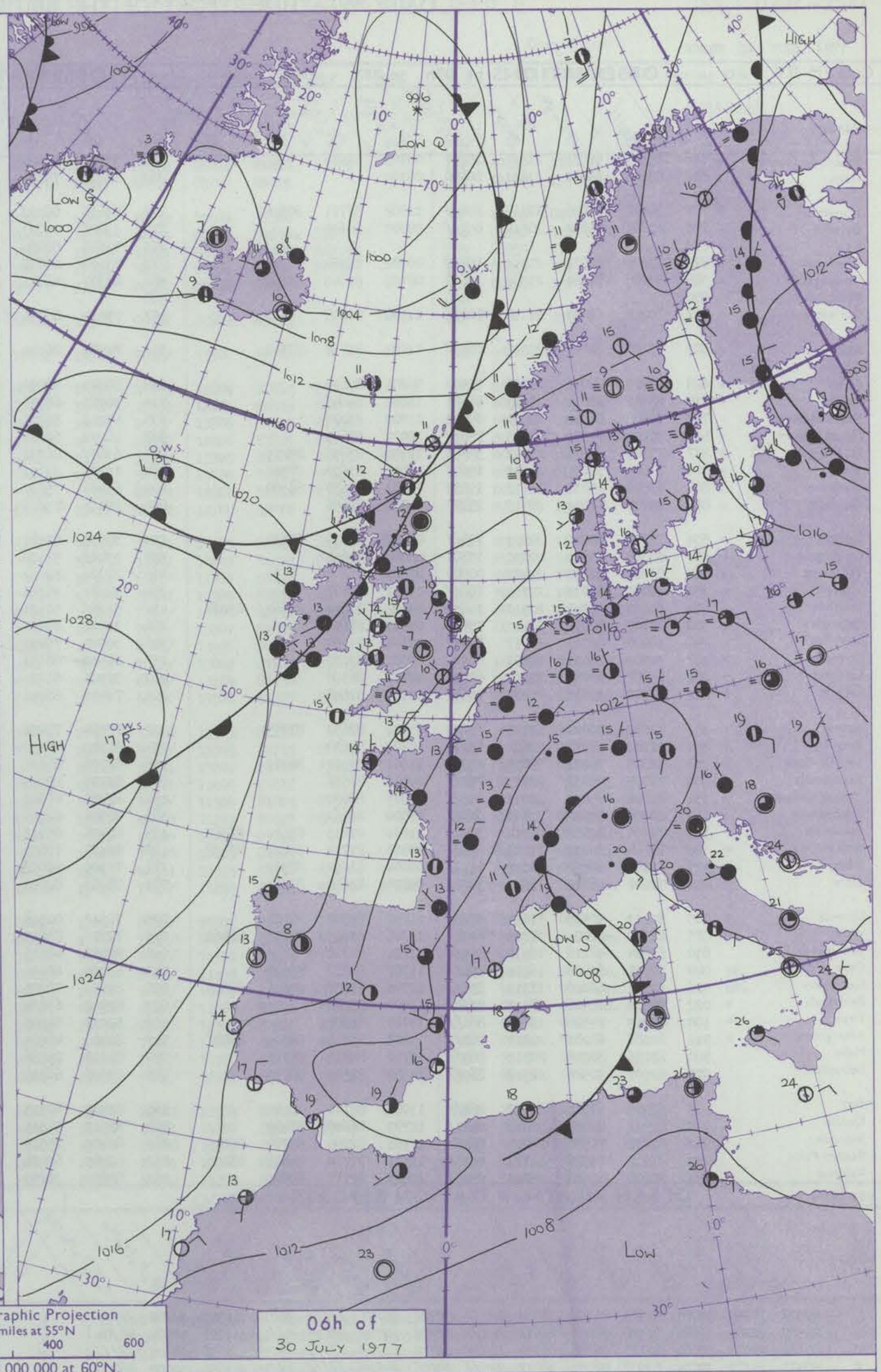
CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


NAUTICAL MILES
0 100 200 300 400 500 1000 1500
Polar Stereographic projection
Scale 1:30,000,000 at Latitude 60°N.
12 h of
29 JULY 1977
Chihuahua
El Paso
Monclova
Midland
Grand Junction
Pueblo
Salt Lake City
Spokane
Billings
Rapid City
Dodge City
San Antonio
Fort Worth
Omaha
Kansas City
Lake Charles
Little Rock
Minneapolis
Jackson
St. Louis
Boothville
Chicago
Nashville
Montgomery
Columbus
Detroit
Pittsburgh
Tampa
Jacksonville
Augusta
Charleston
Washington
Norfolk
New York
Toronto
Ottawa
Montreal
Yarmouth
Sable Island
Bermuda
Caribou
Gander
Stephenville
Cape Race
Goose
Prince George
Calgary
Edmonton
Regina
Winnipeg
Thunder Bay
Whitehorse
Watson Lake
Fort Nelson
Fort Simpson
Fort Smith
Yellowknife
Churchill
Baker Lake
Chesterfield
Winisk
Moosonee
Nakina
Port Harrison
Nottingham Island
Fort Chimo
Resolution
Cape Dyer
Frobisher
Hopedale
Nain
Goose
Goodhab
Frederikshab
Godthaab
Angmagssalik
Prins Christian Sund
Aputiteq
Kap Tobin
Jan Mayen
Fairbanks
Kotzebue
Barrow
Inuvik
Mys Šmidta
Nižnie Kresty
Zyrjanka
Omjakon
Ust'-Judoma
Lokšak
Čokurdah
Jakutsk
Verhojansk
Kazač'e
Viljujsk
Muhtuja
Dzardzan
Olenek
Erbogačen
Hatanga
Tura
Ostrov Zohova
Ostrov Kotel'nyj
Sachs Harbour
Coppermine
Cambridge Bay
Mould Bay
Resolute Bay
Isachsen
Eureka
Arctic Bay
Alert
Thule
Clyde
Upernavik
Nord
Danmarkshavn
Daneborg
Barencburg
Hopen
Bjornoya
Tazovskoe
Tarko-Sale
Aleksandrovskoe
Mare-Sale
Malye Kamenuly
Muži
Hanty-Mansijsk
Tabsedol
Ust'-Cil'ma
Tromsø
Sodankylä
Lulea
Myken
Nordoyan
Vaasa
Ostersund
Ona
Utsira
Stornoway
Lerwick
Thorshavn
Glasgow
Belfast
Holyhead
Manchester
Aberporth
London
Scilly
Valentia
Belmullet
Kobenhavn
Gdańsk
Hannover
Czestochowa
Warszawa
Minsk
Smolensk
Moskva
Arhangel'sk
Ob"jačevo
Kargopol'
Vologda
Gor'kij
Penza
Kamyšin
Sančursk
Bugul'ma
Perm'
Kirov
Leningrad
Helsinki
Riga
Tallinn
Kaliningrad
Har'kov
Sagučar
Tuapse
Simferopol'
Odessa
Sulina
Satu Mare
Cluj
Bucuresti
Beograd
Istanbul
Sofia
Skopje
Athinai
Rodos
Heraklion
Mathraki
Brindisi
Roma
Ancona
Genova
Milano
Venezia
Ajaccio
Messina
Tunis
Malta
Alger
Oran
Gabes
Misurata
El Adem
Benina
Marsa Matruh
Gialo
Ouargla
Laghouat
Béchar
Casablanca
Agadir
Tenerife
Funchal
Ponta Delgada
Lajes
Corvo
Gibraltar
Lisboa
Porto
Sagres
Madrid
Barcelona
Mahón
Ciudadela
Valentia
La Coruña
Santander
Bordeaux
Nantes
Tours
Clermont-Ferrand
Paris
Cherbourg
Brest
München
Klagenfurt
Innsbruck
Zürich
Stuttgart
Frankfurt
Köln
Hannover
Berlin
Hamburg
Bremen
Aalborg
Oslo
Stockholm
Helsinki
Leningrad
Kiruna

