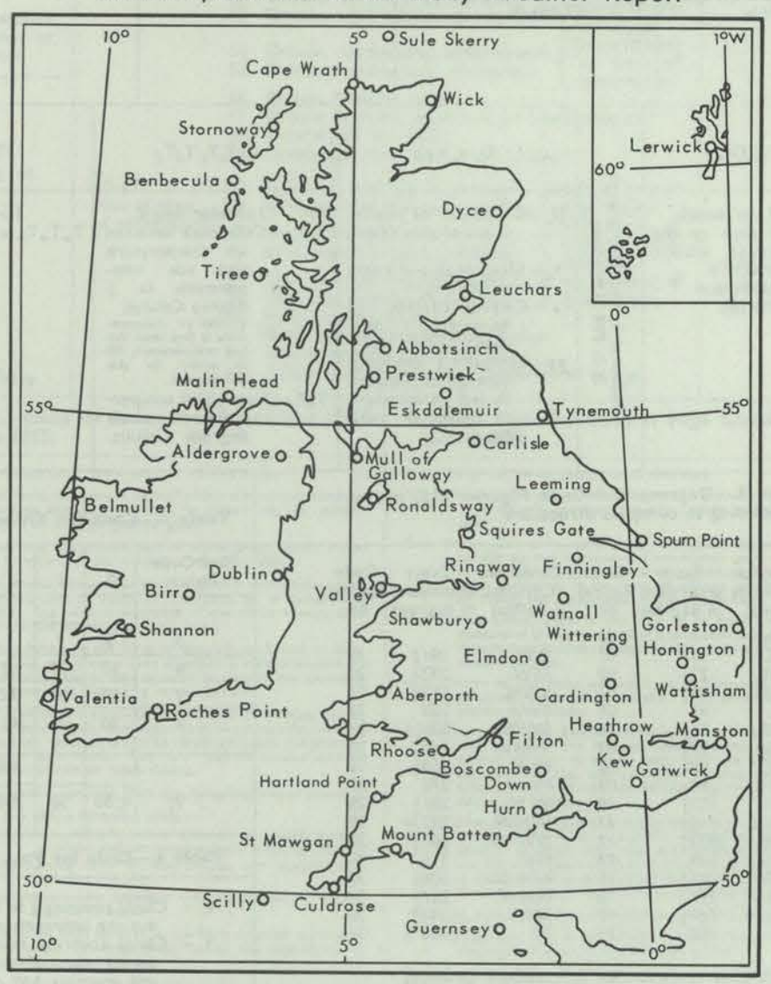
THE DAILY WEATHER REPORT

(INTRODUCTION)

1st October to 31st December, 1978

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 $h_s h_s$	RR $T_x T_x$ E sss RR $T_n T_n$ E $T_g T_g$	
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).	$T_d T_d$ = 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). $h_s h_s$ = Height of base of cloud (Table 12).	RR = Rainfall (Table 19) (Code 3577) (09h–21h) (21h–09h). $T_x T_x$ = Maximum temperature in whole degrees Celsius (09h–21h). $T_n T_n$ = Minimum temperature in whole degrees Celsius (21h–09h). $T_g T_g$ = 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	I $T_wT_wT_w$ t_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.	I = 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. has become thinner during the preceding hour.
	43	Fog or ice fog, sky not discernible. has become thinner during the preceding hour.
	44	Fog or ice fog, sky discernible. no appreciable change during the preceding hour.
	45	Fog or ice fog, sky not discernible. no appreciable change during the preceding hour.
	46	Fog or ice fog, sky discernible. has begun, or has become thicker during the preceding hour.
	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. slight at time of observation.
	51	Drizzle, not freezing, continuous. slight at time of observation.
	52	Drizzle, not freezing, intermittent. moderate at time of observation.
	53	Drizzle, not freezing, continuous. moderate at time of observation.
	54	Drizzle, not freezing, intermittent. heavy (dense) at time of observation.
	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. slight at time of observation.
	61	Rain, not freezing, continuous. slight at time of observation.
	62	Rain, not freezing, intermittent. moderate at time of observation.
	63	Rain, not freezing, continuous. moderate at time of observation.
	64	Rain, not freezing, intermittent. heavy at time of observation.
	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. slight at time of observation.
	71	Continuous fall of snow flakes. slight at time of observation.
	72	Intermittent fall of snow flakes. moderate at time of observation.
	73	Continuous fall of snow flakes. moderate at time of observation.
	74	Intermittent fall of snow flakes. heavy at time of observation.
	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.
	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 during the preceding hour, but not 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 } wind speed in metres per second
1 = wind speed obtained by anemometer } wind speed in metres per second
3 = wind speed estimated } wind speed in knots
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		

H M S O Press, Bracknell, Berks.

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

No. 275 — MONTHLY SUMMARY — For NOVEMBER 1978

MILD AT FIRST, BECOMING COLD IN THE LAST WEEK WITH SOME SNOW

For the first 22 days of the month an anticyclone over central Europe broadly dominated the weather situation, giving a generally mild airflow from between south and west across the British Isles. Fronts affected parts of the country on most days, but precipitation amounts were generally small in the south. On the 23rd and 24th an anticyclone developed in the central Atlantic and a cold front moved south across the country, followed by a cold northerly airstream. A ridge of high pressure affected most of the country until the 28th with a northerly or northeasterly airstream over eastern districts. On the 29th and 30th a southerly airflow became established in western districts and fronts affected Northern Ireland and western Scotland.

It was often cloudy at the beginning of the month with some rain at times. Fog occurred in southern England and the Midlands on the night of the 2nd/3rd, and again on the night of the 4th/5th. It was mainly dry on the 5th and 6th and warm with long sunny periods in places. It remained warm in eastern districts for the next three days, but periods of rain occurred elsewhere and it was heavy in western Scotland on the 8th. It became cold at night with slight air frost in inland areas of England and Wales on the nights of 8th/9th and 9th/10th. Fog also occurred in these areas and persisted all day in parts of southeast England on the 10th and in parts of eastern England on the 11th. Meanwhile mainly cloudy weather with periods of rain continued to affect Scotland. Southwesterly gales occurred in northern and western Scotland on the 9th. On the 12th rain occurred in most districts and was heavy at times in northern and western districts, and southerly gales veering to become westerly occurred in northern Scotland. Unsettled weather continued in the north with strong or gale southwest to west winds, and a gust of 100 kt was reported from Fair Isle on the 14th. Variable weather with periods of rain, mainly in the north, continued until the 23rd. It was also generally mild during this period. On the 23rd and 24th a belt of rain moved southeastwards across the country and it became generally colder. This cold weather persisted for the remainder of the month with snow showers, mainly in eastern and northern districts, and drifting occurred in strong winds in northern Scotland on the 27th. However, snow depths were generally less than 10 cm (4 ins). Widespread frost occurred, and freezing fog patches formed in central and eastern England on the nights of the 28th/29th and 29th/30th and persisted all day in places. On the 30th cloudy weather with rain, preceded in some places by sleet or snow, reached Northern Ireland and western Scotland.

In spite of the cold spell at the end of the month, monthly mean temperatures were above average in all districts and were about 2°C above average in parts of London, the Midlands, and the Manchester area.

Precipitation amounts were above average in Northern Ireland and in Scotland except the east. It was much above average in western Scotland, where Fort William had its wettest November since 1953 with two and a half times the November average. Elsewhere amounts were below average, and less than half the average occurred in parts of eastern Scotland, eastern England and central and southern England. Parts of southeastern England had less than a quarter of the average rainfall.

Sunshine amounts were below average in Northern Ireland, and western districts of Scotland, England and Wales. The Hebrides had 60-65 per cent of average. Elsewhere amounts were above average, and they were one and a half times the average in parts of the Midlands and parts of northern England.

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	12.0	+2.3	05.7	+1.7	17.3	08	−07.2**	30	15	06	05	07.5	20	083	143	1880	103	1971	022	1897	23	06	12	013	021	1866	172	1940	07	1945	00	01	00
Cardington	11.8	+2.8	04.8	+1.3	17.3	(a)	−06.5	27	11	07	04	07.7	20	087	156	1949	101	1973	028	1968	22	04	(a)	017*	033	1947	110	1970	17	1956	00	01	04
Boscombe Down	11.4	+2.0	05.4	+1.5	16.5	02	−05.0	29	11	05	08	07.5	20	073	115	1932	112	1977	035	1939	20	09	19	026	032	1931	208	1951	10	1945	00	00	02
Rhoose	11.7	+1.5	07.0	+2.3	16.8*	01	−05.2**	29	09	04	05	07.4	28	061	101	1954	106	1971	041	1958	14	11	12	056	057	1954	215	1970	32	1956	00	02	00
Mount Batten	12.7	+1.6	08.0	+1.6	17.1	10	−02.9	29	07	03	10	07.5	08	062	091	1921	122	1923	036	1944	15	22	18	047	043	1921	274	1929	25	1945	00	00	00
Elmdon	11.2	+2.3	05.3	+1.7	16.0	04	−08.0	30	10	07	07	08.1	09	086	169	1945	100	1977	023	1945	20	07	24	028	041	1940	168	1940	02	1945	00	02	01
Valley	11.7	+1.2	08.4	+2.3	17.0	07	−01.9	28	04	02	06	07.1	06	054	087	1946	089	1965	034	1946	13	16	23	072	074	1941	187	1959	28	1955	00	02	00
Ringway	10.9	+2.0	06.2	+2.2	15.8	04	−04.7	27	08	05	03	08.0	09	075	153	1945	089	1975	024	1946	20	22	18	066	085	1942	171	1951	11	1945	00	01	00
Watnall	10.9	+2.2	05.5	+1.7	16.0	04	−05.0	30	11	06	10	07.3	26	071	145	1948	085	1977	034	1963	19	06	19	033	047	1941	145	1951	07	1945	00	01	02
Finningley	11.3	+2.1	05.2	+1.0	16.5	(b)	−07.5**	30	12	07	05	07.6	09	087	159	1958	095	1977	034	1968	22	06	23	021	034	1958	126	1969	18	1958	00	02	01
Tynemouth	11.0	+2.2	06.5	+1.4	16.1	18	−02.7	28	07	05	06	07.1	26	077	145	1936	097	1973	019	1968	20	08	23	021	032	1864	170	1878	09	1894	00	03	01
Eskdalemuir	08.6	+1.4	04.1	+2.2	12.5	07	−07.4	27	10	08	12	07.2	26	043	081	1911	089	1925	020	1946	09	43	15	253	172	1911	297	1938	18	1945	00	06	00
Abbotsinch	10.3	+1.6	05.5	+2.2	14.7	04	−07.0	28	08	06	10	06.5	26	049	104	1921	088	1947	023	1941	08	30	13	174	186	1921	205	1938	08	1945	00	02	01
Leuchars	10.0	+1.5	04.9	+1.7	15.8	04	−03.3	29	11	06	04	06.7	26	072	106	1921	109	1947	033	1968	16	15	14	034	052	1921	194	1963	11	1942	00	02	00
Dyce	09.6	+1.6	03.9	+1.3	15.7	14	−04.4	29	15	07	03	07.0	06	075	128	1941	089	1976	023	1941	19	09	14	027	032	1942	215	1951	19	(b)	00	06	00
Stornoway	08.9	+0.1	04.9	+0.9	13.4	07	−01.2	28	06	02	13	04.3	26	029	061	1880	073	1968	019	1881	05	26	09	190	170	1943	199	1977	24	1945	02	06	00
Aldergrove	10.5	+1.6	05.7	+1.8	15.0	(c)	−05.2	28	06	04	08	07.2	02	047	085	1927	082	1977	026	1962	11	11	14	100	119	1927	153	1951	15	1942	00	04	00

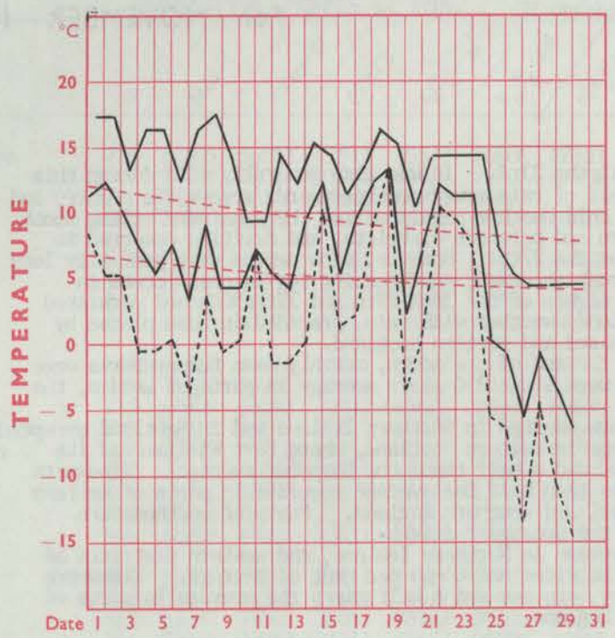
(a) 01, 08
(b) 02, 04, 08
(c) 04, 07

* New highest
** New lowest

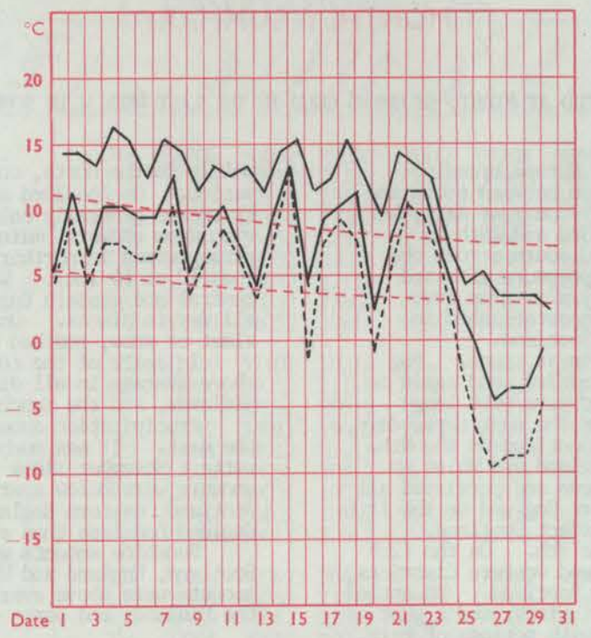
(a) 19, 24
(b) 1958, 1964

* Equal lowest

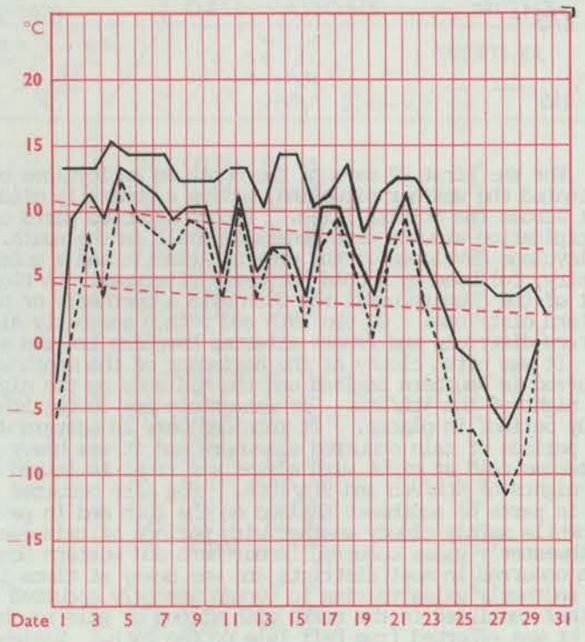
LONDON (Kew)



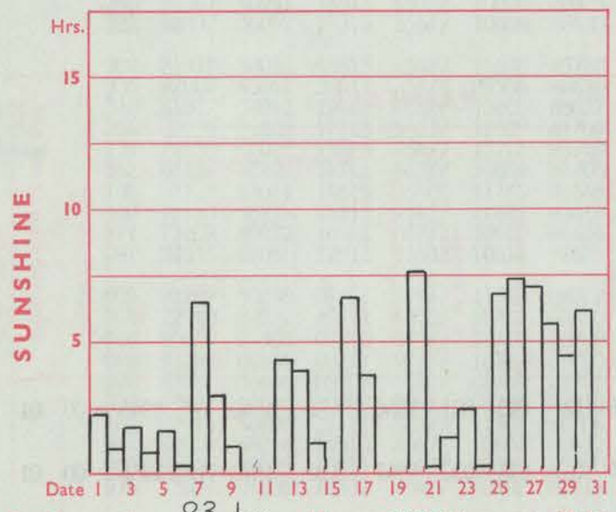
MANCHESTER (Ringway)



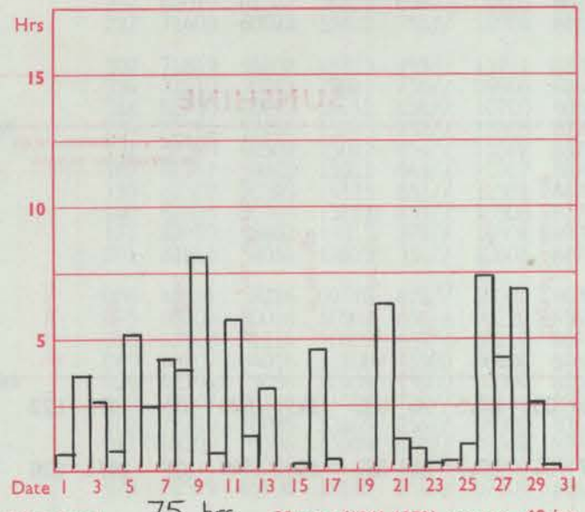
GLASGOW (Abbotsinch)



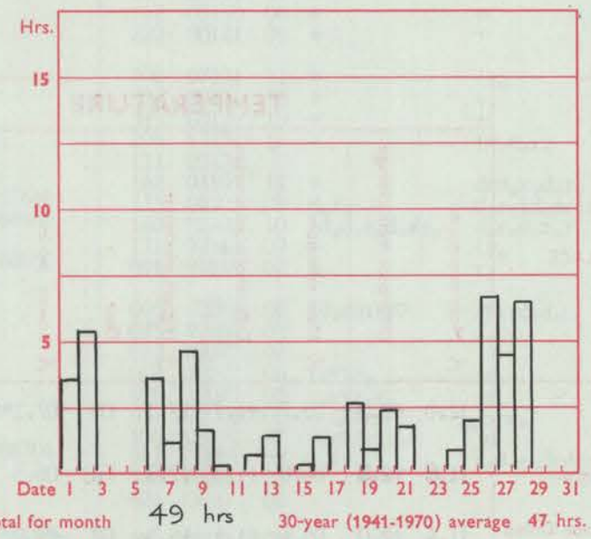
Maximum temperatures read at 21 h. G.M.T. daily, and minimum temperatures, read at 09 h. G.M.T. daily, are shown in full lines.
Grass minimum temperatures, read at 09 h. G.M.T. daily, are shown by a pecked line. Pecked lines in red show normal values. (1941-1970)
Normals for Kew are based on North Wall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



Total for month 83 hrs 30-year (1941-1970) average 58 hrs.

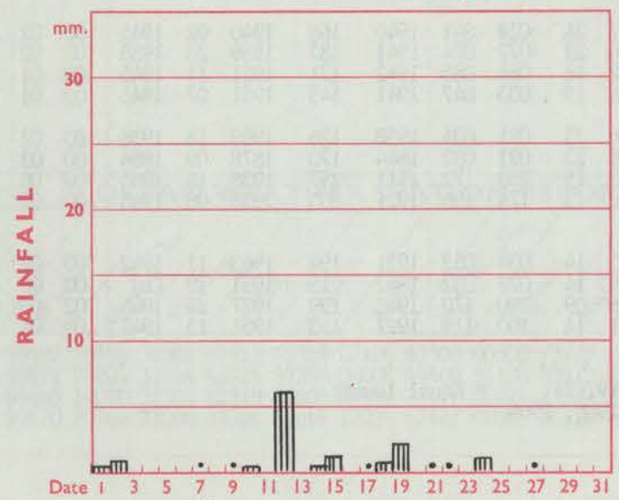


Total for month 75 hrs 30-year (1941-1970) average 49 hrs.

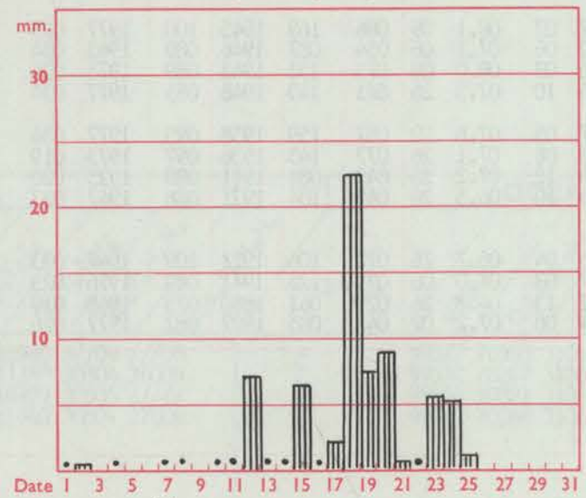


Total for month 49 hrs 30-year (1941-1970) average 47 hrs.

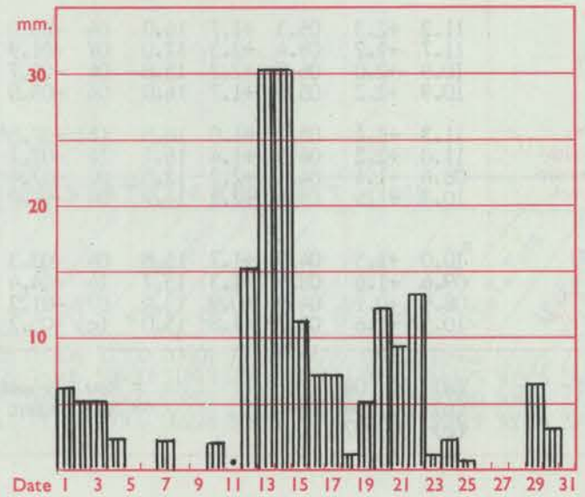
The rainfall entry made for each day represents the total fall for the 24-hour period beginning at 09 h. G.M.T. on that day. Trace (less than 0·05 mm) is indicated by " • "



Total for month 13 mm 30-year (1941-1970) average 62 mm.



Total for month 66 mm 30-year (1941-1970) average 78 mm.



Total for month 174 mm 30-year (1941-1970) average 94 mm.

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

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42713

Date of Issue WEDNESDAY 1 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 31 October 1978

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	72110	64012	22514	784//	10002	82815	87635	
Hurn	862	72007	61012	22815	756//	09001	87635		
Manston	797	71910	27052	23413	756//	11802	87640		
Gatwick	776	61907	50042	22914	38430	11802	81815	83645	85360
Kew	775	72705	56051	22515	785//	10803	81820	87650	
Heathrow	772	72104	57051	22415	785//	10000	81828	87645	
Honington	586	72007	44052	22113	756//	09802	87638		
Wattisham	590	71806	37052	22512	756//	10804	87640		
Gorleston	497	81906	48052	22613	855//	10704	88625		
Aberporth	502	81720	56508	18313	853//	12503	81706	86710	88635
Filton	628	72410	60052	21515	785//	11801	83825	87650	
Rhoose	715	71907	58052	20915	18434	11000	81818	86078	
Hartland Point	703	72321	60021	19615	40911	11803	84460	86075	
Mount Batten	827	82015	59202	21514	854//	12801	84711	88625	
St.Mawgan	817	71808	59051	20515	7843/	11000	83812	87638	
Scilly	804	81813	60022	20115	855//	13705	88628		
Culdrose	809	72113	50052	20715	3843/	12802	82818	87360	
Guernsey	894	72013	62022	23214	754//	10801	81712	83625	87640
Elmdon	534	72113	58042	20514	75432	10000	81716	86645	
Cardington	559	72210	60052	21615	68582	09805	81820	83640	85657
Wittering	462	62112	56042	21014	45630	10802	84645	83359	
Watnall	354	72110	45055	20413	754//	11802	82712	87645	
Shawbury	414	71812	58042	19214	38518	10804	81822	83635	87270
Finningley	360	71911	38042	19313	756//	11804	82638	87645	
Spurn Point	396	81810	40022	20313	856//	10701	88635		
Leeming	257	71811	50042	17914	756//	10706	87647		
Tynemouth	262	82014	56052	17114	4567/	10602	84630	88358	
Carlisle	222	82107	63612	16513	5542/	12001	81712	83626	88459
Valley	302	81823	26636	16813	872//	13808	84703	88706	
Ringway	334	72010	40212	19213	755/6	11706	81620	87645	86272
Squires Gate	318	81611	57602	17914	7567/	12804	81630	87642	88460
Ronaldsway	204	83613	64612	16611	854//	09002	81710	88619	
Mull of Galloway	131	83420	65216	17311	3252/	10218	83820	88460	
Eskdalemuir	162	82806	30636	16111	853//	09305	86708	88620	
Prestwick	135	82707	65616	17111	853//	11217	81709	83630	88640
Abbotsinch	140	82605	68616	16811	6542/	09216	82711	85635	88458
Leuchars	171	82509	68216	15511	6542/	10212	81710	86656	88460
Dyce	091	70000	75016	14811	7537/	09211	81708	83618	85630
Lerwick	005	42414	80015	11710	28432	08214	82811		
Wick	075	72408	82021	13511	3857/	06206	81820	83635	85359
Sule Skerry	010	82709	58808	12509	6247/	07211	86810	88358	
Cape Wrath	049	82707	89801	12610	835//	07211	88925		
Stornoway	026	62408	84028	13409	18502	07215	81820	86072	
Benbecula	022	62613	84018	14811	28432	06219	81818	85360	
Tiree	100	82513	82012	16011	4847/	07215	82818	88464	
Aldergrove	917	81902	75216	18010	1732/	08111	81706	88457	
Malin	980	72912	80018	17511	784//	07215	83715	86642	
Belmullet	976	32811	82011	18412	38400	07213	81718	83640	
Birr	965	80000	66616	19109	7642/	08013	87712	88458	
Dublin	969	83007	60616	18609	852//	08308	83705	88625	
Shannon	962	72802	80216	19710	5827/	08210	81705	83718	87459
Roches Point	952	73311	65616	19210	1732/	08315	81709	87539	
Valentia	953	53304	82016	19711	58500	08313	81826	84635	

OBSERVATIONS at 18h. 31 October 1978

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	82108	58052	23313	854//	11310	82711	88635	
862	82010	50602	23414	855//	12207	88625		
797	72006	50052	24610	1567/	09313	81640	87362	
776	72105	58042	24313	756//	10314	87645		
775	72006	58052	23714	756//	10310	87640		
772	71907	56052	23314	756//	10309	87645		
586	61903	45052	23411	20938	08314	82362	86272	
590	72005	40052	23811	755//	09314	81625	87649	
497	81906	56051	23312	8091/	11211	88460		
502	73616	57616	22410	771//	09334	81702	87706	
628	82308	62022	22614	884//	11210	83817	88639	
715	82205	62021	21714	855//	11310	81620	83630	88645
703	82412	64606	20614	3757/	11209	83620	88460	
827	72110	58056	22714	4543/	12313	81710	83645	
817	71706	56622	21613	5537/	12210	82709	85614	87360
804	62207	62026	21414	56430	13309	85710	83820	
809	72009	30616	21813	6823/	13209	83704	84612	
894	81912	56216	24113	7537/	11110	81708	83618	86631
534	71705	57042	21613	45638	09313	84647	85366	87270
559	62006	58052	22910	15732	09312	81650	83362	85075
462	41804	57041	22411	20932	09314	82359	84075	
354	72110	56052	21513	756//	10115	87645		
414	82407	64622	20913	854//	11217	83618	84630	88650
360	71605	50042	20714	756//	10315	87631		
396	72006	57032	21512	50976	11215	85360	87275	
257	83011	57646	21011	3742/	10331	83711	88520	
262	83212	35636	21010	8052/	09339	88525		
222	71802	60616	21409	754//	08131	81710	84625	87648
302	73605	66616	23209	6837/	09237	81708	86630	87457
334	82609	35636	20913	5742/	11320	82710	84715	88518
318	80213	62606	21410	854//	09236	82615	83625	88646
204	73502	82016	22509	28438	08135	81711	86270	
131	73512	80026	22310	5852/	09233	82820	85625	87460
162	80000	80216	21807	1742/	06227	81715	88464	
135	33209	82016	21709	18430	06233	81815		
140	22804	80016	21407	18530	06234	81820		
171	72506	80026	20009	2567/	08229	81632	87360	
091	72804	80016	19109	7091/	08231	87460		
005	42412	80216	14507	19432	05217	81912	83075	
075	32306	86011	17907	18432	04227	81818		
010	32720	81018	15809	32400	06215	83815		
049	42715	89018	15809	42500	05213	84825		
026	32211	89038	17707	14550	03224	81620	83362	
022	12213	85021	17809	11400	03113	81819		
100	12108	89011	20008	11500	04120	81820		
917	13103	82016	23507	18400	06234	81818		
980	12308	84011	21409	15600	05018	81640		
976	12104	82020	21807	16402	05209	81718		
965	10000	80016	23407	15600	05114	81635		
969	12805	75016	23708	18500	07231	81821		
962	33503	82031	23109	00902	07112	83075		
952	13203	80036	24109	15602	06321	81645		
953	40403	83031	23309	11502	06219	81826	84070	

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97140	000	+	r_o
862	97150	000	+	r_or_o
797	00140	001	+	+
776	00160	003	+	+
775	00150	016	+	+
772	00150	011	+	+
586	00140	009	+	+
590	00140	000	+	+
497		004		
502	97131	000	$id_or_od_o$	d_or_oRRfrr
628	00160	005	+	+
715	97160	010	+	ir_o
703	01152	007		
827	97151	000	d_o	r_o
817	01161	004	+	ir_or
804	94150	001	ir_o	ir_o
809	02152	016	+	$ir_or_or_o$
894	97140	000	+	ir_oid_o
534	97151	006	+	r_or_o
559	00170	020	+	+
462	00160	020	+	+
354	97140	000	+	d_o
414	05151	001	+	$r_orRr_or_o$
360	97151	000	+	ir_o
396			+	+
257	04151	000	r_o	r_orR
262	06142	000	ir_o	r_o
222	07141	000	$r_or_oir_oRr$	rrr_o
302	09141	000	r_or_orr	rrr_or_o
334	02141	000	r_o	$r_orr_or_orr$
318	04141	000	$r_or_oir_or$	$r_oRrr_or_o$
204	06131	000	$d_or_orRir_o$	rr_or_o
131	10131			
162	13121	000	$d_or_odrRrrr_o$	rr
135	03111	001	$rir_or_or_o$	jp
140	95121	001	$r_or_oir_o$	+
171	95131	000	r_or_o	r_or_o
091	02111	000	$ir_or_or_o$	r_or_oR
005	94101	021	+	ir_opr_o
075	00111	019	+	+
010	01111			
049	01101	006	pr_o	+
026	01101	028	$prpr_o$	+
022	93111	032	pr	+
100	00111	018	jp	+
917	02121	008	r_orrr_o	+
980	9712	016		
976	9713	050		
965	0711	018		
969	0612	002		
962	0613	037		
952	0713	031		
953	0413	049		

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

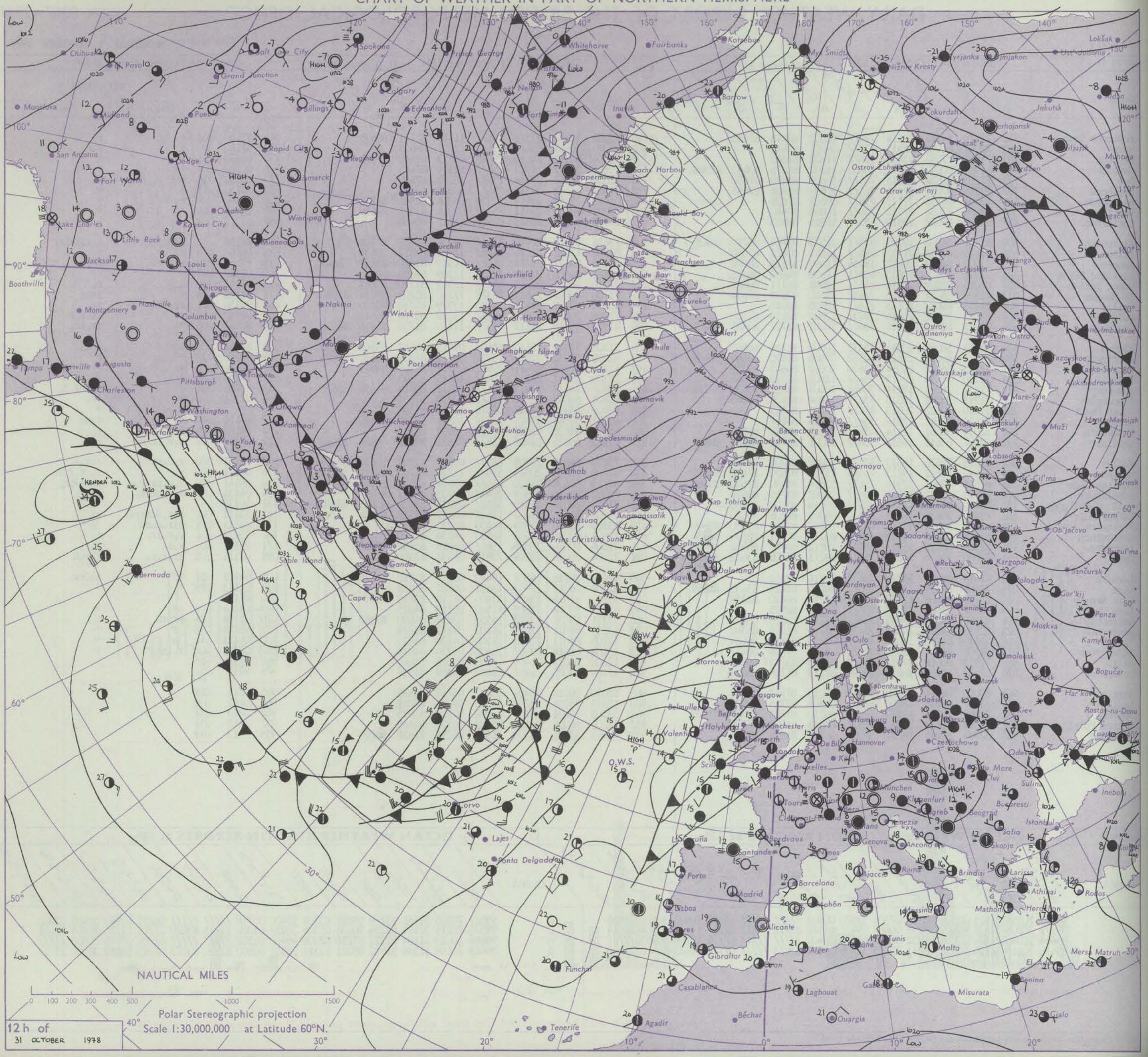
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	31121	72909	98028	07504	33570	00803	/////	/////	06052	10933	30403	31908
	99571	70208	31124	62832	97259	00608	694//	61320	83912	83815	0//04	11163	30708	22014
	99664	10040	31124	72016	97032	02007	66420	00400	/////	/////	0//06	10706	30303	/////
	99470	70169	31124	30910	98011	22015	32501	00103	83823	/////	0//09	11623	30402	27406

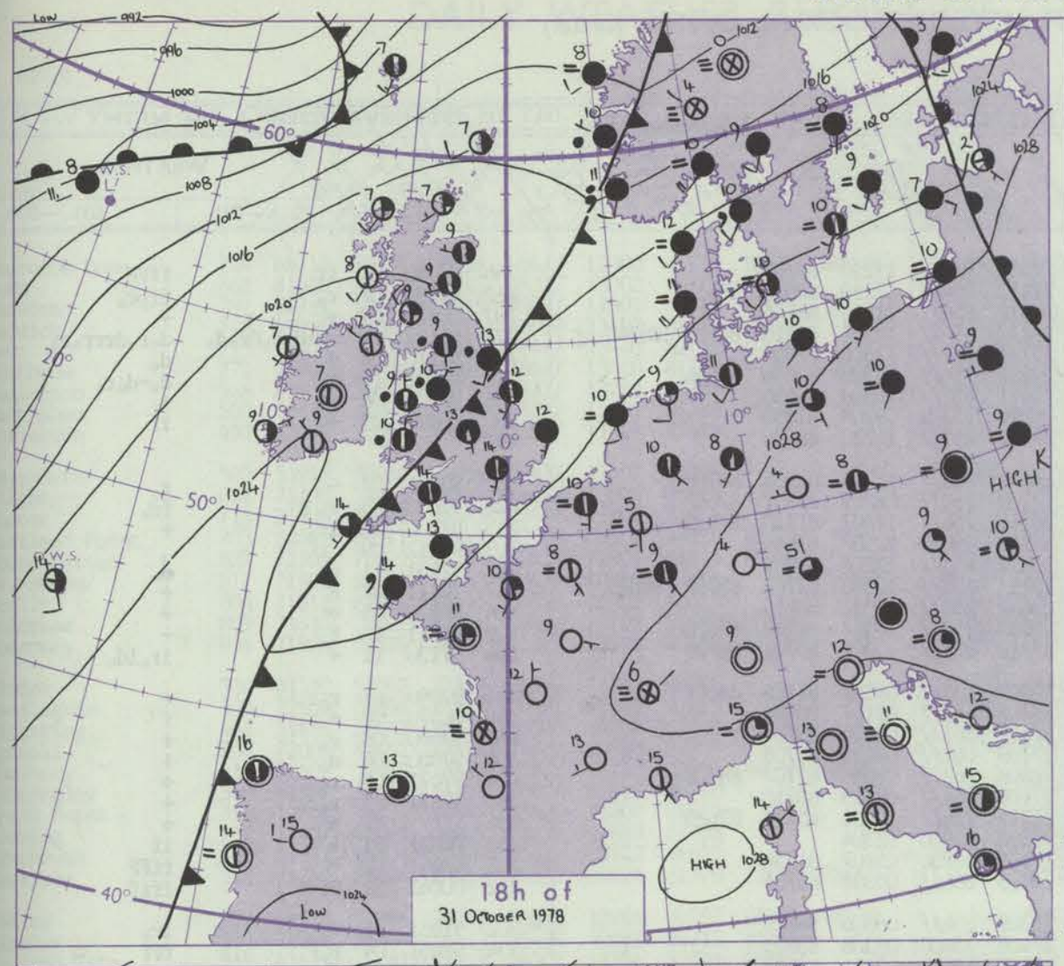
OCEAN WEATHER STATION REPORTS at 18h.

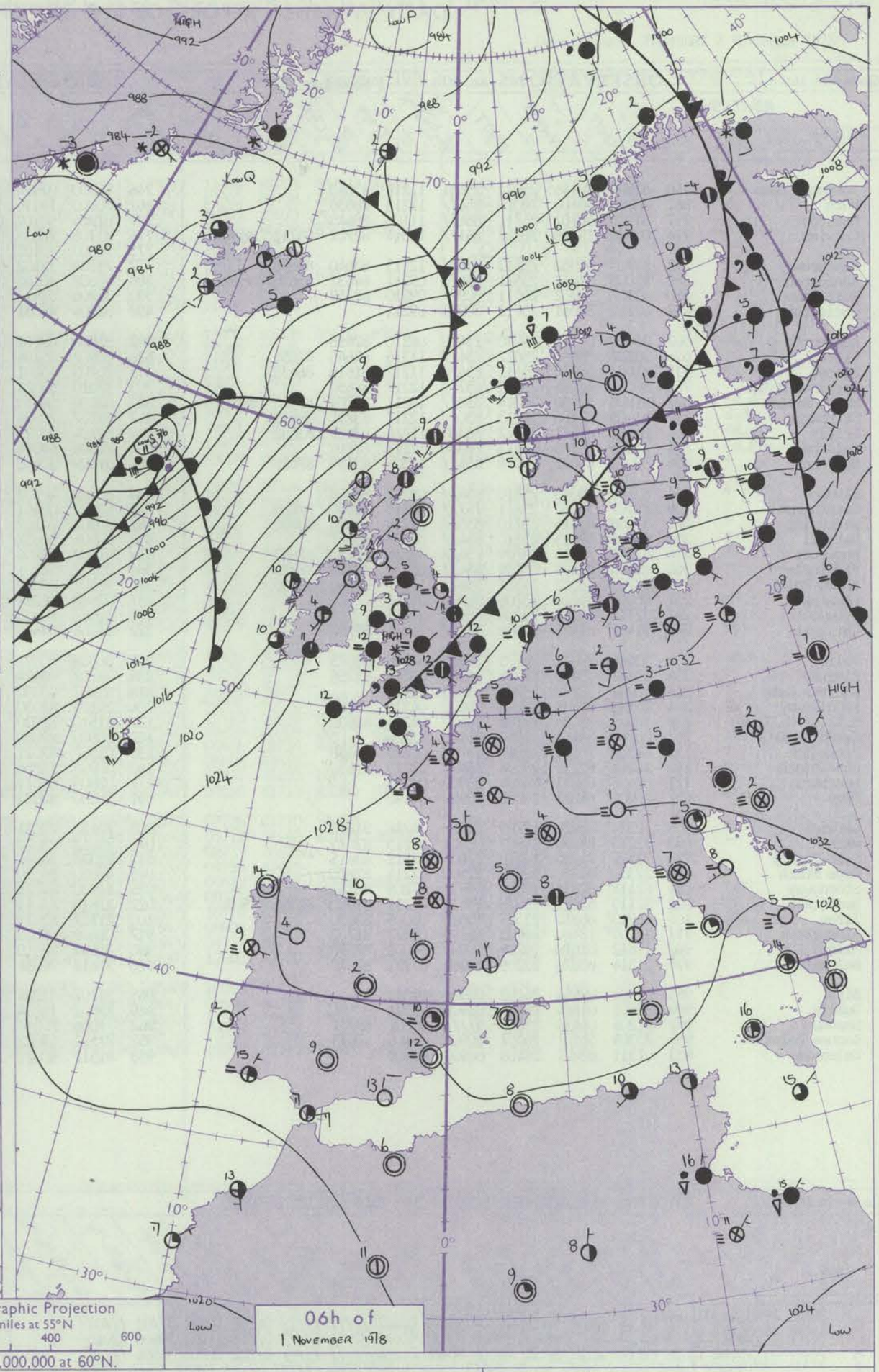
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	31181	53109	98028	03704	53400	00718	/////	/////	06153	10940	30403	31908
	99570	70211	31184	82224	96038	05308	3842/	61000	81815	83620	0//02	11175	30705	22011
	99664	10023	31184	62222	97258	02006	49460	00302	/////	/////	0//04	10719	30505	/////
	99469	70169	31184	51612	98031	21314	28552	00500	81820	83073	0//10	11669	30000	27012

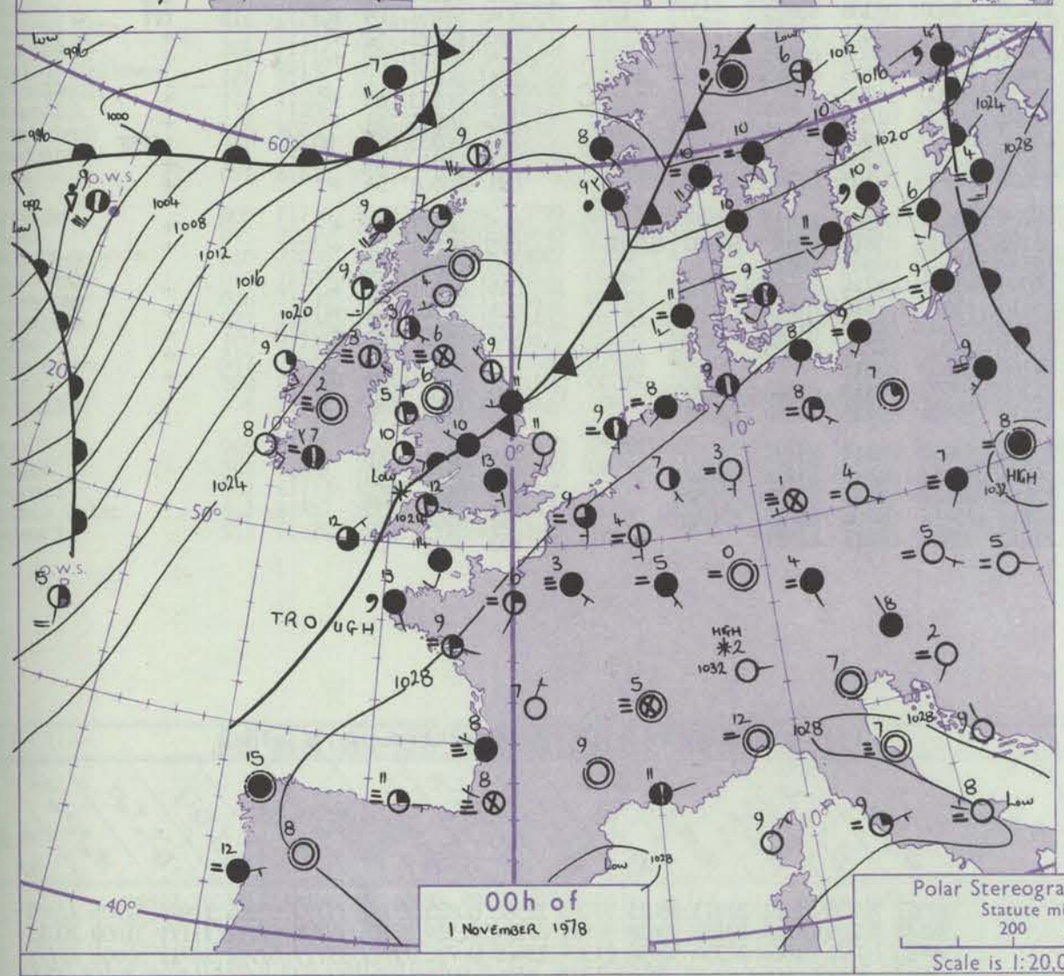
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 1 NOVEMBER 1978

During the past 24 hours a cold front has travelled slowly across the southern U.K. whilst a deep developing low has moved rather quickly towards Iceland from the south.

During the next 24 hours the Iceland low is expected to continue moving northwards. The associated warm front will cross northern Scotland, but the cold front will move more slowly into southern Scotland.

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

Code FM 11.V

OBSERVATIONS at 00h. 1 November 1978

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	51806	30116	25911	35631	11214	83645		
Hurn	862	80000	40106	26013	856//	12213	88636		
Manston	797	81905	56102	26711	856//	11108	88645		
Gatwick	776	80000	15506	26912	851//	12314	82702	84712	88645
Kew									
Heathrow	772	81705	44052	25713	856//	12213	83640	88656	
Honington	586	82005	35052	25511	6567/	09211	84632	85656	88362
Wattisham	590	82107	50052	26011	8097/	09210	88359		
Gorleston	497	02105	58051	25711	00900	09211			
Aberporth	502	21010	84016	24910	25400	08210	82618		
Filton	628	72102	58056	25612	756//	11316	82645	87656	
Rhoose	715	81002	62036	25112	854//	11217	81616	88635	
Hartland Point	703	80000	66026	23813	857//	12217	88650		
Mount Batten	827	81906	57056	25014	852//	13211	83704	85618	88643
St.Mawgan	817	81405	40106	24213	850//	12211	83701	88615	
Scilly	804	60305	81031	24912	68300	11216	83809	83632	
Culdrose	809	21805	50106	24413	26300	12211	82706		
Guernsey	894	82010	65022	26014	854//	12207	83614	87626	
Elmdon	534	83106	56046	25510	854//	09217	88619		
Cardington	559	72107	57052	25411	757//	10314	83650	87656	
Wittering	462	82006	40216	25110	855//	09214	85626	88656	
Watnall	354	63505	57015	25510	654//	08222	86617		
Shawbury	414	72504	72016	25709	756//	08216	82630	87650	
Finningley	360	83306	62036	25109	854//	08226	82710	88616	
Spurn Point	396	82705	58022	24311	5567/	10217	85640	88360	
Leeming	257	00000	84016	25206	00900	06211			
Tynemouth	262	02712	69026	25208	00900	06315			
Carlisle	222	91402	01476	26006	9////	06231	89/00		
Valley	302	33606	70016	26105	00902	04316	83075		
Ringway	334	11702	05416	25408	16300	08215	81708		
Squires Gate	318	00000	50116	25706	00900	06218			
Ronaldsway	204	20105	82031	26105	00902	04221	82075		
Mull of Galloway	131	10505	83026	26307	15600	07224	81630		
Eskdalemuir	162	00000	50101	26650	00900	51226			
Prestwick	135	41305	70030	26003	45700	03225	84650		
Abbotsinch	140	12102	62110	25704	15600	03223	81630		
Leuchars	171	02406	84021	24404	00900	02232			
Dyce	091	00000	84021	24002	00900	01140			
Lerwick	005	12324	82028	17709	11400	04218	81816		
Wick	075	22215	84030	20907	00901	02215	82075		
Sule Skerry	010	32529	74030	18310	32400	07212	83815		
Cape Wrath	049	22330	84020	18009	22500	07214	82820		
Stornoway	026	62118	82031	19609	6093/	07206	86362		
Benbecula	022	52115	82011	20810	15632	07211	81640	84360	85070
Tiree	100	31813	86010	22509	35600	06005	83630		
Aldergrove	917	11405	12400	26403	16100	03222	81702		
Malin	980	11612	81010	24206	00902	04008	81070		
Belmullet	976	21514	80020	22209	00902	07711	82070		
Birr	965	00000	09444	26102	00900	01010			
Dublin	969	02801	01464	26604	00900	03221			
Shannon	962	91206	06434	25506	9////	06201	89/01		
Roches Point	952	73304	56101	26007	00902	06106	87075		
Valentia	953	01311	80021	24408	00900	06806			

OBSERVATIONS at 06h. 1 November 1978

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	90000	01474	27411	9////	11210	89/00		
	862	60000	14116	27412	654//	12210	82618	86635	
	797	81905	50102	28512	856//	11210	88645		
	776	81705	20635	28112	4542/	12307	81616	84628	88540
	775	70000	40102	27711	757//	11306	87650		
	772	71504	32102	27412	756//	12308	82636	87656	
	586	62002	30102	27611	657//	10308	86650		
	590	32206	07411	28010	15702	09209	81650		
	497	82304	48051	27612	855//	10210	88620		
	502	81808	60101	24812	862//	11304	83705	88708	
	628	70902	35104	27109	750//	08209	82701	87642	
	715	70705	45101	26211	754//	11207	81710	87632	
	703	32010	66021	24712	35600	12307	83640		
	827	82106	56055	25814	863//	13204	88707		
	817	81707	70024	25113	851//	12306	82702	83708	88610
	804	82204	80022	25812	854//	09310	88615		
	809	71806	64014	25612	753//	10307	81708	87620	
	894	81609	30602	27213	871//	13207	85702	88703	
	534	80502	40102	27209	853//	09307	81706	88647	
	559	61602	08461	27207	657//	07107	86656		
	462	80302	20102	27409	862//	09208	88704		
	354	80504	50052	27709	862//	08210	88705		
	414	81002	15106	26808	863//	08310	82707	88708	
	360	83402	56101	27109	864//	08305	88710		
	396	70307	80032	26211	754//	10801	85712	87625	
	257	03602	56284	27702	00900	02304			
	262	12507	10104	27405	10930	05107	81358		
	222	81206	04464	27005	860//	05302	88701		
	302	80808	70031	25009	854//	08606	88618		
	334	31202	06424	27406	35600	06308	83635		
	318	40907	65030	26303	45600	02201	84643		
	204	21108	82030	25406	28401	05605	82818		
	131	11510	82030	25609	10930	07705	81365		
	162	00000	82020	28153	00900	54500			
	135	01307	82021	25302	00900	01803			
	140	00903	15284	25402	00900	02801			
	171	02803	82011	25202	00900	01500			
	091	10000	82031	23601	10940	00503	81362		
	005	72120	70031	19709	784//	07208	81815	86628	
	075	72012	83021	21108	35632	04811	83640	84360	87072
	010	82324	74031	19110	855//	07805	88620		
	049	42020	84030	18009	45500	06714	84625		
	026	11920	84021	18410	15400	07615	81615		
	022	21819	81011	18409	25500	06819	81626		
	100	21727	82011	20810	25500	06712	82625		
	917	01409	65020	24205	00900	03815			
	980	31624	80010	21508	10932	03513	81360	83070	
	976	31618	76031	18710	35602	07716	83640	83070	
	965	32107	32284	23604	35600	03715	83630		
	969	72601	15284	24504	760//	04812	84701	87624	
	962	71006	70014	23106	2617/	05810	82702	87459	
	952	71511	65022	24211	754//	08706	82714	87628	
	953	61511	80021	21610	38506	08813	81821		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T$_g$T$_g$	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	97080	07	if	ffFF
862	97090	07	r_o	ffpr_o
797	00110	09	+	+
776	04121	11	d_c-$d_or_oRr_od_o$	$d_or_odrrr_or_o$
775	97110	08	+	d_o
772	97121	10	+	d_o-d_or_o
586	97100	06	+	+
590	00090	05	+	if
497				
502	93091	07	+	r_o
628	97070	03	$r_o$jf	fd_o
715	97100	06	ir_o	+
703	94112	09		
827	97131	11	d_o	d_o
817	00111	07	F	+
804	00120	05	+	+
809	00111	10	f	+
894	97130	11	+	ir_oid_o
534	97090	07	r_or_o	+
559	00070	02	+	f
462	97090	08	r_o	+
354	97080	04	d_o	+
414	97071	05	r_o	+
360	97071	03	r_or_o	+
396			+	+
257	00021	51	+	if
262	00041	02	+	ffFF
222	00041	51	FFff	ffif
302	91051	01	+	ir_o
334	97051	04	r_oF	fFF
318	00021	51	+	+
204	91031	50	+	+
131	00071			
162	00543	56	+	+
135	00011	51	+	+
140	00533	56	jfiff	iffFF
171	00510	55	+	+
091	00501	54	+	+
005	00071	05	+	+
075	00051	00	+	+
010	00081	08		
049	00071	06	+	+
026	00081	04	+	+
022	00081	06	+	+
100	00071	03	+	+
917	00021	51	jf	+
980	9706	02		
976	9708	04		
965	9701	51		
969	9702	50		
962	9705	00		
952	9706	02		
953	9704	01		

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_vs_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	01001	52608	97038	02304	53400	00807	/////	/////	06152	10951	3//02	///07
L	99572	70205	01004	71933	96808	98609	794//	41649	87912	/////	0//08	11162	30606	22010
M	99662	10020	01004	52222	97032	04006	56400	00206	/////	/////	0//02	10708	30506	/////
R	99469	70169	01004	31822	98021	19515	25602	00805	82640	/////	0//13	11637	30404	27006

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_vs_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	01061	21913	98011	97005	22500	00833	/////	/////	05904	10984	3//05	///07
L	99571	70205	01064	82138	95638	80511	872//	41524	88704	/////	0//12	11179	31008	20017
M	99663	10022	01064	22334	97258	01307	29400	00710	/////	/////	0//02	10711	30606	/////
R	99470	70169	01064	62025	98031	17316	65602	00710	86640	/////	0//15	11604	30405	27006

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. 42714

Date of Issue THURSDAY 2 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 1 November 1978

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	81711	58604	28614	884//	12000	81710	88635	88635
Hurn	862	81610	35058	28715	853//	13002	85707	88625	
Manston	797	71911	50052	29915	784//	11801	82815	87656	
Gatwick	776	61910	58046	29715	68409	13103	81710	84814	
Kew	775	71908	57055	29116	784//	13400	82710	87650	
Heathrow	772	71906	56056	28816	784//	13000	81710	84630	85656
Honington	586	81808	50052	28714	863//	12802	84709	88712	
Wattisham	590	72110	37054	29214	753//	12801	84708	87640	
Gorleston	497	72008	56031	29214	755//	11001	87625		
Aberporth	502	31919	80016	24814	28431	11807	82816		
Filton	628	71708	59255	27315	784//	13805	86818	83630	
Rhoose	715	21409	58041	26515	28401	13802	81615		
Hartland Point	703	52615	84011	25812	32509	09502	83825	85175	
Mount Batten	827	72105	75022	27514	784//	12001	81815	87622	
St.Mawgan	817	71909	84022	26813	754//	10103	87611		
Scilly	804	71812	82021	26115	6557/	13802	86625		
Culdrose	809	71810	70012	27214	784//	11104	81710	86625	
Guernsey	894	71908	75216	29114	752//	12001	82705	87635	
Elmdon	534	81510	57042	27313	863//	11807	88706		
Cardington	559	72109	58054	28316	744//	13803	87615		
Wittering	462	51810	38052	28113	56300	11806	85707		
Watnall	354	72006	45052	27412	763//	10810	87709		
Shawbury	414	71607	32042	26313	752//	11710	82705	84630	87645
Finningley	360	61807	50042	26713	664//	11812	86710		
Spurn Point	396	12008	56031	27614	15530	11807	81625		
Leeming	257	71407	45041	26009	763//	07819	87708		
Tynemouth	262	61812	56104	25409	655//	09822	86625		
Carlisle	222	71810	63034	23511	68332	09826	81709	83818	86645
Valley	302	61918	57016	24013	683//	12804	81707	83812	86630
Ringway	334	72008	28044	26413	55431	10611	81712	85645	
Squires Gate	318	41613	25041	25212	36301	11714	83706	83075	
Ronaldsway	204	71917	65251	23013	783//	11810	82708	85812	87622
Mull of Galloway	131	82132	80031	22211	854//	10714	84715	88625	
Eskdalemuir	162	81706	60101	23907	2642/	07723	82710	88460	
Prestwick	135	71208	75031	21609	78442	07714	81712	86618	
Abbotsinch	140	80605	50044	22307	855//	05625	82620	88626	
Leuchars	171	71908	80031	22011	40942	05728	84362	86075	
Dyce	091	61820	84031	20410	11572	05723	81825	84364	
Lerwick	005	71726	80022	15709	55732	07845	85656		
Wick	075	72019	89022	16010	15642	01732	81645	83358	86360
Sule Skerry	010	72026	84022	13110	7097/	07745	87358		
Cape Wrath	049	72309	86021	12811	785//	01847	82820	87625	
Stornoway	026	71935	75031	11011	28432	07743	82818	83362	87070
Benbecula	022	71831	76031	12311	55432	07733	83714	83640	85072
Tiree	100	71734	70031	16411	784/2	08725	81816	86620	
Aldergrove	917	72014	70021	21011	21442	07718	82816	87075	
Malin	980	42026	82011	17711	21442	06729	82818		
Belmullet	976	71831	74021	14112	764//	10831	84713	85718	86636
Birr	965	71910	82031	21613	685/2	09712	85821	83633	
Dublin	969	71807	70024	22013	16432	08714	81717	86070	
Shannon	962	61713	82022	21013	656/2	09713	86630		
Roches Point	952	81817	80022	22913	864//	10708	85716	88625	
Valentia	953	71622	70012	19814	62401	12711	81713	86818	

OBSERVATIONS at 18h. 1 November 1978

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
746	71806	62036	28512	752//	11302	83703	85711	87622
862	71807	58056	28614	753//	13303	83708	86630	
797	31707	38101	30311	00901	10303	83075		
776	71707	40041	29414	754//	12202	82710	83715	85620
775	71707	60022	28814	755//	12302	87625		
772	61808	57051	28414	664//	13201	86715		
586	71609	35052	28213	15501	11000	81622	87078	
590	51708	32051	29011	00901	10303	85075		
497	71811	48052	28913	7093/	11400	87358		
502	71715	58501	24212	653/2	12804	83708	85620	87075
628	72207	70012	27214	756//	11203	87635		
715	81907	80031	26614	855//	11501	88620		
703	81918	83032	25214	855//	12605	88620		
827	81709	60025	27114	853//	14803	86706	88620	
817	81713	30505	26014	870//	13603	84701	88702	
804	72014	64025	25414	754//	14601	81710	87620	
809	82013	12505	26414	870//	14603	82700	84702	88704
894	71508	48052	28914	752//	13000	82703	85616	87640
534	61810	62042	26113	45402	11603	84618	86075	
559	72008	58052	27514	45632	11001	84631	87075	
462	71711	50051	26614	655/2	11503	86620		
354	62010	50052	25513	15602	11607	81630	86070	
414	42210	64011	25411	15502	08304	81625	84075	
360	31507	50041	24712	15402	11708	81615	83075	
396	81614	50031	25812	855//	11709	88625		
257	71512	40041	23412	15601	11609	81630	87075	
262	71916	56052	21912	20934	10612	81358	87075	
222	52606	58012	21412	25502	09709	82623	85075	
302	81926	70026	22713	854//	10804	88614		
334	32010	50041	24513	36401	11605	83715		
318	41909	50041	24012	35602	11302	83630		
204	82119	68038	21812	854//	09701	82712	88614	
131	72139	80022	18812	785//	10713	82820	87625	
162	71914	59216	20611	753//	09708	83709	85713	87625
135	62215	68021	19011	654//	09606	81714	83618	85623
140	72109	70021	18712	754//	08606	87618		
171	72313	68022	17711	15542	07717	81620	87075	
091	71920	58052	15010	2547/	07618	81715	83360	87362
005	51928	68052	08509	35432	07726	81710	84360	
075	71813	86022	10511	15642	05712	81640	83358	86072
010	72029	82032	05913	6557/	08735	86625		
049	72340	80022	03712	755//	09736	87625		
026	82035	66602	05712	853//	09622	81708	85612	88619
022	81930	56622	06711	854//	09721	83714	88617	
100	71628	70022	11712	3557/	10718	83622	87359	
917	71914	81022	18811	754//	08606	87617		
980	41733	82021	13212	35432	09715	81717	83640	
976	81931	68586	11814	6637/	12608	83709	85715	88458
965	51606	80012	19012	35402	10508	81716		
969	82215	80032	20213	864//	09606	84718	87626	
962	71609	80032	18514	55602	11506	85630	85070	
952	71916	65025	21114	763//	13500	87707		
953	81714	70258	18414	884//	13703	83713	86817	88635

OBSERVATIONS during DAY

iii	RRT×T×E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97150	011	fd_o–r_o	d_o
862	97160	009	r_o	d_o
797	00160	013	+	+
776	97161	020	d_or_o	+
775	97170	021	d_o	+
772	00180	017	+	+
586	00150	008	+	+
590	00150	010	+	+
497		020		
502	92151	058	+	$d_od_oir_o$
628	97170	026	d_opr_o	+
715	00170	042	+	+
703	97152	022		
827	95151	000	d_o	id_od
817	01151	016	d_o	d_od
804	97151	017	id_o	id_o
809	01152	002	id_o	id_oFid_o
894	97150	007	ir_o	+
534	00150	001	+	+
559	00170	032	+	+
462	00160	020	+	+
354	00140	001	+	+
414	00151	014	+	+
360	00141	010	+	+
396			+	+
257	00131	003	+	+
262	00121	025	+	+
222	00141	025	+	+
302	91151	035	ir_o	id_o
334	00141	005	+	+
318	00141	039	+	+
204	97141	021	pr_o	r_o
131	00121			
162	91111	016	ir_o	$ir_or_od_or_o$
135	00131	064	+	+
140	00131	034	FFf	+
171	00120	052	+	+
091	00111	038	+	+
005	00111	003	+	+
075	00121	007	+	+
010	97131			
049	00121	022	+	+
026	03121	013	+	r_or
022	07121	017	+	rr_or_o
100	97131	022	+	id_o
917	00131	031	+	+
980	0013	041		
976	9714	002		
965	9714	033		
969	9714	059		
962	9715	027		
952	9714	001		
953	9715	003		

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

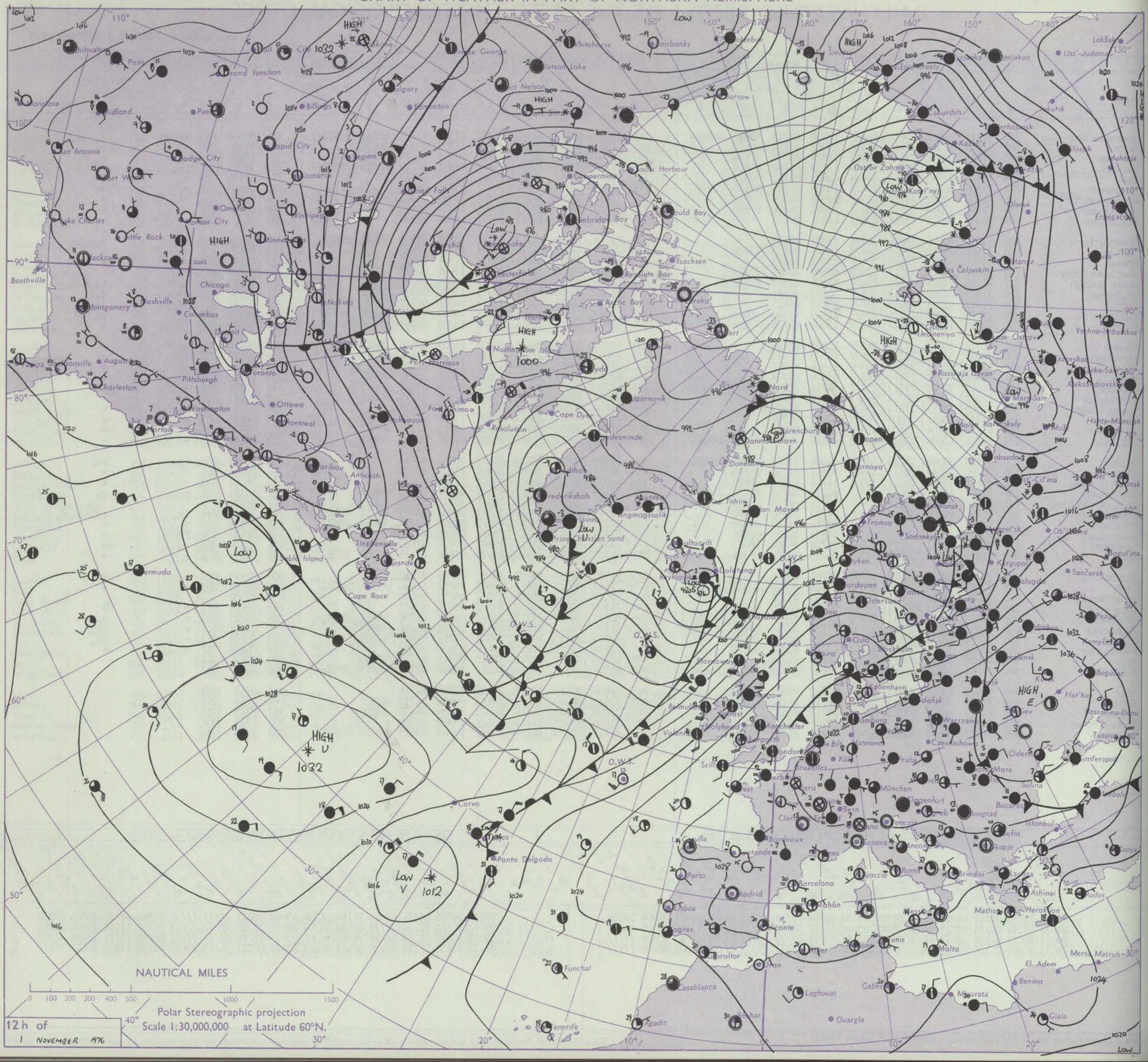
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	01121	62813	98258	95908	52552	00316	/////	/////	05304	10951	30806	21208
L	99570	70197	01124	53223	97808	96907	52400	22177	85810	/////	0//01	11160	30505	24012
M	99663	10022	01124	82432	97608	05707	7746/	51221	/////	/////	0//04	10705	30808	/////
R	99470	70169	01124	02025	97011	18417	00900	00803	/////	/////	0//15	11601	30709	/////

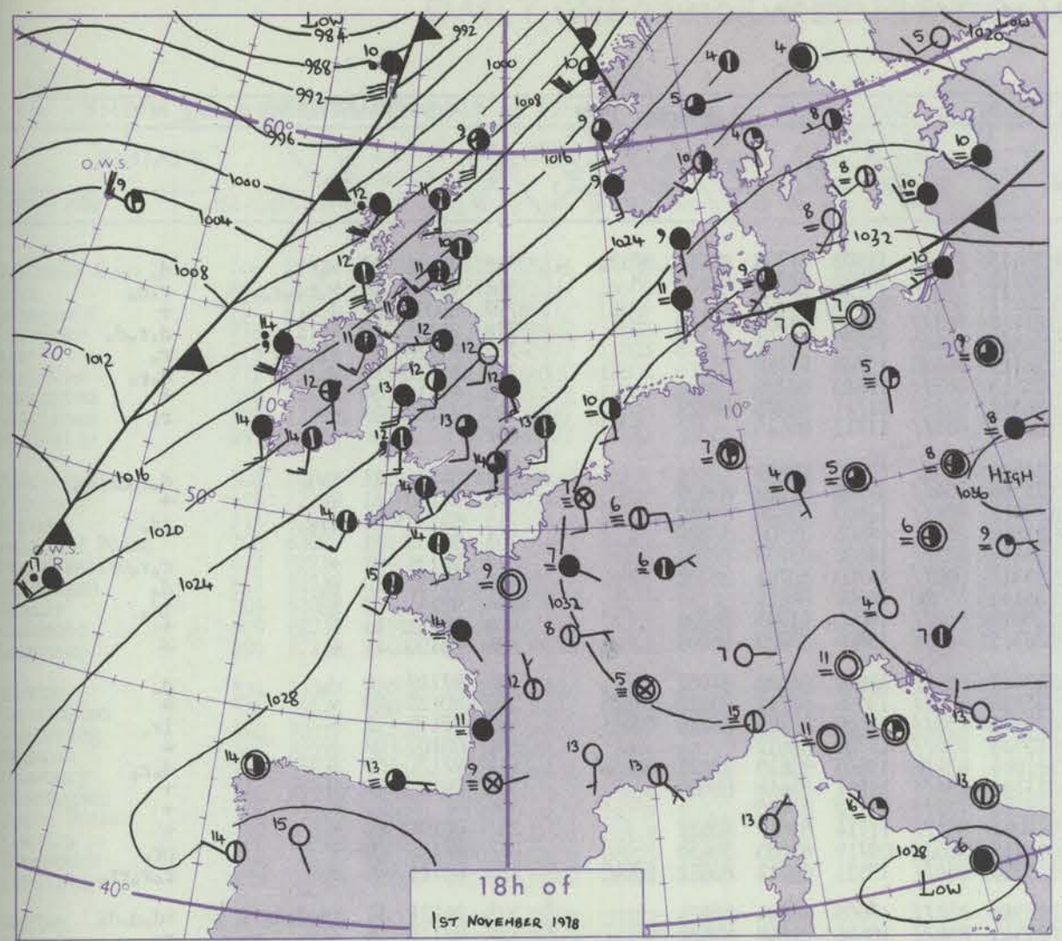
OCEAN WEATHER STATION REPORTS at 18h.

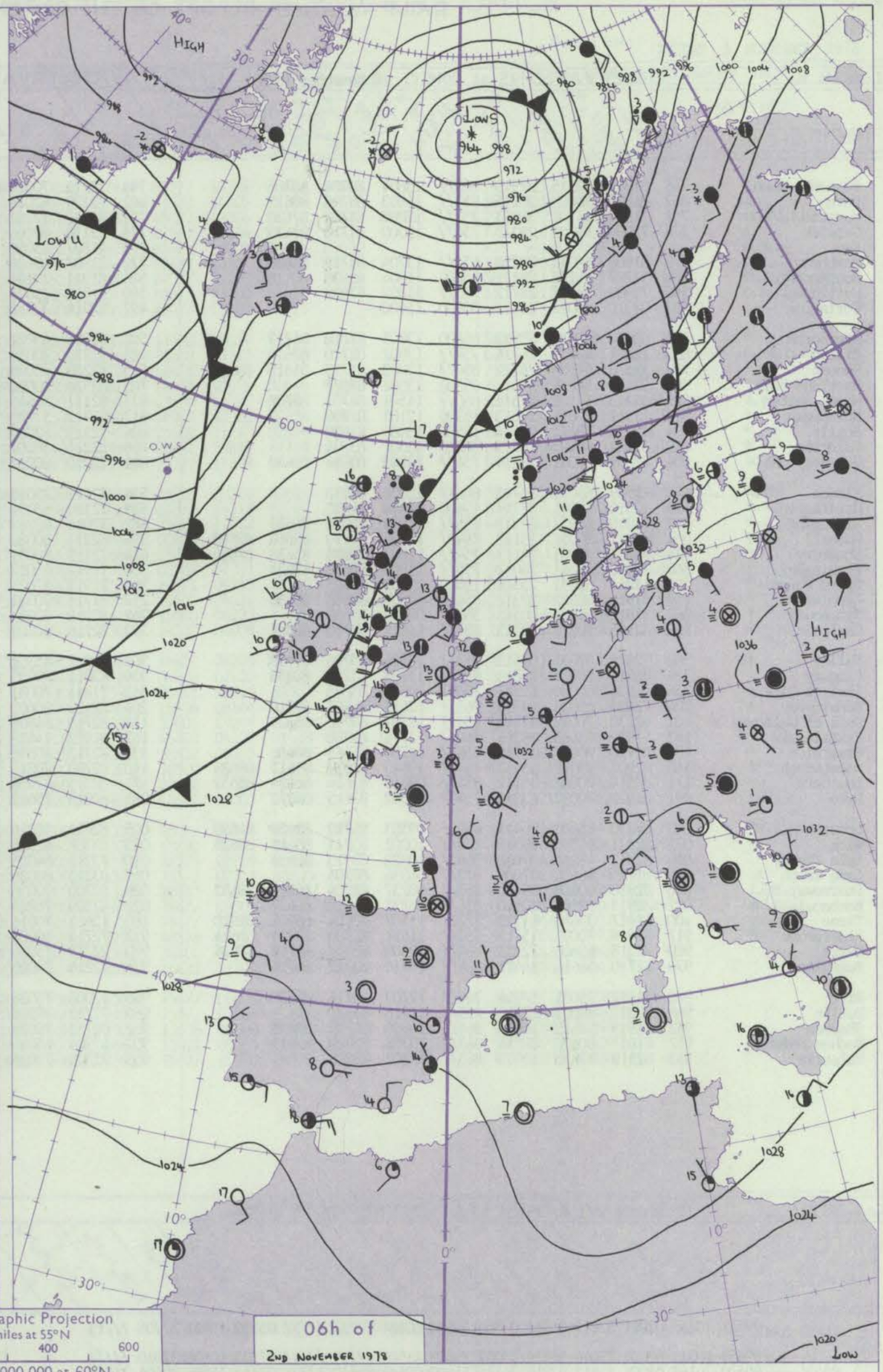
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	01181	62814	97158	01306	43460	00227	/////	/////	05500	10936	30706	27208
L	99568	70182	01184	32724	98018	06708	29431	22339	81912	/////	0//02	11146	30504	24011
M	99661	10019	01184	81836	96818	94307	894//	41795	/////	/////	0//04	10711	30808	/////
R	99470	70170	01184	82130	96611	18817	874//	00212	84713	88633	0//16	11583	30612	/////

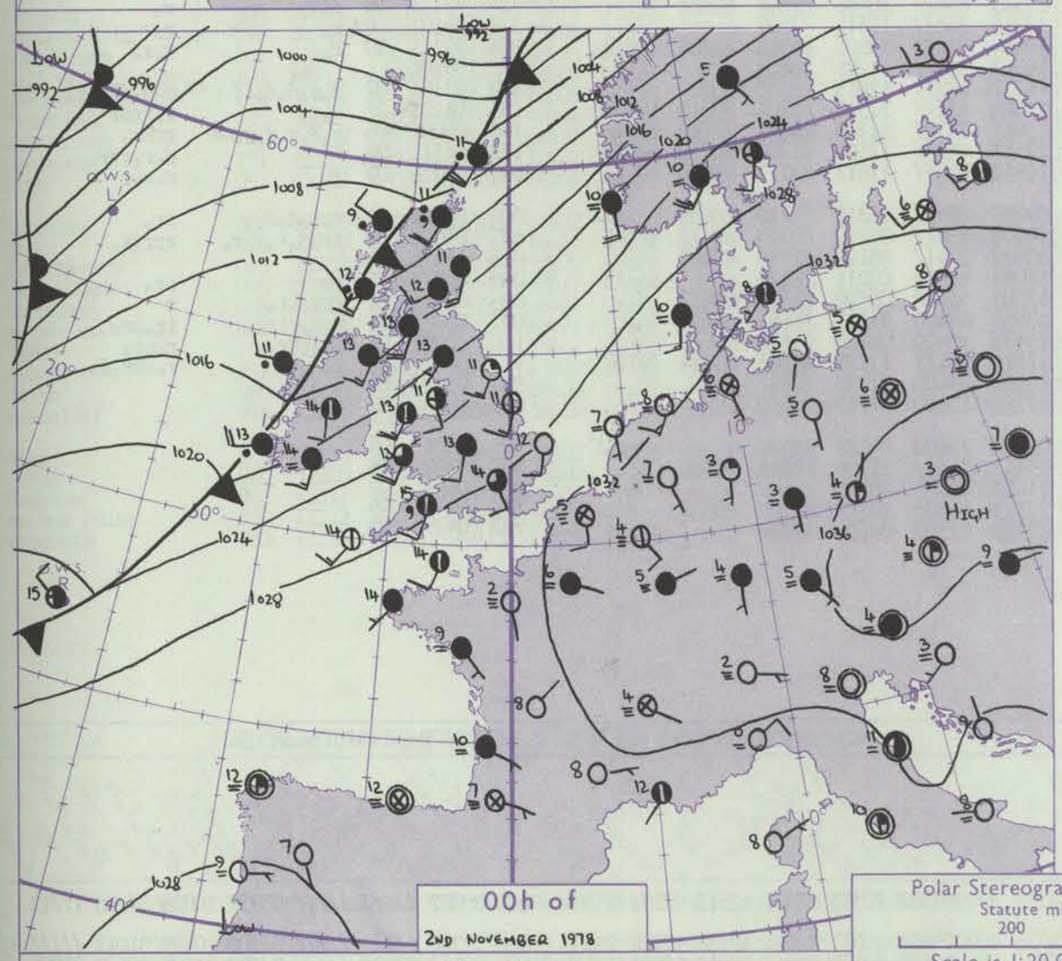
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 2 NOVEMBER 1978

During the past 24 hours an anticyclone persisted over Central Europe. A deep depression 500 miles west of Ireland moved quickly northeastwards to the Norwegian Sea and its associated fronts crossed Scotland.

During the next 24 hours pressure is expected to remain high over Europe and low in the Iceland area with further troughs of low pressure crossing the British Isles.