CHARTS OF WEATHER IN WESTERN EUROPE







Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

Issued at midday SATURDAY 30 JULY 1977

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours the axis of a ridge of high pressure extending from an anticyclone near the Azores to the British Isles moved very slowly southeast over central districts whilst an occluding frontal system moved southeastwards into northwestern districts. During the next 24 hours the ridge of high pressure over the British Isles is expected to weaken whilst the occluding frontal system over northwestern districts moves slowly southeast, and a shallow wave depression now in mid-Atlantic moves northeast towards the Faeroes.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE (*contd.*)

Code FM 11.V

OBSERVATIONS at 00h. 30 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	33505	65031	21910	25701	08103	82656		
Hurn	862	03605	65011	21611	00900	08105			
Manston	797	80117	81026	19514	854//	11802	87711	88620	
Gatwick	776	63607	75012	20614	657//	09000	86650		
Kew	775								
Heathrow	772	23305	80031	21511	15702	09002	81650		
Honington	586	33205	75021	21309	15630	08702	81645	83362	
Wattisham	590								
Gorleston	497	70217	66031	21114	7092/	11504	87458		
Aberporth	502	73106	82021	23512	1643/	11003	81710	87362	
Filton	628	20903	68011	22413	25500	08201	82620		
Rhoose	715	43302	65011	22213	45601	11002	84645		
Hartland Point	703	33608	81011	22514	00901	11000	83070		
Mount Batten	827	70502	70022	22315	756//	12002	87645		
St. Mawgan	817	73305	80021	23113	35736	12302	83650	85275	
Scilly	804	73609	70031	24613	1565/	13002	81630	87360	
Culdrose	809	63509	65031	23113	15630	12102	81630	86360	
Guernsey	894	23608	72011	20713	25700	11801	82656		
Elmdon	534	72701	64022	22811	756//	08002	82630	87639	
Cardington	559	20305	80010	22210	15701	08000	81650		
Wittering	462	03402	82011	22409	00900	07603			
Watnall	354	70000	65031	22711	756//	09801	87647		
Shawbury	414	50103	57041	22510	14634	09102	81645	83362	85074
Finningley	360	72102	82032	22211	756//	09803	87645		
Spurn Point	396	10000	80021	22612	10970	09705	81360		
Leeming	257	32302	84031	22809	00902	07000	83077		
Tynemouth	262	61807	61031	22512	6093/	10705	86360		
Carlisle	222	32102	82011	21412	15631	10102	81648		
Valley	302	72802	70022	23113	25632	11002	82630	87075	
Ringway	334	22202	58031	22611	15601	10202	81630		
Squires Gate	318	52805	70021	22415	20932	11101	82362	84072	
Ronaldsway	204	72703	88032	22313	757//	09000	87656		
Mull of Galloway	131	81004	85032	22013	856//	09803	88630		
Eskdalemuir	162	60000	83032	21609	6093/	07000	86362		
Prestwick	135	72906	82022	21414	3547/	11604	81613	83622	87362
Abbotsinch	140	82708	80032	21013	7547/	10805	81714	83627	87638
Leuchars	171	72108	84032	20112	1573/	09604	81650	87362	
Dyce	091	71602	86032	19012	3577/	09810	83650	87363	
Lerwick	005	82113	50535	17011	872//	11710	85703	88706	
Wick	075	82302	82022	17713	6557/	11706	81625	86632	88462
Sule Skerry	010	82324	48216	16512	864//	11711	88710		
Cape Wrath	049	82717	66606	16011	854//	11707	84712	88620	
Stornoway	026	82111	68026	17313	853//	12706	81707	85616	88623
Benbecula	022	92506	08516	18113	9////	13500	89/01		
Tiree	100	82313	25516	19413	861//	13710	88702		
Aldergrove	917	82606	68202	22313	862//	11803	81703	84705	88707
Malin	980	82216	80215	20713	864//	12710	85712	88717	
Belmullet	976	82607	30586	22514	862//	14500	84705	88710	
Birr	965	82305	60516	24112	864//	11000	88710		
Dublin	969	82911	82026	22614	6567/	12703	86640	87460	
Shannon	962	82102	70506	24213	863//	12701	82708	85709	86715
Roches Point	952	83212	75026	24113	4547/	11801	81714	84636	88458
Valentia	953	80000	80026	25012	854//	12603	82717	88643	