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

Code FM 11.V — OBSERVATIONS at 00h. — 2 November 1978

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	81911	50215	27913	862//	13804	86704	88706	
Hurn	862	81909	50605	28215	853//	14803	86706	88615	
Manston	797	71909	14101	30011	752//	11000	83704	87620	
Gatwick	776	71904	45102	29313	754//	13000	81710	87635	
Kew									
Heathrow	772	61608	56052	28214	654//	13704	83712	85628	
Honington	586	51707	25102	28111	55600	11804	85630		
Wattisham	590	71909	38102	28712	755//	11802	87628		
Gorleston	497	01910	48021	28512	00900	11400			
Aberporth	502	62020	60016	23913	66400	13805	82710	86713	
Filton	628	72211	68012	26814	754//	13802	82710	87650	
Rhoose	715	82106	62606	26214	854//	13803	81710	84615	88620
Hartland Point	703	32418	74016	25014	35500	13502	83627		
Mount Batten	827	82113	57105	27314	860//	14501	86701	88702	
St.Mawgan	817	11811	70015	26613	16300	12103	81706		
Scilly	804	12213	65021	26414	15500	13400	81620		
Culdrose	809	32112	57105	26913	36200	13002	83704		
Guernsey	894	72009	60051	29414	754//	13103	83616	86640	
Elmdon	534	81909	63031	25713	864//	12806	88710		
Cardington	559	42010	58051	27312	45600	11804	84635		
Wittering	462	61910	56052	26512	655//	11803	83622	86635	
Watnall	354	82011	57051	25112	854//	11805	84710	85616	88640
Shawbury	414	71807	73031	24113	754//	12607	81618	83635	87656
Finningley	360	71609	57041	24012	755//	11808	82622	87635	
Spurn Point	396	11914	62031	25311	15500	10802	81625		
Leeming	257	81911	62022	22312	854//	10806	86616	88630	
Tynemouth	262	31812	69021	20512	35600	08604	83630		
Carlisle	222	82106	70211	19513	854//	11817	82710	88624	
Valley	302	72025	57035	21613	763//	13806	85706	87710	
Ringway	334	81812	58505	23813	854//	11709	83712	88635	
Squires Gate	318	51508	62016	22311	35601	10810	83635		
Ronaldsway	204	72020	65036	19313	763//	12618	84707	87710	
Mull of Galloway	131	62130	70012	17613	654//	12707	83710	86625	
Eskdalemuir	162	81922	03466	18311	860//	11716	88700		
Prestwick	135	81920	70022	15713	854//	11720	81615	88636	
Abbotsinch	140	82007	75022	15413	854//	10815	81711	85617	88628
Leuchars	171	82314	70032	15112	854//	09819	83616	86624	88632
Dyce	091	81920	70032	13911	75447	09502	87615	88272	
Lerwick	005	82130	65606	06411	6542/	09503	81712	83620	86650
Wick	075	82121	65586	09311	854//	10002	83711	85618	88628
Sule Skerry	010	82912	48216	07610	3642/	10322	83715	88458	
Cape Wrath	049	82725	60636	07809	872//	08336	88705		
Stornoway	026	82910	60606	09409	853//	08237	82708	84616	88632
Benbecula	022	82913	72606	10510	854//	08233	84710	88621	
Tiree	100	82017	33636	11312	7722/	11507	83704	86707	88520
Aldergrove	917	81914	70031	15713	853//	11611	81709	83711	88614
Malin	980	82318	65606	12513	864//	12500	83712	84716	88628
Belmullet	976	82710	58615	14411	864//	10218	82712	88716	
Birr	965	71812	75031	17014	764//	12709	85716	85630	
Dublin	969	72217	80021	17714	755//	11716	87620		
Shannon	962	81915	58615	16415	864//	14605	84715	88630	
Roches Point	952	81817	60102	20214	863//	13708	83708	88715	
Valentia	953	82519	57635	18413	863//	12308	88708		

Code FM 11.V — OBSERVATIONS at 06h. — 2 November 1978

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	72213	70016	26413	753//	12503	81708	83712	87623
Hurn	862	72109	62016	27314	753//	13500	82706	87627	
Manston	797	81912	17102	28211	860//	11607	88701		
Gatwick	776	72110	50106	27414	763//	13608	84707	85712	
Kew	775	11807	45056	26513	16400	13707	81710		
Heathrow	772	11807	40106	26113	16400	13708	81710		
Honington	586	81911	23101	25513	863//	12610	88706		
Wattisham	590	81812	15601	26312	852//	11711	86703	88629	
Gorleston	497	82014	32051	26012	855//	11712	88625		
Aberporth	502	81920	65021	21614	855//	13610	88625		
Filton	628	72210	70036	25514	754//	11502	81712	87630	
Rhoose	715	82210	70026	24813	854//	12603	86614	88620	
Hartland Point	703	82528	80021	23514	852//	14605	85704	88620	
Mount Batten	827	82117	50616	26414	872//	14502	83703	88704	
St.Mawgan	817	81912	57025	25315	860//	14703	86701	88702	
Scilly	804	12313	62025	25114	15500	14501	81625		
Culdrose	809	82214	58101	25814	862//	14000	82705	88706	
Guernsey	894	72010	60012	28313	762//	13505	83703	86704	
Elmdon	534	72112	75015	23413	6552/	11607	86625	87462	
Cardington	559	72110	58051	25114	754//	13508	82712	85620	87635
Wittering	462	72014	62212	23814	753//	12609	83708	86710	87635
Watnall	354	82211	60032	22513	855//	12707	88622		
Shawbury	414	72115	80031	21814	654/8	11608	83615	83628	86656
Finningley	360	71912	65012	21114	754//	11611	83618	86650	
Spurn Point	396	71913	57021	22513	757//	11712	87650		
Leeming	257	81711	70021	19014	854//	11714	83617	88622	
Tynemouth	262	82012	80021	16715	5562/	09719	85635	88459	
Carlisle	222	82216	70602	15814	854//	13521	82712	86622	88640
Valley	302	82027	45505	19314	852//	13609	86704	88615	
Ringway	334	82011	80035	21513	854//	10606	81618	88622	
Squires Gate	318	71814	70031	19714	755//	12512	87629		
Ronaldsway	204	82123	30602	17014	852//	13505	85703	86706	88614
Mull of Galloway	131	82715	64606	16912	855//	11225	88625		
Eskdalemuir	162	81922	14625	14712	872//	12615	85705	88709	
Prestwick	135	82712	40596	14612	852//	11310	81705	83710	85620
Abbotsinch	140	82708	70216	13911	7532/	11319	81706	83712	86645
Leuchars	171	82315	57636	12513	853//	12504	81707	84710	86616
Dyce	091	82013	75612	10812	854//	11617	83712	88650	
Lerwick	005	82811	40216	09207	854//	05312	82710	88656	
Wick	075	83307	62636	10908	6542/	07210	83710	86615	88542
Sule Skerry	010	73211	64016	10909	2241/	05115	82815	87460	
Cape Wrath	049	83213	80026	11009	855//	03211	88625		
Stornoway	026	52705	70036	12706	55400	05320	81616	85632	
Benbecula	022	42509	76216	13408	45400	05215	81618	84629	
Tiree	100	12611	70016	15108	15400	06229	81618		
Aldergrove	917	72711	80206	17511	751//	11233	83702	83714	87637
Malin	980	22713	75016	16810	28400	07230	82817		
Belmullet	976	12214	74026	17710	15600	07213	81640		
Birr	965	12003	75026	20809	15600	08228	81630		
Dublin	969	72715	80216	19412	764//	11330	83710	87718	
Shannon	962	02711	75026	21410	00900	08228			
Roches Point	952	42904	65016	22111	46300	10227	82709	83634	
Valentia	953	22304	75036	22310	22500	08220	82820		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	96121	07	d_o-r_o	d_o
Hurn	862	96131	12	$r_o-d_or_o$	r_od_o
Manston	797	00090	07	+	+
Gatwick	776	91121	10	+	$d_or_od_o$
Kew	775	91120	05	r_o	r_o
Heathrow	772	91131	11	d_or_o	d_or_o
Honington	586	97110	09	+	+
Wattisham	590	97100	09	+	r_o
Gorleston	497				
Aberporth	502	04121	11	ir_o	$d_or_odrDr_o$
Filton	628	97130	11	r_o	+
Rhoose	715	93130	11	ir_o	id_o
Hartland Point	703	97131	11		
Mount Batten	827	96131	12	+	r_or_o
St.Mawgan	817	97121	10	d_o	d_o
Scilly	804	92141	12	id	id_o
Culdrose	809	00131	11	+	+
Guernsey	894	00130	12	+	+
Elmdon	534	97110	10	d_o	d_o
Cardington	559	00120	09	+	+
Wittering	462	97110	10	+	ir_o
Watnall	354	00100	07	+	+
Shawbury	414	97121	08	+	d_or_o
Finningley	360	00101	08	+	+
Spurn Point	396			+	+
Leeming	257	00101	05	+	+
Tynemouth	262	97111	09	+	pr_o
Carlisle	222	02121	06	r_o	$r_or_orr_o$
Valley	302	94121	11	$id_od_od_o$	$id_od_od_o$
Ringway	334	97111	09	d_od_o	r_o
Squires Gate	318	96101	08	r_o	r_or
Ronaldsway	204	92111	10	r_o	r_or_o
Mull of Galloway	131	95101			
Eskdalemuir	162	07101	07	$d_or_od_od_off$	$d_od_orRr_or_o$
Prestwick	135	04101	07	r_or_o	r_orrdr
Abbotsinch	140	06091	06	$r_od_or_od_or_odr$	$rrRr_o$
Leuchars	171	01111	08	+	$d_or_orrr_o$
Dyce	091	02101	08	+	r_or_or
Lerwick	005	01071	04	$r_or_od_od_o$	ir_o
Wick	075	05071	05	$ir_od_or_or_or_o$	rrr_or_o
Sule Skerry	010	93071	06		
Cape Wrath	049	04071	05	rr	ir_o
Stornoway	026	03031	01	rrr_oir_o	+
Benbecula	022	03081	04	$r_or_oir_o$	ir_opr_o
Tiree	100	10071	05	id_orRr_o	r_opr_o
Aldergrove	917	04071	03	r_o	$r_orRr_od_o$
Malin	980	0509	06		
Belmullet	976	0608	07		
Birr	965	0308	05		
Dublin	969	0108	08		
Shannon	962	0409	05		
Roches Point	952	0410	06		
Valentia	953	0409	05		

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	02001	32615	98011	03905	32500	00104	/////	/////	05850	10921	3//08	///13
	99659	10019	02004	72046	96818	85007	79400	41500	/////	/////	0//03	10696	31010	/////
	99470	70169	02004	53112	97016	24114	55600	00114	85640	/////	0//12	11596	30404	21910

Code FM 21.V — 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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	02061	42513	97278	05304	43400	00702	/////	/////	05952	10926	3//05	///12
	99658	10017	02064	42538	97258	93005	49400	51240	/////	/////	0//00	10699	31012	/////
	99470	70169	02064	22915	98021	26714	22600	00113	82830	/////	0//09	11609	30502	21906

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. 42715

Date of Issue FRIDAY 3 NOVEMBER 1978

Code FM 11.V

OBSERVATIONS at 12h. 2 November 1978

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	72117	75012	26416	653/1	14704	85707	86615	85072
Hurn	862	72209	62016	27315	753//	14804	87708	87628	
Manston	797	81813	26102	27812	862//	12805	88703		
Gatwick	776	72112	65025	27316	68472	13803	82813	85620	85072
Kew	775	72215	78031	26417	4557/	12803	84625	87362	
Heathrow	772	72111	80031	26217	68532	13802	83820	84645	85362
Honington	586	72112	70031	25116	785//	12802	81820	87630	
Wattisham	590	72316	68036	25716	784//	11705	82818	87645	
Gorleston	497	82014	58022	25015	855//	12711	88625		
Aberporth	502	62809	86016	25313	684/2	12219	83712	83816	
Filton	628	82210	56582	25415	6532/	13000	81708	86625	88458
Rhoose	715	82408	57586	25015	853//	14001	83708	88612	
Hartland Point	703	83005	20636	25114	864//	14314	88710		
Mount Batten	827	82216	32606	26915	870//	14802	88700		
St.Mawgan	817	82312	18586	26215	870//	15001	82700	88701	
Scilly	804	83407	58216	27314	874//	14212	88710		
Culdrose	809	82313	02515	27014	870//	14002	85700	88702	
Guernsey	894	72211	74022	29115	38332	14802	81707	83645	85358
Elmdon	534	72117	60202	23615	6543/	13002	82710	84622	87362
Cardington	559	72414	66022	25016	3857/	12803	82820	87360	
Wittering	462	72117	80022	23816	58431	12802	82814	83630	85360
Watnall	354	82212	56505	22714	854//	13204	87712	88615	
Shawbury	414	72511	75215	23016	28431	14107	81712	86360	
Finningley	360	82213	56582	21614	873//	13306	88709		
Spurn Point	396	72115	65022	22015	756//	12102	87630		
Leeming	257	32715	89011	20815	22501	10119	82820		
Tynemouth	262	32716	81028	19514	22639	08225	82830		
Carlisle	222	52713	83036	20513	38502	08121	83825	85072	
Valley	302	52816	82035	24413	22402	09122	82815	85074	
Ringway	334	72911	70216	23313	783/1	11119	81709	83813	86624
Squires Gate	318	32711	82016	22914	28401	11219	82818		
Ronaldsway	204	62513	82026	22912	18432	08122	81816	86072	
Mull of Galloway	131	62711	82036	21811	22402	09221	81710	86070	
Eskdalemuir	162	32410	80016	20111	22502	07233	82824		
Prestwick	135	32611	82036	20312	18532	08219	81825	83075	
Abbotsinch	140	72509	70156	19512	58431	07121	81818	83824	85635
Leuchars	171	22517	86026	17812	12402	04227	81818		
Dyce	091	43208	83038	16810	28402	06129	82815		
Lerwick	005	32710	75011	12308	28432	04120	82815		
Wick	075	22710	84036	14710	18432	05212	81818		
Sule Skerry	010	32707	81031	13710	32570	05208	83820		
Cape Wrath	049	62315	84031	13609	685//	05104	84820	86625	
Stornoway	026	72113	83251	13910	48481	06803	83818	85357	85362
Benbecula	022	82313	75258	14309	6847/	07601	82815	85625	88465
Tiree	100	62017	81258	16911	5346/	08301	81916	84650	
Aldergrove	917	52411	82031	21611	18331	07113	81708	83360	
Malin	980	22220	84011	19012	28400	08107	81818		
Belmullet	976	42221	75030	19514	38402	09104	81718		
Birr	965	62110	81011	23812	18502	08208	81820	86070	
Dublin	969	52305	82011	23712	38402	08216	81818	83645	85070
Shannon	962	42211	86011	23913	18532	08008	81825	84075	
Roches Point	952	72112	80031	25514	28402	09111	82817	87074	
Valentia	953	72211	81011	24913	11508	09208	81822	86270	

OBSERVATIONS at 18h. 2 November 1978

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	82810	57586	27414	872//	14312	85703	88705	
862	82410	65216	27515	853//	14305	85706	88615	
797	72009	56102	27513	4547/	13306	81710	83630	87359
776	82208	56202	27615	873//	14304	82708	88710	
775	82106	58216	26715	854//	14304	86616	88630	
772	82206	62606	26416	854//	14104	86613	88630	
586	82207	35216	25814	873//	14210	85706	88708	
590	82511	58586	26115	854//	13209	84614	88618	
497	82308	64022	25615	864//	13209	88715		
502	32306	82011	28009	11402	08019	81818	83075	
628	42710	62016	27412	35302	11317	81708	83620	
715	12809	80016	27811	18401	10321	81815		
703	32903	85016	28111	18431	10319	81818	83075	
827	63106	70016	28514	65400	11320	85614		
817	62909	75016	29012	683/2	10322	82708	83810	
804	33303	81025	29512	25402	11217	82614		
809	33209	64015	29411	25431	10219	81710		
894	72514	57502	29415	752//	14309	81703	83705	87645
534	53404	62046	26810	25502	09220	82622	85075	
559	82509	59606	26115	853//	14313	83707	85712	88620
462	73006	61026	26312	754//	11322	83616	86625	
354	33005	57016	26510	00902	07222	83075		
414	52706	82022	26808	15502	06221	81625	85073	
360	32402	60036	25711	00902	07322	83075		
396	32710	60011	25312	10971	09219	81360	83075	
257	52307	89021	25011	11602	06221	81830	85075	
262	12612	69021	24111	15600	06223	81630		
222	22307	80021	23209	14532	06008	81624		
302	32313	88021	26811	18432	09209	81818		
334	22503	65011	26810	00902	07120	82075		
318	22707	82011	25911	00901	08215	82075		
204	62313	80022	24612	18506	08104	81820	86273	
131	72324	82032	23211	35605	09206	83630	87070	
162	42110	70031	23007	45402	04108	81618	84635	
135	61710	81031	22110	38532	06305	81820	83635	
140	32214	70021	21011	38500	08500	81820	83632	
171	22410	86011	19609	25602	05003	82630		
091	12109	82018	18308	15601	05005	81640		
005	72013	80028	13107	784//	04708	82814	87637	
075	22212	84011	15308	15630	05001	81640		
010	42320	80018	12110	32570	08709	83820		
049	72319	82028	13410	785//	07313	85820	87625	
026	72110	80028	13709	28432	05001	81815	85359	
022	72117	70808	14711	784//	08501	84818	85630	
100	72020	62038	17312	784//	10704	83815	87630	
917	61911	82011	22910	48576	08302	81820	83630	
980	32122	84011	19712	38402	08500	81818	83070	
976	42121	62101	20212	16432	11204	81716	83072	
965	72008	75032	25012	756//	08601	87630		
969	71903	80022	24812	755//	07204	82620	86635	
962	71906	82021	25012	15636	08500	81640	87270	
952	71404	80021	26812	15622	09005	81640	84462	87074
953	82013	80031	25813	1657/	10500	81720	88458	

OBSERVATIONS during DAY

iii	RRT×T×E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	91171	005	r_o	$d_or_od_o$
862	93161	003	r_or_o	d_cr_o
797	02151	001	+	$rr_ord_or_o$
776	91171	005	+	d_o
775	94171	008	+	r_orir_o
772	97170	011	+	r_od_o
586	01171	015	+	$ir_or_od_or_odr$
590	01171	005	+	$r_od_or_odr$
497		010		
502	97141	052	ir_o	+
628	02161	001	$r_od_or_od_or_odr$	d_o–d_or_odr
715	02151	009	$r_od_or_orr_od_or_o$	+
703	08151	008		
827	94151	002	r_oidd_o–d_or_o	d_or_o
817	03151	003	d_or_orf	+
804	01151	002	r_or_o	+
809	02141	000	$d_or_od_od_o$	+
894	97161	010	+	id_oir_o
534	94161	003	$id_od_or_o$–r_od_o	r_oif
559	95170	003	r_o	r_or_o
462	01171	001	d_or_o	$d_or_odrrr_o$
354	92151	011	d_odr	+
414	91171	034	$d_or_or_o$	+
360	97171	029	d_or_odr	+
396			ir_o	+
257	00161	059	+	+
262	00151	054	+	+
222	00141	051	+	+
302	00141	070	+	+
334	91141	035	r_or_o	+
318	00140	045	+	+
204	00131	057	+	+
131	00121			
162	00121	064	+	+
135	00121	071	+	+
140	00131	052	+	+
171	00131	065	+	+
091	97121	052	pr_o	pr_o
005	01091	040	pr_o	ir_oirpr_o
075	00101	034	+	+
010	96111			
049	02121	039	pr	pr
026	01101	025	pr_o	$tlpr_o$
022	05121	020	pr_or	pr_opr
100	95121	031	$prpr_o$	pr_o
917	00121	072	+	+
980	0013	043		
976	0014	043		
965	9714	050		
969	0013	040		
962	0015	045		
952	9714	054		
953	0015	033		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

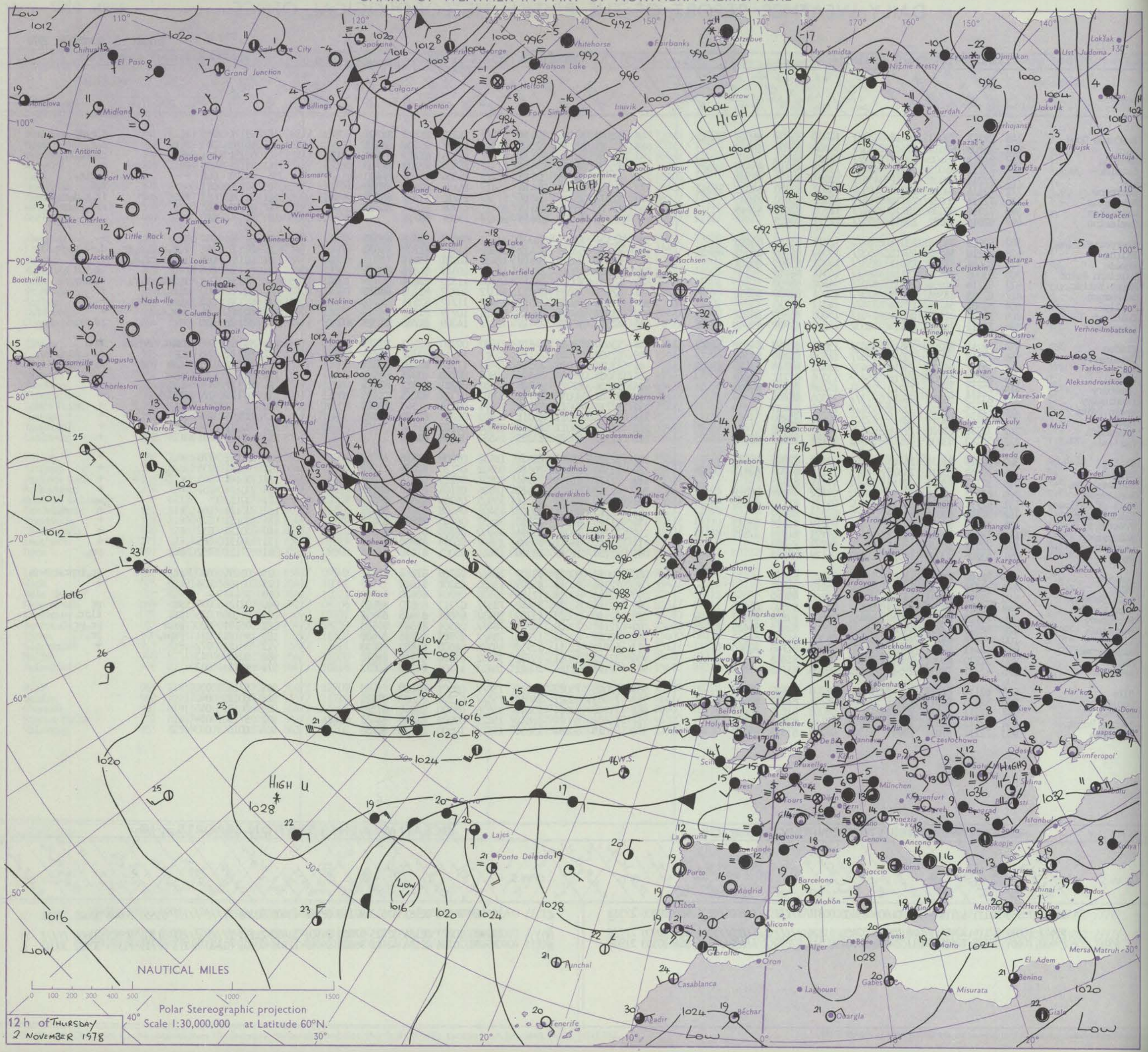
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	02121	62716	97158	06505	63400	00310	/////	/////	05902	10960	30908	27312
L	99657	10014	02124	32434	97028	99106	32400	51226	/////	/////	0//52	10681	30909	/////
M	99470	70169	02124	32410	98011	29315	28502	00111	82820	/////	0//09	11585	30503	21906
R														

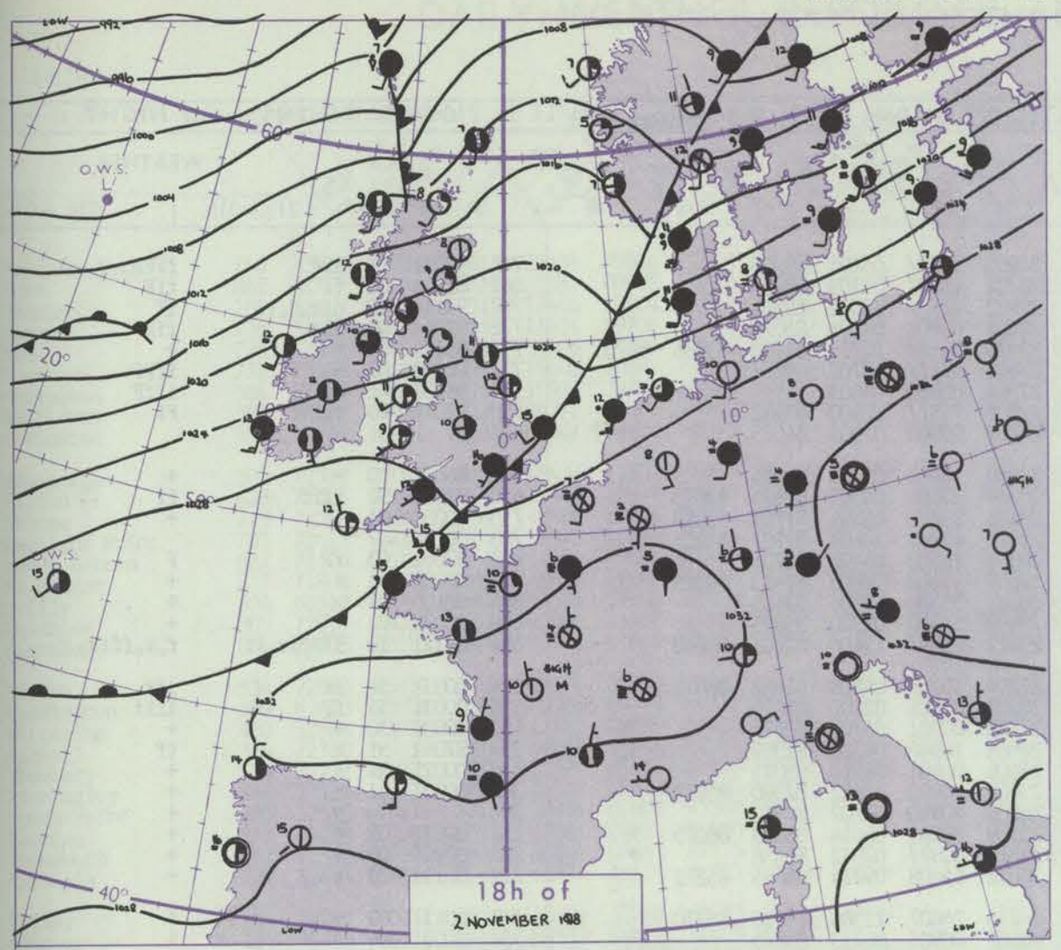
OCEAN WEATHER STATION REPORTS at 18h.

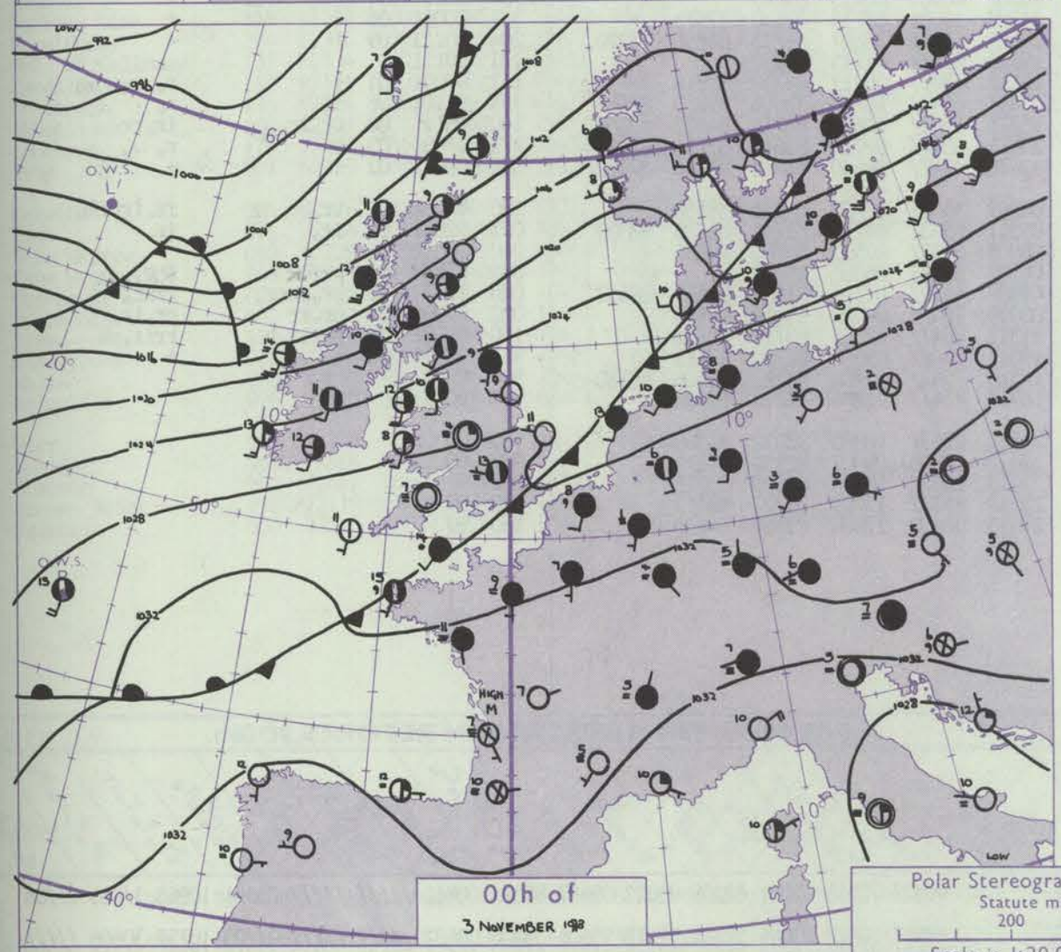
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	02181	42613	97158	08206	43400	00208	/////	/////	05550	10948	30605	27412
L	99656	10020	02184	32725	97020	04506	32400	21221	/////	/////	0//01	10743	30606	/////
M	99470	70168	02184	42411	98020	29015	12536	00101	81820	84273	0//11	11575	30502	30007
R														

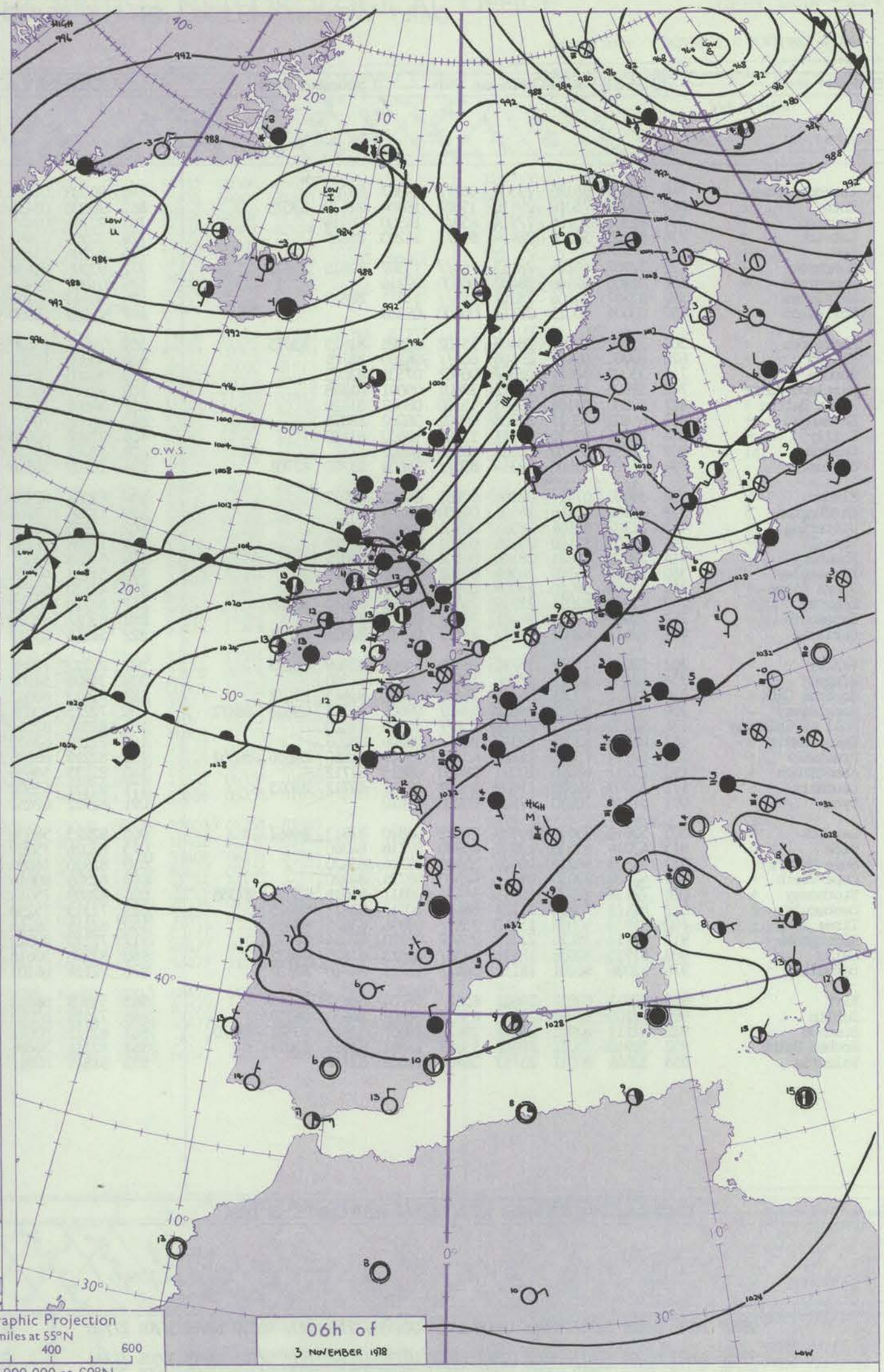
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH
HIGH
HIGH
HIGH
HIGH
HIGH
Low
Low
Low







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

Issued at midday FRIDAY 3 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

The anticyclone over central Europe has persisted and another has developed in an associated ridge over France during the past 24 hours. A depression between Jan Mayen and northwest Norway has moved steadily northeast, filling a little, and another off southeast Greenland has moved slowly northeast, filling steadily, although another has formed off northeast Iceland. An associated cold front across southeast Scotland to southwest England has moved southeast and now extends from northern Germany to Brest.

During the next 24 hours pressure will remain low to the north and high to the south of the British Isles and a waving frontal system will cross northern districts.

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

Code FM 11.V — OBSERVATIONS at 00h. — 3 November 1978

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	80000	56286	29309	862//	09307	88704		
Hurn	862	32904	75016	29110	15601	10304	81630	83075	
Manston	797	82106	50106	27914	854//	14500	88616		
Gatwick	776	82103	57105	28414	854//	14203	88614		
Kew									
Heathrow	772	72907	45106	28113	754//	13307	82616	87622	
Honington	586	02903	02466	28407	00900	07216			
Wattisham	590	83507	35106	28311	855//	11311	88629		
Gorleston	497	03004	60025	28111	00900	09309			
Aberporth	502	31909	80031	28408	15402	08805	81615	83075	
Filton	628	60000	05411	29106	660//	06205	86701		
Rhoose	715	33002	80111	28907	00901	07501	83075		
Hartland Point	703	32908	85020	28712	28401	09001	81818		
Mount Batten	827	10000	57101	29608	15500	08603	81620		
St.Mawgan	817	61602	70021	29708	00902	08002	86075		
Scilly	804	12104	82030	30111	15500	10400	81620		
Culdrose	809	02103	56100	30307	00900	07003			
Guernsey	894	82412	03606	29314	870//	14604	82700	87701	
Elmdon	534	20000	07414	28304	00901	04002	82072		
Cardington	559	02502	06466	28506	00900	06209			
Wittering	462	22302	40101	28505	00901	05306	82075		
Watnall	354	12405	35100	28105	00901	05303	81070		
Shawbury	414	52002	75021	28106	00902	05603	85075		
Finningley	360	31706	56100	26904	00902	04002	83075		
Spurn Point	396	02708	56020	27009	00900	07101			
Leeming	257	71805	82031	25710	25442	07502	82617	87075	
Tynemouth	262	72007	69021	24411	7093/	07805	87358		
Carlisle	222	72411	62021	22912	755//	09712	82625	87636	
Valley	302	52019	75011	26712	26306	11804	82709	85272	
Ringway	334	12106	60011	27707	10931	05501	81360		
Squires Gate	318	71811	70011	26410	25602	08801	82645	87072	
Ronaldsway	204	82117	80032	24612	55407	09601	81712	85628	88272
Mull of Galloway	131	52330	82031	22312	556//	10806	85630		
Eskdalemuir	162	81813	62021	22310	863//	09806	88709		
Prestwick	135	62214	75011	21211	4573/	09509	81650	84656	86362
Abbotsinch	140	22317	68018	20011	28400	09813	81712		
Leuchars	171	52309	80031	19009	26402	07712	82712	84075	
Dyce	091	01814	70020	17509	00900	07810			
Lerwick	005	52016	75038	10909	28412	06810	81813	84461	
Wick	075	42014	81036	13009	40930	07718	84360		
Sule Skerry	010	52320	66216	10410	55500	09716	85620		
Cape Wrath	049	42324	82018	09911	42500	08724	84820		
Stornoway	026	72118	82039	10511	5447/	08811	81616	85626	87358
Benbecula	022	82123	70808	11511	884//	10717	85817	88625	
Tiree	100	81923	60058	15112	3551/	09816	83625	88465	
Aldergrove	917	82112	75026	22310	25407	08703	82614	88270	
Malin	980	81923	82031	18111	885//	09813	81820	88632	
Belmullet	976	52026	62101	18114	564//	11721	84716	83637	
Birr	965	72011	66032	24611	6567/	09704	86632	87463	
Dublin	969	82108	80032	25112	6563/	08603	86630	86359	
Shannon	962	62111	82012	24512	25672	10607	82640	83362	85070
Roches Point	952	51910	75012	26812	15622	11807	81635	85074	
Valentia	953	32016	80011	25713	36400	11602	83716		

OBSERVATIONS at 06h. — 3 November 1978

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	90000	01474	28905	9////	05702	89/00		
862	20000	05424	28704	15601	04703	81630		
797	92106	02475	27812	9////	12502	89/01		
776	32501	03461	28307	00901	07201	83075		
775	82904	15101	27810	861//	10703	81702	83704	88705
772	92305	01434	27610	9////	10702	89///		
586	01802	02464	27504	00900	04803			
590	70103	30104	27908	755//	07400	87622		
497	42802	58030	27707	00904	07103	84075		
502	21914	65020	27009	15402	09708	81615		
628	40000	10284	28604	25501	04503	82625	83075	
715	30000	70110	28106	35200	05606	81705	83620	
703	42310	83030	27611	45301	10605	82707	84635	
827	30000	35404	29306	16302	06502	81706		
817	42002	70021	29009	15402	08603	81613	84075	
804	32108	82030	28812	35500	10706	83625		
809	52502	65051	29608	55500	08500	85625		
894	73102	56506	29012	750//	12400	82701	86648	
534	62004	62104	27204	15705	04809	81656	86075	
559	22804	03464	28002	00901	02000	82075		
462	22506	22101	27703	00901	03703	82075		
354	12105	11100	26904	10940	04710	81359		
414	51805	73031	26606	00901	06710	85075		
360	51908	40101	25405	20942	05612	82360	85075	
396	42110	60030	26208	40940	07707	84360		
257	81510	60032	23509	30942	06614	83363	88075	
262	82017	81022	21812	8092/	07612	88458		
222	52314	65012	20612	45608	09714	84645	85272	
302	82123	70032	24713	26407	11504	82710	88270	
334	31809	57100	26007	00901	06713	83075		
318	71513	60032	24309	15601	07715	81640	87075	
204	72215	70022	22613	654/8	10607	81712	86650	87270
131	82340	82031	19112	856//	11715	88630		
162	72124	62602	19111	754//	09712	85710	87618	
135	82219	68606	17411	6547/	10718	81618	85650	88458
140	82125	58636	15711	5542/	10626	82712	84622	88556
171	82121	65602	14011	5547/	07729	83616	85645	88462
091	81922	62051	11410	7547/	08640	82612	85616	87632
005	82023	58636	04909	5552/	08732	85625	88550	
075	82026	75601	05211	6543/	07753	82711	86635	88359
010	82910	16636	06008	5732/	07513	85706	88556	
049	82306	80616	06507	871//	06305	88702		
026	82009	75018	07007	4552/	07701	81621	84629	88457
022	72313	75258	08010	784//	09022	83619	87645	
100	82119	58216	11311	854//	11301	83714	88620	
917	72213	80022	19811	754//	09505	82710	87613	
980	82230	50616	14513	7542/	11702	83712	87626	88550
976	72124	66101	16913	754//	12704	83716	87636	
965	51909	66012	22812	2563/	10803	82632	84360	
969	72316	80012	22012	20936	09807	82359	87270	
962	62111	80012	22613	25632	10805	82630	85075	
952	82111	70606	25513	863//	12705	82707	88713	
953	51811	80011	24013	56400	12803	83716	84630	

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.—03h.	WEATHER 03h.—09h.
746	97031	01	iff	ffFF
862	00031	01	ff	ffF
797	94111	10	$d_or_od_or_o$	ff
776	97061	03	d_od_o	ffF
775	00101	05	+	+
772	00090	07	+	ifFF
586	91031	01	ifff	ifFF
590	97071	03	$r_o$ffF	Ff
497				
502	00071	03	+	+
628	91031	52	ifff	ff
715	00050	01	+	+
703	00110	07		
827	97061	03	fF	F
817	00081	01	+	+
804	00100	07	+	+
809	00072	01	+	+
894	01121	10	ifffir$_o$ff	$r_or_o$ffid$_o$
534	00011	51	if	iff
559	00011	51	fF	ifff
462	00031	50	+	+
354	97041	51	+	ff
414	00021	52	+	+
360	00031	51	+	+
396			+	+
257	00071	03	+	+
262	00101	07	+	+
222	00111	03	+	+
302	00111	09	+	+
334	00061	04	+	+
318	00081	06	+	+
204	00121	09	+	+
131	00111			
162	97091	01	+	r_o
135	91101	06	+	r_o
140	05111	08	pr$_o$ir$_o$	ir$_o$rr
171	97081	03	+	r_o
091	00061	02	+	+
005	13052	03	ir$_o$pr$_o$	ir$_o$irrrRR
075	92081	04	ir$_o$	ir$_o$
010	14062	06		
049	27072	06	prRR	RRr$_o$r$_o$
026	12072	06	pr$_o$prrr	rrRr$_o$
022	07091	08	pr$_o$rr	pr$_o$ir$_o$
100	09091	09	pr$_o$ir$_o$r	rrir$_o$pR
917	97091	08	r_o	+
980	03			
976	00			
965	00			
969	00			
962	97			
952	97			
953	97			

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

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	03001	52507	98011	11006	35550	00115	/////	/////	05550	10916	3//01	27/10
CLMR	99655	10021	03004	62025	97031	02807	67400	00720	/////	/////	0//03	10743	30506	/////
CLMR	99470	70168	03004	72018	97031	28315	755//	00807	87626	/////	0//11	11592	30605	30004

OCEAN WEATHER STATION REPORTS at 06h.