OBSERVATIONS at 06h. 30 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	13507	75020	20909	15600	06501	81640		
Hurn	862	10106	75030	20511	10931	08603	81360		
Manston	797	73616	68022	18314	763//	12501	87708		
Gatwick	776	33407	75021	19610	15731	09605	81650		
Kew	775	13505	68020	20610	11401	08605	81812		
Heathrow	772	13204	68010	20710	00902	09502	81075		
Honington	586	43307	68011	20110	35702	09603	83650		
Wattisham	590								
Gorleston	497	73514	66031	19614	755//	11502	87620		
Aberporth	502	72904	86022	22113	1637/	11705	81708	87359	
Filton	628	10803	68010	21309	10932	07602	81359		
Rhoose	715	30202	60030	21310	15731	09502	81656		
Hartland Point	703	60203	85031	21914	18431	11604	81818	86360	
Mount Batten	827	10202	62021	21512	16330	11500	81709		
St. Mawgan	817	63607	80032	21913	30939	12603	83362	85175	
Scilly	804	73307	81022	23015	68572	14705	82825	86630	
Culdrose	809	63410	75022	21713	60970	12706	82359	86362	
Guernsey	894	10111	75020	19813	10930	10502	81360		
Elmdon	534	30000	60101	21607	10931	06501	81362		
Cardington	559	33402	57100	21307	10931	07604	81365	83078	
Wittering	462	22904	82010	21308	00901	07604	82075		
Watnall	354	32201	35101	21309	30980	09504	81359	83365	
Shawbury	414	52203	50101	21309	15639	08502	81645	83172	
Finningley	360	31902	65051	20810	15731	09501	81650		
Spurn Point	396	30000	75030	21012	28570	09708	81820	83360	
Leeming	257	61605	60031	20810	00902	09615	86080		
Tynemouth	262	32307	61021	20111	20931	09707	82358		
Carlisle	222	71902	81021	20012	3857/	10707	81824	83650	87463
Valley	302	73104	75022	21614	25578	12603	82620	84462	87270
Ringway	334	81602	05424	21511	862//	11802	88703		
Squires Gate	318	62706	80031	20815	45732	12604	84650	84075	
Ronaldsway	204	82705	82032	20613	35277	12606	81704	83632	87360
Mull of Galloway	131	82708	60505	20612	855//	11703	88625		
Eskdalemuir	162	81504	62021	19911	853//	10504	86708	88630	
Prestwick	135	82408	65212	19513	872//	12708	82705	84706	87710
Abbotsinch	140	82407	70026	19113	853//	12607	81706	83709	85712
Leuchars	171	72309	80026	17713	45472	11709	81712	84622	86360
Dyce	091	80000	82032	17112	854//	10503	87618		
Lerwick	005	92512	01515	14611	9////	11505	89/00		
Wick	075	72304	81025	16213	754//	12604	82715	83622	87630
Sule Skerry	010	80000	48515	16411	874//	11303	88710		
Cape Wrath	049	83210	40416	16811	855//	11308	88620		
Stornoway	026	82905	70205	17912	854//	11305	81711	88625	
Benbecula	022	82912	63504	18512	850//	12305	81701	84706	86712
Tiree	100	83013	64505	19213	861//	13301	82702	84703	88705
Aldergrove	917	82406	40505	20513	861//	12606	83702	88703	
Malin	980	82913	25586	20213	862//	13501	85703	88708	
Belmullet	976	82907	60215	22413	864//	12202	86712	88636	
Birr	965	82402	40515	22313	863//	12608	88707		
Dublin	969	82512	56515	21312	861//	12705	84702	87703	88706
Shannon	962	82405	25515	22414	862//	14608	84703	88705	
Roches Point	952	82805	62026	23313	5647/	12604	85716	88458	
Valentia	953	80603	30205	23613	861//	13503	88702		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00070	03	+	+
Hurn	862	00080	05	+	+
Manston	797	00131	13	+	+
Gatwick	776	00090	08	+	+
Kew	775	00090	05	+	+
Heathrow	772	00090	05	+	+
Honington	586	00080	06	+	+
Wattisham	590				
Gorleston	497				
Aberporth	502	00121	08	+	+
Filton	628	00080	01	+	+
Rhoose	715	00080	02	+	+
Hartland Point	703	00130	10		
Mount Batten	827	00120	07	+	+
St. Mawgan	817	00110	08	+	+
Scilly	804	00120	11	+	+
Culdrose	809	00110	08	+	+
Guernsey	894	00120	10	+	+
Elmdon	534	00050	01	+	+
Cardington	559	00030	51	+	+
Wittering	462	00060	04	+	+
Watnall	354	00080	04	+	+
Shawbury	414	00050	01	+	+
Finningley	360	00080	03	+	+
Spurn Point	396			+	+
Leeming	257	00080	05	+	+
Tynemouth	262	00100	07	+	+
Carlisle	222	00100	05	+	+
Valley	302	00110	07	+	+
Ringway	334	00090	07	+	fFF
Squires Gate	318	00120	08	+	+
Ronaldsway	204	97120	09	+	d.
Mull of Galloway	131	97111			
Eskdalemuir	162	00070	05	+	+
Prestwick	135	97120	10	+	d.r.d.id.d.r.
Abbotsinch	140	97120	12	id.r.	id.
Leuchars	171	97120	09	+	ir.
Dyce	091	97111	10	+	r.
Lerwick	005	01101	10	d.d.ddd	d.d.FF
Wick	075	97121	11	id.	id.
Sule Skerry	010	02091	10		
Cape Wrath	049	02102	10	pr.ir.	ir.ifpr.
Stornoway	026	92121	12	d.	d.
Benbecula	022	01151	11	r.r.d.d.f	fd.d.ir.
Tiree	100	96121	12	drd.d.dd	ddid.
Aldergrove	917	93121	11	d.id.d.	d.
Malin	980	9612	12		
Belmullet	976	9412	12		
Birr	965	0112	11		
Dublin	969	9712	12		
Shannon	962	0112	12		
Roches Point	952	9312	12		
Valentia	953	0311	11		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30001	91909	91458	17014	9////	00702	89/01	/////	00214	11343	3//04	/////
L	99569	70201	30004	82520	98032	21612	854//	00308	84712	88625	0//11	11297	30504	99/04
M	99660	10021	30004	82120	96606	05910	5732/	00717	/////	/////	00210	10956	30606	/////
R	99471	70170	30004	73207	97031	30817	755//	00801	87625	/////	0//15	11650	30000	36802

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30061	93207	93638	15112	9////	00505	89/02	/////	05112	11271	3//02	11104
L	99569	70201	30064	72617	98012	20912	66482	61504	85710	83628	0//11	11298	30604	99/04
M	99661	10023	30064	82418	97026	05309	854//	00303	/////	/////	00008	10957	30605	/////
R	99471	70168	30064	83410	94516	29017	862//	00505	88704	/////	0//17	11751	30000	36802

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bra

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42255

Date of Issue SUNDAY 31 JULY 1977

Code FM 11.V

OBSERVATIONS at 12h. 30 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	30109	74020	19120	31632	08708	83835		
Hurn	862	13512	75020	19220	11601	08811	81835		
Manston	797	10118	82011	17917	11401	12805	81810		
Gatwick	776	10109	81021	18520	11601	08808	81840		
Kew	775	23606	80020	19120	00901	06711	82078		
Heathrow	772	23608	78030	19220	11601	09810	81845		
Honington	586	63507	81031	18720	11601	08709	81835	86080	
Wattisham	590								
Gorleston	497	20120	66011	19215	21500	13705	82820		
Aberporth	502	73206	75032	21815	7847/	13602	83818	85640	87362
Filton	628	50306	68021	20219	21502	10709	82825	84075	
Rhoose	715	52509	66031	20220	11531	11709	81825	85075	
Hartland Point	703	62902	85022	21916	11531	13400	81820	83360	86075
Mount Batten	827	63611	83031	20620	38482	09707	81818	83070	
St. Mawgan	817	43011	82031	21617	12431	13801	81814	84075	
Scilly	804	63603	80022	23618	48570	16203	82820	84630	86360
Culdrose	809	63413	75021	21617	41505	13801	84825		
Guernsey	894	13614	82020	20017	00902	11810	81075		
Elmdon	534	33005	70030	19919	11501	08811	81828	83075	
Cardington	559	50206	75031	19619	21601	09613	82835	85080	
Wittering	462	53304	82031	19520	41601	10712	84835		
Watnall	354	63004	65031	19321	58502	10811	84828	83075	
Shawbury	414	73407	78031	19819	11636	12808	81830	83360	87272
Finningley	360	33006	75020	18922	32602	10711	83835		
Spurn Point	396	31105	64030	19917	12502	11810	81820	83075	
Leeming	257	72710	82022	19019	786//	11710	83830	87650	
Tynemouth	262	82810	80021	19217	4567/	13804	84630	88358	
Carlisle	222	82509	70022	19416	854//	13605	81712	84715	85622
Valley	302	82908	25515	21515	871//	13702	81702	87703	88706
Ringway	334	72710	65024	20018	18532	11810	81825	83359	87070
Squires Gate	318	72710	81022	20517	58431	14705	84818	84360	87075
Ronaldsway	204	73208	60202	20816	753//	12501	82706	84708	87710
Mull of Galloway	131	73518	81015	20616	48531	13000	81825	84630	
Eskdalemuir	162	82610	60032	18917	854//	13702	84711	88628	
Prestwick	135	73311	81016	19717	58432	13501	81815	83640	
Abbotsinch	140	52810	84015	18519	38431	12706	81716		
Leuchars	171	72709	89022	17121	6863/	13806	83830	85645	
Dyce	091	63108	86016	17118	684//	07000	82818	84823	
Lerwick	005	73009	84015	16113	755//	09206	87625		
Wick	075	63115	62805	17814	6843/	11306	81814	85818	
Sule Skerry	010	73205	74025	18014	785//	11307	84820	87625	
Cape Wrath	049	83208	74808	18411	6847/	09208	83815	86620	88460
Stornoway	026	82909	82022	19214	855//	09005	83620	88630	
Benbecula	022	82809	82026	20214	884//	12205	81816	83618	88628
Tiree	100	83212	81025	21114	854//	12208	83617	88635	
Aldergrove	917	73408	80025	21217	784//	12303	81714	83818	86624
Malin	980	73011	75206	21814	763//	13208	83708	86715	
Belmullet	976	83110	30506	23215	862//	15303	86705	88711	
Birr	965	52907	82015	22019	525/2	13801	85823		
Dublin	969	73310	84025	20719	625/2	12605	86823		
Shannon	962	73306	74025	23118	754//	14302	83718	87638	
Roches Point	952	73111	80032	22120	785//	14706	87825		
Valentia	953	73311	82035	24216	763//	14302	85708	85626	

OBSERVATIONS at 18h. 30 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	40106	80011	18021	28602	08602	81840	83075	
Hurn	862	63409	65031	18121	00902	08705	86075		
Manston	797	20214	80030	16917	10934	10504	81366		
Gatwick	776	70107	80031	17222	14704	09603	81650	87077	
Kew	775	63609	75021	17821	11701	08601	81850	86075	
Heathrow	772	73510	75031	17822	14704	10501	81850	87078	
Honington	586	53509	86011	17919	00902	05003	85080		
Wattisham	590								
Gorleston	497	30117	66011	18515	00902	12602	83075		
Aberporth	502	73511	70032	21914	763//	13500	87708		
Filton	628	43006	80011	18721	18631	12604	81832	83075	
Rhoose	715	43607	82011	19020	28531	12604	81828	83075	
Hartland Point	703	73110	85032	20914	2553/	13706	82625	87360	
Mount Batten	827	53313	81012	20019	18532	12000	81825	85075	
St. Mawgan	817	73411	86021	21115	783//	13703	82708	84810	87613
Scilly	804	63605	78012	22817	58441	15704	81818	85628	
Culdrose	809	63513	75032	21315	48401	12001	82816	83622	
Guernsey	894	23111	66030	19417	00902	12704	82075		
Elmdon	534	63311	62021	19319	38571	11205	81826	83656	85362
Cardington	559	70606	75021	18321	11602	10703	81840	87080	
Wittering	462	63409	75031	18321	657//	11504	86656		
Watnall	354	33108	75011	19318	28601	12304	81830		
Shawbury	414	73414	68032	20316	784//	13107	82710	83815	86620
Finningley	360	73110	70021	18819	786//	13301	81830	87642	
Spurn Point	396	71504	66031	19117	4567/	13500	84635	87360	
Leeming	257	73107	86022	18919	785//	13002	81825	87645	
Tynemouth	262	70705	69022	19415	6567/	13104	86630		
Carlisle	222	62806	81015	19019	68500	14501	81825	85645	
Valley	302	13309	75015	21817	11440	13303	81817		
Ringway	334	83109	75022	20716	854//	13305	82715	88620	
Squires Gate	318	63011	80012	20716	58431	13302	83710	83818	
Ronaldsway	204	23420	86031	21016	18441	11400	81817		
Mull of Galloway	131	73418	83031	21714	785//	12308	81825	87630	
Eskdalemuir	162	52709	83012	19017	58500	12203	81827	85640	
Prestwick	135	13016	82011	20516	15500	11002	81622		
Abbotsinch	140	13014	84021	19618	15500	10203	81625		
Leuchars	171	50613	89021	18715	48631	12315	83832	83650	
Dyce	091	71804	82028	19414	784//	11210	81712	84814	87618
Lerwick	005	82812	86022	18011	853//	10207	83707	88630	
Wick	075	73015	85028	19914	785//	09208	82820	87632	
Sule Skerry	010	82709	74022	19513	855//	11301	88625		
Cape Wrath	049	83208	80028	20212	856//	11103	88630		
Stornoway	026	72910	82028	21014	784//	10203	83818	87630	
Benbecula	022	82909	82025	22214	884//	11207	81816	88630	
Tiree	100	73113	82032	22614	784//	12304	82814	87640	
Aldergrove	917	73412	82022	22615	754//	11207	83714	87622	
Malin	980	73311	83025	23614	754//	12310	83715	87638	
Belmullet	976	73409	80015	25015	764//	12311	82714	86638	
Birr	965	30110	84011	23019	22502	12304	82824		
Dublin	969	60302	86022	21419	585/1	14202	83826	83645	
Shannon	962	23111	84021	23320	28500	15302	82824		
Roches Point	952	23119	82021	22220	28501	14500	82825		
Valentia	953	63413	84031	24616	66400	14302	84710		

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00220	134 +		+
Hurn	862	00230	133 +		+
Manston	797	00190	089 +		+
Gatwick	776	00230	119 +		+
Kew	775	00230	136 +		+
Heathrow	772	00230	131 +		+
Honington	586	00230	130 +		+
Wattisham	590				
Gorleston	497		074		
Aberporth	502	00160	015 +		+
Filton	628	00220	133 +		+
Rhoose	715	00210	116 +		+
Hartland Point	703	00180	110		
Mount Batten	827	00210	137 +		+
St. Mawgan	817	00180	113 +		+
Scilly	804	00190	014 +		+
Culdrose	809	00190	117 +		+
Guernsey	894	00180	137 +		+
Elmdon	534	00220	112 +		+
Cardington	559	00230	128 +		+
Wittering	462	00220	099 +		+
Watnall	354	00220	107 +		+
Shawbury	414	00200	058 +		+
Finningley	360	00220	073 +		+
Spurn Point	396		+		+
Leeming	257	00210	047 +		+
Tynemouth	262	00190	026 +		+
Carlisle	222	97210	034 d.		+
Valley	302	91200	043 1d.d.d.		+
Ringway	334	00190	021 +		+
Squires Gate	318	00180	050 +		+
Ronaldsway	204	97180	067 1d.		+
Mull of Galloway	131	00170			
Eskdalemuir	162	00190	040 +		+
Prestwick	135	97190	082 d.r.		+
Abbotsinch	140	97200	081 1d.		+
Leuchars	171	00240	076 +		+
Dyce	091	97191	020 pr.		+
Lerwick	005	00141	004 +		+
Wick	075	92151	028 pr.		+
Sule Skerry	010	00140			
Cape Wrath	049	92120	000 pr.	pr.	
Stornoway	026	92151	002 pr.	pr.	
Benbecula	022	97151	000 1d.		+
Tiree	100	00151	006 +		+
Aldergrove	917	00190	026 +		+
Malin	980	9115	002		
Belmullet	976	9717	004		
Birr	965	9720	069		
Dublin	969	9721	038		
Shannon	962	9720	068		
Roches Point	952	0020	079		
Valentia	953	9118	046		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