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	03061	82209	98022	09407	855//	00812	/////	/////	05501	10963	3//03	27/08
CLMR	99657	10022	03064	52331	97018	95606	59400	00632	/////	/////	0//03	10737	30606	/////
CLMR	99471	70166	03064	82221	97162	25016	855//	00510	88626	/////	0//16	11584	30608	/////

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. 42716

Date of Issue SATURDAY 4 NOVEMBER 1978

Code FM 11.V

OBSERVATIONS at 12h. 3 November 1978

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	72408	81034	28013	22438	09806	82814	86272	
Hurn	862	72709	75034	28813	31532	08805	83825	83360	85075
Manston	797	32510	70014	27315	12405	10804	81818	83075	
Catwick	776	72407	62034	28513	11431	09701	81816	87075	
Kew	775	72507	57051	28312	21406	09400	82814	87275	
Heathrow	772	72508	61034	27913	18402	10802	81814	87075	
Honington	586	62508	57054	26712	10932	09708	81368	86075	
Wattisham	590	82510	42041	27112	863//	10608	83709	88711	
Gorleston	497	22304	60021	26613	00901	09711	82075		
Aberporth	502	72312	75021	26513	4843/	11507	83815	84630	86359
Filton	628	72506	75031	27713	11406	10807	81818	87275	
Rhoose	715	72510	81021	27313	48408	10806	82812	83622	86275
Hartland Point	703	72618	74021	27013	32471	10708	83815	83360	86075
Mount Batten	827	72109	72021	28614	11531	09808	81820	87075	
St.Mawgan	817	71809	86021	28213	7843/	09708	81818	87628	87365
Scilly	804	62513	75031	28615	15581	11606	81620	83360	
Culdrose	809	72011	70022	28613	48401	11807	81810	84620	86070
Guernsey	894	72908	82016	29613	65430	11801	82617	85630	
Elmdon	534	72010	66034	26511	18436	09808	81812	87272	
Cardington	559	62610	50054	27211	00906	09704	86275		
Wittering	462	52616	72031	26513	11532	09806	81822	85075	
Watnall	354	72310	57054	25013	40932	09814	84365	86070	
Shawbury	414	72212	81035	25313	1557/	09510	81620	83359	87361
Finningley	360	72111	65031	23513	30942	09813	83360	87075	
Spurn Point	396	52513	61031	24512	30971	09808	83360	85075	
Leeming	257	72209	75012	22313	65541	09610	85620		
Tynemouth	262	72315	69022	19014	00906	09611	87275		
Carlisle	222	82414	67022	19914	6547/	11504	81713	86620	88464
Valley	302	82222	70032	24013	4537/	12202	82709	83645	88460
Ringway	334	72316	81031	24612	28532	09507	81825	86362	
Squires Gate	318	72217	70032	23513	26478	11603	82716	83360	87272
Ronaldsway	204	82316	65012	21613	3541/	10001	81715	83626	88468
Mull of Galloway	131	82334	76022	19213	5541/	11104	82715	85630	88460
Eskdalemuir	162	82121	67026	18711	854//	09000	86716	88630	
Prestwick	135	82215	70026	16913	854//	10002	82710	84622	87635
Abbotsinch	140	82221	60216	15213	7547/	11604	81712	85615	87618
Leuchars	171	72324	68606	13213	55432	09006	85618	86075	
Dyce	091	62315	86012	09915	21508	08502	82824	83080	
Lerwick	005	82026	56816	00208	833//	07823	88908		
Wick	075	72628	80156	07010	58432	07309	82818	83625	86070
Sule Skerry	010	52729	57258	04109	43401	08304	84815	81915	
Cape Wrath	049	72745	80818	05209	53401	04014	85915		
Stornoway	026	52725	75258	09508	48432	01243	82815	83628	
Benbecula	022	62833	75256	12009	12402	01239	81815	86072	
Tiree	100	72820	64218	14611	784//	07329	81711	83816	87632
Aldergrove	917	72314	68022	18613	754//	11001	83713	86617	
Malin	980	72616	80606	16711	7547/	10321	82712	86640	86459
Belmullet	976	82315	56606	18313	6647/	12211	85713	88458	
Birr	965	72213	80012	22215	664/2	11001	84716	83632	
Dublin	969	72318	84012	21814	5567/	10206	85638	84362	
Shannon	962	72611	80808	22615	684/2	12001	81717	84820	85070
Roches Point	952	72119	67036	24915	48401	12703	84811	85080	
Valentia	953	82013	65032	23815	854//	13002	83711	88635	

OBSERVATIONS at 18h. 3 November 1978

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	62307	75022	28510	55532	08308	85620	84070	
862	62304	75012	28511	15631	09306	81640	84362	
797	72106	60021	27909	10938	08307	81364	87272	
776	62104	70012	28309	25538	07307	82628	84272	
775	61802	68022	27510	15538	08307	81625	86272	
772	62105	66012	27212	14572	09306	81625	83365	86072
586	72206	50022	26309	50932	08110	85364	87070	
590	72507	62022	26909	60978	07309	83360	85465	87275
497	82310	56051	25811	856//	08304	88630		
502	72014	72022	25811	15638	11602	81630	84364	87275
628	72304	70022	27511	60972	09302	85360	85365	85075
715	72508	80022	27212	38472	10000	81815	83630	86075
703	52715	82022	26913	22471	10003	82815	85360	
827	52509	65012	28213	11431	11203	81812	83070	
817	61906	80012	28211	15632	10303	81630	86075	
804	62107	75022	27913	35531	12501	83625	85070	
809	52106	56102	28311	15531	11301	81625	83360	
894	72706	84022	29412	68432	11302	81812	86645	86075
534	72106	58042	26010	20978	09303	82360	87275	
559	82209	60052	26310	30937	09105	83365	88278	
462	52209	42102	25509	20932	09302	82362	85075	
354	72203	30052	25110	60932	09310	86360		
414	61807	81012	24912	15548	09500	81621	83362	86270
360	71508	65022	23412	35742	09207	83656	83360	87075
396	82212	60032	23512	8097/	09302	88460		
257	62414	75032	21813	656//	10311	86645		
262	82306	61616	20513	8052/	11323	88520		
222	72615	68216	19513	55432	11311	82712	83640	86075
302	72220	62022	23413	757//	12501	87656		
334	52108	68021	24111	35601	08201	81630	83650	
318	32318	67011	22612	00901	11302	83072		
204	82310	62032	21713	3547/	11306	81715	83622	88462
131	82510	60616	20812	813//	12221	88206		
162	52310	65018	19209	48402	07123	81712	83816	
135	70000	70026	19510	754//	09214	81710	84632	87645
140	32606	70016	18609	15532	06209	81625	83359	
171	22306	82026	18109	15502	06337	81620		
091	72505	86031	17008	15636	03239	81630	87275	
005	32825	75018	08306	33403	01251	81912		
075	22615	80011	13905	18432	01230	81818		
010	62726	64258	12109	53401	06231	85915		
049	82730	80808	12908	884//	03234	84815	88620	
026	52310	75022	14907	38402	02120	82816	85070	
022	72411	82021	16609	28536	01313	81825	83365	87270
100	72207	66031	18008	3557/	04211	83625	87459	
917	82006	56638	20311	851//	11209	85701	88620	
980	81107	60616	18810	864//	09206	83710	87714	
976	81913	60216	17712	5647/	11705	83713	83635	88458
965	72005	64808	21813	6847/	10502	82712	83820	87460
969	82004	66028	21613	855//	11701	84625	88650	
962	81506	75218	21013	4547/	11813	81718	84640	88459
952	71917	65018	23813	1637/	12505	81708	86458	87463
953	81717	58606	21213	6637/	12514	86709	88460	

OBSERVATIONS during DAY

iii	RRT×TE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00141	033	Ff	+
862	00150	041	ff	+
797	00150	029	+	+
776	00141	018	+	+
775	00130	016	+	+
772	00140	019	+	+
586	00131	038	+	+
590	00130	012	+	+
497		033		
502	00141	022	+	+
628	00141	042	jf	+
715	00150	028	+	+
703	00130	028		
827	00151	024	jf	+
817	00151	021	+	f
804	00161	046	+	+
809	00141	044	+	+
894	97150	034	d_or_o	id_o
534	00120	026	if	+
559	00110	030	fF	+
462	00131	042	+	+
354	00130	032	+	+
414	97141	017	d_o	+
360	00141	034	+	+
396			+	+
257	97141	017	+	r_o
262	95141	007	+	r_or_o
222	97141	010	+	r_or_o
302	97141	007	+	ir_o
334	00131	025	+	+
318	00141	014	+	+
204	00141	005	+	+
131	07131			
162	93121	000	r_opr_o	pr_o
135	07141	000	$r_oRr_or_o$	r_or_o
140	03131	000	$rir_oRr_or_o$	ir_o
171	97141	015	r_oir_o	+
091	00151	036	+	+
005	03092	023	$prph_or_os_o$	pr_o
075	00111	034	+	+
010	02112			
049	96111	008	pr	pr_o
026	92111	031	pr_o	+
022	93111	026	pr_o	+
100	97121	019	ir_o	ir_o
917	06141	000	$pr_od_or_orr_o$	$r_or_orRd_o$
980	0514	001		
976	0214	000		
965	9215	004		
969	9215	005		
962	0115	001		
952	9115	014		
953	0215	000		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

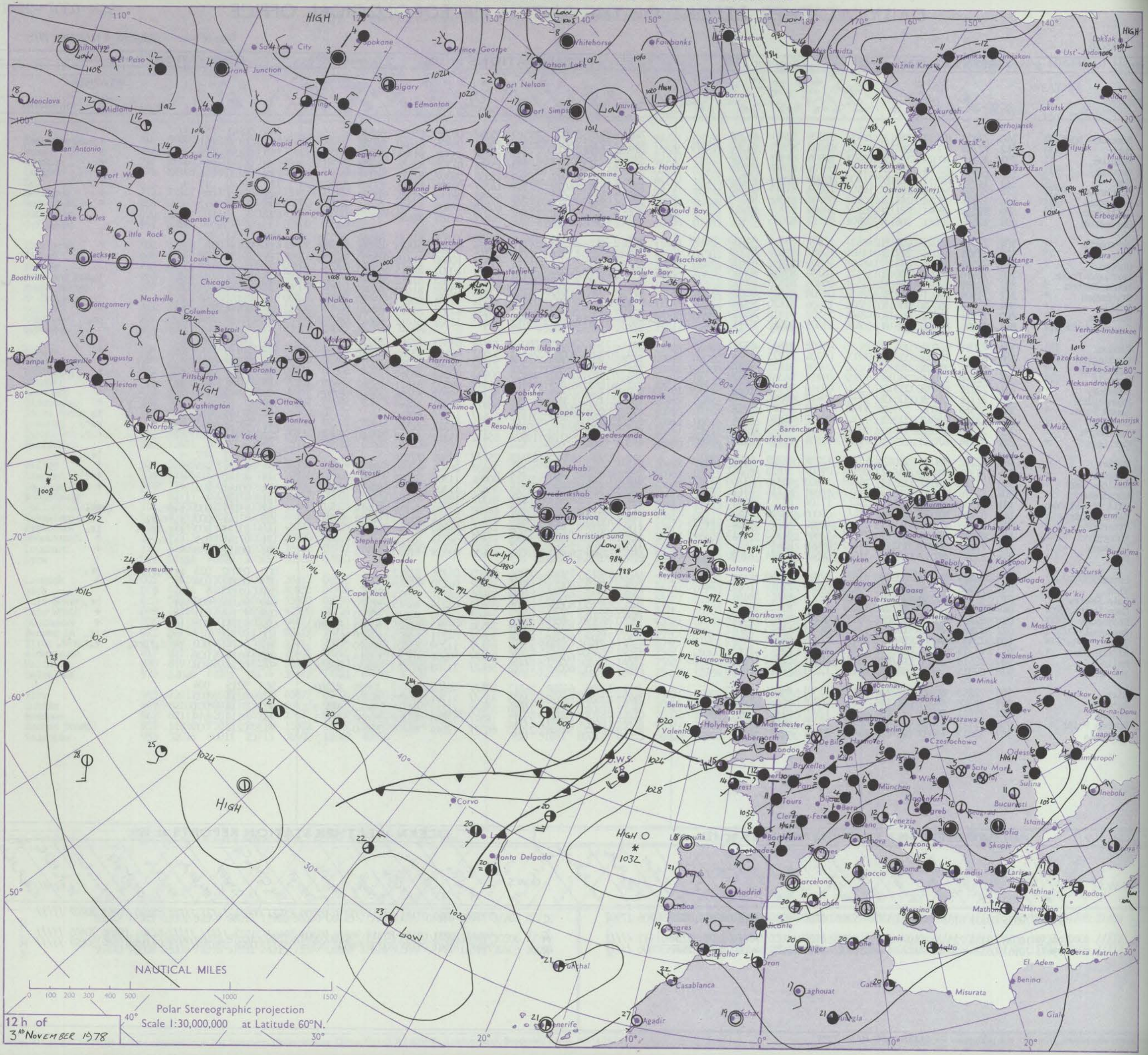
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vsapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	03121	81914	98022	05708	6555/	00722	86634	/////	05203	10932	30706	27907
CLMR	99652	10026	03124	72548	96818	88005	69460	51525	/////	/////	0//03	10734	31112	/////
CLMR	99471	70167	03124	62022	97022	24116	35502	00704	83620	86070	0//15	11605	30606	/////

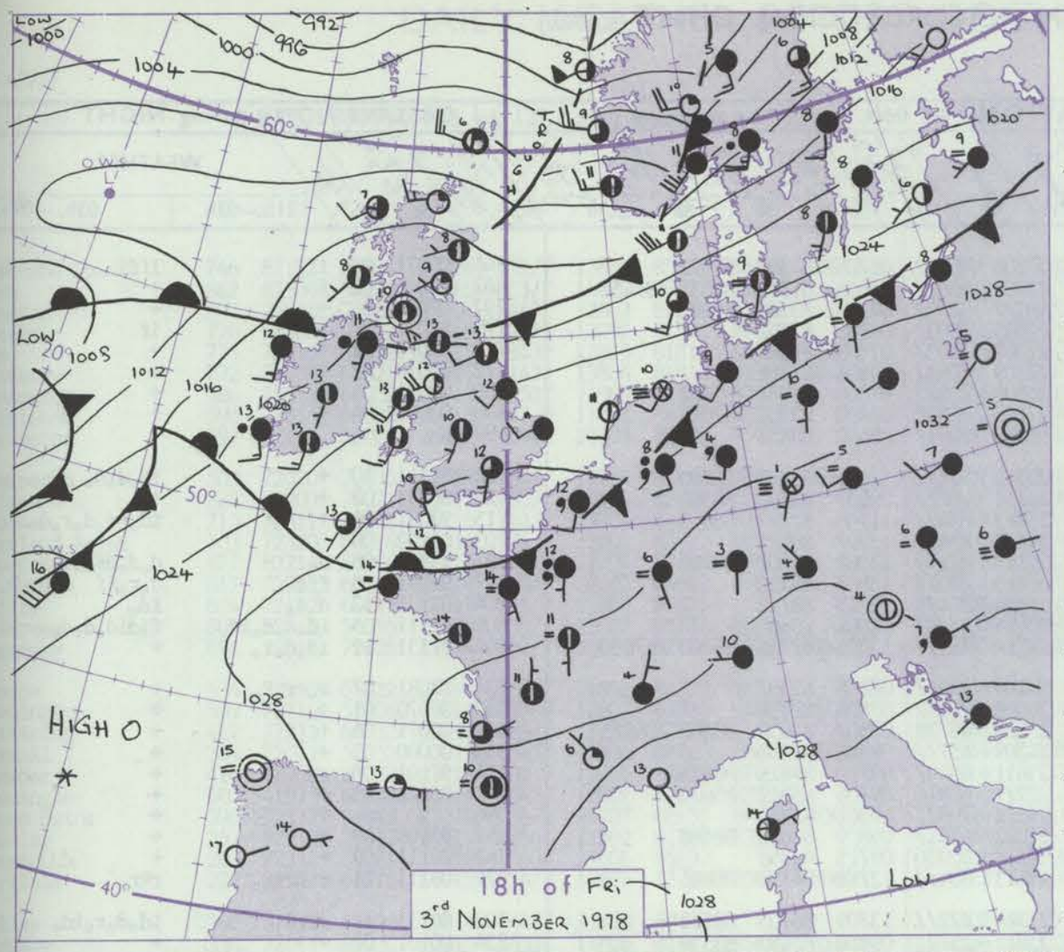
OCEAN WEATHER STATION REPORTS at 18h.

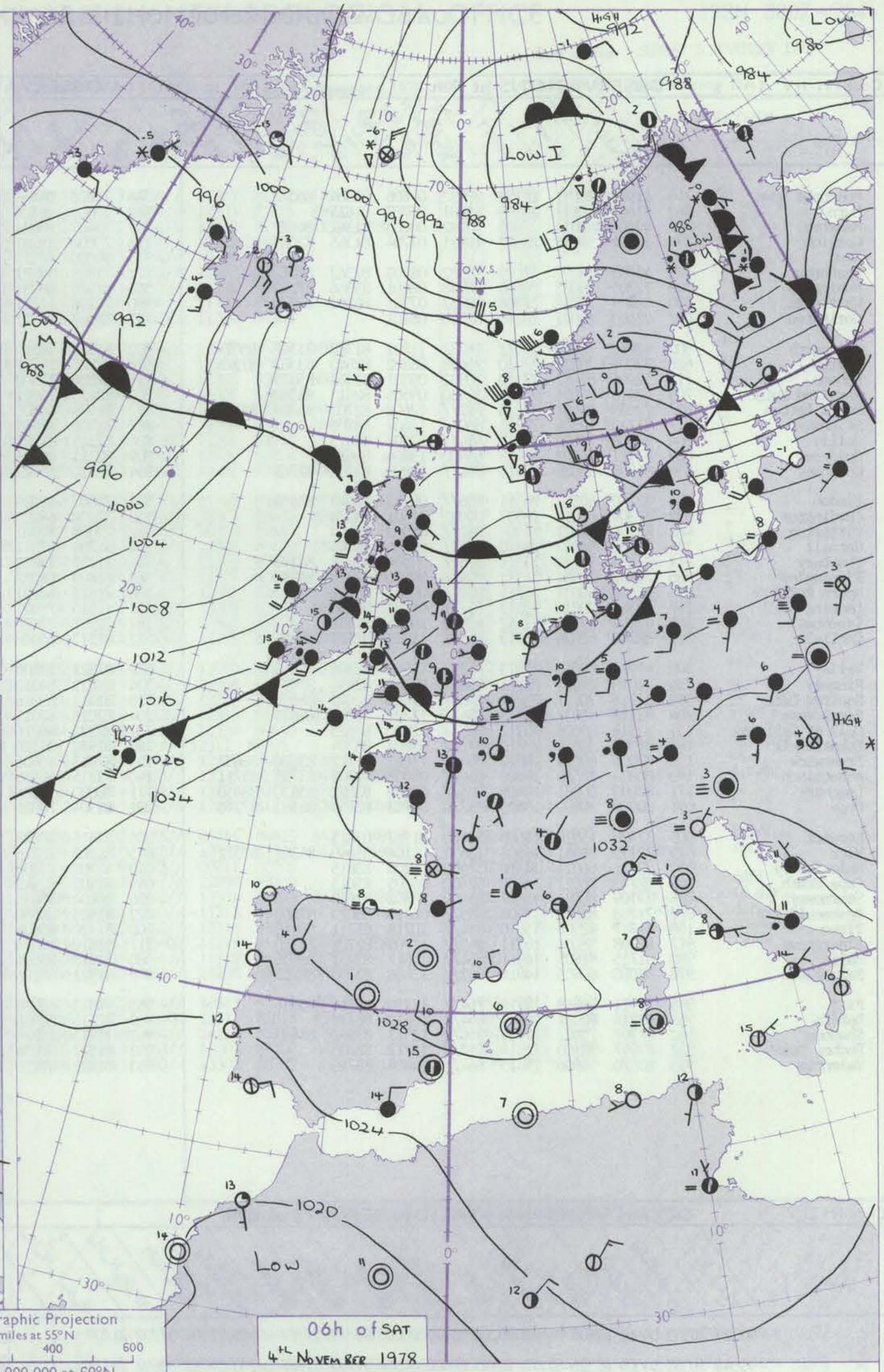
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vsapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	03181	82114	97216	99709	8742/	00624	/////	/////	05105	10962	30707	/////
CLMR	99647	10031	03184	82318	96818	93503	5946/	31223	/////	/////	0//01	10806	30605	/////
CLMR	99472	70167	03184	82130	96032	20516	855//	00808	88620	/////	0//15	11574	30607	/////

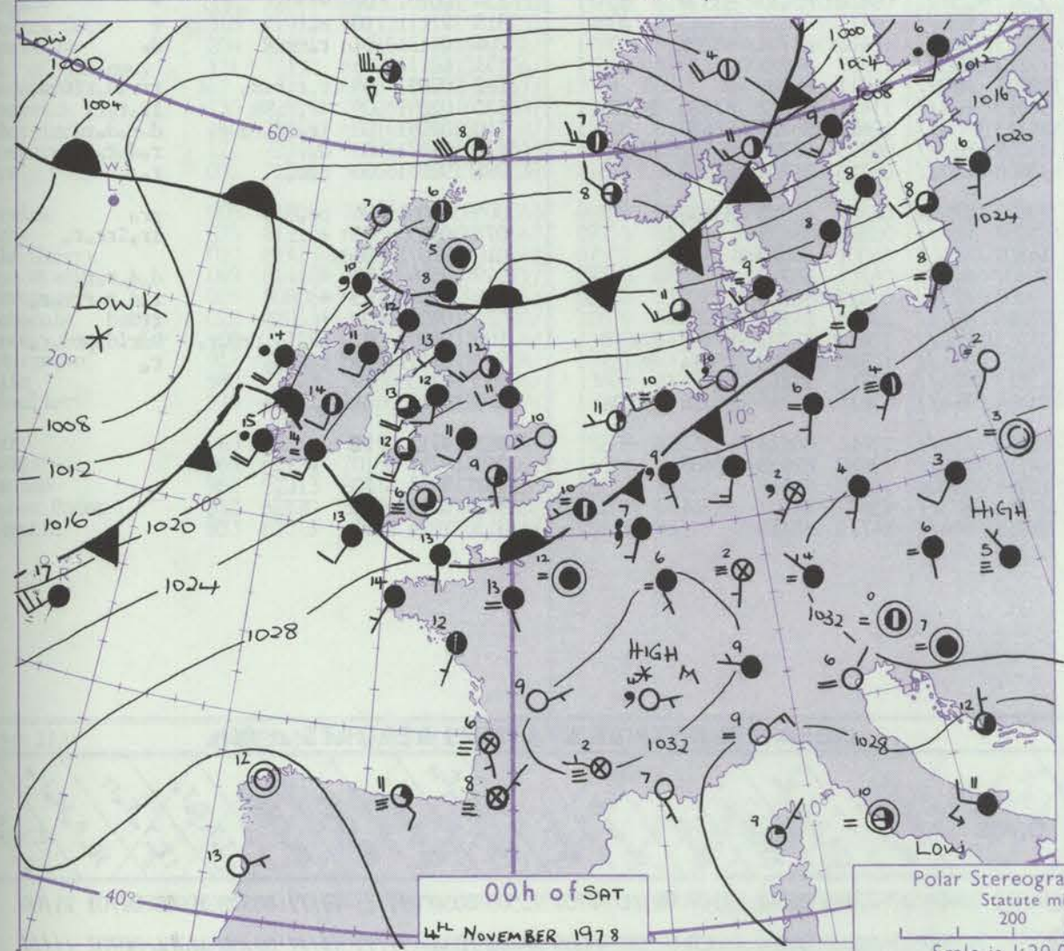
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH
Low
Whitehorse
Fairbanks
Barrow
Kotzebue
Prince George
Watson Lake
Fort Nelson
Fort Simpson
Inuvik
Calgary
Edmonton
Spokane
Salt Lake City
Grand Junction
Rapid City
Regina
Winnipeg
Minot
Devils Lake
Omaha
Kansas City
Lake Charles
Little Rock
Louisville
Chicago
Nashville
Columbus
Detroit
Toronto
Pittsburgh
Washington
Norfolk
Charleston
Augusta
Jacksonville
Tampa
Montgomery
Boothville
Midland
Monclova
San Antonio
Fort Worth
Dodge City
El Paso
Albuquerque
Ottawa
Montreal
New York
Caribou
Anticosti
Yarmouth
Stephenville
Sydney
Capel Race
Bermuda
Sable Island
Thule
Resolution
Fort Chimo
Nottingham Island
Port Harrison
Churchill
Baker Lake
Winisk
Nakina
Coral Harbour
Chesterfield
Cambridge Bay
Coppermine
Sachs Harbour
Mould Bay
Isachsen
Resolute Bay
Arctic Bay
Eureka
Alert
Clyde
Pond Inlet
Lerwick
Stornoway
Glasgow
Belfast
Holyhead
Valentia
Aberporth
Manchester
London
Brussels
Paris
Brest
Tours
Cherbourg
Bordeaux
Corvo
Ponta Delgada
Lisboa
Madrid
Coruña
Oporto
Barcelona
Palma
Gibraltar
Casablanca
Agadir
Tenerife
Funchal
Oran
Alger
Tunis
Malta
Messina
Roma
Napoli
Ajaccio
Brindisi
Athinai
Rodos
Heraklion
Mathon
Larisa
Skopje
Sofia
Istanbul
Bucuresti
Sulina
Constanta
Odessa
Sevastopol'
Simferopol'
Tuapse
Rostov-na-Donu
Kursk
Har'kov
Minsk
Smolensk
Moskva
Penza
Kazan'
Saratov
Volgograd
Astrahan'
Orenburg
Ufa
Perm'
Kirov
Vologda
Archangel'sk
Murmansk
Petrozavodsk
Leningrad
Helsinki
Stockholm
Oslo
Bergen
Trondheim
Ostersund
Aasa
Jyvaskyla
Tromso
Hammerfest
Vardo
Kevo
Ivalo
Sodankyla
Kandalaksa
Kem'
Onega
Arhangel'sk
Ust'-Cil'ma
Pechora
Amderma
Mys Zelaniya
Mys Kamennyj
Ostrov Kolguev
Ostrov Dolgaya
Ostrov Vaygach
Mys Uedinenija
Mys Celjuskin
Russkaja Gavan'
Tiksi
Olenek
Verhojansk
Ojmjakon
Ust'-Jansk
Zyrjanka
Niznie Kresty
Mys Smidta
Lokšak
Jakutsk
Kogalym
Surgut
Tobolsk
Tjumen'
Omsk
Novosibirsk
Barnaul
Kemerovo
Irkutsk
Bratsk
Ust'-Ilimsk
Kirensk
Vitim
Tynda
Aldan
Nerjungri
Neryungri
Ust'-Nera
Oimjakon
Ust'-Maja
Ust'-Kuyga
Cokurdah
Kazač'e
Džardžan
Aljujsk
Mirnyj
Mustuja
Erbogačen
Ostrov Belyj
Ostrov Kotel'nyj
Ostrov Zelenyj
Ostrov Kotel'nyj
Ostrov Bol'šoj Begičev
Ostrov Kotel'nyj
Ostrov Novaja Sibir'
Ostrov Kotel'nyj
Ostrov Kotel'nyj
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 : SATURDAY 4 NOVEMBER 1978

During the past 24 hours the anticyclone over Central Europe and an associated ridge of high pressure over France have persisted. Frontal troughs moved eastwards over northern districts while in the south pressure declined a little as a weak warm front moved northeast into Wales and Central England.

During the next 24 hours the anticyclone over Europe is expected to move a little southwards with a southwesterly airflow becoming established over the British Isles ahead of an advancing Atlantic trough of low pressure.

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

Code FM 11.V **OBSERVATIONS at 00h.** 4 November 1978

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	61906	70011	28108	20932	07606	82364	86072	
Hurn	862	21602	40111	28205	15401	05707	81615		
Manston	797	42408	66011	27809	10942	08603	81362	84072	
Gatwick	776	32502	58111	28507	10931	07704	81365	83075	
Kew									
Heathrow	772	41705	58031	27609	10932	08703	81362	84072	
Honington	586	72305	59022	26609	30938	08601	83366	87270	
Wattisham	590	62309	57012	27308	50932	07701	85360	85075	
Gorleston	497	02405	66021	26210	00900	08601			
Aberporth	502	62017	70012	24912	16332	11802	81708	83362	85075
Filton	628	72006	70022	27210	25638	08802	82640	83362	87275
Rhoose	715	52006	81012	27210	10932	09301	81362	85075	
Hartland Point	703	42418	74021	25812	22430	09506	82815	83360	
Mount Batten	827	72009	60031	27613	752//	12608	82705	85709	85640
St.Mawgan	817	81710	12284	27212	860//	12607	88700		
Scilly	804	82008	75022	27013	854//	13807	88615		
Culdrose	809	62111	56501	27413	65400	13804	86615		
Guernsey	894	81808	80026	28913	861//	12805	83702	87705	
Elmdon	534	82110	60212	26311	856//	09003	82640	88656	
Cardington	559	32309	62011	26907	00902	07501	83078		
Wittering	462	82206	62021	26509	857//	08303	88650		
Watnall	354	82507	50052	25810	8097/	09204	88362		
Shawbury	414	81305	70212	25511	3557/	09104	82625	88359	
Finningley	360	71907	57041	24311	30976	09400	83365	86275	
Spurn Point	396	82410	60031	24711	8097/	09601	88460		
Leeming	257	82314	70216	23012	857//	09103	88650		
Tynemouth	262	42004	61016	21512	40920	10105	84458		
Carlisle	222	82307	62026	20913	6557/	11802	82625	86656	
Valley	302	61921	63016	22813	653//	12000	82708	86642	
Ringway	334	72010	65021	25111	756//	09102	82630	87656	
Squires Gate	318	81911	70031	23612	856//	11400	82640	88650	
Ronaldsway	204	82112	65032	21313	854//	12801	81712	88635	
Mull of Galloway	131	82318	60606	20312	855//	12000	88625		
Eskdalemuir	162	81803	35616	20710	872//	09804	88704		
Prestwick	135	82006	68026	18812	854//	11812	81712	83620	86632
Abbotsinch	140	80803	18526	19109	850//	09808	81701	83703	85711
Leuchars	171	82602	80031	19408	855//	05803	83622	85630	88650
Dyce	091	80000	70032	18805	25776	03703	82650	86362	87270
Lerwick	005	32428	75028	11608	32400	01207	83815		
Wick	075	72112	81031	16806	15632	01104	81640	86362	87072
Sule Skerry	010	32721	66021	14310	32400	06208	83815		
Cape Wrath	049	52719	82022	14608	52400	05205	85815		
Stornoway	026	22109	80021	15807	25600	03802	82630		
Benbecula	022	71708	82032	15508	5557/	06710	85623	87460	
Tiree	100	81417	62506	15810	854//	10718	85711	88616	
Aldergrove	917	81908	56606	19211	863//	11709	82708	88710	
Malin	980	81715	61605	16311	854//	10617	83711	88636	
Belmullet	976	82020	60605	14914	863//	13606	85708	88715	
Birr	965	71911	66018	19714	764//	12710	85714	85631	
Dublin	969	82214	80031	20414	864//	10612	88718		
Shannon	962	81707	75022	19314	3567/	12512	83640	88460	
Roches Point	952	81917	59106	21514	862//	13712	88705		
Valentia	953	82020	56606	19615	864//	14609	88710		

OBSERVATIONS at 06h. 4 November 1978

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	71808	04464	27208	40932	08706	84360	87072	
862	70000	56104	27406	4542/	06606	81710	84635	87458
797	52407	70031	28107	30932	07302	83364	85072	
776	70000	20281	27805	7093/	04705	87362		
775	70000	62021	27307	7093/	07503	87360		
772	71905	59021	27109	7093/	09504	87362		
586	61905	58031	26508	20932	07500	82361	85072	
590	72208	56101	27107	20932	06400	82360	87075	
497	82507	66021	26510	8091/	08400	88458		
502	81917	30515	23513	871//	13606	85702	88710	
628	82005	65032	26111	2567/	09607	82640	88362	
715	81804	58502	25612	854//	11706	82710	88613	
703	82420	74021	24513	855//	13707	88625		
827	81906	40505	26913	871//	13301	87702	88710	
817	81708	03585	26113	870//	13801	88700		
804	82215	81025	25514	864//	13803	88712		
809	82212	20205	26514	862//	14501	88703		
894	72510	65022	27514	751//	13301	82702	86703	87620
534	72007	65026	24709	7095/	08708	87362		
559	32108	64020	26008	20932	07804	82359		
462	72008	50102	25508	45738	07507	84650	83360	86275
354	61704	57011	24209	657//	09706	86650		
414	71707	78032	23411	6543/	09710	84616	86626	
360	61809	68032	22711	50978	09706	85362	85075	
396	71612	62031	24111	7097/	09501	87360		
257	81510	75031	21212	6551/	09809	86620	88460	
262	32308	81020	19113	30930	09715	83358		
222	82213	65026	18613	854//	12713	84710	88616	
302	81921	59506	21314	872//	13709	86705	88712	
334	51812	64012	23011	25771	09810	82650	83359	
318	81411	65016	21311	855//	09717	85624	88640	
204	82016	65016	19213	862//	13610	83704	88705	
131	82122	66216	17613	855//	13707	88625		
162	81912	04516	18211	870//	11711	88701		
135	82013	65606	16313	854//	11611	81712	87620	88650
140	82115	60586	15713	854//	12613	86714	88620	
171	80000	57586	16109	853//	08719	83707	86712	88618
091	81304	70026	15808	853//	06713	81708	88610	
005	52416	80038	13607	59400	04307	82910	83630	
075	81503	75216	15207	856//	05808	88635		
010	42708	74030	14309	45500	05001	84620		
049	82302	82515	14407	874//	06702	88710		
026	80604	58635	13107	873//	07612	88706		
022	81505	30586	11010	862//	10622	84704	88707	
100	81920	40506	11913	852//	12616	83703	87708	88617
917	81910	70026	16613	854//	12510	82710	85614	88625
980	71918	68606	12813	764//	13715	83711	85716	
976	81921	62106	11414	864//	13614	81710	86714	87636
965	41913	62036	16815	456//	12614	84633		
969	82215	80036	18115	2567/	12610	82635	87460	
962	21915	75216	15914	25400	13720	81716		
952	81922	50636	19814	873//	13607	85707	88714	
953	81922	62216	16015	864//	14713	88711		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00071	02	iff	ifff
862	00040	02	f	+
797	97071	05	+	+
776	97031	01	+	if
775	00070	51	+	+
772	00070	02	+	+
586	00071	06	+	+
590	00060	04	+	+
497				
502	91111	10	+	$id_od_od_o$
628	00091	07	+	+
715	97091	06	+	$id_o-r_od_or_od_o$
703	01102	09		
827	93101	08	d_o	d_od_odf
817	92091	05	ffd_o	d_or_off
804	92131	12	d_od_o	id_o
809	01111	05	$id_od_od_oid_o$	$fidid_od_od_o$
894	91131	11	$id_od_or_o$	+
534	92081	07	$r_o-r_or_o$	+
559	00070	01	+	+
462	00071	06	+	+
354	00080	03	+	+
414	97101	08	r_o	+
360	00081	05	+	+
396			+	+
257	97101	09	r_o	+
262	00111	09	+	+
222	03111	11	r_oRrir_o	rRr_o
302	94131	11	d_or_o	$id_od_or_oid_o$
334	00101	07	+	+
318	97111	10	r_o	+
204	01121	11	r_o-r-R	d_o
131	02111			
162	07091	04	$r_or_orir_o$	$rrr_od_orffid_o$
135	02091	09	ir_or_oRR	$ir_or_or_o$
140	02091	03	$ir_oid_ord_or_o$	$d_or_od_or_o$
171	01071	03	d_o	$r_od_or_oid_o$
091	92031	53	r_or_o	r_o
005	01061	04	pr_o	pr_o
075	01052	01	+	$ir_oirr_or_o$
010	97071	06		
049	95062	05	+	$d_od_or_or_o$
026	05061	03	+	$r_od_or_orrr_or_o$
022	05081	04	+	rrdrd
100	05091	07	$ir_oid_odrd_or_o$	$Rdrid_oprd_or_o$
917	01111	10	r_orir_o	r_o
980	0310	09		
976	0411	11		
965	9712	10		
969	9712	10		
962	9213	12		
952	0213	12		
953	1014	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_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	04001	82608	98028	98208	834//	00701	/////	/////	05105	10904	3//02	21/09
L														
M	99645	10035	04004	62326	97278	96105	69400	00004	/////	/////	0//03	10788	30607	/////
R	99471	70168	04004	82227	97036	20316	854//	00707	88610	/////	0//16	11576	30608	/////

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	04061	23107	98021	97707	25500	00500	/////	/////	05302	10907	3//01	21/09
L														
M	99645	10038	04064	43028	97278	99004	49400	00347	/////	/////	0//00	10786	30707	/////
R	99469	70170	04064	82026	96606	18416	773//	00609	87706	/////	0//16	11614	30710	/////

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. 42717

Date of Issue SUNDAY 5 NOVEMBER 1978

Code FM 11.V

OBSERVATIONS at 12h. 4 November 1978

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	82112	62504	27314	852//	13801	85705	86614	88618
Hurn	862	82306	57202	27815	853//	14000	86707	88620	
Manston	797	72010	74022	28014	2647/	12803	82710	87465	
Gatwick	776	62109	62012	28015	22372	13802	81708	86075	
Kew	775	72110	68022	27215	18432	12805	81812	83362	85072
Heathrow	772	72009	65022	27015	11432	13804	81812	83362	86075
Honington	586	72013	62022	26113	11532	11803	81825	87072	
Wattisham	590	72314	62032	26913	663/8	11802	86709	87275	
Gorleston	497	52112	62022	26413	20934	10703	82358	85075	
Aberporth	502	72020	70035	23614	784//	12104	81710	84814	87630
Filton	628	72209	70022	26615	783//	13101	82809	87614	
Rhoose	715	72311	75206	26215	753//	12001	81707	87624	
Hartland Point	703	72320	80216	25114	784//	12001	83812	87630	
Mount Batten	827	82214	58504	27714	852//	12202	82704	88616	
St.Mawgan	817	72012	60016	26714	754//	12002	84612	87615	
Scilly	804	72112	60012	27015	755//	13209	87621		
Culdrose	809	82212	56055	27114	853//	12002	81707	88625	
Guernsey	894	72512	72026	29114	752//	13003	82705	84707	86614
Elmdon	534	72110	65022	24914	6633/	12802	81709	86711	
Cardington	559	72110	58806	25914	58388	12807	84709	83835	87275
Wittering	462	72213	68032	25213	763//	11704	87708		
Watnall	354	72011	57052	23913	6543/	12806	84710	85650	87362
Shawbury	414	72209	80032	23116	785//	12805	82820	87632	
Finningley	360	41913	62011	22514	38432	10807	81815	83656	
Spurn Point	396	52112	64012	23312	25672	10707	82635	84360	85075
Leeming	257	52212	75012	20615	28541	11802	81822	83362	
Tynemouth	262	72312	69021	18915	55631	11806	85630		
Carlisle	222	82314	68216	18415	854//	12805	82710	85615	88640
Valley	302	81928	63026	20514	864//	13808	88712		
Ringway	334	72011	62032	22815	3853/	11803	81822	83630	85360
Squires Gate	318	71913	68212	21415	5853/	12804	81820	84632	86359
Ronaldsway	204	72021	62016	18214	752//	12806	81705	84707	85632
Mull of Galloway	131	72132	66026	16113	754//	13706	82710	87625	
Eskdalemuir	162	81914	30586	18012	871//	12801	86702	88706	
Prestwick	135	82016	70026	15314	854//	12805	81710	87620	88645
Abbotsinch	140	72017	65016	14615	753//	12706	81709	83618	87628
Leuchars	171	72214	70026	14715	65432	12710	83618	85645	
Dyce	091	71906	56056	13713	7537/	11808	81708	85714	
Lerwick	005	81802	75022	15008	35637	05204	83630	87359	
Wick	075	81212	68606	13108	3547/	07715	81712	83620	88467
Sule Skerry	010	81413	66606	13509	2742/	07507	82710	88458	
Cape Wrath	049	81410	58536	11907	871//	07715	88702		
Stornoway	026	80806	60216	10309	851//	09717	83702	86708	88615
Benbecula	022	82015	25506	09312	860//	12606	84701	88702	
Tiree	100	71718	61606	11013	754//	13805	83710	84615	87620
Aldergrove	917	72014	68216	15015	754//	13707	83710	85616	87628
Malin	980	72023	70036	11615	784//	13806	81715	86820	
Belmullet	976	82222	20586	12313	862//	13313	86703	88708	
Birr	965	52115	70258	17416	585//	13209	82820	84631	
Dublin	969	62224	70156	17017	654//	11607	81717	86625	
Shannon	962	22313	80016	17717	28500	13213	82822		
Roches Point	952	82120	50216	20714	863//	14104	88706		
Valentia	953	82018	62028	18716	864//	15215	85716	88628	

OBSERVATIONS at 18h. 4 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{app}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
	746	72210	60025	26913	754//	11303	81712	87619	
	862	82305	57052	27614	854//	12303	83715	88621	
	797	61809	57102	27312	15471	12302	81710	83360	85072
	776	82308	62025	27314	864//	12302	88712		
	775	72307	65022	26815	754//	12304	87618		
	772	62207	68016	26515	655//	12303	86620		
	586	22108	65011	25813	25500	11301	82625		
	590	82108	62022	26214	854//	11305	88614		
	497	42007	50021	25913	40970	11304	84360		
	502	81918	65056	23713	853//	12307	84708	88628	
	628	72208	64016	26314	756//	11304	87632		
	715	62306	65012	25914	35501	12303	83625	86075	
	703	72616	66022	24514	756//	11302	87630		
	827	82012	59035	27014	852//	13302	85705	88618	
	817	61710	58022	26113	45402	11500	84610	86075	
	804	31910	60011	25614	35500	13502	83620		
	809	72114	30102	26213	784//	13500	82818	87630	
	894	71402	62022	28413	35532	12302	83620	85075	
	534	62111	58041	24713	3553/	11305	83624	85358	
	559	42211	65018	25714	25631	12305	82635	83075	
	462	22211	75011	24513	15630	10303	81645		
	354	62209	62031	23813	655//	11308	84620	85650	
	414	72112	80032	23315	754//	12306	87614		
	360	32111	68011	22314	35700	11207	83650		
	396	51911	61031	23013	25670	12501	82630	85360	
	257	82112	65036	20515	854//	13308	85616	88626	
	262	72016	69258	18214	6567/	12303	86635		
	222	72414	64026	18014	753//	13308	81708	85637	87650
	302	82120	58032	21314	863//	13310	88707		
	334	72113	75022	22515	754//	11208	87616		
	318	52115	65016	21313	35501	12207	81620	83650	
	204	62216	58256	18913	58202	12313	81705	83828	
	131	32420	70016	17413	35600	12320	83640		
	162	81913	58216	17512	872//	12311	88705		
	135	82415	50606	16015	854//	12319	84616	88622	
	140	82409	58216	15014	853//	13316	81707	84711	85615
	171	72313	60026	13814	754//	13201	83712	87616	
	091	72010	58052	11913	654/8	12804	81710	83618	85656
	005	81413	81036	13507	4557/	05714	84625	84357	88458
	075	81407	50216	10710	852//	10507	83704	84707	88620
	010	80919	32506	10209	873//	09711	88708		
	049	91905	02535	09112	9////	12608	89/00		
	026	82011	57586	08812	852//	12501	82705	85708	88615
	022	82215	20516	09511	860//	11313	88701		
	100	82122	32516	12212	862//	12318	88704		
	917	62210	70016	16913	35402	11219	81712	83615	85075
	980	72322	75606	14514	764//	11119	84717	87627	
	976	82020	50586	14215	863//	14208	86706	88711	
	965	71807	70216	18615	764//	13313	85714	86630	
	969	52214	75258	18816	58404	12312	82818	83645	
	962	82006	70036	18616	864//	14210	85714	88624	
	952	71917	58105	20814	763//	13303	86707	87711	
	953	81917	50106	18815	863//	13305	88709		