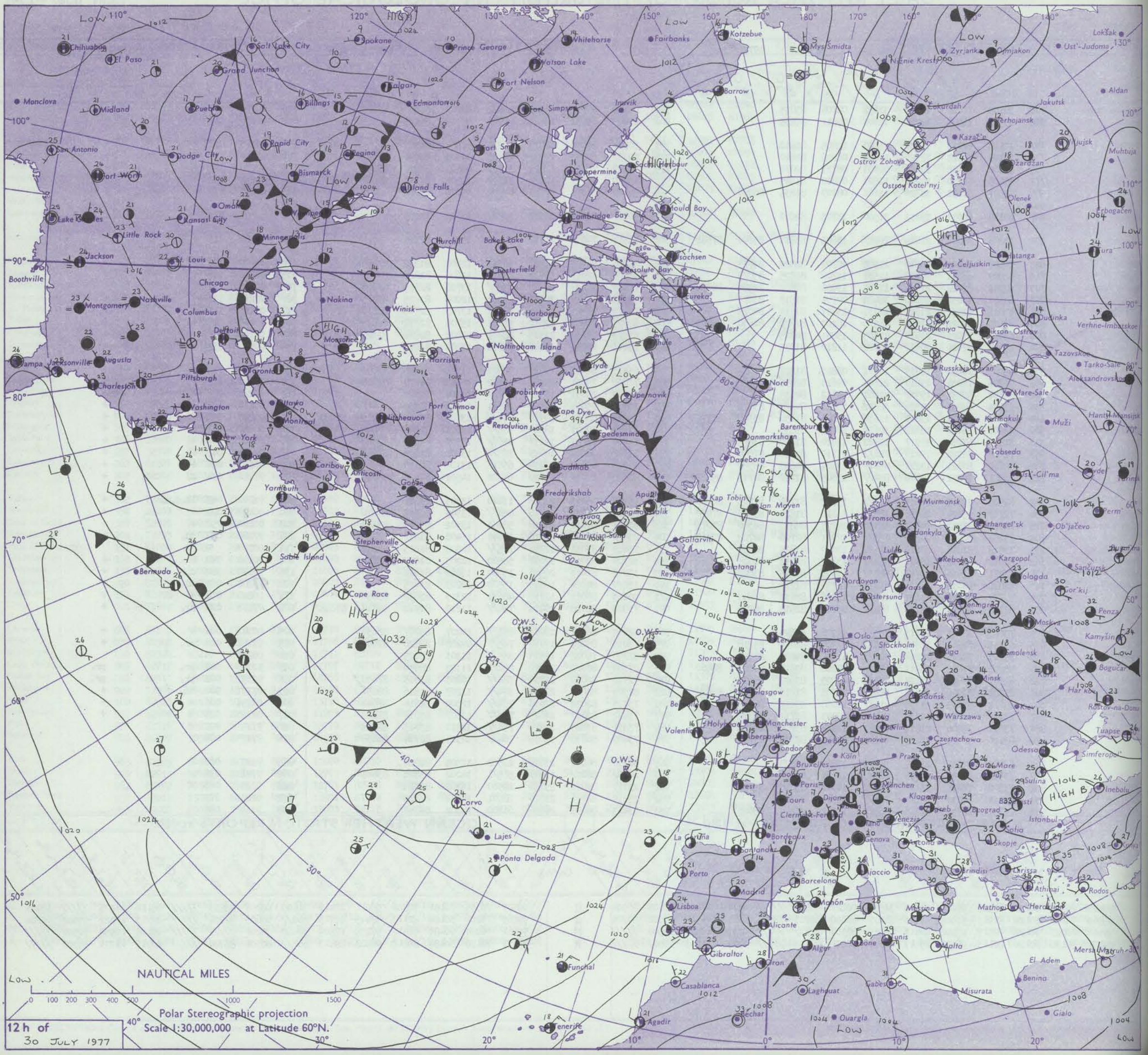
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30121	62807	98016	20012	32532	00221	83828	/////	05110	11283	30603	35904
L	99569	70201	30124	81913	93504	21513	872//	00000	88703	/////	0/13	11311	30502	99/04
M	99661	10023	30124	72315	97802	06411	59460	00304	/////	/////	00309	10963	30504	/////
R	99471	70170	30124	80113	96022	29517	862//	00001	88704	/////	0/17	11763	30302	/////

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30181	32806	98011	22412	31600	00206	83833	/////	05110	11273	3////	30903
L	99569	70201	30184	82117	92445	20713	860//	00605	88701	/////	0/13	11322	30502	99/04
M	99661	10024	30184	72416	97258	07809	59460	00201	/////	/////	00108	10958	30504	/////
R	99471	70170	30184	80210	96022	29617	862//	00301	88704	/////	0/17	11771	30302	/////