OBSERVATIONS during DAY

Station	iii	RRT T E x x	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
	746	97150	001	d_od_o	d_o
	862	97151	002	d_o	+
	797	00150	003	+	+
	776	97161	003	d_o	d_o
	775	00160	007	+	+
	772	97160	005	$r_od_or_o$	+
	586	00150	017	+	+
	590	00150	013	+	+
	497		020		
	502	01141	002	iddr	+
	628	97150	006	r_o	+
	715	97151	000	id_o	+
	703	91140	000		
	827	97141	000	d_od_o	+
	817	00151	002	+	+
	804	00160	029	+	+
	809	00140	001	+	+
	894	97151	002	d_or_o	+
	534	00160	042	+	+
	559	97161	004	$r_opr_oir_o$	+
	462	00150	009	+	+
	354	91161	011	+	d_or_o
	414	94171	013	jp	r_or_o
	360	97170	024	+	r_o
	396			+	+
	257	97171	019	+	r_o
	262	97161	022	+	pr_o
	222	94151	001	$r_or_oir_or$	d_or_o
	302	97151	004	+	id_o
	334	97161	006	+	d_o
	318	97161	014	r_o	r_o
	204	91151	005	ir_o	ir_opr_o
	131	95131			
	162	06122	000	$id_od_or_od_or_odr$	$d_or_rr_or_o$
	135	01151	000	ir_oir	ir_o
	140	02151	000	$d_or_od_or_odr$	$d_or_od_o$
	171	92161	019	id_or_o	r_o
	091	00151	024	jp	+
	005	01081	000	ir_o	$ir_or_or_o$
	075	04111	000	$r_or_od_or_o$	drf
	010	03112			
	049	02122	000	ddDFF	ddff
	026	02121	000	$r_or_oir_o$	$id_od_or_o$
	022	04131	000	$r_or_orrd_od_o$	$d_or_od_od_o$
	100	92141	001	$d_or_oir_odr$	$id_od_od_o$
	917	97151	009	r_o–r_o	r_o–r_o
	980	9616	019		
	976	0115	001		
	965	9217	023		
	969	9717	040		
	962	9118	021		
	952	0414	000		
	953	9616	001		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

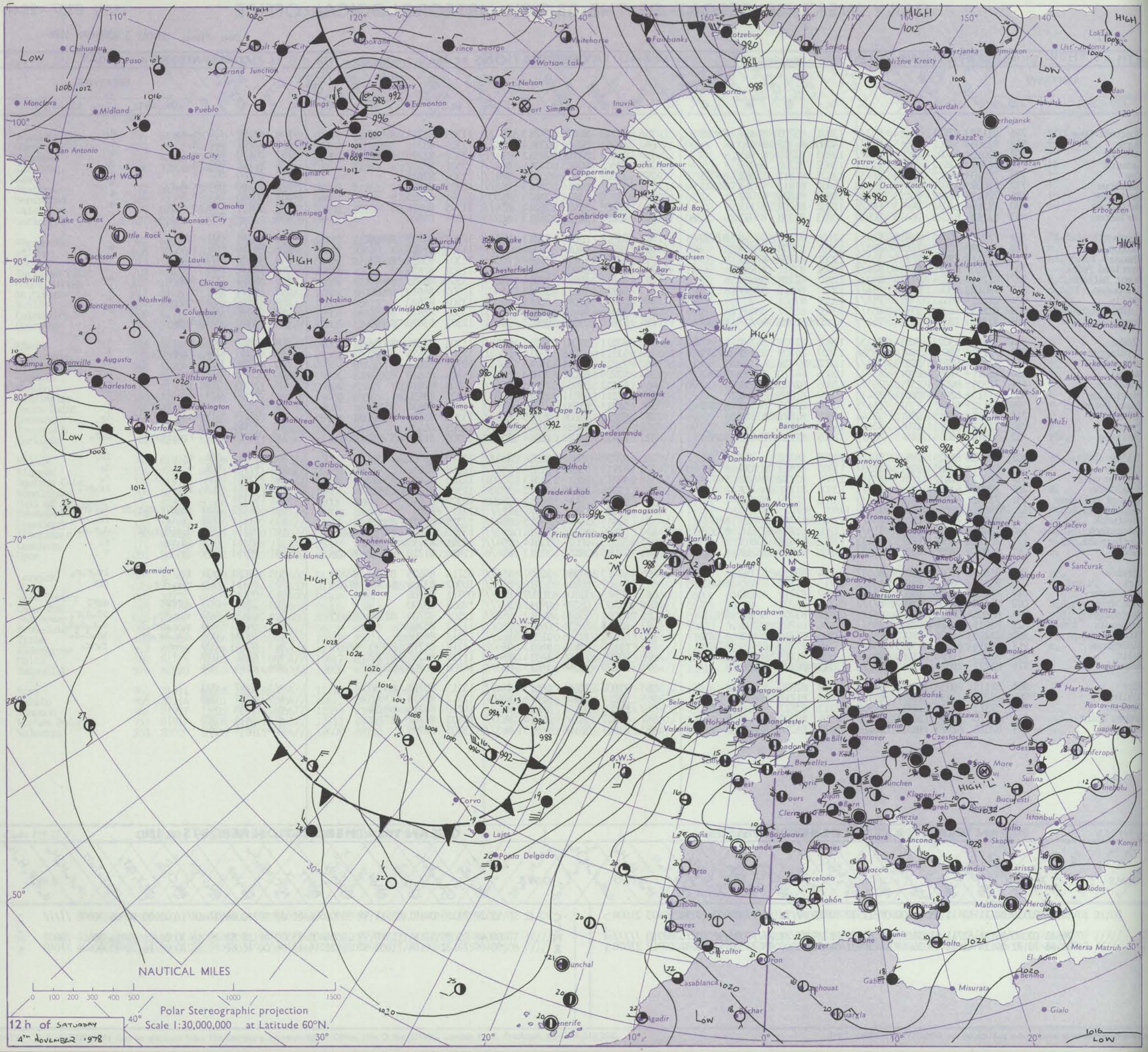
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_{app}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	04121	63411	98031	00907	22532	00223	/////	/////	05303	10894	30403	21008
L	99643	10040	04124	62741	97258	05804	59360	51228	/////	/////	0//52	10776	30910	/////
M	99468	70172	04124	41822	97036	17016	30931	00804	83360	83073	0//15	11637	30812	27008
R														

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_{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	04181	83515	98032	02506	856//	00310	88637	/////	05600	10965	30808	/////
L	99642	10036	04184	72520	98022	14405	75500	61128	83620	87630	0//01	10814	30404	28808
M	99469	70172	04184	71830	97021	11516	15506	00718	81620	87270	0//14	11633	30604	27010
R														

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
Pueblo
Grand Junction
Rapid City
Bismarck
Dodge City
San Antonio
Fort Worth
Omaha
Kansas City
Lake Charles
Little Rock
St. Louis
Jackson
Boothville
Montgomery
Nashville
Chicago
Columbus
Detroit
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Washington
Norfolk
New York
Toronto
Ottawa
Montreal
Caribou
Anticosti
Yarmouth
Sable Island
Bermuda
Stephenville
Gander
Cape Race
Winnipeg
Churchill
Nakina
Winisk
Moosonee
Port Harrison
Coral Harbour
Nottingham Island
Chesterfield
Baker Lake
Coppermine
Fort Nelson
Fort Simpson
Fort Smith
Watson Lake
Prince George
Whitehorse
Inuvik
Fairbanks
Barrow
Kotzebue
Fort Norman
Edmonton
Calgary
Lethbridge
Spokane
Boothia Peninsula
Fury and Hecla Strait
Fox Basin
Foxe Basin
Cape Dyer
Cape Hooper
Cape Christian
Pangnirtung
Resolution
Lake Harbour
Padloping Island
Frobisher Bay
Cape Dorset
Sugluk
Wakeham Bay
Port Burwell
Fort Chimo
Knob Lake
Schefferville
Goose Bay
Hopedale
Nain
Hebron
Godthab
Frederikshab
Angmagssalik
Prins Christians Sund
Julianehaab
Narssarssuaq
Aputiteq
Scoresbysund
Ittoqqortoormiit
Cape Brewster
Kap Tobin
Jan Mayen
Bear Island
Barentsburg
Longyear
Barentsburg
Hopen
Danmarkshavn
Daneborg
Tromsø
Bodø
Lakselv
Alta
Vardø
Kirkenes
Murmansk
Arkhangel'sk
Onega
Petrozavodsk
Kem'
Belomorsk
Kandalaksha
Lovozero
Kandalaksha
Kem'
Kolguyev
Naryan-Mar
Vorkuta
Ukhta
Pechora
Ust'-Tsil'ma
Ust'-Usa
Inta
Ukhta
Sosnogorsk
Syktyvkar
Kotlas
Ust'-Kulom
Ust'-Vym
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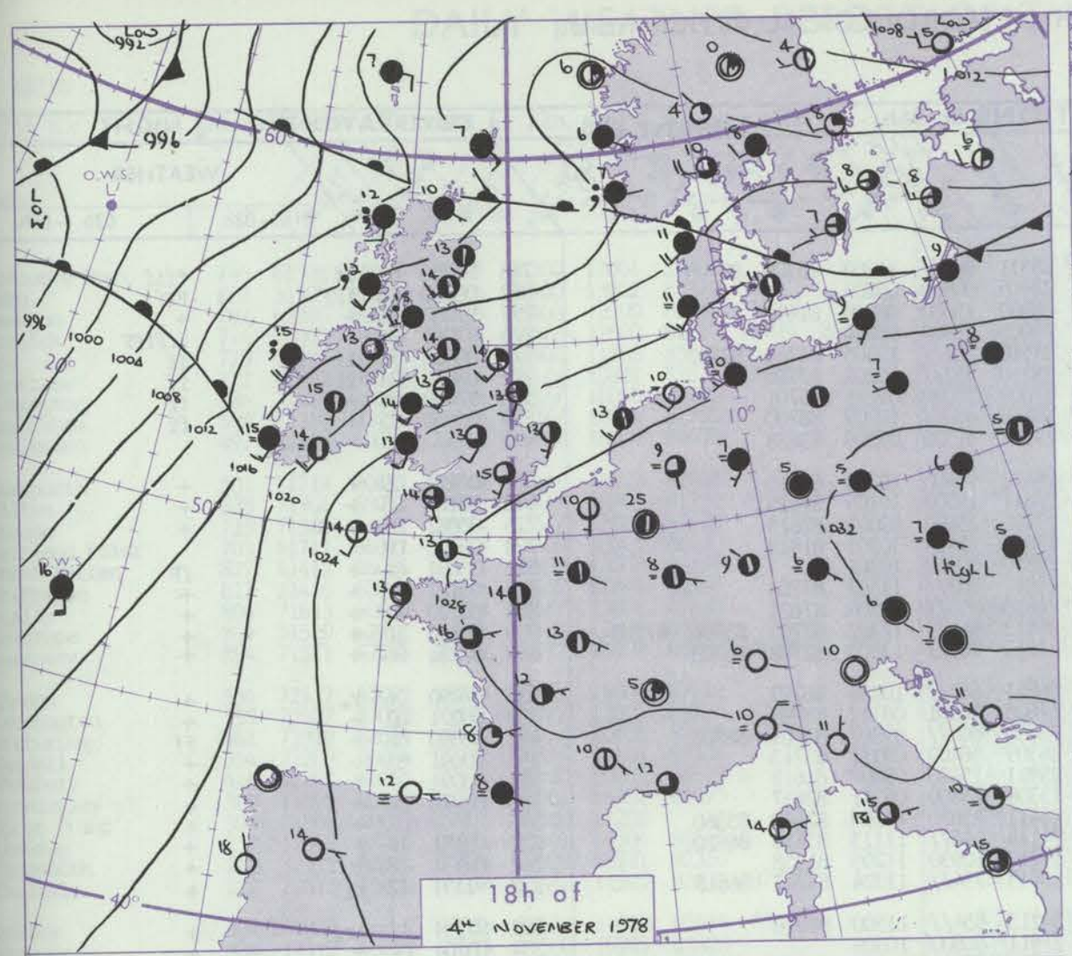
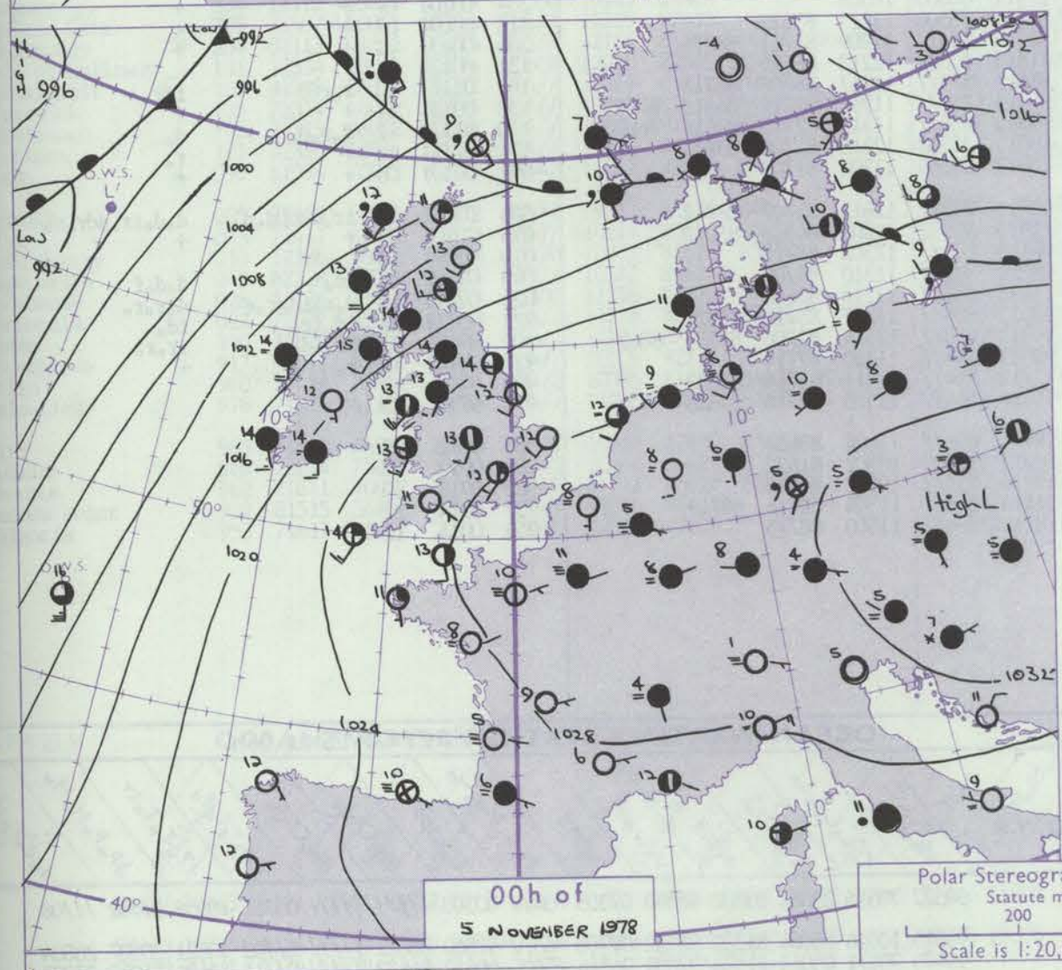
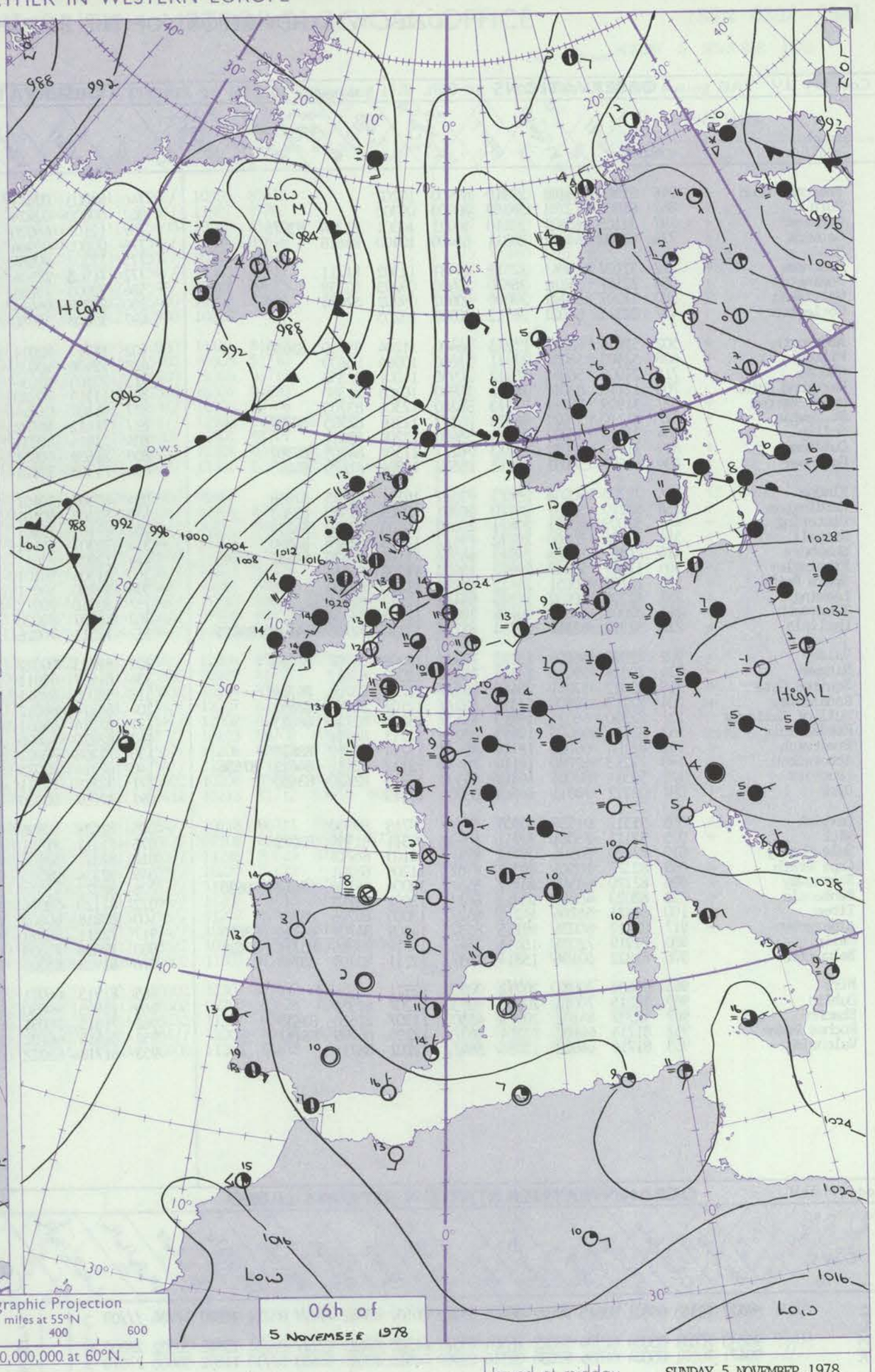
Ukhta
Sosnogorsk
Syktyvkar
Kotlas







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

Issued at midday SUNDAY 5 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours weak frontal troughs have moved across western and northern parts of the British Isles. A large anticyclone, however, centred over Central Europe, with a ridge extending into southeast England, has remained the dominant influence on the UK weather.

Little change in the pressure distribution is expected over Britain during the next 24 hours. The European high will remain stationary with a ridge across most of the United Kingdom.

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

Code FM 11.V — OBSERVATIONS at 00h. — 5 November 1978

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	01806	56101	27910	00900	10202			
Hurn	862	01802	22101	28309	00900	09302			
Manston	797	32105	60021	28110	10931	10301	81364	83075	
Gatwick	776	62002	60011	28311	65400	10400	86616		
Kew									
Heathrow	772	32107	26041	27512	16431	11302	81711		
Honington	586	22107	35101	26810	20930	09203	82359		
Wattisham	590	22207	50101	27309	00902	09202	82075		
Gorleston	497	02311	60021	26712	00900	10205			
Aberporth	502	51916	62012	25213	56400	11204	83710	83650	
Filton	628	52403	58052	27311	55600	10304	85630		
Rhoose	715	21908	56041	26912	20930	11001	82358		
Hartland Point	703	12110	82011	26212	10930	10308	81360		
Mount Batten	827	31909	58011	27413	36200	12301	83705		
St.Mawgan	817	81710	57021	26613	862//	11301	82705	88707	
Scilly	804	31913	58030	25814	35400	12204	83611		
Culdrose	809	71910	40052	26813	762//	11301	84705	87707	
Guernsey	894	41609	56051	28213	15502	13804	81623	84075	
Elmdon	534	72208	50046	25613	755//	10101	81625	87656	
Cardington	559	52210	57101	26710	40981	10203	83360	83363	
Wittering	462	52009	60021	25811	25630	10103	82640	84359	
Watnall	354	72406	20106	25112	754//	11003	82616	86650	
Shawbury	414	71807	75026	24913	4551/	11104	81620	84632	87460
Finningley	360	11907	56046	23812	15400	11206	81616		
Spurn Point	396	12109	50051	24412	10930	11210	81360		
Leeming	257	82209	60032	22315	854//	12110	88612		
Tynemouth	262	32008	69021	20414	30930	12314	83358		
Carlisle	222	82312	62216	20714	852//	13310	82705	84709	88615
Valley	302	72024	56106	23313	753//	13209	81707	87620	
Ringway	334	72314	59025	24214	754//	12002	87617		
Squires Gate	318	82012	57041	23613	863//	13212	83706	88708	
Ronaldsway	204	82117	59106	21313	852//	12107	83704	88632	
Mull of Galloway	131	82330	66021	19813	854//	13209	83710	88625	
Eskdalemuir	162	82114	08606	19813	870//	12211	88701		
Prestwick	135	82104	66026	18714	854//	13214	85712	88625	
Abbotsinch	140	72213	62026	18114	754//	12112	82712	84622	87636
Leuchars	171	52514	80021	16812	45502	10218	82620	83650	
Dyce	091	02212	70011	14013	00900	10113			
Lerwick	005	91512	01556	10909	9////	09718	89/00		
Wick	075	32111	75011	11711	10932	09311	81359	83072	
Sule Skerry	010	82020	60506	09412	874//	12103	88715		
Cape Wrath	049	82327	10505	09511	870//	11206	88701		
Stornoway	026	82120	60506	10112	853//	12004	85706	87612	88630
Benbecula	022	82023	40205	10812	862//	12001	88703		
Tiree	100	81821	56206	14213	862//	13005	85705	88707	
Aldergrove	917	82012	60026	19115	853//	14209	84707	86710	88620
Malin	980	71919	72026	16415	764//	14212	83710	85714	85628
Belmullet	976	81822	60106	15814	863//	12211	83709	88718	
Birr	965	01605	70021	20712	00900	10311			
Dublin	969	12215	70011	20814	10930	11207	81359		
Shannon	962	41707	64101	20013	45500	11307	82620	83635	
Roches Point	952	81714	60102	22214	863//	12205	86709	88717	
Valentia	953	81716	64022	19014	864//	12202	88714		

OBSERVATIONS at 06h. — 5 November 1978

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{app}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	82003	02441	28311	860//	11203	86700	88705	
862	00000	02424	28405	00900	05204			
797	12107	65020	28809	15600	08206	81640		
776	00000	00464	29005	00900	05207			
775	72202	20284	28510	762//	10305	84705	87707	
772	71903	20104	28210	762//	10207	87704		
586	52003	15284	27609	56030	09211	85701		
590	82308	06444	28110	860//	10209	88700		
497	32408	32050	27511	31500	09209	83828		
502	11717	62011	25412	15400	10303	81710		
628	12406	60031	27811	15500	10105	81625		
715	22105	62030	27310	25400	09003	82615		
703	11914	74020	25811	11400	10301	81813		
827	01107	01444	26810	00900	10301			
817	71612	40102	25912	762//	11502	87704		
804	71814	60031	24813	755//	12504	87621		
809	81609	40051	26413	862//	12302	82703	85706	87710
894	71308	32101	27613	761//	13500	82702	86703	
534	62007	30101	26711	662//	10206	86703		
559	52206	40101	27608	56301	08312	85709		
462	82107	15101	26809	860//	09207	85701	88702	
354	32307	15101	26309	36400	09311	83713		
414	12008	75011	25911	15400	09307	81616		
360	21506	50101	25308	25800	08311	82657		
396	52010	50051	25411	25670	10208	82630	85360	
257	62310	70012	24114	654//	11113	85616	86620	
262	12307	80020	21713	10930	11205	81358		
222	72311	70026	23113	754//	11324	83712	86618	
302	81823	60022	24213	854//	11500	88618		
334	01607	62011	25911	00900	10309			
318	52008	62011	25111	55500	11215	85622		
204	82214	66012	22914	854//	11209	81711	88616	
131	82324	65031	21813	855//	12213	88625		
162	82020	56606	21812	873//	11317	86708	88710	
135	72208	70022	20513	754//	11312	82714	84618	87645
140	62314	62035	19913	654//	11317	82712	83616	86650
171	32219	70211	18015	35300	12210	82708	83620	
091	12007	80030	15613	16340	11305	81708		
005	82028	40596	08711	873//	11613	85707	88712	
075	72117	81031	11913	40932	11205	84358	85072	
010	82321	58506	09113	874//	12302	88715		
049	92334	02515	09012	9////	11310	89/00		
026	82322	75016	11113	856//	11215	88640		
022	82120	58016	12613	854//	11217	85713	88627	
100	81818	60602	16313	853//	12314	82706	85711	88624
917	72011	70021	20513	764//	11310	87714		
980	72018	75035	17713	764//	11211	85715	85632	
976	81928	65205	15614	864//	11303	87718	87638	
965	81915	66021	19714	856//	11604	88631		
969	11905	80030	21313	15500	10302	81622		
962	71815	70031	19214	755//	10502	87625		
952	81615	60102	21414	864//	11304	82716	88719	
953	81718	65022	18214	864//	11500	88715		

OBSERVATIONS during NIGHT

iii	RRT_nT_hE	T_gT_g	WEATHER 21h.—03h.	WEATHER 03h.—09h.
746	97080	03	if	ffif
862	00050	03	fFF	FFff
797	97080	06	+	+
776	97041	01	+	ifFfFF
775	00050	51	if	if
772	00090	04	if	if
586	97090	06	+	ff
590	00080	05	+	ff
497				
502	00121	09	+	+
628	00100	05	+	+
715	00081	02	+	+
703	00100	08		
827	00091	06	+	fF
817	00121	09	+	+
804	00120	11	+	+
809	00110	10	+	+
894	97131	06	+	+
534	97090	06	r_o	+
559	00071	02	+	+
462	00090	08	+	ff
354	00091	05	+	+
414	00091	07	+	+
360	00070	04	+	+
396			+	+
257	00131	10	+	+
262	00131	10	+	+
222	91131	12	r_o	+
302	97131	12	ir_o	+
334	00101	07	+	+
318	00091	07	+	+
204	00131	11	+	+
131	00121			
162	01111	10	r_orff	fir_o
135	00131	11	+	+
140	91131	12	$d_or_od_o$	d_o
171	91121	10	+	r_o
091	00101	06	+	+
005	03071	05	$ir_oddDDd_od_o$	$d_od_oir_oddr_or_o$
075	00101	08	+	+
010	01091	10		
049	01102	09	id_o	d_od_of
026	02111	10	$d_or_oid_or_or$	$d_or_or_o$
022	95111	11	id_oir_o	id_o
100	97121	11	ir_oid_o	ir_or_o
917	91121	10	r_o	+
980	9713	11		
976	9713	13		
965	0012	09		
969	0013	09		
962	9713	10		
952	9114	12		
953	0014	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	05001	83513	98022	06605	855//	00107	88642	/////	05701	10892	3//06	///09
L														
M	99643	10031	05004	81906	98022	16504	855//	61500	88625	/////	0//61	10828	30302	28806
R	99471	70171	05004	61835	97038	09316	68500	00610	82820	86633	0//13	11592	30608	27010

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	05061	83508	98038	07305	834//	00303	/////	/////	05751	10958	3//02	///08
L														
M	99645	10026	05064	81230	98032	07706	855//	41860	88622	/////	0//02	10821	30707	28804
R	99470	70171	05064	61834	97031	06516	65600	00612	86633	/////	0//14	11604	31012	27003

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. 42718

Date of Issue MONDAY 6 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 5 November 1978

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	61508	69014	29315	68300	12001	85809		
Hurn	862	31509	68034	29216	31400	13802	83818		
Manston	797	62206	65031	30115	65400	12000	86616		
Gatwick	776	70000	56104	30113	784//	12802	82710	84814	86622
Kew	775	52105	62031	29715	51400	11803	85815		
Heathrow	772	51902	59031	29515	584//	13801	82816	84625	
Honington	586	72407	50051	29612	763//	10005	87707		
Wattisham	590	72310	50054	29912	763//	10004	87706		
Gorleston	497	22508	40051	29313	25600	10004	82630		
Aberporth	502	71719	60021	26613	754//	10002	87618		
Filton	628	71906	59051	28815	754//	12001	81712	87618	
Rhoose	715	71308	61031	28014	755//	13801	87620		
Hartland Point	703	61711	66011	26615	61500	10001	86820		
Mount Batten	827	41412	56054	27515	46300	13000	84707		
St.Mawgan	817	21416	62011	26216	11432	12801	81810		
Scilly	804	71613	60022	25614	754//	13003	87618		
Culdrose	809	31510	62051	26815	11432	12102	81815		
Guernsey	894	71511	57285	28312	762//	11803	83703	86705	
Elmdon	534	72112	62022	28713	754//	11006	87612		
Cardington	559	72307	57052	29513	763//	12005	85706	87710	
Wittering	462	72310	58051	29112	763//	10108	83708	87709	
Watnall	354	72208	40054	28412	763//	11106	87707		
Shawbury	414	42207	66031	27615	41400	10005	84819		
Finningley	360	11809	60020	26915	00901	11002	81075		
Spurn Point	396	01908	40051	27914	00900	11208			
Leeming	257	12012	68021	26015	15401	10306	81618		
Tynemouth	262	32512	80021	24616	20939	10211	82359		
Carlisle	222	72513	75022	24914	754//	11209	82618	87626	
Valley	302	81823	66022	25813	854//	11000	85616	88620	
Ringway	334	12112	65020	27514	11500	10305	81820		
Squires Gate	318	71507	50041	27014	756//	12209	87630		
Ronaldsway	204	82113	61212	24813	853//	12104	81706	86710	88620
Mull of Galloway	131	52334	66011	22714	25601	12000	82640	85070	
Eskdalemuir	162	81917	58036	24212	854//	10207	85712	88625	
Prestwick	135	72314	68022	22914	754//	10108	81616	84622	87630
Abbotsinch	140	72215	68022	22514	784//	10209	81817	87620	
Leuchars	171	72320	68021	20714	754//	10206	87616		
Dyce	091	61914	70011	18315	55442	11213	81612	84657	
Lerwick	005	72335	62026	09812	60972	09211	83359	84365	
Wick	075	72411	82022	15113	3567/	10214	83635	85358	87362
Sule Skerry	010	52336	58016	12213	25570	10207	82620	85358	
Cape Wrath	049	62328	70025	12413	655//	10212	86625		
Stornoway	026	42124	75016	14513	45500	11218	84620		
Benbecula	022	72027	65022	15713	754//	11218	82616	87625	
Tiree	100	71820	60056	18913	756//	11214	87632		
Aldergrove	917	82012	65022	22413	854//	10109	82713	88615	
Malin	980	72019	72012	19414	684/2	10005	81717	84632	85075
Belmullet	976	71924	61102	17715	754//	11208	83718	87640	
Birr	965	71813	64022	21815	785//	10110	82820	87632	
Dublin	969	72214	75031	23315	655/2	10012	86622		
Shannon	962	71611	70022	21415	555/8	11211	85628	86275	
Roches Point	952	81515	56102	22914	855//	11006	88627		
Valentia	953	71617	65022	20015	72500	12005	87820		

OBSERVATIONS at 18h. 5 November 1978

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	71306	50051	29211	754//	10305	87612		
862	71305	50051	29213	763//	11307	87707		
797	21805	58011	30511	25400	10208	81615		
776	71404	64022	30013	754//	10306	87616		
775	71504	60022	29714	755//	10105	87620		
772	71704	56042	29315	754//	12305	87617		
586	71401	45052	29912	754//	11307	87615		
590	31404	37041	30212	35400	11207	83616		
497	02702	48051	30312	00900	10210			
502	11517	65011	25913	10930	11101	81362		
628	11503	50051	28511	15400	10305	81710		
715	11507	67011	28012	16400	11306	81710		
703	21504	66021	26112	12530	10304	81820		
827	70808	61021	27013	763//	11500	87708		
817	71317	57021	25912	761//	11500	82702	87703	
804	11414	56021	24513	16302	12301	81707		
809	71011	34101	26012	762//	12301	83705	86707	
894	71311	58052	27412	762//	11301	82705	85707	87710
534	01403	30111	28709	00900	09302			
559	71705	58052	29313	755//	12304	87624		
462	61604	59012	29412	654//	10207	86619		
354	72206	57052	28813	754//	11209	87615		
414	11303	57041	27912	10940	11208	81360		
360	71906	59041	28313	755//	10313	87620		
396	82410	40051	28913	854//	10314	88617		
257	71807	62041	26813	756//	11210	83630	87643	
262	62311	61021	25514	656//	09309	86635		
222	82411	65026	25214	854//	10203	81618	88627	
302	71813	62022	26113	754//	12306	83616	87620	
334	11706	56041	27913	15500	10207	81625		
318	52008	60031	26912	35632	10204	83630		
204	71913	58052	25413	753//	12307	81709	87624	
131	72126	62022	23513	3547/	12002	81710	83625	87460
162	82019	35616	24511	853//	10103	86708	88618	
135	72015	67022	23413	7557/	11206	82622	87640	
140	72409	62052	23013	754//	11305	81618	87630	
171	72313	62022	22013	55502	10208	85624	84075	
091	72008	64042	20411	35412	10213	81712	83650	86070
005	82326	50022	13911	854//	10218	86711	88627	
075	72416	75022	17514	2567/	07108	82640	85360	87362
010	72530	58032	14213	2557/	11216	82625	87358	
049	72322	70022	16212	755//	10225	87625		
026	72120	65051	16813	755//	11114	82620	87635	
022	72020	64022	17313	754//	11208	81618	87631	
100	71619	60052	19813	756//	11207	87643		
917	71908	65022	22913	754//	10209	81618	87620	
980	71717	70022	20413	685/2	10206	82522	85630	85070
976	21615	62101	17314	15402	11801	81718		
965	61707	60102	21913	35602	10301	83632	85070	
969	41903	58101	23613	25502	09206	82628	83070	
962	51517	65012	20814	35532	11501	83625		
952	71311	57102	22614	754//	12000	83718	87628	
953	51417	65022	19714	58400	11302	84818		

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00160	035	if	+
862	00170	073	+	+
797	00170	056	+	+
776	00150	010	ifF	+
775	00160	015	+	+
772	00170	014	+	+
586	00130	001	+	+
590	00140	008	+	F
497		039		
502	00141	034	+	+
628	00160	003	+	+
715	00150	021	+	+
703	00160	075		
827	00151	028	+	+
817	00161	062	+	+
804	00150	032	+	+
809	00160	067	+	+
894	97130	001	FFid$_o$ff	+
534	00140	012	+	if
559	00150	000	+	+
462	00130	013	+	+
354	00141	012	f	+
414	00161	049	+	+
360	00160	059	+	+
396			+	+
257	00151	039	+	+
262	00160	053	+	+
222	97141	004	r$_o$	+
302	00141	000	+	+
334	00151	050	+	+
318	00140	023	+	+
204	97141	000	r$_o$	+
131	00141			
162	97121	000	r$_o$ir$_o$	r$_o$r$_o$
135	00141	000	+	+
140	00141	000	+	+
171	00141	000	+	+
091	00151	017	+	+
005	92121	000	+	id$_o$
075	00141	000	+	+
010	97131			
049	00130	000	+	+
026	97131	000	r$_o$	+
022	00131	000	+	+
100	00131	000	+	+
917	00141	001	+	+
980	0015	004		
976	0015	001		
965	0015	004		
969	0016	018		
962	9716	001		
952	0016	006		
953	0015	001		

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

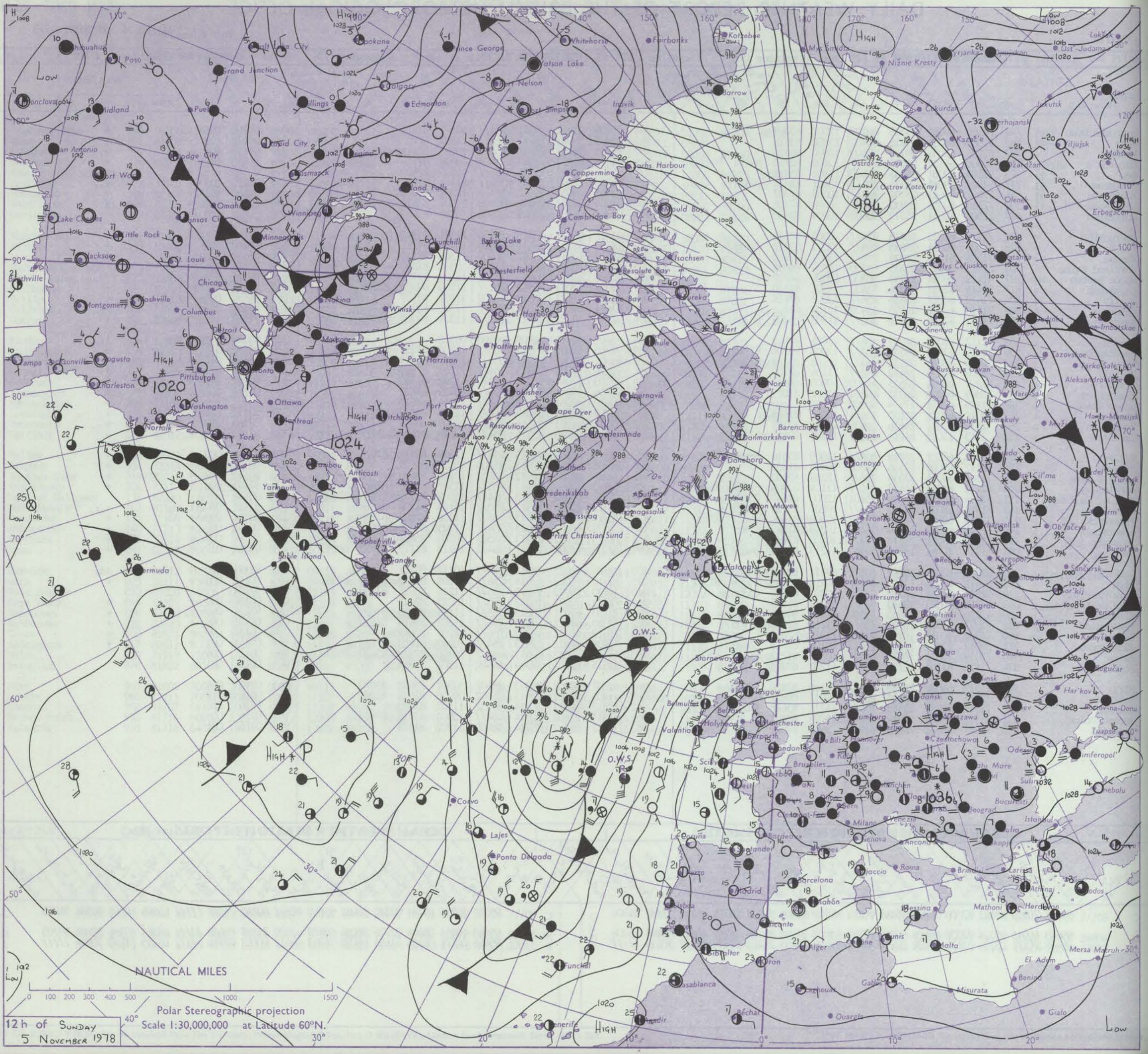
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	05121	82404	98022	05107	856//	00720	88636	/////	05502	10962	3////	31806
	99643	10015	05124	82238	94608	92809	872//	41655	87705	88708	0//09	10823	30808	15808
	99468	70171	05124	61638	97032	07016	48406	/////	83813	86073	0//14	11607	30814	/////

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	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	05181	82212	98022	95908	885//	00742	/////	/////	05006	10908	30504	31805
	99643	10014	05184	22728	98026	03507	15530	71359	81620	/////	0//04	10796	30808	99/03
	99466	70171	05184	71634	96022	05317	764//	00607	87710	/////	0//15	11620	30814	/////

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

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of
5 NOVEMBER 1978

00h of
6 NOVEMBER 1978

06h of
6 NOVEMBER 1978

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

Issued at midday MONDAY 6 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours the European anticyclone has continued to dominate the weather over the British Isles while frontal troughs moving around its periphery have affected some northern and western parts.

During the next 24 hours the anticyclone is expected to be maintained but the ridge into Britain is expected to weaken slightly bringing a more southerly airflow to all areas.

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

Code FM 11.V

OBSERVATIONS at 00h. 6 November 1978

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	71211	62022	28611	754//	09707	87612		
Hurn	862	61106	58031	28311	654//	09705	86615		
Manston	797	81504	22101	30310	861//	10805	85702	88703	
Gatwick	776	81208	25041	29711	862//	10805	83705	88708	
Kew									
Heathrow	772	71404	48051	29312	764//	11805	87710		
Honington	586	81503	32051	29812	864//	10804	88711		
Wattisham	590	81706	20284	30311	854//	10804	88612		
Gorleston	497	00000	46050	30511	00900	11704			
Aberporth	502	01410	60020	25411	00900	10001			
Filton	628	71310	58051	28411	754//	09706	87614		
Rhoose	715	71312	64011	27512	754//	09805	87611		
Hartland Point	703	01210	70010	25311	00900	10706			
Mount Batten	827	71210	62022	25913	754//	10607	87618		
St.Mawgan	817	71319	65031	25013	763//	09606	85708	87710	
Scilly	804	31415	56030	23712	35400	12803	83614		
Culdrose	809	81313	50051	24812	852//	09808	85705	88620	
Guernsey	894	11212	59051	26311	16300	09808	81708		
Elmdon	534	71605	40284	28809	764//	08803	87710		
Cardington	559	81705	20052	29312	854//	10804	88615		
Wittering	462	01996	25104	29110	00900	09706			
Watnall	354	02004	20101	28809	00900	09804			
Shawbury	414	81204	28044	27711	864//	10503	88710		
Finningley	360	01605	03461	28106	00900	06803			
Spurn Point	396	01710	60021	29011	00900	10704			
Leeming	257	01408	35101	27308	00900	07802			
Tynemouth	262	02305	56051	26111	00900	09804			
Carlisle	222	11606	68011	25711	15500	09400	81625		
Valley	302	01614	62021	25512	00900	10502			
Ringway	334	01710	25040	27711	00900	10705			
Squires Gate	318	01311	17101	26610	00900	10803			
Ronaldsway	204	11506	59101	25211	15400	10604	81712		
Mull of Galloway	131	82125	60032	23413	855//	12808	88625		
Eskdalemuir	162	81909	57056	25312	854//	11201	85711	88618	
Prestwick	135	72112	60021	24013	754//	11203	83614	87618	
Abbotsinch	140	72111	62052	23712	754//	10001	83715	85618	87623
Leuchars	171	72505	62022	23412	755//	09201	87622		
Dyce	091	11703	56041	21908	10932	07103	81362		
Lerwick	005	72319	60052	17611	755//	10113	83625	87650	
Wick	075	72115	70022	19111	756//	09002	87642		
Sule Skerry	010	82016	66022	17712	855//	10113	88625		
Cape Wrath	049	41820	74021	15813	42500	10005	84825		
Stornoway	026	52118	68051	17313	555//	11302	85622		
Benbecula	022	21917	65011	17812	25600	10204	82630		
Tiree	100	21618	59051	19612	25600	11804	82640		
Aldergrove	917	21907	58041	23110	15401	09801	81615		
Malin	980	31917	72011	20212	25602	09501	82638		
Belmullet	976	11310	62100	17211	15600	09000	81640		
Birr	965	21507	66011	21712	25600	10803	82633		
Dublin	969	21705	75031	23412	25500	10502	82622		
Shannon	962	81614	70022	20514	855//	10703	88623		
Roches Point	952	81616	58102	22113	864//	11802	84713	88717	
Valentia	953	71418	65022	18914	724//	11803	87818		

OBSERVATIONS at 06h. 6 November 1978

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	81317	62022	27310	863//	08606	88708		
Hurn	862	81209	58022	26911	854//	09704	86710	88616	
Manston	797	81307	28102	29509	861//	09703	83702	88703	
Gatwick	776	81007	50042	28510	864//	08707	88712		
Kew	775	81103	50042	28410	864//	08706	88711		
Heathrow	772	71205	57052	28110	764//	09706	87713		
Honington	586	81311	40052	29210	862//	09602	88705		
Wattisham	590	81312	35052	29610	863//	08703	88706		
Gorleston	497	81614	60021	29812	8092/	10802	88460		
Aberporth	502	61412	60031	24411	654//	09500	81710	86617	
Filton	628	71308	57052	27010	754//	08604	82710	87615	
Rhoose	715	81110	63022	25912	854//	09706	88614		
Hartland Point	703	21208	70020	23710	21500	08810	82825		
Mount Batten	827	71108	65031	24212	754//	09707	87614		
St.Mawgan	817	51315	70021	23112	55400	08705	85617		
Scilly	804	21513	56011	21712	25500	10812	82620		
Culdrose	809	31212	58051	23311	36400	09608	83710		
Guernsey	894	81412	50051	25009	862//	08705	83704	86706	87708
Elmdon	534	81505	57042	27610	863//	08605	88707		
Cardington	559	81307	35051	28409	864//	09604	88710		
Wittering	462	81606	30104	28410	862//	09604	83704	88705	
Watnall	354	81705	38101	28109	863//	09604	88707		
Shawbury	414	81203	45042	26711	864//	09606	88712		
Finningley	360	81807	25104	27110	862//	09608	88705		
Spurn Point	396	81611	30101	28709	863//	09001	88708		
Leeming	257	91508	01454	27108	9////	08400	89///		
Tynemouth	262	02014	04444	25609	00900	09400			
Carlisle	222	01606	58040	25111	00900	09504			
Valley	302	01914	62020	24711	00900	09701			
Ringway	334	11603	25101	27110	16400	09707	81710		
Squires Gate	318	71412	40041	26211	764//	09500	87711		
Ronaldsway	204	71708	59101	24512	763//	11603	81707	85709	87712
Mull of Galloway	131	72020	66031	23512	755//	11003	87625		
Eskdalemuir	162	81803	12101	25707	860//	07500	88701		
Prestwick	135	81907	75031	23713	854//	10303	84711	88613	
Abbotsinch	140	71908	70012	23413	754//	10400	81712	83716	86620
Leuchars	171	12510	65011	23611	15400	09502	81618		
Dyce	091	02513	60050	21610	00900	08801			
Lerwick	005	62318	65022	19412	657//	08208	86656		
Wick	075	21813	65011	19711	00902	09301	82070		
Sule Skerry	010	01712	58051	18111	00900	09204			
Cape Wrath	049	22310	80020	18111	25500	09209	82625		
Stornoway	026	72028	65051	17012	754//	10804	83618	87628	
Benbecula	022	11820	70030	17111	15600	09500	81630		
Tiree	100	41422	58050	18812	46400	11803	84712		
Aldergrove	917	71705	50101	22311	763//	10501	87709		
Malin	980	11823	75010	19011	15600	08304	81638		
Belmullet	976	01623	70010	15012	00900	09610			
Birr	965	21612	66020	19711	00902	09612	82070		
Dublin	969	71713	70011	22213	764//	09803	87717		
Shannon	962	81412	70031	18713	854//	10807	84716	88626	
Roches Point	952	81415	56102	20513	864//	11703	84711	88717	
Valentia	953	51420	65012	16513	52400	10611	85818		

OBSERVATIONS during NIGHT

Station	iii	RRT T_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00100	08 +		+
Hurn	862	00100	06 +		+
Manston	797	00090	07 +		+
Gatwick	776	00100	06 +		+
Kew	775	00070	00 +		+
Heathrow	772	00100	06 +		+
Honington	586	00100	07 +		+
Wattisham	590	00090	09 Ff		+
Gorleston	497				
Aberporth	502	00101	07 +		+
Filton	628	00090	04 +		+
Rhoose	715	00110	09 +		+
Hartland Point	703	00100	05		
Mount Batten	827	00111	10 +		+
St.Mawgan	817	00111	09 +		+
Scilly	804	00110	09 +		+
Culdrose	809	00100	09 +		+
Guernsey	894	00090	08 +		+
Elmdon	534	00050	02 if		+
Cardington	559	00070	01 +		+
Wittering	462	00070	03 f		ff
Watnall	354	00071	00 +		+
Shawbury	414	00081	02 if		+
Finningley	360	00041	01 ffFF		Ff
Spurn Point	396		+		+
Leeming	257	00071	05 f		FFf
Tynemouth	262	00080	07 +		ffFF
Carlisle	222	00091	05 +		+
Valley	302	00101	07 +		+
Ringway	334	00091	06 +		+
Squires Gate	318	91080	06 +		+
Ronaldsway	204	00101	04 +		+
Mull of Galloway	131	00121			
Eskdalemuir	162	00071	02 +		ff
Prestwick	135	00111	09 +		+
Abbotsinch	140	00121	09 +		+
Leuchars	171	00091	04 +		+
Dyce	091	00071	51 +		+
Lerwick	005	97091	06 + id.		+
Wick	075	00101	06 +		+
Sule Skerry	010	00101	09		
Cape Wrath	049	00101	07 +		+
Stornoway	026	00111	10 +		+
Benbecula	022	00111	09 +		+
Tiree	100	00111	10 +		+
Aldergrove	917	00081	07 +		+
Malin	980	0011	08		
Belmullet	976	9710	08		
Birr	965	9710	06		
Dublin	969	9710	02		
Shannon	962	9712	10		
Roches Point	952	0012	12		
Valentia	953	0013	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	06001	82914	97258	93507	834//	00500	/////	/////	05404	10954	3//07	///08
CLMR	99643	10007	06004	82724	98021	11704	855//	61239	88620	/////	0//01	10779	30807	/////
CLMR	99471	70169	06004	71735	97022	06216	4553/	00802	84620	86361	0//14	11587	30814	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	06061	22914	97258	97505	23400	00218	/////	/////	05701	10928	3//07	///11
CLMR	99645	10006	06064	82214	97032	14905	855//	61212	88620	/////	0//00	10750	30403	27806
CLMR	99469	70168	06064	61728	97031	05816	65502	00602	86620	/////	0//14	11584	30814	/////

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. 42719

Date of Issue TUESDAY 7 NOVEMBER 1978

Code FM 11.V

OBSERVATIONS at 12h. 6 November 1978

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	81314	61032	25811	854//	08813	82711	86614	88620
Hurn	862	81310	58052	25812	854//	08711	83712	88615	
Manston	797	81810	50052	29009	862//	07705	88705		
Gatwick	776	81208	48102	27809	862//	08806	88704		
Kew	775	71507	58052	27512	754//	08809	87615		
Heathrow	772	71209	59022	27212	754//	09807	87617		
Honington	586	71309	56052	28411	763//	09808	87709		
Wattisham	590	71513	58052	28911	763//	09806	87707		
Gorleston	497	81814	58022	29211	856//	09707	88630		
Aberporth	502	71514	59052	24111	754//	08003	87615		
Filton	628	71415	60022	25711	754//	08713	87618		
Rhoose	715	81111	60022	24611	854//	08811	85616	88620	
Hartland Point	703	61612	66031	22612	62500	08807	86825		
Mount Batten	827	71213	60052	23212	754//	09810	84710	87615	
St.Mawgan	817	71318	60022	21812	754//	09809	83710	87613	
Scilly	804	71615	58011	20812	754//	10708	87615		
Culdrose	809	71113	57051	21912	783//	10709	81708	83710	85816
Guernsey	894	71415	58052	23810	763//	08709	84707	86709	
Elmdon	534	71511	61042	26911	754//	07712	87614		
Cardington	559	71410	58052	27312	754//	09811	87618		
Wittering	462	71409	57052	27710	753//	08810	85709	87611	
Watnall	354	71508	40052	27610	764//	08709	87710		
Shawbury	414	71507	59042	25811	754//	08812	87613		
Finningley	360	71509	45042	27011	764//	08809	87710		
Spurn Point	396	71613	40052	28511	764//	09805	87710		
Leeming	257	81512	20044	26810	863//	09806	88707		
Tynemouth	262	71912	13284	25610	755//	09804	87620		
Carlisle	222	01605	61020	24315	00900	09807			
Valley	302	11816	63010	23513	11400	09810	81818		
Ringway	334	41511	45041	26411	46400	08709	84712		
Squires Gate	318	71515	56042	25511	764//	08706	87712		
Ronaldsway	204	11613	62051	23713	11400	09806	81817		
Mull of Galloway	131	52020	74012	23213	58500	10505	83820		
Eskdalemuir	162	71906	15104	24610	762//	09808	85705	86710	
Prestwick	135	71608	60042	23014	784//	09706	81816	87620	
Abbotsinch	140	61710	60042	23014	654//	09809	84618	83624	
Leuchars	171	12313	59051	23714	15400	09807	81618		
Dyce	091	11913	62050	22713	15500	10803	81620		
Lerwick	005	61913	50052	19710	00902	09704	86072		
Wick	075	22110	75011	19614	10942	09502	81362		
Sule Skerry	010	21809	74021	18312	20980	10705	82358		
Cape Wrath	049	42303	82020	17814	11501	08803	81820		
Stornoway	026	42025	75011	16713	35501	09607	83620		
Benbecula	022	41826	62021	16213	41400	10709	81711	84813	
Tiree	100	61624	61021	18513	654//	10606	81712	86615	
Aldergrove	917	61816	62042	20712	654//	08813	86616		
Malin	980	11828	70020	17413	12500	08614	81820		
Belmullet	976	11520	68020	14514	11602	10710	81830		
Birr	965	31611	62011	19114	38500	09709	82822		
Dublin	969	31619	68011	20313	35500	07818	83625		
Shannon	962	71516	70022	17313	755//	10712	87626		
Roches Point	952	81316	62606	18913	864//	10814	86714	88718	
Valentia	953	61617	68032	15414	62500	10712	86822		

OBSERVATIONS at 18h. 6 November 1978

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	81209	50052	24610	863//	08805	88708		
Hurn	862	81308	57052	24312	854//	10503	88612		
Manston	797	61608	50052	27409	664//	07500	86710		
Gatwick	776	71206	50042	26211	754//	08603	87612		
Kew	775	71506	56052	25911	754//	07605	87614		
Heathrow	772	81305	56052	25611	854//	09604	81711	88613	
Honington	586	81512	48052	27009	864//	06502	88710		
Wattisham	590	81510	45052	27409	863//	07500	88709		
Gorleston	497	81516	60022	27711	855//	08803	88625		
Aberporth	502	11415	62051	20709	15400	08806	81615		
Filton	628	71312	58052	23911	754//	08703	87619		
Rhoose	715	71112	58052	22811	754//	09504	81612	87616	
Hartland Point	703	61205	64031	20910	625//	08503	86820		
Mount Batten	827	71108	57052	21412	754//	10602	83711	87618	
St.Mawgan	817	81318	50052	20012	863//	10802	83707	88710	
Scilly	804	81617	50022	18912	854//	11605	88615		
Culdrose	809	71311	40052	20411	753//	09000	81709	84710	87614
Guernsey	894	01515	56051	22312	00900	09603			
Elmdon	534	71408	58042	24810	754//	06603	87618		
Cardington	559	81505	57052	25710	854//	07702	88617		
Wittering	462	81611	50052	26109	854//	06500	88611		
Watnall	354	71507	40052	25310	754//	08502	87618		
Shawbury	414	81507	50042	23311	855//	06607	88620		
Finningley	360	71408	50042	24911	754//	08606	87616		
Spurn Point	396	81517	56031	26311	864//	09504	88715		
Leeming	257	81710	30041	24810	854//	07501	88613		
Tynemouth	262	81815	39054	24010	856//	08603	88630		
Carlisle	222	01803	50040	22109	00900	09608			
Valley	302	71410	65021	21512	755//	07605	87625		
Ringway	334	71405	42041	24211	755//	07607	84620	87625	
Squires Gate	318	71212	50042	23011	754//	08710	83711	87625	
Ronaldsway	204	61507	57051	21210	684//	08609	82816	85630	
Mull of Galloway	131	71814	70032	20911	755//	09708	87625		
Eskdalemuir	162	01202	03461	22705	00900	05707			
Prestwick	135	71608	45042	21511	754//	07502	81714	83618	87624
Abbotsinch	140	62008	56041	21711	654//	07500	83715	85620	
Leuchars	171	00602	00460	21407	00900	07711			
Dyce	091	11811	40050	21209	16200	08503	81705		
Lerwick	005	11910	58101	18409	16300	09604	81706		
Wick	075	11720	75020	17412	00901	09709	81075		
Sule Skerry	010	12008	74020	16511	15500	10504	81625		
Cape Wrath	049	22302	75050	16511	21500	10202	82820		
Stornoway	026	11922	68051	15712	15400	09302	81618		
Benbecula	022	31725	50051	14812	35400	09702	83615		
Tiree	100	71525	58051	16612	754//	11703	83712	87618	
Aldergrove	917	71813	58045	18912	754//	08709	84615	87620	
Malin	980	21619	70020	16312	21500	07113	82821		
Belmullet	976	21527	68030	11913	15602	09709	81640		
Birr	965	71411	62021	16912	764//	08801	85716	86632	
Dublin	969	71713	65216	19212	754//	08506	83717	87627	
Shannon	962	31318	65101	14812	25602	09717	82630		
Roches Point	952	81314	50106	16813	864//	11704	86710	88627	
Valentia	953	71320	65032	13014	725//	11505	87822		

OBSERVATIONS during DAY

Station	iii	RRT×T×E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00110	000	+	+
Hurn	862	00120	001	+	+
Manston	797	00100	001	+	+
Gatwick	776	00110	000	+	+
Kew	775	00120	001	+	+
Heathrow	772	00130	002	+	+
Honington	586	00120	002	+	+
Wattisham	590	00110	000	+	+
Gorleston	497		000		
Aberporth	502	00121	005	+	+
Filton	628	00120	000	+	+
Rhoose	715	00120	001	+	+
Hartland Point	703	00130	046		
Mount Batten	827	00131	024	+	+
St.Mawgan	817	00131	021	+	+
Scilly	804	00130	000	+	+
Culdrose	809	00130	016	+	+
Guernsey	894	00130	028	+	+
Elmdon	534	00120	001	+	+
Cardington	559	00130	006	+	+
Wittering	462	00110	002	+	+
Watnall	354	00111	001	+	+
Shawbury	414	00121	001	+	+
Finningley	360	00110	013	+	+
Spurn Point	396			+	+
Leeming	257	00111	004	ff	+
Tynemouth	262	00110	030	FFff	+
Carlisle	222	00151	074	+	+
Valley	302	00141	071	+	+
Ringway	334	00121	023	+	+
Squires Gate	318	00110	002	+	+
Ronaldsway	204	00131	041	+	+
Mull of Galloway	131	00131			
Eskdalemuir	162	00121	027	ff	ff
Prestwick	135	00141	022	+	+
Abbotsinch	140	00141	034	+	+
Leuchars	171	00141	058	+	ifFFf
Dyce	091	00141	070	+	+
Lerwick	005	00111	054	+	+
Wick	075	00141	071	+	+
Sule Skerry	010	00131			
Cape Wrath	049	00141	069	+	+
Stornoway	026	00131	031	+	+
Benbecula	022	00131	028	+	+
Tiree	100	00131	017	+	+
Aldergrove	917	97131	010	+	d_o
Malin	980	0014	072		
Belmullet	976	0015	068		
Birr	965	0015	031		
Dublin	969	9714	029		
Shannon	962	9713	001		
Roches Point	952	9713	000		
Valentia	953	0015	004		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

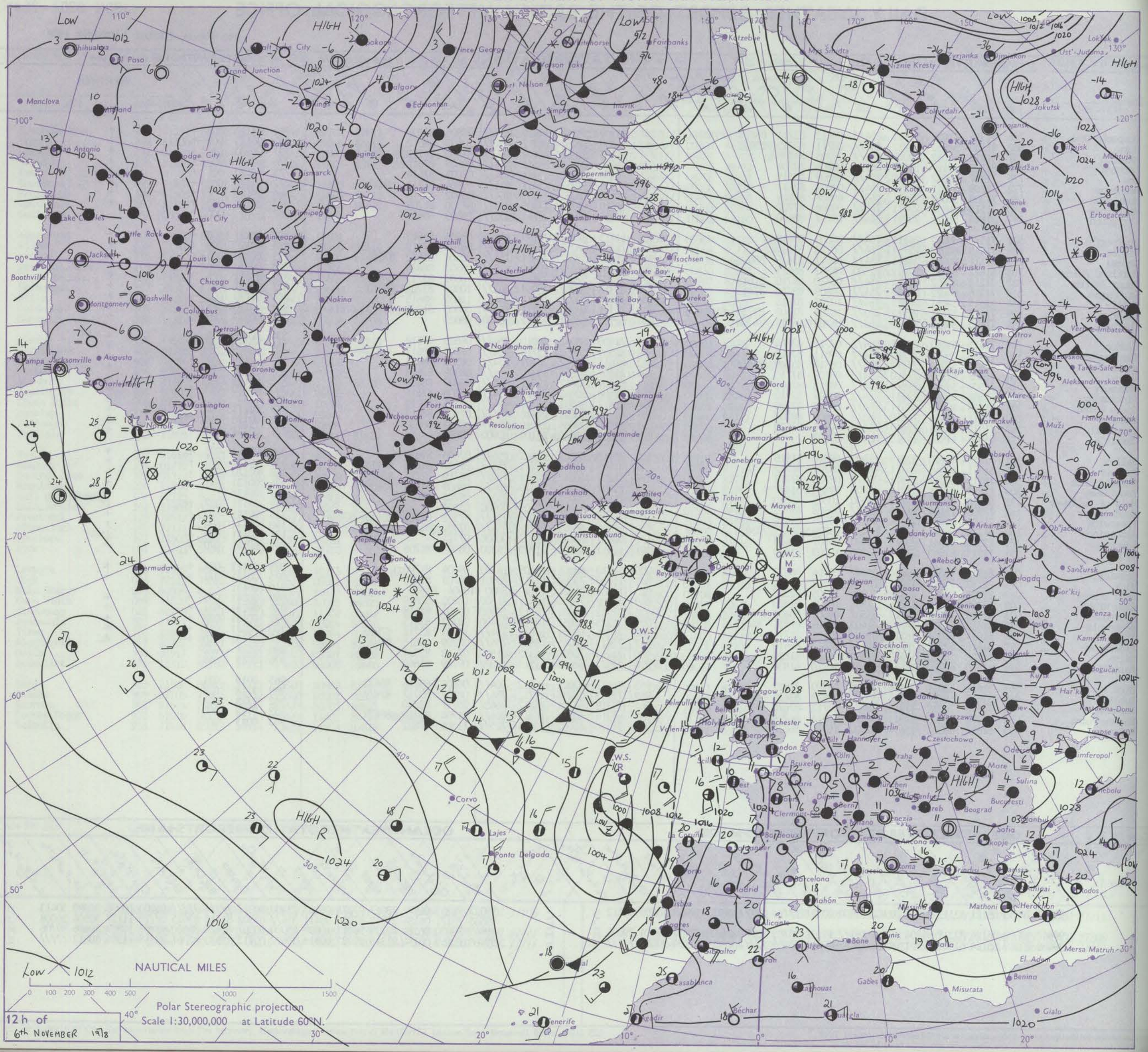
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	06121	63113	97278	02302	69400	00221	/////	/////	06352	10938	30708	30212
	99647	10000	06124	82219	94204	10408	861//	11521	86703	88707	0//08	10797	30504	29006
	99468	70169	06124	61523	97031	04316	55832	00811	85656	/////	0//15	11594	30812	/////

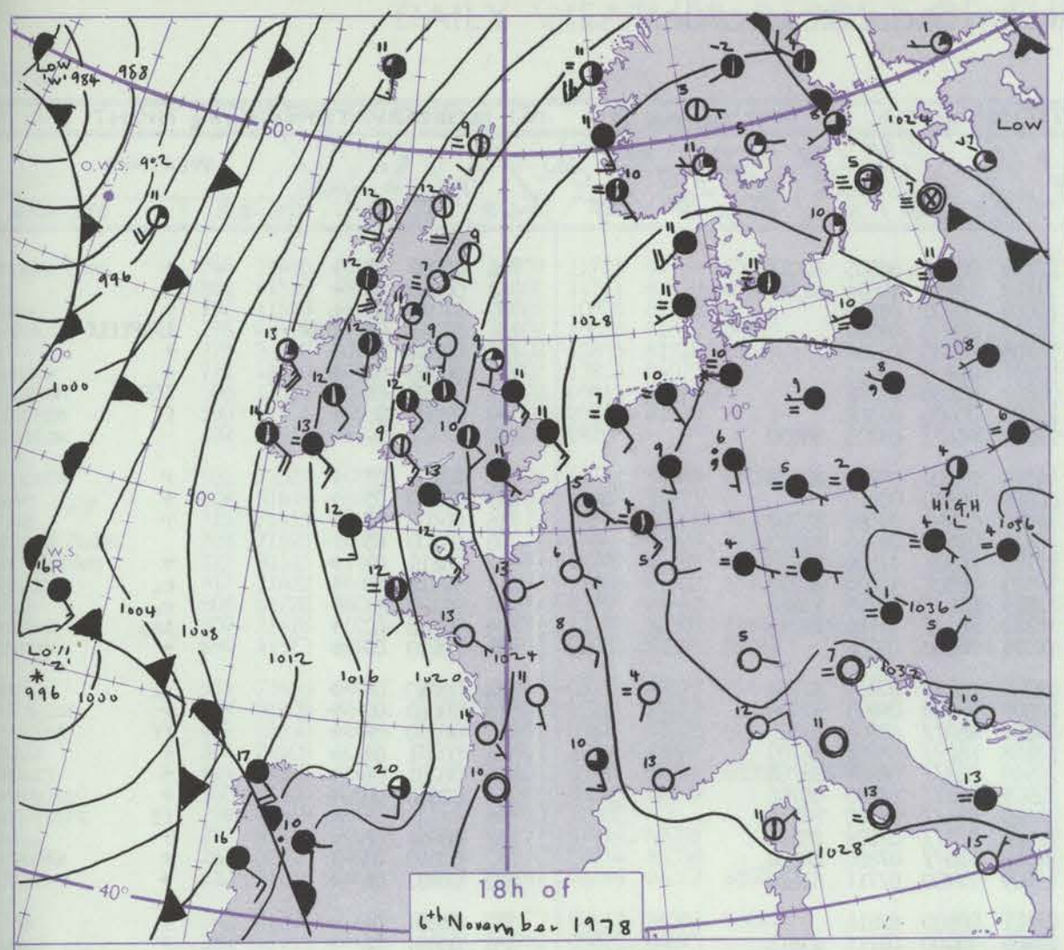
OCEAN WEATHER STATION REPORTS at 18h.

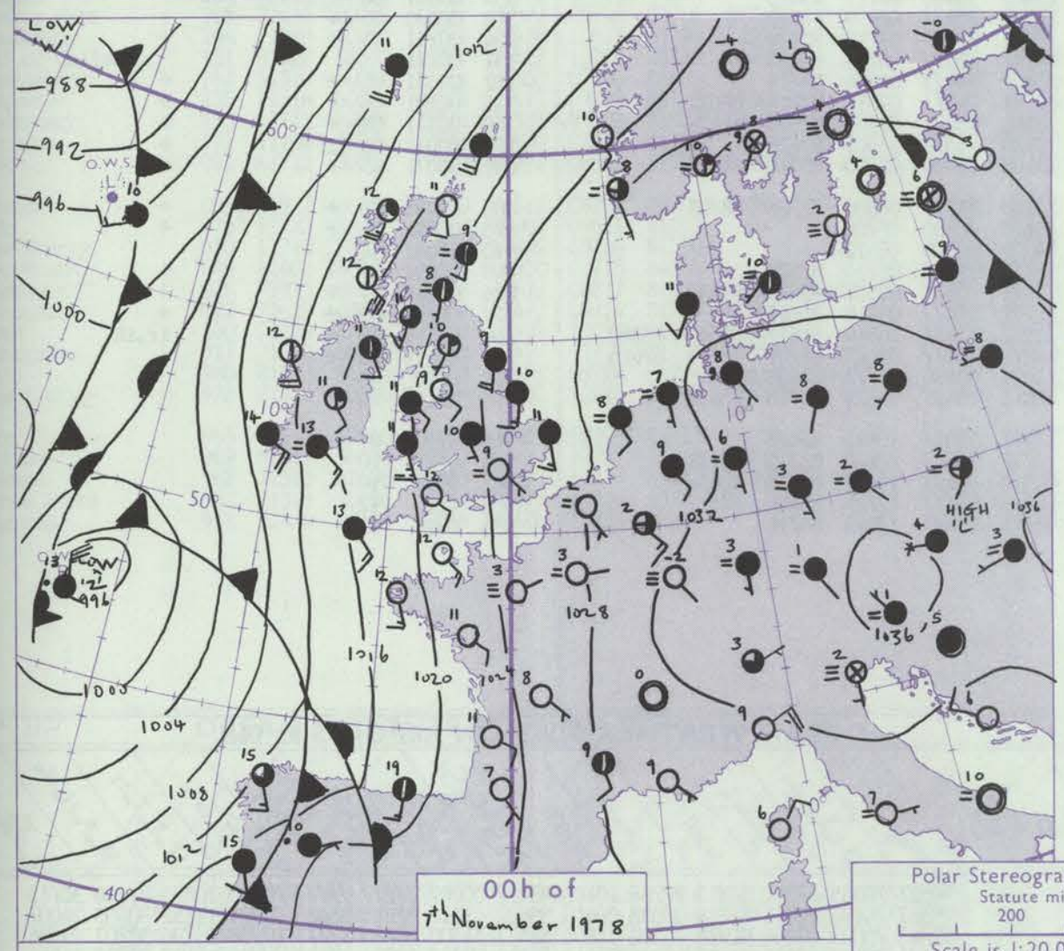
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	06181	73017	97278	06203	73400	00327	/////	/////	06000	10908	30909	30413
	99565	70171	06184	31918	97016	96411	354//	62302	81715	83625	0//10	11127	30504	24008
	99649	70000	06184	42128	96011	10808	45500	00307	82620	84630	0//08	10809	30606	99/06
	99469	70169	06184	81315	97032	00816	3567/	00713	83633	87361	0//15	11594	30812	/////

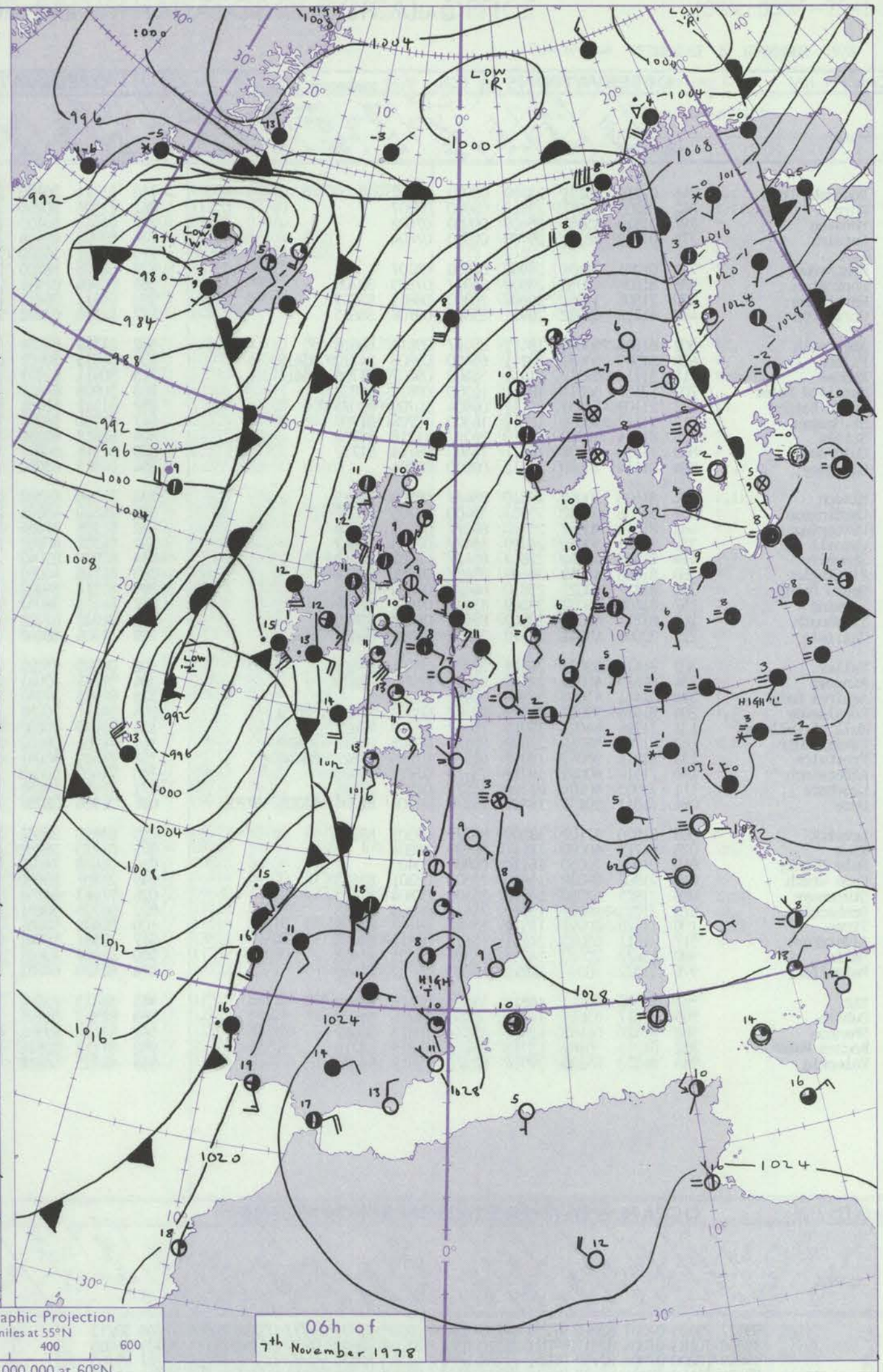
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 TUESDAY 7 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

The anticyclone over Central Europe has remained almost stationary and a complex depression to the southwest of Iceland has moved slowly northeast. An associated cold frontsouthwards from Iceland to about 200 miles west of Portugal has moved slowly east in the north but more quickly east south of a developing wave depression about 300 miles west of northwest Spain. This depression has moved north during the past 24 hours and is now centred about 300 miles southwest of Ireland.
During the next 24 hours this depression is expected to continue northwards to the west of Scotland and its associated cold frontal trough will extend southwards across western parts of the British Isles.

Code FM 11.V **OBSERVATIONS at 00h.** 7 November 1978

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	01210	35101	23709	00900	08807			
Hurn	862	01203	64011	23312	00900	09807			
Manston	797	01510	45051	26809	00900	07602			
Gatwick	776	01602	28101	25708	00900	07804			
Kew									
Heathrow	772	01204	28101	24909	00900	08707			
Honington	586	81608	45052	26509	863//	07803	88709		
Wattisham	590	21508	35051	26609	26300	08805	82709		
Gorleston	497	81715	62022	26911	855//	09708	88625		
Aberporth	502	81624	60051	18411	854//	09811	88618		
Filton	628	61509	50052	23111	65400	09806	84712	85618	
Rhoose	715	51114	57052	21411	55300	09807	81708	85617	
Hartland Point	703	12107	64011	18711	12500	09813	81822		
Mount Batten	827	21109	57051	20111	00904	10707	82075		
St.Mawgan	817	11117	50051	18512	16300	10708	81708		
Scilly	804	81514	56022	16513	863//	11718	88708		
Culdrose	809	11210	56051	18411	16400	09714	81710		
Guernsey	894	01414	56050	21512	00900	09806			
Elmdon	534	81605	50042	24310	854//	08803	88615		
Cardington	559	51506	57052	25007	55400	07705	85617		
Wittering	462	81810	50052	25510	863//	07503	88709		
Watnall	354	81706	50052	24909	854//	07803	88612		
Shawbury	414	81408	50042	22811	854//	08803	88618		
Finningley	360	81608	45042	24609	854//	07801	88614		
Spurn Point	396	81817	68022	25810	864//	07804	88716		
Leeming	257	81609	45042	23509	854//	07604	88618		
Tynemouth	262	81818	48052	23010	855//	06707	88620		
Carlisle	222	32006	45041	21610	35500	06602	83627		
Valley	302	81412	62022	20311	855//	08706	88620		
Ringway	334	81610	40042	23710	855//	07703	88620		
Squires Gate	318	01411	45041	22509	00900	07703			
Ronaldsway	204	81614	59052	20312	854//	08607	82619	88623	
Mull of Galloway	131	71919	64022	19011	755//	08709	87625		
Eskdalemuir	162	81702	56054	21807	854//	06805	82712	88620	
Prestwick	135	61916	58042	19311	655//	07710	83622	85640	
Abbotsinch	140	71510	60042	19711	755//	07611	87628		
Leuchars	171	71903	40104	21108	755//	07802	87626		
Dyce	091	71811	20101	19909	762//	09708	81704	83706	87708
Lerwick	005	81920	57101	18609	862//	09305	88704		
Wick	075	01712	60050	17111	00900	08804			
Sule Skerry	010	01802	70050	16110	00900	10400			
Cape Wrath	049	21902	84030	15910	25500	08501	82625		
Stornoway	026	21925	62050	14212	25500	07804	81623		
Benbecula	022	71825	56051	13512	754//	08805	87618		
Tiree	100	11426	60011	15312	15500	09507	81625		
Aldergrove	917	71511	65022	17211	755//	08812	87623		
Malin	980	11627	70010	14711	15500	07505	81628		
Belmullet	976	11522	70020	10212	15600	09712	81640		
Birr	965	31512	66011	14811	35500	07616	83625		
Dublin	969	31617	65011	16912	35500	10716	83620		
Shannon	962	81420	60101	12812	855//	10813	88622		
Roches Point	952	81316	50102	13913	864//	11819	88710		
Valentia	953	81220	65258	09914	825//	12819	88820		

OBSERVATIONS at 06h. 7 November 1978

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	21211	20100	22108	00901	08805	82075		
862	21406	50050	21712	10931	10604	81360		
797	01410	56100	25609	00900	08506			
776	00303	02424	24405	00900	05504			
775	01101	15120	24105	00900	05704			
772	01103	18100	23707	00900	07605			
586	00906	07441	25007	00900	07708			
590	01511	06414	25507	00900	07508			
497	81510	60022	26211	856//	09705	88630		
502	21529	62051	14511	25400	09722	82618		
628	01515	50101	20809	00900	08610			
715	50811	62031	19310	56300	09508	85709		
703	20908	64020	16312	22500	09710	82822		
827	31212	60051	17713	00901	11609	83075		
817	81220	56051	15513	00907	10604	88270		
804	81618	60216	12814	856//	12718	88646		
809	81315	50051	15113	864//	11716	88714		
894	01515	45050	19711	00900	09708			
534	71310	15102	22308	762//	07609	87704		
559	21510	45101	23609	26300	08805	82708		
462	81508	07464	24107	860//	07505	88700		
354	81307	40102	23108	862//	08608	88703		
414	80902	23042	20910	863//	08504	88706		
360	81710	40042	22909	863//	08710	88708		
396	81517	58022	24510	864//	08710	88716		
257	81411	38042	22409	854//	07608	88616		
262	81822	61022	21610	855//	07810	88628		
222	11306	50040	19509	15500	07711	81620		
302	01309	65021	17111	00900	07614			
334	31304	40041	21309	35400	07715	83615		
318	81315	57041	20310	854//	08609	88619		
204	31217	50051	17511	35300	09715	82709		
131	81520	60032	17111	855//	09710	88625		
162	71706	56052	20407	754//	06606	87619		
135	71513	58041	17711	754//	07610	82616	86622	
140	71408	60042	18311	755//	08506	82620	87628	
171	71610	57051	19909	755//	06504	87625		
091	31906	28051	19408	36400	07500	83710		
005	81820	50052	17109	863//	08808	82706	88708	
075	01713	58050	15610	00900	08709			
010	01408	74020	14209	00900	09612			
049	21807	80020	13710	25500	06714	82625		
026	71613	64051	12811	755//	09505	82620	87630	
022	51725	50051	10712	554//	09816	85617		
100	81426	58041	12912	7547/	10614	84617	85643	88360
917	71511	50042	14811	753//	09618	81709	86712	87615
980	41527	70031	11612	35630	08713	83630		
976	81420	64031	06012	854//	09625	83718	88638	
965	51413	66021	11112	555//	10615	85628		
969	81518	58101	13712	36407	10620	83715	88272	
962	81420	62106	07913	864//	10629	85718	88656	
952	81122	50616	09213	873//	12725	85708	88712	
953	81325	56618	03115	864//	13843	88716		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T_gT_g	WEATHER 21h.—03h.	WEATHER 03h.—09h.
746	00080	05	+	+
862	00090	06	+	+
797	97070	05	+	+
776	97040	00	ifiF	iFFFfiF
775	00030	54	+	+
772	00060	01	+	+
586	97070	04	+	ffFF
590	97060	05	+	f
497				
502	00101	07	+	+
628	97070	05	+	+
715	00100	07	+	+
703	00100	05		
827	00111	08	+	+
817	97111	09	+	r_o
804	97120	11	+	r_o
809	97080	07	+	ir_o
894	00110	09	+	+
534	00070	06	+	jf
559	00060	02	+	+
462	00070	06	+	ff
354	00071	06	+	+
414	00081	06	+	+
360	00080	08	+	+
396			+	ff
257	00091	08	+	+
262	00090	08	+	+
222	00081	04	+	+
302	00081	04	+	+
334	00091	06	+	+
318	00070	05	+	+
204	00111	05	+	+
131	00111			
162	00051	01	+	+
135	00101	08	+	+
140	00111	08	+	+
171	00071	02	if	+
091	00071	05	+	+
005	00081	06	+	+
075	00091	05	+	+
010	97081	52		
049	00091	06	+	+
026	00111	09	+	+
022	00111	09	+	+
100	01111	10	+	ir_oiR
917	00111	08	+	+
980	0010	08		
976	0011	10		
965	9710	07		
969	0011	10		
962	9712	10		
952	0113	12		
953	0314	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	07001	63014	97278	09105	63400	00309	/////	/////	05751	10904	3//08	30/13
L	99568	70183	07004	82217	97021	96510	855//	62307	88620	/////	0//06	11174	30404	24008
M	99649	10000	07004	82130	96031	11208	855//	61305	88620	/////	0//08	10786	30707	99/05
R	99470	70169	07004	83535	96626	96813	5737/	00619	85706	88460	0//13	11597	30506	16808