All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Low
HIGH
Chihuahua
El Paso
Monclova
Midland
San Antonio
Fort Worth
Dodge City
Lake Charles
Little Rock
Jackson
Boothville
Salt Lake City
Spokane
Grand Junction
Pueblo
Billings
Rapid City
Bismarck
Omaha
Kansas City
Minneapolis
St. Louis
Chicago
Nashville
Montgomery
Columbus
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Washington
Norfolk
New York
Caribou
Yarmouth
Sable Island
Bermuda
Stephenville
Gander
Cape Race
Prince George
Calgary
Edmonton
Regina
Whitehorse
Watson Lake
Fort Nelson
Fort Simpson
Inuvik
Fairbanks
Kotzebue
Barrow
Coppermine
Cambridge Bay
Mould Bay
Isachsen
Resolute Bay
Eureka
Alert
Arctic Bay
Churchill
Baker Lake
Chesterfield
Winisk
Moosonee
Nakina
Coral Harbour
Nottingham Island
Port Harrison
Port Chimo
Resolution
Frobisher
Cape Dyer
Lake Harbour
Hall Land Falls
Toronto
Ottawa
Montreal
Kitcheauon
Gobbe
Anticosti
Fredericshab
Godthab
Narssarssuaq
Christian-sund
Reykjavik
Gallarvili
Stornoway
Thorshavn
Glasgow
Manchester
London
Holyhead
Valentia
Scilly
Bordeaux
Santander
Porto
Lisboa
Madrid
Barcelona
Alicante
Gibraltor
Sagres
Funchal
Lajes
Ponta Delgada
Corvo
Casablanca
Agadir
Tenerife
Laghouat
Bechar
Algier
Oran
Tunis
Malta
Misurata
Ouargla
Gialo
Benina
El Adem
Mersa Matruh
Cabes
Sfax
Kap Tobin
Ian Mayen
Danmarkshavn
Barensburg
Nord
Hopen
Daneborg
Upernavik
Jakobshavn
Godthab
Mys Šmidta
Nižnie Kresty
Zyrjanka
Čokurdah
Ostrov Zohova
Ostrov Kotel'nyj
Mys Čeljuskin
Ostrov Uedmeniya
Russkaja Gavan'
Tazovskoe
Dudinka
Verhne-Imbatskoe
Mare-Sale
Tobseda
Muži
Hanti-Mansijsk
Aldan
Jakutsk
Verhojansk
Kazač'e
Olenek
Erbogačen
Tura
Lokšak
Ust'-Judoma
Ohmjakon
Muhtuja
Murmansk
Tromsø
Arhangel'sk
Ob'jačevo
Vologda
Kargopol'
Sančursk
Vologda
Vyborg
Helsinki
Moskva
Penza
Kamyšin
Bogučar
Tuapse
Rostov-na-Donu
Kursk
Minsk
Warszawa
Czestochowa
Odessa
Simferopol'
Sulina
Istanbul
Sofia
Skopje
Beograd
Venezia
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Roma
Brindisi
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München
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Graz
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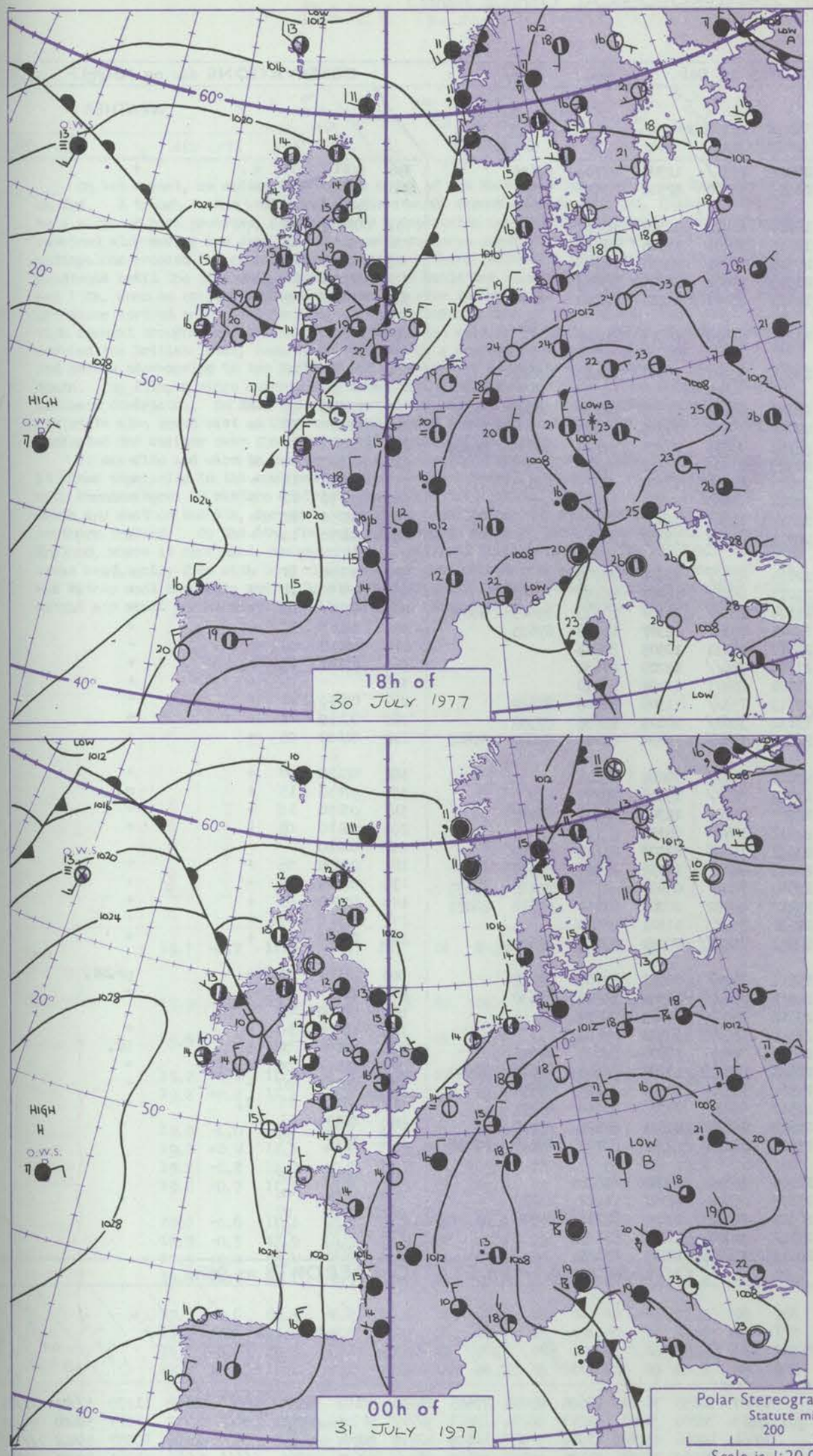
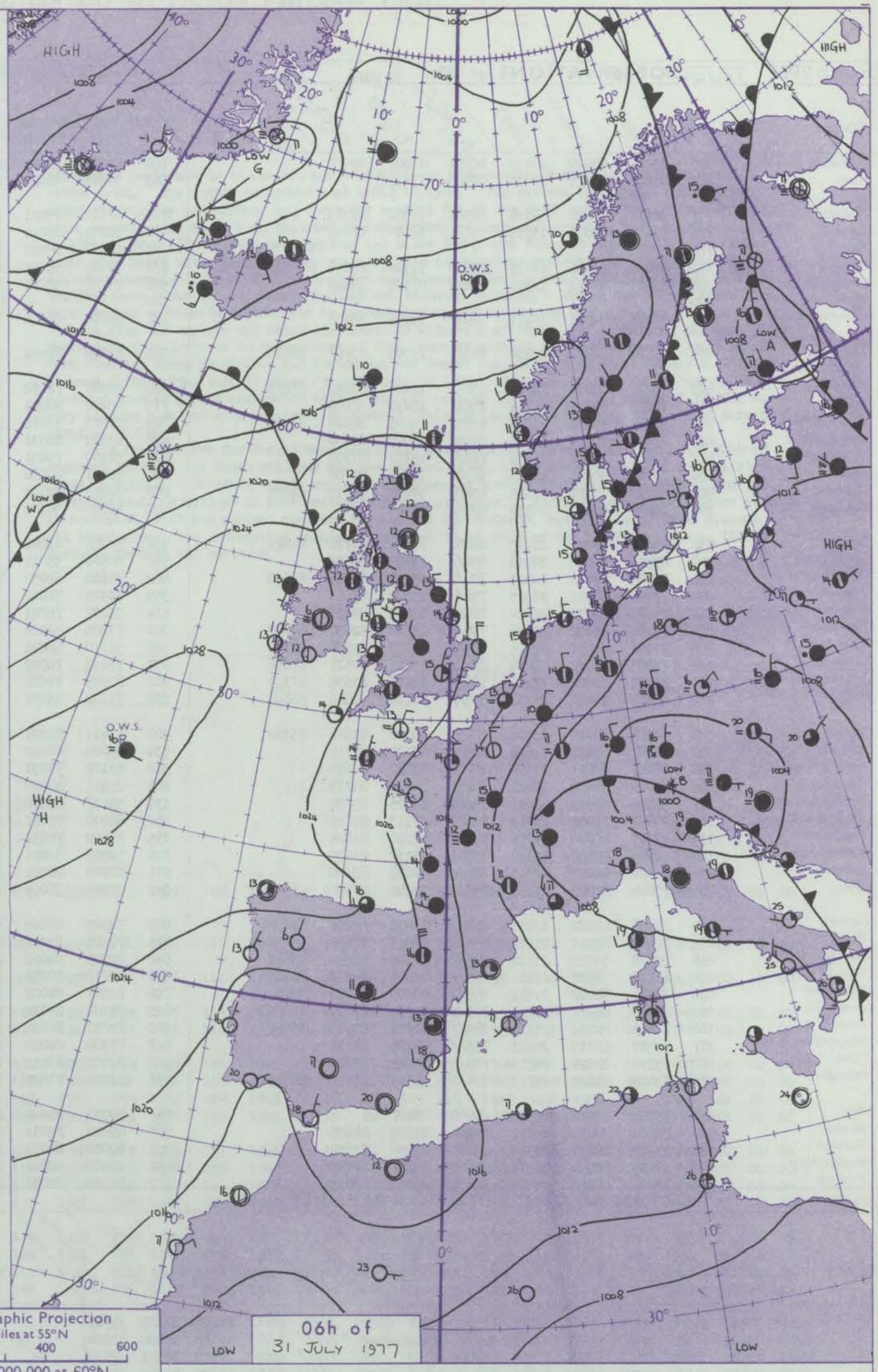
Manchester
Liverpool
London
Glasgow
Stornoway
Thorshavn
Reykjavik
Gallarvili
Godthab
Frederikshab
Narssarssuaq
Christian-sund
Kap Tobin
Ian Mayen
Upernavik
Jakobshavn
Daneborg
Barensburg
Nord
Hopen





Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday SUNDAY 31 JULY 1977

During the past 24 hours a weak, occluded frontal system moved south across the British Isles. The ridge of high pressure from the Azores anticyclone to Scandinavia weakened temporarily but was renewed again behind the trough. Pressure has remained low over central Europe and to the north of Iceland. During the next 24 hours the ridge of high pressure from the Azores to Scandinavia will persist. Frontal troughs on the northern side of the ridge will move east across northern parts of the British Isles.

Code FM 11.V **OBSERVATIONS at 00h.** 31 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	23408	64010	20113	00901	11207	82075		
Hurn	862	03606	65011	20015	00900	13111			
Manston	797	20110	80020	18114	00901	11500	82075		
Gatwick	776	73402	57041	19213	757/1	10107	87650		
Kew	775								
Heathrow	772	53406	59031	19416	15730	12106	81656	85362	
Honington	586	83403	81032	19314	856//	07104	88648		
Wattisham	590								
Gorleston	497	83207	66021	19213	8092/	11102	88458		
Aberporth	502	63514	62032	23114	653//	13306	83707	86625	
Filton	628	50205	80031	21314	15732	12110	81650	85075	
Rhoose	715	10202	82011	21314	15631	12210	81640		
Hartland Point	703	50310	85021	22014	4153/	14203	84820	83360	
Mount Batten	827	23606	70011	21215	25701	13003	82650		
St. Mawgan	817	73608	70032	22114	763//	13102	87706		
Scilly	804	13304	80021	23715	16301	15102	81708		
Culdrose	809	43612	75031	22015	45400	14002	81710	84625	
Guernsey	894	03409	80020	20114	00900	13104			
Elmdon	534	53307	57042	21213	45401	12106	81710	84622	
Cardington	559	83506	66022	20016	856//	13108	88635		
Wittering	462	83405	65031	20315	856//	13107	83638	88650	
Watnall	354	73107	68011	20515	756//	13104	87640		
Shawbury	414	73409	68031	21614	764//	12003	87710		
Finningley	360	73206	65022	20416	756//	13209	82630	87650	
Spurn Point	396	73606	70032	20715	2567/	11210	82630	87360	
Leeming	257	73208	45042	21414	754//	13216	82617	87656	
Tynemouth	262	73605	81022	22213	1567/	13217	81635	87359	
Carlisle	222	62402	75031	21312	655//	10110	81626	86648	
Valley	302	33506	70020	23612	15431	10208	81618	83362	
Ringway	334	72707	65012	21814	764//	13104	87710		
Squires Gate	318	23412	80011	21514	25700	13002	82650		
Ronaldsway	204	23006	86030	22612	28431	09105	81713		
Mull of Galloway	131	33410	82011	23011	35600	10505	83630		
Eskdalemuir	162	70000	75031	22210	756//	09113	87640		
Prestwick	135	10000	80020	22708	11500	07206	81825		
Abbotsinch	140	12403	80020	22310	15601	08110	81630		
Leuchars	171	81007	80022	22313	855//	1010[illegible]	88624		
Dyce	091	73004	82022	21613	755//	10002	87624		
Lerwick	005	82708	68022	19111	853//	11002	82706	88630	
Wick	075	72807	82022	21312	756//	10003	87632		
Sule Skerry	010	82710	74022	21112	885//	10102	82820	88625	
Cape Wrath	049	82712	80022	21411	885//	10801	85820	88625	
Stornoway	026	82506	82022	22512	855//	09000	82620	88630	
Benbecula	022	72502	82022	23213	755//	09801	87624		
Tiree	100	73408	82032	24113	784//	09002	81816	87625	
Aldergrove	917	73310	82015	24213	755//	08105	87621		
Malin	980	73111	84022	24813	755//	08202	87626		
Belmullet	976	73005	74022	25713	764//	11603	85716	86638	
Birr	965	03203	80010	25310	00900	09107			
Dublin	969	42904	30284	24012	45500	12105	84625		
Shannon	962	13503	84020	25513	15730	12106	81650		
Roches Point	952	13213	80030	24514	15601	13107	81643		
Valentia	953	53407	80021	25814	35630	12003	83635		