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	07061	82813	97258	10106	834//	00207	/////	/////	05400	10875	3//06	30/13
L	99567	70192	07064	72718	97038	00409	58402	61218	82815	85625	0//01	11152	30403	24007
M	99648	70003	07064	81928	95502	11808	854//	51500	88610	/////	0//08	10796	30707	99/04
R	99471	70169	07064	83139	97216	99813	36320	00327	83706	85556	0//09	11593	30605	34814

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. 42720

Date of Issue WEDNESDAY 8 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 7 November 1978

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	51416	59051	20215	10932	11711	81368	85072	
Hurn	862	41514	58051	20115	11401	11711	81810	84075	
Manston	797	11513	56050	24513	00901	10808	81075		
Gatwick	776	41414	57044	22415	11402	10818	81818	84075	
Kew	775	31408	57050	22215	11402	10815	81818	83075	
Heathrow	772	41410	57050	21915	00902	12813	84075		
Honington	586	11310	50054	23613	00902	09811	81075		
Wattisham	590	11414	50054	23913	00902	09810	81070		
Gorleston	497	01614	48021	25012	00900	09708			
Aberporth	502	71527	60051	13214	40972	11712	84360	87075	
Filton	628	51619	59051	18515	00902	11817	85075		
Rhoose	715	71415	57051	17414	2547/	11811	82618	87365	
Hartland Point	703	71623	60051	13914	1157/	11803	81820	87360	
Mount Batten	827	81515	57601	16114	4737/	12707	84709	85360	88462
St.Mawgan	817	71422	56606	13914	6737/	11808	83707	85710	87460
Scilly	804	81728	56032	11015	7567/	13709	87642		
Culdrose	809	71618	40216	13514	4537/	12709	82708	84630	86459
Guernsey	894	41515	58051	18913	20932	09805	82366	83075	
Elmdon	534	71418	58042	19613	00902	09718	87075		
Cardington	559	51409	56051	21914	00902	10814	85075		
Wittering	462	21510	56054	22013	00901	09814	82075		
Watnall	354	21409	50051	20714	00902	10718	82070		
Shawbury	414	61508	40041	18312	26432	09716	82710	83360	85070
Finningley	360	31310	42051	20911	26301	08818	82709		
Spurn Point	396	01519	24054	23012	00900	10807			
Leeming	257	81514	32042	20509	862//	07814	88705		
Tynemouth	262	52012	56052	20111	50930	07714	85358		
Carlisle	222	51614	58041	16913	40941	08718	84362	85072	
Valley	302	71524	70021	13016	60972	08817	86362	86072	
Ringway	334	41713	50041	19013	00902	09816	84075		
Squires Gate	318	71416	30042	17611	763//	09718	83708	87712	
Ronaldsway	204	71319	40051	14112	16438	10817	81710	83360	87273
Mull of Galloway	131	81827	58052	12511	2642/	10729	82710	88460	
Eskdalemuir	162	51510	56051	17411	55600	07706	85635		
Prestwick	135	71514	60021	14412	15471	07819	81712	86362	
Abbotsinch	140	61111	57041	15212	15531	07623	81622	83360	85072
Leuchars	171	11108	56051	17511	10930	07818	81365		
Dyce	091	61712	30051	17510	663//	08812	82709	86711	
Lerwick	005	81921	20052	16310	863//	08705	85706	88710	
Wick	075	11723	56050	13810	00901	07611	81072		
Sule Skerry	010	11713	76050	12211	10940	09716	81358		
Cape Wrath	049	41402	80030	11415	40950	05715	84360		
Stornoway	026	71915	68051	09812	1567/	08817	81640	83358	86462
Benbecula	022	71629	63036	07612	754//	09724	81711	87640	
Tiree	100	71229	57216	09412	45439	10725	82616	85358	
Aldergrove	917	71520	58042	10213	2547/	11727	81714	87358	
Malin	980	81433	56216	06813	6547/	09728	81714	86650	88460
Belmullet	976	71325	60106	01314	76432	12714	84717	85637	
Birr	965	71515	59016	06015	764//	12820	84715	86630	
Dublin	969	81517	56586	09913	864//	11721	86711	88714	
Shannon	962	71520	62106	03215	724//	12724	83712	86820	
Roches Point	952	81318	40106	05514	863//	13716	83708	88712	
Valentia	953	71426	60258	00216	72400	13716	87819		

OBSERVATIONS at 18h. 7 November 1978

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	71313	58052	19712	45572	10302	84620	86359	86075
Hurn	862	71507	57051	19815	7097/	11103	87360		
Manston	797	21514	56050	23512	00902	09501	82070		
Gatwick	776	61511	56041	22012	20938	09204	82362	86275	
Kew	775	61509	56051	21412	10931	09306	81362	86075	
Heathrow	772	61509	50051	20913	00902	11305	86075		
Honington	586	41410	40050	22410	00902	09301	84075		
Wattisham	590	31514	35050	22710	00902	09500	83070		
Gorleston	497	01620	48010	23312	00900	10703			
Aberporth	502	71524	60056	12114	6547/	12804	83715	86620	87359
Filton	628	81713	59052	18413	8097/	10307	84362	88365	
Rhoose	715	81313	56216	17013	6547/	12310	81615	86645	88362
Hartland Point	703	71821	66028	13414	11476	12105	81818	83360	87275
Mount Batten	827	81719	57036	16315	4837/	13311	81709	83620	88462
St.Mawgan	817	71717	57056	14715	7537/	12318	82706	84707	86612
Scilly	804	72018	58606	13113	754//	11325	87615		
Culdrose	809	42021	40056	14114	36301	13313	83708		
Guernsey	894	81616	56611	19514	5577/	12314	85650	88460	
Elmdon	534	71614	60042	18612	00902	09305	87070		
Cardington	559	71611	56052	20512	10976	09304	81365	87275	
Wittering	462	41512	50051	20112	00901	09501	84075		
Watnall	354	81609	40051	18811	00907	09400	88270		
Shawbury	414	71709	58042	16214	60988	09501	84361	85464	87273
Finningley	360	71409	50051	18111	10942	09605	81360	87075	
Spurn Point	396	21422	50020	19912	00901	10708	82075		
Leeming	257	71510	32042	17411	20932	09608	82368	87075	
Tynemouth	262	81815	48052	16511	8097/	09713	88358		
Carlisle	222	71413	62022	14114	35772	08504	83650	83359	86362
Valley	302	71528	63026	11315	1557/	12707	81625	87358	
Ringway	334	81615	56041	16613	50977	09301	85359	88270	
Squires Gate	318	71417	40042	14613	4573/	10605	84656	87362	
Ronaldsway	204	81414	56212	11113	854//	11612	81712	85632	88650
Mull of Galloway	131	81830	57052	09312	2647/	10722	82710	88460	
Eskdalemuir	162	71608	58212	14111	4567/	08617	84640	87364	
Prestwick	135	81316	56212	10712	6572/	10712	86656	88460	
Abbotsinch	140	81614	56216	11213	5562/	09815	82630	84650	88458
Leuchars	171	81218	48211	13511	8097/	08712	88362		
Dyce	091	81510	30052	14110	7637/	09715	81707	85708	87709
Lerwick	005	81926	15052	12609	863//	08723	85706	88710	
Wick	075	71620	40051	10211	25638	09722	82640	85359	87270
Sule Skerry	010	81414	68601	07111	60927	09822	86458	88270	
Cape Wrath	049	71809	80021	06215	4567/	06714	84630	87360	
Stornoway	026	61824	64056	04813	35572	09620	83625	83359	85464
Benbecula	022	81632	57056	03313	854//	11715	88617		
Tiree	100	81430	56216	05413	854//	11614	82618	88626	
Aldergrove	917	81614	58042	06914	7637/	13811	81709	87712	88360
Malin	980	31432	56051	02614	25730	11732	82650		
Belmullet	976	71417	58216	97414	7647/	12722	85717	84636	87459
Birr	965	81722	58506	01014	864//	11519	86712	86630	
Dublin	969	81722	59506	05815	864//	12722	86714	88719	
Shannon	962	71527	70608	98314	764//	11509	87715		
Roches Point	952	81737	40106	02714	873//	10308	88707		
Valentia	953	72022	64218	97614	724//	13334	83710	85818	

OBSERVATIONS during DAY

Station	iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	01151	041 +		r_or
Hurn	862	01151	039 +		$r_orr_or_o$
Manston	797	00140	078 +		+
Gatwick	776	00150	047 if		+
Kew	775	00160	062 +		+
Heathrow	772	00170	056 +		+
Honington	586	00140	030 FFf		+
Wattisham	590	00140	070 +		+
Gorleston	497		053		
Aberporth	502	97151	004 ir_o		ir_o
Filton	628	97160	030 +		r_o
Rhoose	715	93151	001 jp		r_or_o
Hartland Point	703	97150	002		
Mount Batten	827	94151	001 ir_o		ir_o
St.Mawgan	817	97151	000 ir_o		+
Scilly	804	97150	021 +		ir_o
Culdrose	809	97150	008 ir_o		+
Guernsey	894	01151	042 +		$ir_or_or_o$
Elmdon	534	97150	032 +		r_oir_o
Cardington	559	00160	050 +		+
Wittering	462	00150	051 +		+
Watnall	354	00150	042 +		+
Shawbury	414	00151	002 +		+
Finningley	360	00140	028 +		+
Spurn Point	396		ff		+
Leeming	257	00111	000 +		+
Tynemouth	262	00120	019 +		+
Carlisle	222	00141	022 +		+
Valley	302	97171	013 r_o		ir_o
Ringway	334	97151	041 +		r_o
Squires Gate	318	97140	000 +		r_o
Ronaldsway	204	97151	001 +		r_o
Mull of Galloway	131	00141			
Eskdalemuir	162	96131	022 +		r_or_o
Prestwick	135	97151	002 +		r_o
Abbotsinch	140	01141	010 +		r_or
Leuchars	171	94121	040 +		r_o
Dyce	091	00111	004 +		+
Lerwick	005	00101	000 +		+
Wick	075	97111	054 +		ir_o
Sule Skerry	010	97121			
Cape Wrath	049	00161	042 +		+
Stornoway	026	95131	005 +		r_orr_o
Benbecula	022	93131	002 ir_o		ir_o
Tiree	100	96131	000 ir_o		r_orR
Aldergrove	917	97151	000 +		ir_o
Malin	980	9715	000		
Belmullet	976	0515	001		
Birr	965	9715	001		
Dublin	969	9715	000		
Shannon	962	9516	009		
Roches Point	952	0116	003		
Valentia	953	0716	001		

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

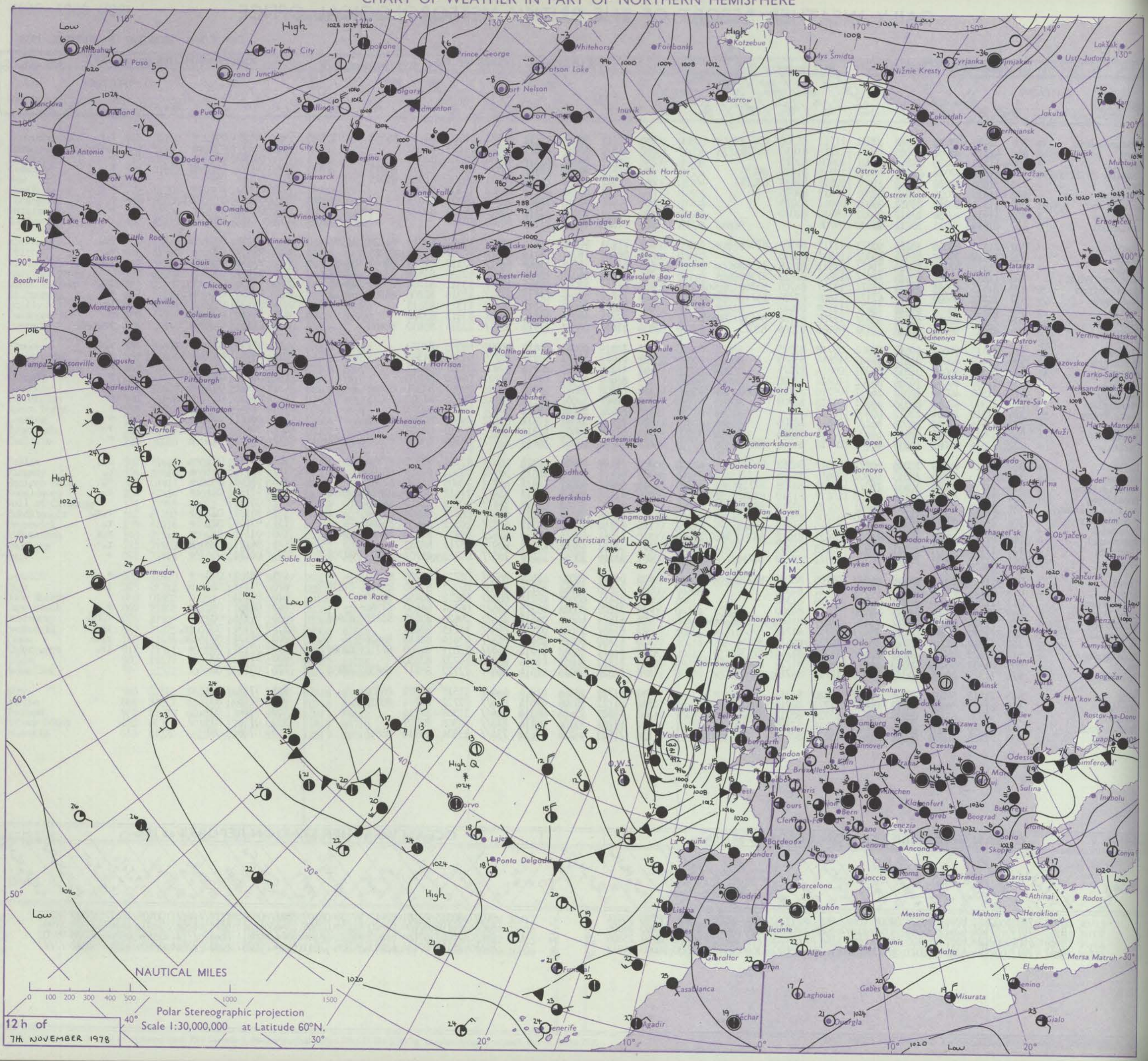
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	07121	82417	98028	07908	834//	00712	/////	/////	05205	10890	30708	30414
L	99566	70195	07124	62619	97012	01208	22472	61003	82815	83360	0//01	11156	30403	24006
M	99648	70008	07124	61827	94105	10808	66200	00810	86703	/////	0//08	10722	30707	25805
R	99473	70170	07124	43134	98021	09112	48500	00338	83820	83640	0//05	11530	30608	34812

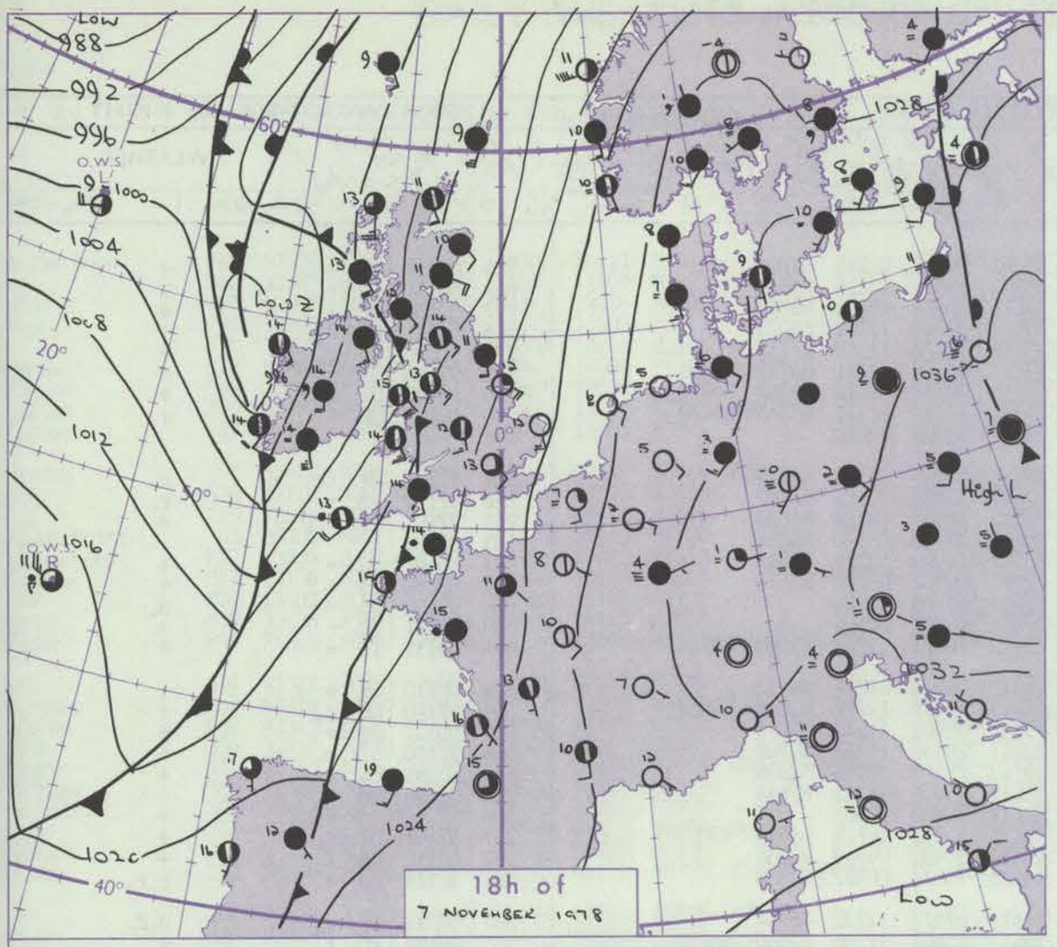
OCEAN WEATHER STATION REPORTS at 18h.

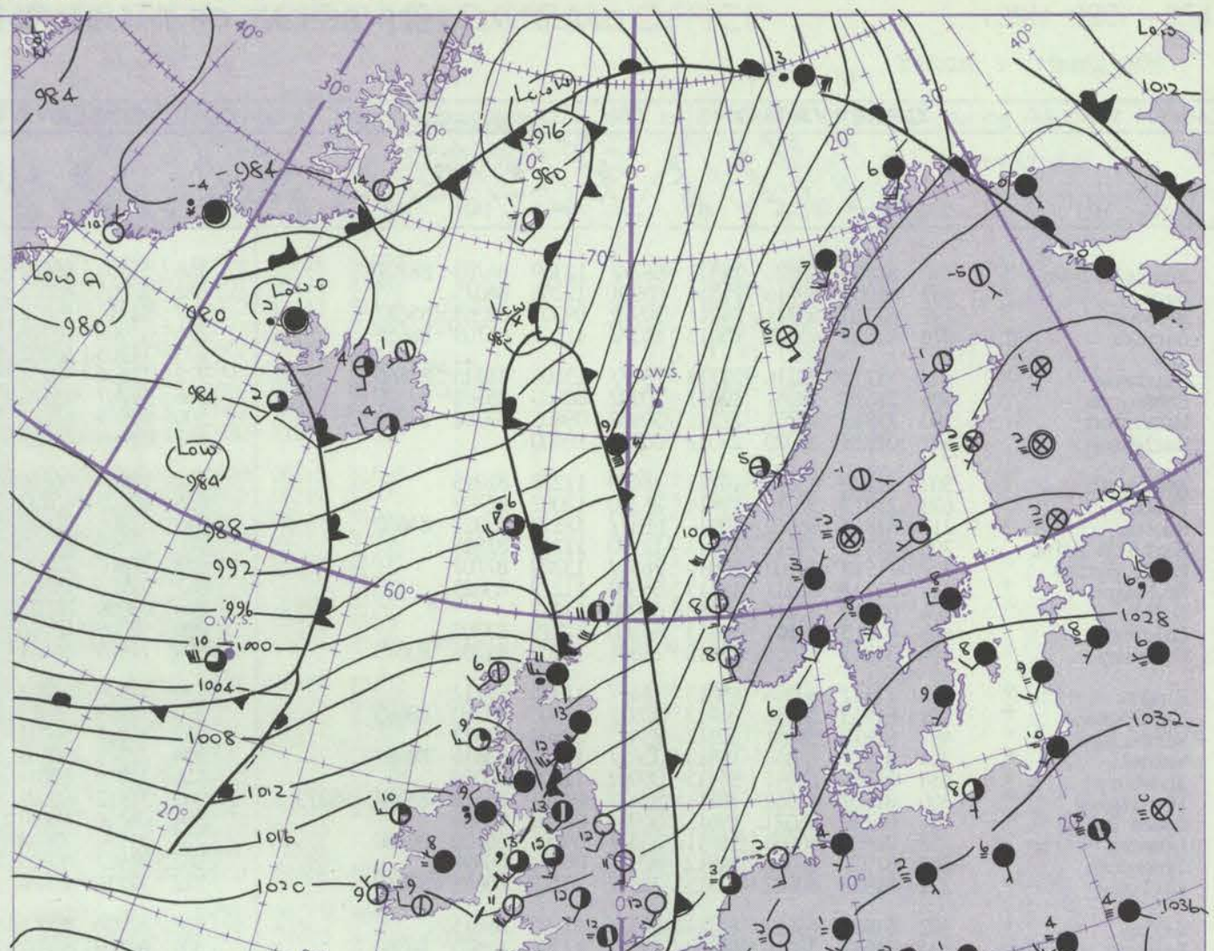
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	07181	82417	97036	06109	885//	00705	/////	/////	00104	10872	30809	28212
L	99566	70198	07184	52620	97258	02508	23463	61313	81915	83365	0//02	11188	30504	27907
M	99650	70007	07184	81825	95102	08408	854//	00811	88617	/////	0//07	10700	30708	99/03
R	99469	70168	07184	62923	97808	17011	69440	00247	83913	83816	0//06	11565	30812	/////

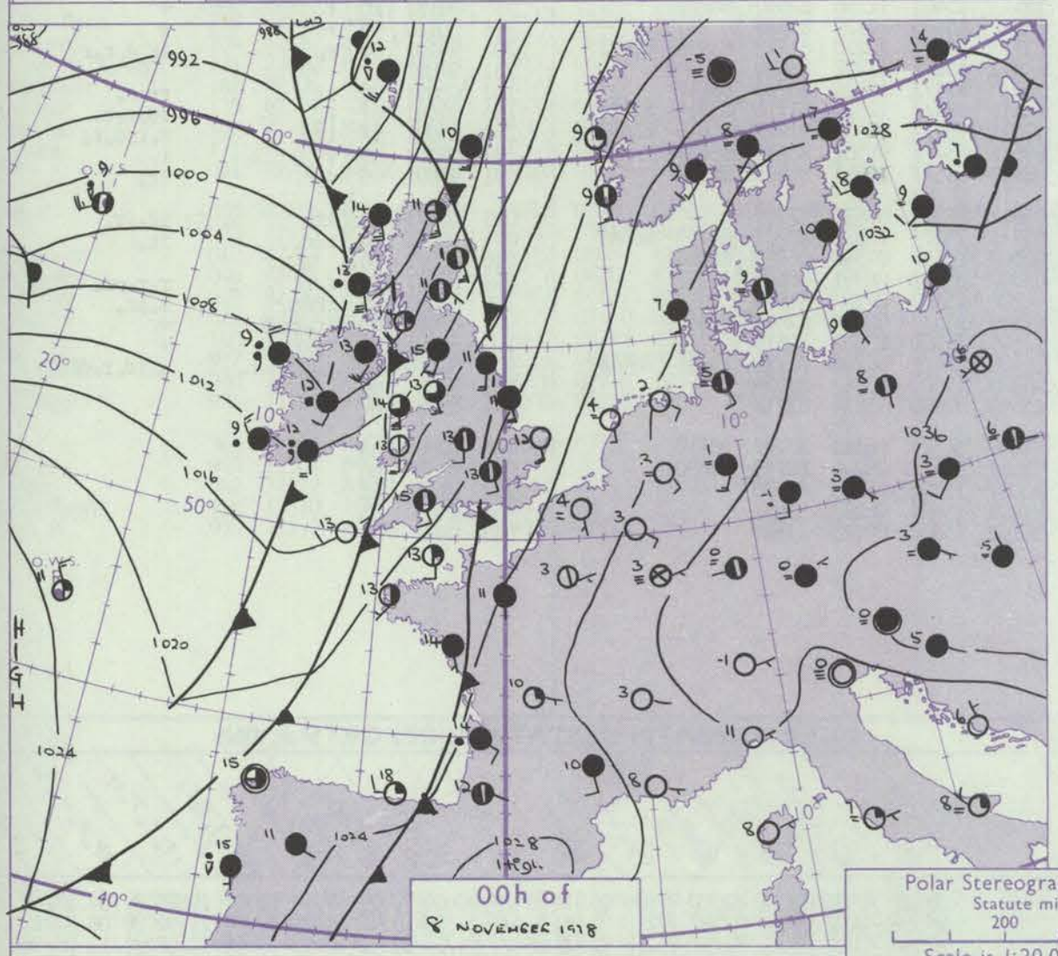
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 8 NOVEMBER 1978

During the past 24 hours pressure continued high over central Europe while a small depression moved northnortheast over west Ireland before it filled and degenerated into part of the cold frontal troughing which moved eastwards over the British Isles.

During the next 24 hours the cold frontal zone is expected to move over the North Sea with a ridge of high pressure affecting southern districts while a frontal system is expected to move across the north of British Isles from the Atlantic.

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

Code FM 11.V

OBSERVATIONS at 00h. 8 November 1978

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	81810	60026	21513	862//	12309	84703	88707	
Hurn	862	41909	60016	21514	00901	12208	84075		
Manston	797	61710	58011	24211	30972	09301	82362	85072	
Gatwick	776	81811	45616	23013	853//	12105	85709	88656	
Kew									
Heathrow	772	71711	58216	21713	754//	13106	81713	87650	
Honington	586	71612	50051	22011	50932	08505	85362	87075	
Wattisham	590	71813	40051	22511	30932	09805	83362	87070	
Gorleston	497	01718	60020	23012	00900	10400			
Aberporth	502	11822	65016	15713	18400	11228	81815		
Filton	628	21811	57056	19414	26300	12002	82709		
Rhoose	715	61812	66802	18914	685//	12113	83820	84640	
Hartland Point	703	12315	79011	17313	12500	11218	81825		
Mount Batten	827	71918	59102	18914	763//	13209	87707		
St.Mawgan	817	51711	80011	18413	55500	11219	85625		
Scilly	804	02310	82016	18113	00900	11223			
Culdrose	809	42013	58001	18713	46200	12219	83705		
Guernsey	894	31811	57056	21813	16301	13209	81706	83075	
Elmdon	534	71811	59046	19013	764//	11305	87712		
Cardington	559	81913	58216	20713	8097/	11500	83360	88463	
Wittering	462	81810	56051	20212	854//	09602	88613		
Watnall	354	81911	57056	18812	3542/	11101	83616	88460	
Shawbury	414	21709	58041	16415	00902	11500	82070		
Finningley	360	81607	45052	18311	55477	09601	85618	85362	88275
Spurn Point	396	81718	56021	19611	8092/	09506	88460		
Leeming	257	81408	40046	16511	6552/	09804	86620	88460	
Tynemouth	262	81920	56052	14912	8092/	09601	88458		
Carlisle	222	81913	60022	12315	3567/	10709	83645	88460	
Valley	302	61833	60026	13014	654//	11120	86615		
Ringway	334	71811	58026	16913	2557/	11304	82620	86360	
Squires Gate	318	61616	58046	15013	30932	11203	83360	85072	
Ronaldsway	204	71925	62016	11514	754//	11207	81713	86620	87638
Mull of Galloway	131	32146	74011	07613	35600	10303	83630		
Eskdalemuir	162	81812	50026	11612	855//	10707	84620	88635	
Prestwick	135	32022	65016	08214	15530	10505	81623	83362	
Abbotsinch	140	21814	65216	07814	25530	09715	81620		
Leuchars	171	71405	57056	10411	2563/	09718	82635	87360	
Dyce	091	71627	28212	09411	-3627/	10728	81705	83710	87360
Lerwick	005	81926	20216	08710	853//	09719	85706	88618	
Wick	075	51723	35056	05411	25630	09735	82640	84360	
Sule Skerry	010	51616	80258	02612	52500	10723	85820		
Cape Wrath	049	21810	80011	01214	25500	10729	82625		
Stornoway	026	81727	70216	99514	855//	11732	82620	88645	
Benbecula	022	81829	56636	98712	854//	12726	84617	88616	
Tiree	100	81630	58602	01213	854//	12511	85618	88640	
Aldergrove	917	81923	75036	06213	855//	09306	86621	88635	
Malin	980	81831	70808	03012	884//	11315	85819	87640	
Belmullet	976	83021	62586	08209	864//	06288	86717	88637	
Birr	965	81911	62605	08012	864//	11239	86710	88630	
Dublin	969	42121	70015	09413	45530	07330	84628		
Shannon	962	83117	62506	08912	864//	10261	88710		
Roches Point	952	81821	60586	09912	873//	12227	88707		
Valentia	953	83116	40618	13809	873//	092100	88706		

OBSERVATIONS at 06h. 8 November 1978

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	51605	50102	23212	56200	12215	85704		
Hurn	862	22006	60021	23314	15401	13314	81615		
Manston	797	81710	56052	24611	8097/	10106	88362		
Gatwick	776	51908	40106	24112	00901	11310	85075		
Kew	775	71905	50052	23712	764//	11312	87711		
Heathrow	772	71606	48101	23212	754//	12211	84711	87616	
Honington	586	51707	35102	23510	20932	09210	82362	84075	
Wattisham	590	61909	45051	24111	20932	10311	82363	85070	
Gorleston	497	01909	60020	23912	00900	10210			
Aberporth	502	12024	65010	18911	15400	09313	81712		
Filton	628	22108	65211	22013	25300	12117	81709		
Rhoose	715	12506	80018	22012	18530	09323	81820		
Hartland Point	703	22619	82020	20713	21500	09120	82821		
Mount Batten	827	12607	72021	22513	11400	12221	81815		
St.Mawgan	817	21905	65011	22110	00902	09222	82075		
Scilly	804	03006	81025	22511	00900	10224			
Culdrose	809	02509	65050	22411	00900	10124			
Guernsey	894	71909	56101	23813	762//	13216	83703	87704	
Elmdon	534	41909	63031	21212	46400	11214	84713		
Cardington	559	71909	56052	22813	754//	12217	83712	87617	
Wittering	462	31812	56011	21711	00901	11210	83075		
Watnall	354	22011	50101	20611	20930	11212	82360		
Shawbury	414	21910	68011	19113	25500	10115	82624		
Finningley	360	31912	60021	19612	25401	11312	82614		
Spurn Point	396	01816	60051	?0111	00900	10303			
Leeming	257	31917	75016	16713	15502	10112	81625	83075	
Tynemouth	262	31917	80021	15713	30930	09319	83358		
Carlisle	222	72218	60031	14613	756//	09322	87630		
Valley	302	62026	65506	17613	674//	11232	86714		
Ringway	334	62109	65012	19413	25602	11216	82640	86070	
Squires Gate	318	61914	70031	18512	65600	10220	86635		
Ronaldsway	204	72120	65212	15713	754//	10223	81712	83716	87623
Mull of Galloway	131	82426	74601	14812	856//	11257	88630		
Eskdalemuir	162	82021	40616	13910	873//	10324	85708	88712	
Prestwick	135	82715	68026	13611	884//	10348	81710	83714	85626
Abbotsinch	140	72715	68216	12011	784//	10337	81712	83816	85642
Leuchars	171	82323	70031	09612	854//	09501	85614	88635	
Dyce	091	81919	66011	08913	855//	10337	86622	87630	
Lerwick	005	71929	30056	01611	763//	09621	87707		
Wick	075	82723	60601	05711	7537/	10332	83707	84713	86645
Sule Skerry	010	83215	70206	04009	6641/	07342	86715	88460	
Cape Wrath	049	82824	82026	04907	855//	06351	88625		
Stornoway	026	12309	80016	08206	15400	04262	81618		
Benbecula	022	62515	67036	09809	655//	05252	82621	86633	
Tiree	100	22516	65016	12609	25500	05257	82625		
Aldergrove	917	83008	65586	16509	854//	07260	81710	84714	88618
Malin	980	12717	70026	15209	15600	03247	81635		
Belmullet	976	32514	70016	16810	32400	05224	82718		
Birr	965	82805	56106	18808	863//	06144	87707	88710	
Dublin	969	83015	70205	17010	854//	08244	82719	88630	
Shannon	962	12905	66026	20007	15600	05240	81630		
Roches Point	952	12610	75016	21009	15600	06247	81637		
Valentia	953	13203	75016	20109	15600	06123	81640		

OBSERVATIONS during NIGHT

Station	iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00111	09	+	+
Hurn	862	00131	10	+	+
Manston	797	00100	07	+	+
Gatwick	776	01111	06	r_or	+
Kew	775	97090	03	r_o	+
Heathrow	772	97110	07	r_o	+
Honington	586	00100	07	+	+
Wattisham	590	00100	08	+	+
Gorleston	497				
Aberporth	502	91101	07	ir_o	r_o
Filton	628	97111	06	+	r_o
Rhoose	715	97101	05	pr_o	+
Mount Batten	703	00120	10		
St.Mawgan	827	00101	06	+	+
Scilly	817	00091	03	+	+
Culdrose	804	97100	05	+	d_o
Guernsey	809	00091	02	+	+
	894	00131	12	+	+
Elmdon	534	00110	09	+	+
Cardington	559	97110	08	r_o	+
Wittering	462	00101	08	+	+
Watnall	354	97110	07	r_o	+
Shawbury	414	00091	06	+	+
Finningley	360	00110	08	+	+
Spurn Point	396			+	+
Leeming	257	97101	07	r_o	+
Tynemouth	262	00110	09	+	+
Carlisle	222	91111	10	+	r_or_o
Valley	302	92111	11	r_o	d_od_o
Ringway	334	00121	10	+	+
Squires Gate	318	00110	09	+	+
Ronaldsway	204	96101	09	r_o	$ir_od_or_or$
Mull of Galloway	131	97091			
Eskdalemuir	162	03091	09	r_o	rr_or_o
Prestwick	135	01091	07	r_o	$rd_or_or_o$
Abbotsinch	140	01091	07	ir_o	$r_or_od_or_o$
Leuchars	171	00101	09	+	+
Dyce	091	97091	09	d_or_o	ir_o
Lerwick	005	01071	06	ir_o	id_oir_o
Wick	075	95061	04	r_or_o	ir_o
Sule Skerry	010	03071	06		
Cape Wrath	049	04071	06	r_or_o	$r_or_opr_o$
Stornoway	026	04061	04	$rrRr_o$	r_opr_o
Benbecula	022	09081	05	ir_orrRR	+
Tiree	100	01081	06	$r_okr_or_o$	+
Aldergrove	917	91070	04	r_od_o–d_or_o	$d_oid_or_od_or_o$
Malin	980	0208	06		
Belmullet	976	0308	07		
Birr	965	0206	04		
Dublin	969	9708	06		
Shannon	962	0106	02		
Roches Point	952	9108	05		
Valentia	953	0807	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	08001	82315	97022	06209	855//	00503	88631	/////	00205	10877	3//08	28/12
L	99567	70200	08004	72326	97808	02709	53402	61809	82917	83825	0//06	11181	30505	27907
M	99650	70007	08004	81732	96022	02008	853//	41740	88609	/////	0//07	10606	30808	/////
R	99470	70169	08004	33416	98258	23311	32400	00225	83816	/////	0//05	11592	30810	/////

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	08061	82610	97606	06508	8742/	00601	/////	/////	05108	10885	3//04	28/10
L	99566	70202	08064	62540	97218	01710	654//	51308	81712	86620	0//07	11192	30708	27910
M	99648	70007	08064	81741	95258	91508	894//	41755	82912	88613	0//08	10767	31213	00/00
R	99469	70167	08064	53410	97251	26511	58500	00215	83820	/////	0//06	11521	30503	30808

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. 42721

Date of Issue THURSDAY 9 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 8 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
Boscombe Down	746	52607	75031	26016	48501	10111	83820		
Hurn	862	32507	80011	26117	21531	11109	82822		
Manston	797	82107	50051	26814	863//	13006	88709		
Gatwick	776	52309	60012	26516	32432	12007	83815		
Kew	775	32208	58051	25916	28409	12106	82815		
Heathrow	772	52007	62011	25617	48441	14006	81714	83818	
Honington	586	22011	57051	25115	18401	12004	81815		
Wattisham	590	52112	56051	25515	21401	11003	82812	84075	
Gorleston	497	31913	58051	25314	00901	11003	83075		
Aberporth	502	62411	82016	25912	684//	09125	83816	83619	
Filton	628	32710	80020	26115	31501	09114	83820		
Rhoose	715	72611	80031	25914	68431	09115	86816		
Hartland Point	703	20000	86011	25813	21500	09119	82820		
Mount Batten	827	12806	84020	26315	11401	11013	81815		
St.Mawgan	817	23106	82021	26613	22401	10115	82814		
Scilly	804	13602	80020	27116	11502	11117	81820		
Culdrose	809	33608	75011	26813	21402	10113	82818		
Guernsey	894	71805	60052	26514	752//	13109	82705	83707	86656
Elmdon	534	42312	70031	24715	41501	09118	84824		
Cardington	559	62210	62021	25117	685//	12308	84820	86627	
Wittering	462	42513	66031	24416	41400	11213	84817		
Watnall	354	32412	70031	23715	32400	09217	83818		
Shawbury	414	72315	81031	24313	754//	08124	81615	85620	86640
Finningley	360	12315	78020	23115	18500	08119	81825		
Spurn Point	396	32412	57050	23614	31500	11212	82825		
Leeming	257	52217	82031	20914	58500	08215	82825	84640	
Tynemouth	262	22314	80020	19815	15630	09219	81630		
Carlisle	222	83006	20586	21010	872//	09132	83703	85709	88712
Valley	302	72614	75025	24611	784//	08245	83816	87650	
Ringway	334	62215	75031	23314	654//	08218	81618	86625	
Squires Gate	318	72512	68215	22213	784//	12220	85710	85620	
Ronaldsway	204	52810	82016	22811	48502	06236	81822	84650	
Mull of Galloway	131	22610	80016	21911	10931	06228	81365		
Eskdalemuir	162	72506	65028	20709	785//	06127	82820	87635	
Prestwick	135	62514	82026	20411	18432	05227	81818	86075	
Abbotsinch	140	72411	81022	19411	38506	05222	81822	83635	87072
Leuchars	171	72414	82022	18411	18502	04134	81825	87075	
Dyce	091	72705	84036	16311	15576	05129	81625	84466	87270
Lerwick	005	82426	62036	09409	4557/	05230	82623	83650	85359
Wick	075	82115	83036	13209	35537	05113	81625	83640	85359
Sule Skerry	010	82724	70026	09710	38512	08010	81820	83625	85458
Cape Wrath	049	72424	82018	09309	5857/	08209	83820	85625	87360
Stornoway	026	82223	81038	11210	3547/	05107	81618	83635	85360
Benbecula	022	82327	80038	12911	3547/	07010	82712	85360	88465
Tiree	100	82223	80021	16811	38437	08218	81816	88275	
Aldergrove	917	62410	84026	21810	18501	06122	81825	86080	
Malin	980	72220	83021	19310	28508	07218	82820	87270	
Belmullet	976	72120	78258	20812	38532	08213	82820	87070	
Birr	965	12209	84011	24511	18500	07122	81821		
Dublin	969	12507	84025	23612	18501	04222	81820		
Shannon	962	32212	83031	24812	38502	07118	81825	83650	
Roches Point	952	12310	70020	25913	18401	05112	81816		
Valentia	953	72112	82038	25713	48502	08115	81825	84634	85070