OBSERVATIONS at 06h. 31 JULY 1977

Station	iii	Nddff	VVwwW	PPPTT	$'N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	73104	56101	20812	753//	12306	82706	87635	
Hurn	862	33205	62030	20813	35700	12304	83656		
Manston	797	63619	75021	18714	614//	12309	86811		
Gatwick	776	10204	60011	19715	00901	11306	81075		
Kew	775	10204	68021	20515	15701	10310	81656		
Heathrow	772	30105	59031	20315	35601	12208	83645		
Honington	586	23207	58011	19913	26401	11203	82712		
Wattisham	590								
Gorleston	497	43618	66011	19214	41500	10304	84820		
Aberporth	502	63614	87012	23813	58401	10304	83813	83622	
Filton	628	60306	72032	22013	654/2	11308	82710	86640	
Rhoose	715	73202	80031	22012	755//	10305	87625		
Hartland Point	703	70215	82022	22714	48531	10203	82825	84635	86360
Mount Batten	827	63610	68031	22315	11401	12311	81712	86075	
St. Mawgan	817	50109	70031	23014	58400	12309	83812	83625	
Scilly	804	20207	62020	24014	15630	14304	81630		
Culdrose	809	20209	62011	22814	15501	12309	81625		
Guernsey	894	10208	56100	20813	00902	13307	81075		
Elmdon	534	83308	61042	22014	863//	11207	88709		
Cardington	559	60504	58051	21013	657//	12307	86650		
Wittering	462	70106	62032	21314	785//	11307	81825	83645	86656
Watnall	354	70305	57042	21614	753//	12307	83708	87623	
Shawbury	414	33207	75021	22511	28431	10305	81814		
Finningley	360	73505	82026	21814	756//	12209	87632		
Spurn Point	396	30110	68021	21514	28471	11304	81810		
Leeming	257	73206	70022	22713	753//	11306	81708	87620	
Tynemouth	262	83305	81022	23112	3567/	10103	83635	87359	
Carlisle	222	71102	65031	22612	754//	10308	81714	84620	87646
Valley	302	73411	75021	24013	754//	09204	87618		
Ringway	334	83004	60022	22514	863//	13306	88709		
Squires Gate	318	53107	70031	22414	45401	12308	83615	83635	
Ronaldsway	204	23511	82020	22912	18431	08104	81714		
Mull of Galloway	131	53617	82030	23312	15506	09307	81625	85275	
Eskdalemuir	162	80000	70021	23011	854//	10306	86710	88630	
Prestwick	135	71202	70031	23509	754//	08208	81712	83618	87635
Abbotsinch	140	72803	82021	23212	45432	10209	81714	84620	86072
Leuchars	171	70000	86022	22712	755//	11301	87620		
Dyce	091	72803	86022	22112	754//	09304	82618	87622	
Lerwick	005	72805	65028	19311	782//	09301	81705	87628	
Wick	075	72506	85022	21411	785//	09302	81820	87630	
Sule Skerry	010	82709	74022	20612	855//	10603	88625		
Cape Wrath	049	82717	80032	21111	855//	10400	88625		
Stornoway	026	72307	84022	21812	755//	10804	82625	87645	
Benbecula	022	82208	82032	22613	854//	10704	82618	84625	88640
Tiree	100	72805	86032	24212	755//	10500	82626	87635	
Aldergrove	917	73308	84022	24512	6543/	08303	86618	83359	
Malin	980	72807	89012	24813	755/2	09301	87626	83075	
Belmullet	976	82106	70022	25513	862//	12201	83705	85716	87638
Birr	965	10000	08444	26106	15630	06204	81636		
Dublin	969	62806	75031	25108	655/2	07307	86622	83070	
Shannon	962	60000	82021	26311	56432	10206	82718	84640	
Roches Point	952	13309	80010	25612	16401	11208	81717		
Valentia	953	10305	82031	26013	15602	12101	81635		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00110	05	+	+
Hurn	862	00110	08	+	+
Manston	797	00130	12	+	+
Gatwick	776	00110	07	+	+
Kew	775	00120	05	+	+
Heathrow	772	00150	11	+	+
Honington	586	00100	07	+	+
Wattisham	590				
Gorleston	497				
Aberporth	502	00120	10	+	+
Filton	628	00130	09	+	+
Rhoose	715	00100	05	+	+
Hartland Point	703	00140	12		
Mount Batten	827	00140	10	+	+
St. Mawgan	817	00130	11	+	+
Scilly	804	00130	12	+	+
Culdrose	809	00130	12	+	+
Guernsey	894	00130	12	+	+
Elmdon	534	97130	11	+	d.d.
Cardington	559	00130	11	+	+
Wittering	462	00130	12	+	+
Watnall	354	00140	13	+	+
Shawbury	414	00110	08	+	+
Finningley	360	97140	13	r.	+
Spurn Point	396			+	+
Leeming	257	00130	11	+	+
Tynemouth	262	00130	12	+	+
Carlisle	222	00100	05	+	+
Valley	302	00120	07	+	+
Ringway	334	97130	13	+	r.d.
Squires Gate	318	00130	10	+	+
Ronaldsway	204	00110	08	+	+
Mull of Galloway	131	00100			
Eskdalemuir	162	00090	05	+	+
Prestwick	135	00050	00	+	+
Abbotsinch	140	00080	03	+	+
Leuchars	171	00110	09	+	+
Dyce	091	00120	11	+	+
Lerwick	005	91101	10	+	pr.id.
Wick	075	00111	10	+	+
Sule Skerry	010	00100	10		
Cape Wrath	049	00100	10	+	+
Stornoway	026	97101	08	+	id.
Benbecula	022	00121	09	+	+
Tiree	100	00101	07	+	+
Aldergrove	917	97111	11	d.	+
Malin	980	0013	11		
Belmullet	976	9712	11		
Birr	965	9705	02		
Dublin	969	9708	04		
Shannon	962	9710	07		
Roches Point	952	9712	10		
Valentia	953	9712	09		

Code FM 21.V **OCEAN WEATHER STATION REPORTS at 00h.**

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	31001	12508	98021	22712	11500	00201	81829	/////	05111	11295	3//02	///03
L	99569	70199	31004	92017	91474	20713	9////	00000	89/01	/////	0/13	11314	30604	33904
M	99661	10026	31004	62610	97022	10609	34440	00212	/////	/////	00007	10933	30503	/////
R	99471	70170	31004	80509	96025	30516	862//	00102	88705	/////	0/16	11775	30000	02502

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	31061	22608	98030	22613	21600	00102	82830	/////	00112	11270	3//03	///03
L	99569	70200	31064	92217	92474	18813	9////	61709	89/01	/////	0/13	11313	30604	99/04
M	99661	10026	31064	72310	97028	11609	42470	00204	/////	/////	00108	10937	30402	/////
R	99471	70169	31064	81102	95102	29615	862//	00602	88705	/////	0/16	11769	30000	02502

RATES OF SUBSCRIPTION Can be obtained from The Secretary, Meteorological Office, Met O 18c (DWR), London Road, Bracknell, Berks. RG12 2SZ.

H.M.S.O. Press, Met.O. Bra