OBSERVATIONS at 18h. 8 November 1978

iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
746	13402	80021	28611	00902	08216	81072		
862	23602	58050	28510	10931	08218	81362		
797	51707	40102	28511	15772	11213	81656	83362	
776	71903	40101	28713	754/1	12216	87618	87075	
775	20000	60011	28209	15601	09316	81630		
772	42702	68011	27914	10932	11317	81365	84075	
586	32103	56051	27811	15502	09218	81625	83078	
590	51907	57051	27913	00902	10313	85078		
497	12105	58050	27613	10930	11213	81360		
502	12105	86021	28407	11400	06315	81818		
628	12703	80020	28410	00902	08212	81075		
715	13102	80021	28209	18440	08213	81814		
703	20000	87010	28211	21500	07213	82820		
827	10204	84020	28512	15601	09214	81635		
817	10103	82020	28610	11441	07209	81814		
804	30000	80011	28710	18502	07209	81820	83075	
809	20206	65050	28709	15630	08212	81630		
894	70704	23102	28313	6523/	13215	81705	86617	
534	33106	68031	28209	35601	06219	83632		
559	42403	68031	27909	00901	07221	84080		
462	12503	70010	27909	00901	07222	81078		
354	72606	75021	27511	755//	08225	87620		
414	12108	64028	27907	14701	05219	81650		
360	52607	70011	26911	55600	07325	85632		
396	42307	66011	26412	35641	09220	83630		
257	02410	82011	25909	00900	07132			
262	02304	69021	24509	00900	05222			
222	52107	70036	24508	48531	06219	82820	83635	
302	12315	82021	27111	18501	06213	81825		
334	32102	65016	27710	38500	07220	81820	83632	
318	22613	75025	26811	12401	06215	81818		
204	52412	84031	25611	28501	06213	81824	85075	
131	62516	80031	24311	4563/	06212	84630	86360	
162	52109	80031	24107	45602	05311	84635		
135	72414	80022	22811	755//	08309	81620	87640	
140	72417	75022	21411	25632	06207	82630	83362	87072
171	72318	70032	20210	756//	06210	83635	87645	
091	71913	82032	18209	15578	06109	81625	84460	86270
005	82228	60218	09709	6542/	07500	83710	86640	88458
075	72118	82022	14010	4557/	07207	82620	83642	85359
010	72518	74018	11011	5346/	10311	85915	87360	
049	82327	66606	10210	872//	10204	88705		
026	72316	74016	13011	7557/	07313	83620	87647	87359
022	82320	65026	14911	7547/	10314	82712	86621	88462
100	72022	60016	18511	3557/	10308	83625	86460	
917	51906	80011	24108	15541	06210	81625	85075	
980	72225	81216	21610	754/8	09312	82718	86648	86270
976	82120	74022	22312	7643/	09309	85717	86638	
965	62005	81011	26309	45602	06311	84640	84070	
969	72003	64021	26110	6563/	06212	86638		
962	61807	82018	26310	5853/	07209	81825	84645	
952	52309	75011	27710	45702	07311	84650		
953	71805	82022	26611	785//	10205	81825	87635	

OBSERVATIONS during DAY

iii	RRT×T×E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00161	069	+	+
862	00170	068	+	+
797	97151	004	+	F
776	00171	045	+	+
775	00170	028	+	iF
772	00180	033	+	+
586	00160	054	+	+
590	00160	047	+	if
497		038		
502	97121	045	ir_o	+
628	00160	079	+	+
715	00151	066	+	+
703	00130	066		
827	00161	075	+	+
817	00131	079	+	+
804	00160	085	+	+
809	00140	074	+	+
894	00150	002	+	+
534	00160	077	+	+
559	00170	056	+	+
462	00160	064	+	+
354	00150	069	+	+
414	97141	035	pr_o	+
360	00170	064	+	+
396			+	+
257	00141	053	+	+
262	00150	045	+	+
222	01121	015	$r_o r_o drd_o r_o$	+
302	94131	033	$d_o d_o$	+
334	97141	037	$d_o r_o$	$d_o r_o$
318	93131	013	$r_o d_o r_o did_o$	+
204	00131	043	+	+
131	00121			
162	97091	015	pr_o	+
135	00121	048	+	+
140	00121	045	+	+
171	00121	035	+	+
091	00111	003	+	+
005	01101	000	pr_o	$ir_o r_o r_o$
075	00101	006	+	+
010	91121			
049	94112	000	pr_o	ir_o
026	92111	000	$r_o r_o$	ir_o
022	95121	000	$pr_o ir_o$	$drid_o$
100	92121	000	+	ir_o
917	00120	064	+	+
980	9711	003		
976	9712	003		
965	0012	056		
969	9113	052		
962	9713	044		
952	0013	075		
953	9113	028		

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

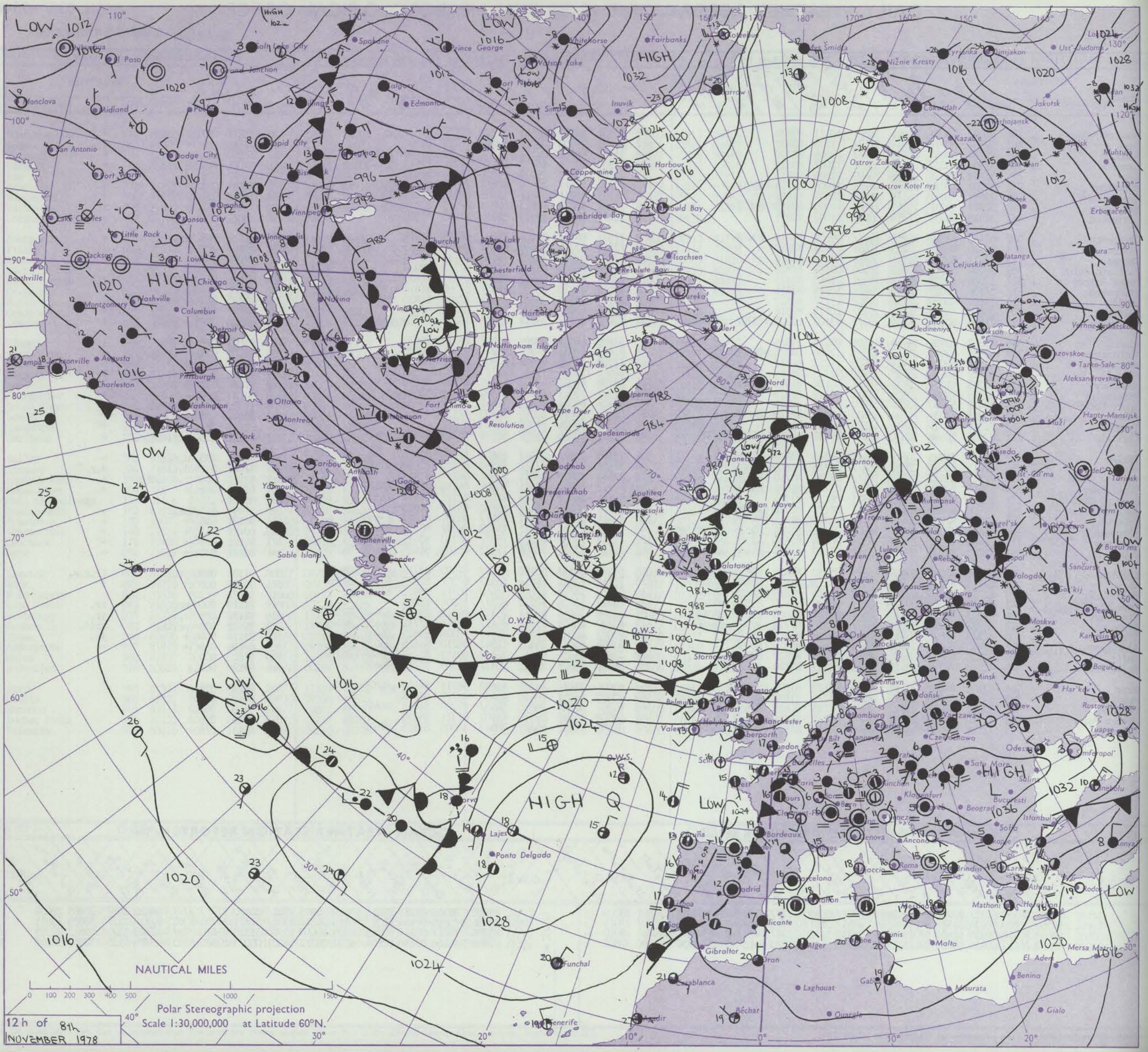
O.W.S.	$99 L_a L_a L_a$	$Q_c L_o L_o L_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ pp	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
CLMR	99527	70355	08121	83406	97616	06606	8742/	00400	/////	/////	05506	10885	30201	28009
	99566	70205	08124	82528	97258	05710	48437	51217	81815	84625	0//07	11188	30707	27011
	99648	70016	08124	62134	98028	93606	58332	51128	82707	84617	0//05	10759	30705	18010
	99469	70167	08124	53108	97028	29512	58500	00217	81820	84633	0//07	11572	30000	32807

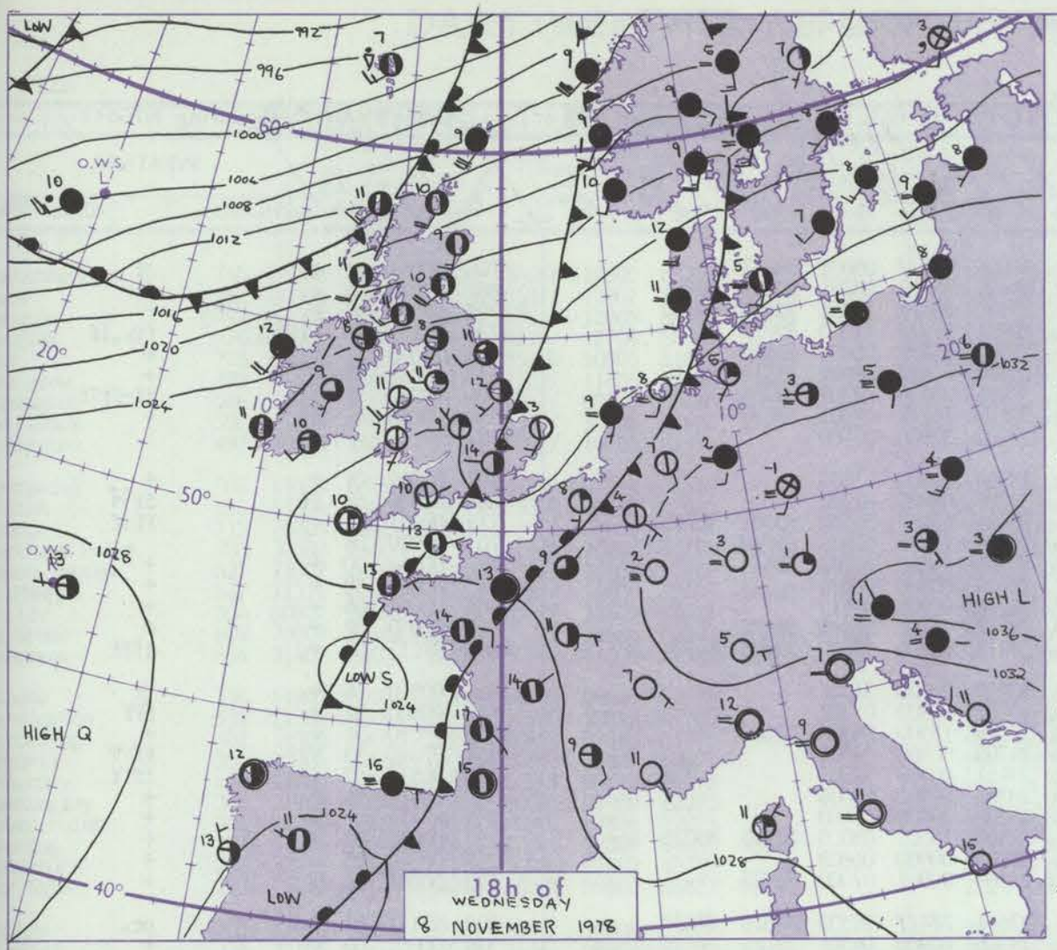
OCEAN WEATHER STATION REPORTS at 18h.

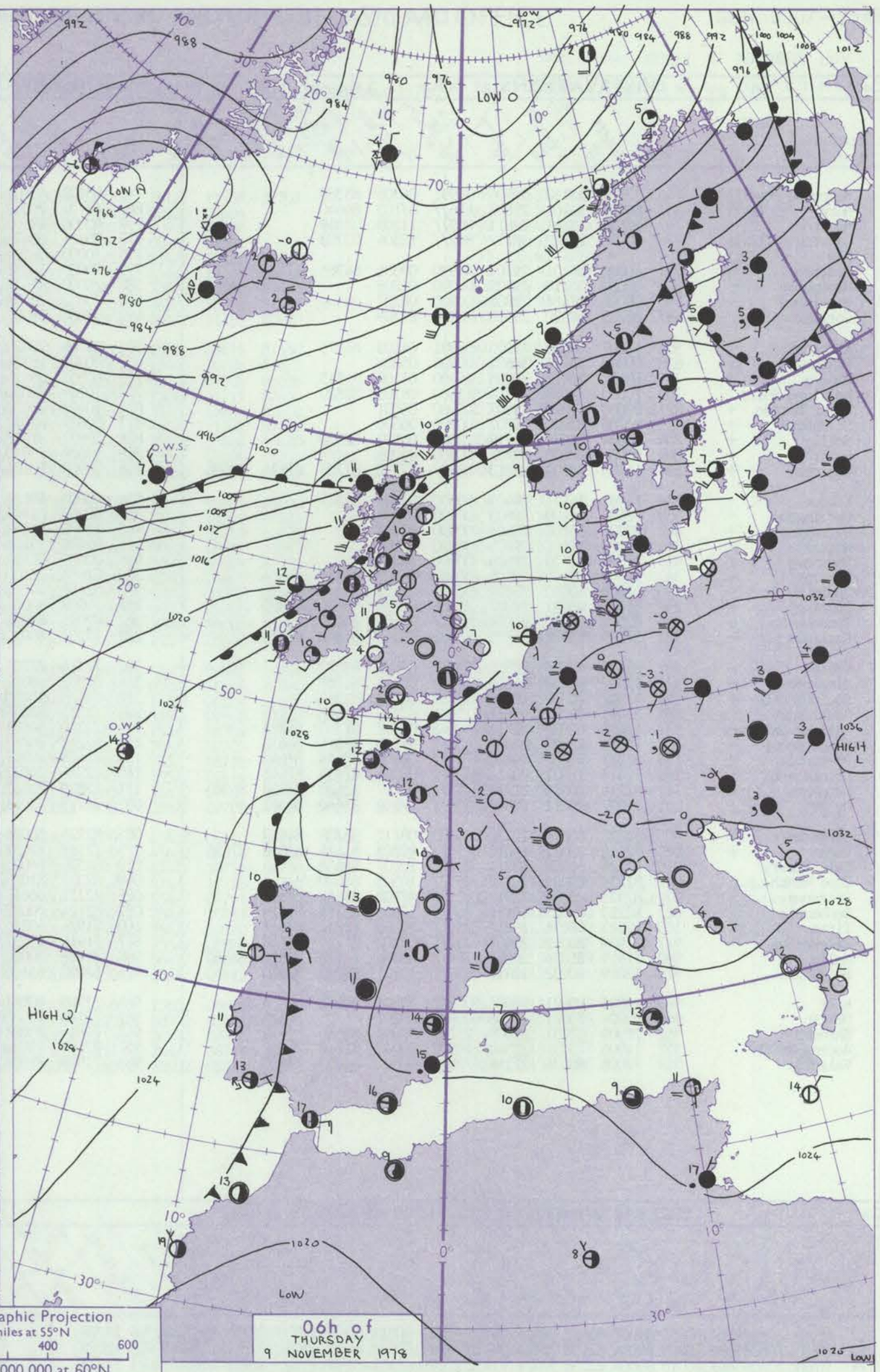
O.W.S.	$99 L_a L_a L_a$	$Q_c L_o L_o L_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ pp	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
CLMR	99527	70355	08181	83511	97616	06503	8742/	00400	/////	/////	06002	10875	30403	28008
	99565	70210	08184	82327	96616	04310	6532/	51811	84709	85625	0//10	11173	30605	30011
	99647	70017	08184	52142	96026	89407	55500	51528	85620	/////	0//03	10706	31012	99/05
	99469	70166	08184	52604	98031	28712	48501	00603	83820	83633	0//09	11557	30000	32108

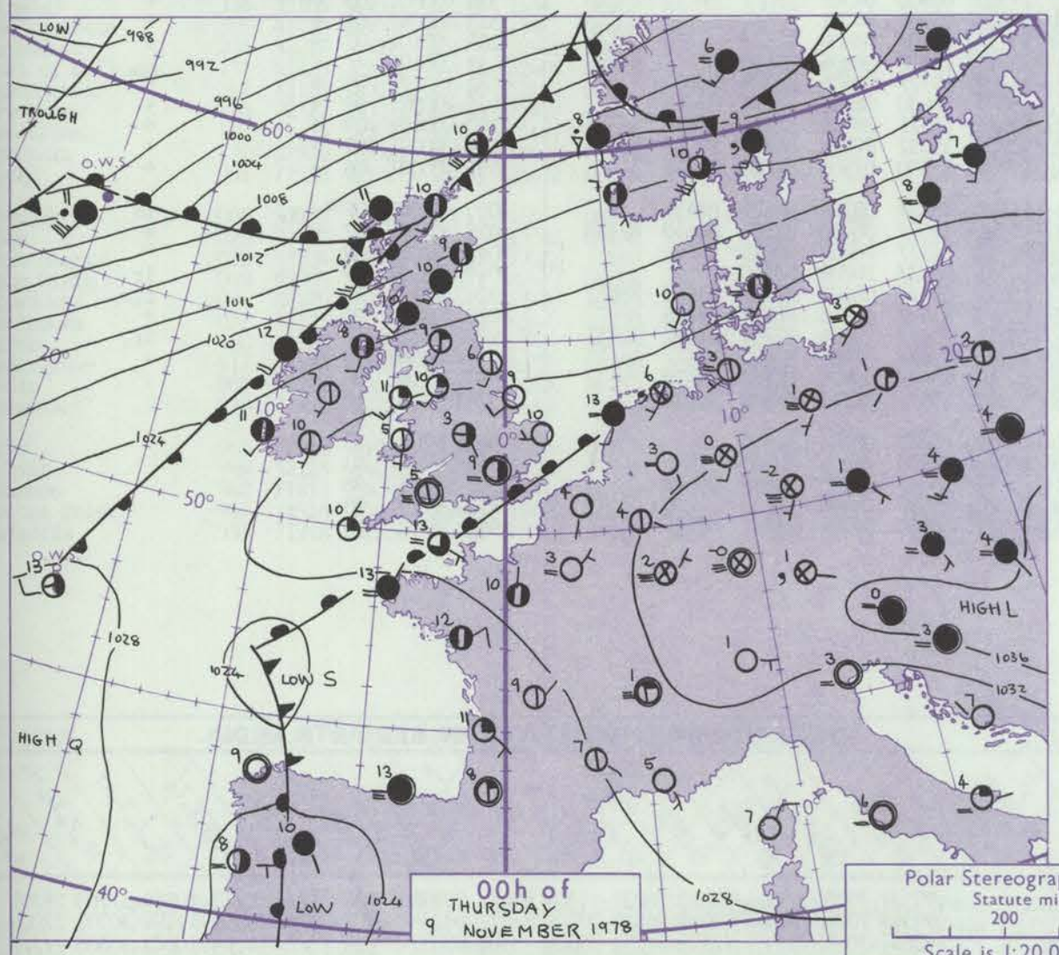
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 9 NOVEMBER 1978

During the past 24 hours pressure has remained relatively high over southern parts of the British Isles, but in the north one trough of low pressure moved away east only to be followed by another, with the cold front waving to the west of Scotland.

During the next 24 hours the cold front is expected to move southwards only a little into the Northern Isles and extreme north of Scotland. Pressure will remain high over Southern England but a weak frontal system will move northeastwards into the Southwest Approaches.

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

Code FM 11.V — OBSERVATIONS at 00h. — 9 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
Boscombe Down	746	33301	50110	30406	30931	06306	83360		
Hurn	862	60000	56101	29808	656//	07103	86640		
Manston	797	82604	15281	29811	8097/	11205	88359		
Gatwick	776	80000	20282	30112	862//	12304	88703		
Kew									
Heathrow	772	40000	36101	29709	40930	09306	84365		
Honington	586	00000	30110	29705	00900	05206			
Wattisham	590	00000	02464	29808	00900	08207			
Gorleston	497	02705	58020	29510	00900	09209			
Aberporth	502	11807	75020	29705	00901	04103	81075		
Filton	628	00000	13400	30405	00900	05205			
Rhoose	715	10402	68110	30005	18400	04106	81815		
Hartland Point	703	10000	74010	29510	11500	08103	81820		
Mount Batten	827	00000	68020	29507	00900	06001			
St.Mawgan	817	00705	82020	29707	00900	06000			
Scilly	804	20304	82030	29710	22500	08102	82820		
Culdrose	809	00406	70020	29707	00900	06001			
Guernsey	894	61105	30102	28813	653//	12302	81708	83624	86628
Elmdon	534	51401	56111	30403	55500	03207	85622		
Cardington	559	02402	57100	29803	00900	03208			
Wittering	462	02907	56100	29606	00900	05105			
Watnall	354	02403	12101	29705	00900	05106			
Shawbury	414	01802	61110	29603	00900	02205			
Finningley	360	12307	45101	29005	00902	04209	81075		
Spurn Point	396	02408	60020	29209	00900	07210			
Leeming	257	61706	80031	27807	35504	05105	83620	86080	
Tynemouth	262	62006	69021	26007	6091/	05104	86459		
Carlisle	222	32209	68021	25709	15602	08305	81640	83075	
Valley	302	22316	82020	28311	11501	07002	81823		
Ringway	334	11907	59030	29606	10940	05105	81368		
Squires Gate	318	22312	70030	28110	10931	08203	81362		
Ronaldsway	204	22411	84021	26811	15601	07104	81640		
Mull of Galloway	131	42423	82031	25711	10946	08102	81360	84270	
Eskdalemuir	162	72016	75022	25308	6543/	07103	83615	86635	
Prestwick	135	82311	68032	24210	7547/	08206	82618	87645	
Abbotsinch	140	72414	75022	23111	755//	08004	81624	87645	
Leuchars	171	82216	70022	21710	3557/	07207	82620	83650	86360
Dyce	091	71807	80012	19809	3563/	07204	83640	86362	
Lerwick	005	52328	60016	12110	55300	08112	83708	84625	
Wick	075	72112	82022	16010	755//	07305	81625	83640	87656
Sule Skerry	010	82726	66028	13211	8092/	10107	88458		
Cape Wrath	049	82324	80026	12210	855//	10503	88620		
Stornoway	026	82325	75026	13911	855//	07802	83622	88656	
Benbecula	022	82223	70025	16111	854//	10301	82711	88615	
Tiree	100	82023	62036	19212	854//	10802	82612	88647	
Aldergrove	917	71909	80012	25408	754//	07202	81710	87648	
Malin	980	71919	81026	22311	784//	08004	82718	83821	86650
Belmullet	976	82019	70032	22412	854//	10801	83719	87630	
Birr	965	12005	80021	27007	00902	05801	81070		
Dublin	969	02004	70021	27208	00900	05001			
Shannon	962	21909	82031	27009	25700	07802	82650		
Roches Point	952	11906	75031	28510	18400	07002	81818		
Valentia	953	72008	80036	27211	785//	08001	81822	87630	

OBSERVATIONS at 06h. — 9 November 1978

iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
746	63102	45101	30005	658//	05601	86657		
862	60102	70012	29409	65600	08701	83635	83656	
797	80000	19102	29910	854//	10301	82616	88650	
776	90101	03476	29911	9////	11500	89//		
775	70000	56101	29709	754//	08400	87616		
772	70000	56051	29409	754//	08501	81618	87656	
586	20000	07424	30102	20950	02302	82364		
590	70602	25104	30108	757//	07301	87650		
497	03006	58050	29807	00900	07400			
502	01708	75020	28904	00900	03503			
628	00000	18284	30202	00900	02302			
715	60505	05414	29603	660//	03500	82701	86703	
703	10709	84020	28609	12500	07505	81820		
827	10403	70020	28705	15630	05603	81640		
817	00807	82010	28806	00900	06504			
804	00807	81020	28210	00900	09515			
809	10609	75030	28707	15600	05504	81630		
894	50905	10104	28312	56200	12500	82703	84704	
534	00000	40121	30250	00900	51301			
559	00000	01444	29901	00900	01502			
462	12806	35100	29904	15500	04500	81622		
354	02405	15104	29703	00900	03301			
414	00000	02414	29451	00900	51301			
360	01603	18100	28300	00900	50606			
396	02108	64020	29007	00900	06400			
257	51608	58041	27407	15501	05503	81625	85075	
262	02005	69021	25708	00900	06603			
222	12207	80020	25309	00901	07000	81075		
302	72314	82031	27611	784//	09503	83818	87630	
334	01907	68020	29305	00900	04501			
318	01610	65020	27905	00900	04501			
204	12312	82020	25910	18502	07604	81820		
131	22320	84011	25110	25600	08604	82635		
162	62217	70012	24409	653//	07604	83708	86632	
135	42414	70011	23609	35430	08501	81616	83645	
140	72216	70032	22511	753/1	08504	81709	87645	
171	52826	72012	20910	35432	07809	81713	83365	85075
091	31713	75011	19209	35500	07505	81620	83645	
005	82224	80036	11510	4552/	08301	84625	88459	
075	72118	82032	14611	4553/	06810	82625	84640	87359
010	82526	66022	11912	855//	10708	88625		
049	82332	81026	10311	864//	10708	88710		
026	82121	66616	12411	854//	08607	82710	84618	88632
022	82124	70022	13811	854//	10816	82618	88635	
100	81924	60216	18011	854//	10706	82711	87617	88647
917	71912	65021	24107	756//	07807	87630		
980	81818	80022	20710	854//	08805	82718	88650	
976	62020	65105	20312	655//	08710	84628	85640	
965	21908	80021	25609	25600	08706	82630		
969	22103	75030	26208	20930	06604	82360		
962	71814	80021	25210	756//	08708	81630	86642	
952	22109	75030	27210	25500	08605	82625		
953	71908	81038	25311	78500	08706	81822	87630	

OBSERVATIONS during NIGHT

iii	$RRT_n T_n E$	$T_g T_g$	WEATHER 21h.—03h.	WEATHER 03h.—09h.
746	00051	51	+	if
862	00070	04	+	+
797	97091	07	F	f
776	97101	10	fifFr$_o$	ffr$_o$if
775	00000	51	iF	+
772	00080	03	+	+
586	00020	51	+	if-ffFf
590	00060	02	ff	+
497				
502	00041	01	+	+
628	00000	53	ff	ffif
715	00021	51	+	Ffif
703	00070	04		
827	00041	00	+	+
817	00061	50	+	+
804	00090	04	+	+
809	00050	02	+	+
894	97111	06	+	ifff
534	00510	54	+	if
559	00500	52	+	fFF
462	97010	51	+	+
354	97010	53	Fff	ffFF
414	00533	57	fif	ifff
360	00510	54	+	+
396			+	+
257	00051	02	+	+
262	00070	05	+	+
222	00081	04	+	+
302	97111	07	+	pr$_o$
334	00051	03	+	+
318	00041	02	+	+
204	00101	07	+	+
131	00101			
162	00071	05	+	+
135	00091	08	+	+
140	00101	09	+	+
171	00091	07	+	+
091	00081	06	+	+
005	94091	07	r$_o$r$_o$	id
075	00101	07	+	+
010	97091	09		
049	96092	09	ir$_o$	ir
026	95101	09	+	r$_o$r$_o$
022	00111	10	+	+
100	92111	10	ir$_o$	ir$_o$
917	00060	05	+	+
980	9210	08		
976	9710	10		
965	9706	03		
969	9707	03		
962	9708	06		
952	9710	05		
953	9710	06		

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	09001	83112	98026	09405	5565/	00213	85638	/////	05700	10872	3//04	28/08
L	99566	70208	09004	82135	96616	98111	873//	00641	86708	88710	0//11	11192	30706	28009
M	99647	70018	09004	22236	97021	95707	25500	61131	82620	/////	0//03	10651	31011	/////
R	99470	70170	09004	52410	98031	28312	58500	00809	81820	84640	0//09	11578	30000	32107

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	09061	83010	98037	11304	856//	00308	88634	/////	05853	10864	3//03	28/07
L	99567	70207	09064	83013	96616	00507	873//	00208	88708	/////	0//07	11191	30303	22008
M	99647	70015	09064	72129	97031	95606	75500	00805	87620	/////	0//04	10679	30808	/////
R	99470	70169	09064	51913	98021	25113	58500	00715	81820	84640	0//10	11578	30602	32105

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. 42722

Date of Issue FRIDAY 10 NOVEMBER 1978

Code FM 11.V — OBSERVATIONS at 12h. — 9 November 1978

Station	iii	Ndd$_f$f	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	81002	06462	29411	860//	10805	88701		
Hurn	862	80304	45052	29013	853//	12807	88706	88615	
Manston	797	81002	30104	29613	853//	12805	86709	88650	
Gatwick	776	83001	25044	29613	862//	12704	88704		
Kew	775	50000	25052	29414	55400	10805	81615	84630	
Heathrow	772	71402	34052	29114	7563/	11806	87630		
Honington	586	71402	40054	29610	754//	09806	83618	86656	
Wattisham	590	71502	35052	29812	757//	10805	87650		
Gorleston	497	70000	16104	30010	7097/	10705	87358		
Aberporth	502	11614	65020	27511	11401	07814	81818		
Filton	628	11304	45054	29013	15500	09813	81625		
Rhoose	715	70705	02424	28708	760//	08809	87701		
Hartland Point	703	30502	74030	27513	18531	10808	81820	83360	
Mount Batten	827	71007	60051	27915	756//	12808	87630		
St.Mawgan	817	71311	62021	27613	783//	11809	82707	86630	
Scilly	804	80907	60021	27214	855//	12809	88621		
Culdrose	809	70909	57101	27813	762//	12806	82703	85705	87707
Guernsey	894	31409	62031	27513	10932	11809	81360	83075	
Elmdon	534	11905	65020	28912	00902	06810	81075		
Cardington	559	11702	56054	29114	10930	10812	81360		
Wittering	462	11906	59050	29212	00901	07810	81075		
Watnall	354	22305	20054	29209	00901	07807	82075		
Shawbury	414	11703	70024	28510	00901	06812	81075		
Finningley	360	21908	60040	28311	00902	07809	82075		
Spurn Point	396	22206	58020	29311	00901	07805	82075		
Leeming	257	41911	62041	27111	28501	07805	81820	83075	
Tynemouth	262	32012	69021	25111	30930	07809	83358		
Carlisle	222	72412	80031	24713	68531	09807	83822	85638	
Valley	302	51920	82038	27212	52401	09806	85816		
Ringway	334	32106	64021	28210	11541	06807	81828	83078	
Squires Gate	318	41810	59041	27612	18401	08807	81818	83075	
Ronaldsway	204	32217	84011	25512	28401	08804	82818		
Mull of Galloway	131	62325	82021	24112	32406	09808	81710	83820	85270
Eskdalemuir	162	72118	70022	23710	624/2	07711	82712	85820	
Prestwick	135	72212	80021	22912	7543/	07805	81712	87645	
Abbotsinch	140	72115	70022	22312	754//	08805	81618	87645	
Leuchars	171	62320	70021	20613	18532	09711	81825	83360	85075
Dyce	091	71913	83021	18111	25472	08809	81616	84360	87462
Lerwick	005	82232	65025	10111	4547/	08706	81710	83628	88462
Wick	075	72117	84022	14111	15542	07803	81620	85362	87072
Sule Skerry	010	82334	12646	10811	7732/	11802	87706	88458	
Cape Wrath	049	82436	66525	09611	874//	09504	88715		
Stornoway	026	82129	70216	10412	7542/	10813	83712	86618	87628
Benbecula	022	82125	70022	12612	854//	11710	86713	88635	
Tiree	100	81925	62036	16912	854//	10809	86617	88640	
Aldergrove	917	62113	80012	23211	655//	08809	81625	86632	
Malin	980	71927	82032	19012	55432	08713	81716	84642	
Belmullet	976	71922	72216	18713	7643/	10813	85718	85636	
Birr	965	72013	81031	24712	785//	08705	84820	87634	
Dublin	969	52115	84031	25213	48502	05807	82822		
Shannon	962	71811	84022	24312	754//	09709	81714	87636	
Roches Point	952	11916	75021	26413	18402	08806	81816		
Valentia	953	71918	82258	24413	785//	09706	85823	87633	

OBSERVATIONS at 18h. — 9 November 1978

Station	iii	Ndd$_f$f	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	71201	14104	27112	761//	11505	87702		
Hurn	862	00602	05411	26909	00900	09604			
Manston	797	01305	18101	28010	00900	10607			
Gatwick	776	00000	04411	27910	00900	09501			
Kew	775	80000	35051	27513	854//	11603	88617		
Heathrow	772	80000	20051	27113	854//	12705	88619		
Honington	586	31505	22401	27711	35500	10502	83620		
Wattisham	590	81905	45051	28011	862//	10503	81705	88710	
Gorleston	497	81704	32051	28012	855//	11705	88620		
Aberporth	502	11615	62050	24710	15731	09611	81650		
Filton	628	10905	30101	26611	15400	10706	81618		
Rhoose	715	60604	50044	26210	656//	09506	86638		
Hartland Point	703	71208	68021	24513	756//	11711	87640		
Mount Batten	827	31008	40051	25413	35700	12705	83650		
St.Mawgan	817	71105	56052	24713	756//	11708	87640		
Scilly	804	31209	56011	24213	35500	13606	83620		
Culdrose	809	71010	30102	25113	752//	12606	81703	83706	87615
Guernsey	894	10808	57050	25613	10930	08606	81359		
Elmdon	534	11602	50100	27006	15500	05603	81620		
Cardington	559	81905	60021	27314	855//	11501	88621		
Wittering	462	12402	50050	27109	15600	08603	81630		
Watnall	354	12008	24050	26409	00901	08707	81075		
Shawbury	414	11706	64040	25809	00901	07608	81075		
Finningley	360	11505	50040	25906	00902	04605	81075		
Spurn Point	396	11812	58020	26510	00901	08707	81075		
Leeming	257	11809	60040	24609	00901	07706	81075		
Tynemouth	262	11909	69021	23010	10940	06606	81358		
Carlisle	222	72308	75031	23010	755//	08603	82625	86632	
Valley	302	41916	70021	24411	45400	09609	84614		
Ringway	334	11705	57020	26109	00901	06606	81080		
Squires Gate	318	21506	56040	25007	15601	06609	81630		
Ronaldsway	204	52216	84011	23111	51501	07603	81820	84824	
Mull of Galloway	131	72125	82032	21611	755//	08704	87625		
Eskdalemuir	162	71913	75012	22009	784//	07705	81712	83819	86635
Prestwick	135	82016	70022	19911	855//	08710	83620	88632	
Abbotsinch	140	72112	70022	19311	755//	07614	81620	87624	
Leuchars	171	72318	70022	18511	35532	07708	82620	86075	
Dyce	091	71805	80022	15811	3557/	07705	81620	83628	87362
Lerwick	005	82133	68026	07911	6542/	08510	86618	88460	
Wick	075	72125	81022	10911	45632	08613	81630	84645	87072
Sule Skerry	010	82340	57216	07511	6747/	10715	86710	88458	
Cape Wrath	049	82342	60515	04911	874//	10726	88710		
Stornoway	026	82135	70016	07112	854//	09711	82712	83616	88633
Benbecula	022	72027	70022	09212	754//	10713	84713	87631	
Tiree	100	81827	60606	14012	854//	10510	82710	86617	88622
Aldergrove	917	71916	82022	20011	755//	08809	87622		
Malin	980	72024	80022	16412	5647/	08610	82712	85716	85460
Belmullet	976	72024	72036	15612	764//	09612	85717	84636	
Birr	965	51811	81021	21610	15602	06606	81636	85070	
Dublin	969	11905	80011	22510	00902	05606	81070		
Shannon	962	51710	80031	21311	28532	07608	81822	84075	
Roches Point	952	71914	75031	23112	764//	08711	87715		
Valentia	953	51816	82018	21012	28502	08711	81821	85070	

OBSERVATIONS during DAY

Station	iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	00130	008	if	ifF
Hurn	862	00150	000	+	iffFF
Manston	797	97140	000	jf	iffF
Gatwick	776	00151	000	+	ifiFFF
Kew	775	00140	009	+	ifF
Heathrow	772	00150	012	+	+
Honington	586	00140	023	+	jf
Wattisham	590	00130	001	+	+
Gorleston	497		000		
Aberporth	502	00121	075	+	+
Filton	628	00150	071	+	if
Rhoose	715	00120	037	ifFFf	+
Hartland Point	703	00140	039		
Mount Batten	827	00151	040	+	+
St.Mawgan	817	00141	013	+	+
Scilly	804	00150	000	+	+
Culdrose	809	00141	003	+	+
Guernsey	894	00171	078	+	+
Elmdon	534	00130	081	+	+
Cardington	559	00150	051	+	+
Wittering	462	97140	078	+	+
Watnall	354	00130	053	FF	+
Shawbury	414	00121	069	ff	+
Finningley	360	00130	076	+	+
Spurn Point	396			+	+
Leeming	257	00121	066	+	+
Tynemouth	262	00120	069	+	+
Carlisle	222	00131	058	+	+
Valley	302	00131	062	+	+
Ringway	334	00111	080	+	+
Squires Gate	318	00120	062	+	+
Ronaldsway	204	00131	069	+	+
Mull of Galloway	131	00131			
Eskdalemuir	162	00121	009	+	+
Prestwick	135	00131	019	+	+
Abbotsinch	140	00121	015	+	+
Leuchars	171	00130	033	+	+
Dyce	091	00121	014	+	+
Lerwick	005	97121	000	id_oir_o	+
Wick	075	00111	000	+	+
Sule Skerry	010	04122			
Cape Wrath	049	01112	000	$idid_o$	$d_od_oir_o$
Stornoway	026	01121	000	$ir_or_or_o$	$r_or_oir_o$
Benbecula	022	97121	000	+	ir_o
Tiree	100	94121	000	ir_o	ir_o
Aldergrove	917	00120	015	+	+
Malin	980	0013	003		
Belmullet	976	0113	001		
Birr	965	9713	023		
Dublin	969	9713	075		
Shannon	962	9714	026		
Roches Point	952	0013	077		
Valentia	953	9213	003		

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

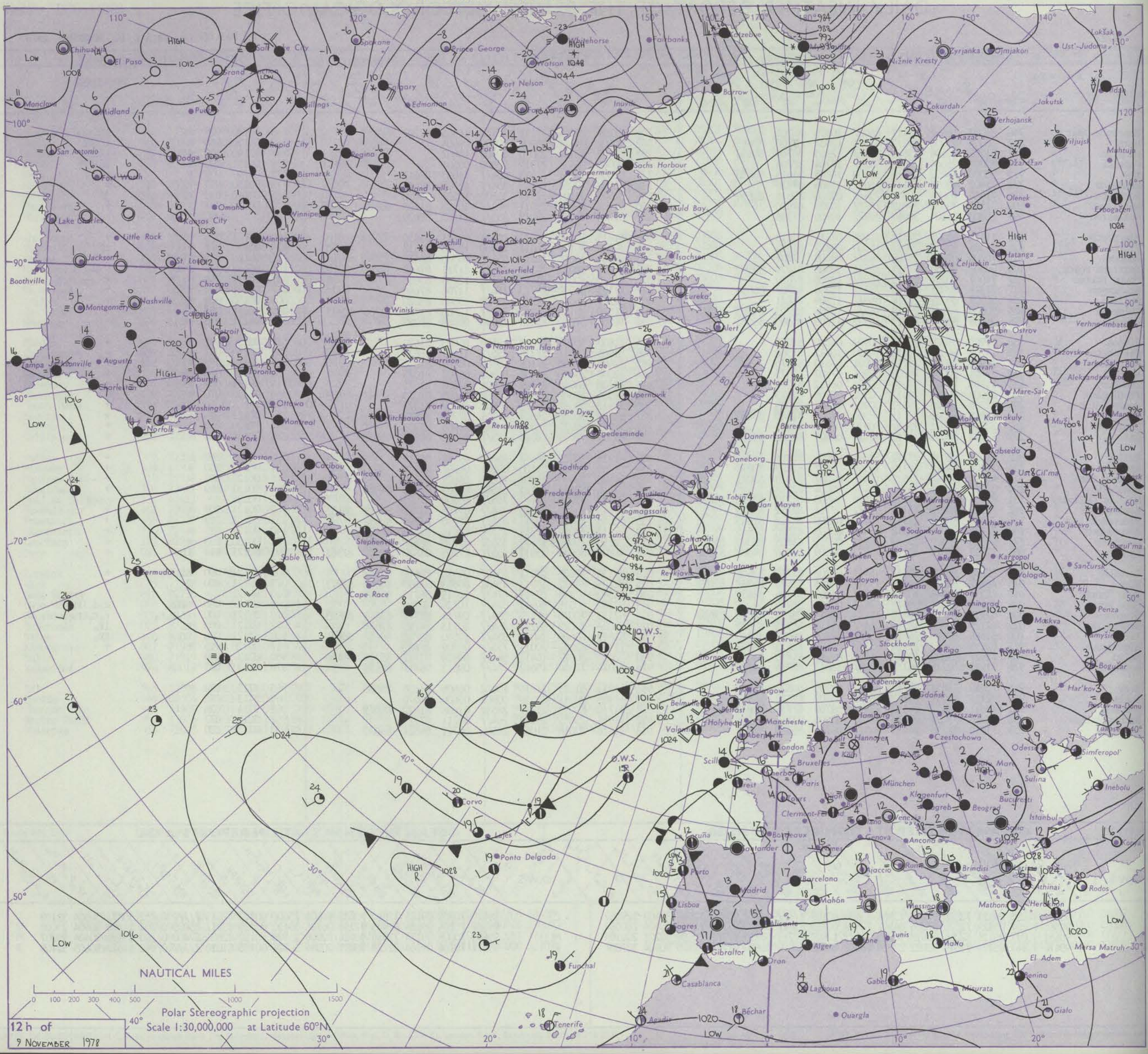
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Ndd$_f$f	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	09121	72810	97278	13904	63450	00109	/////	/////	05851	10864	30403	32908
L	99568	70207	09124	72820	97806	04507	784//	00125	83312	86640	0//51	11203	30404	26008
M	99651	70017	09124	82006	95618	90905	874//	12621	87711	88715	0//05	10686	30201	20010
R	99470	70167	09124	71819	98022	23914	68502	00608	82820	86640	0//10	11585	30604	32108

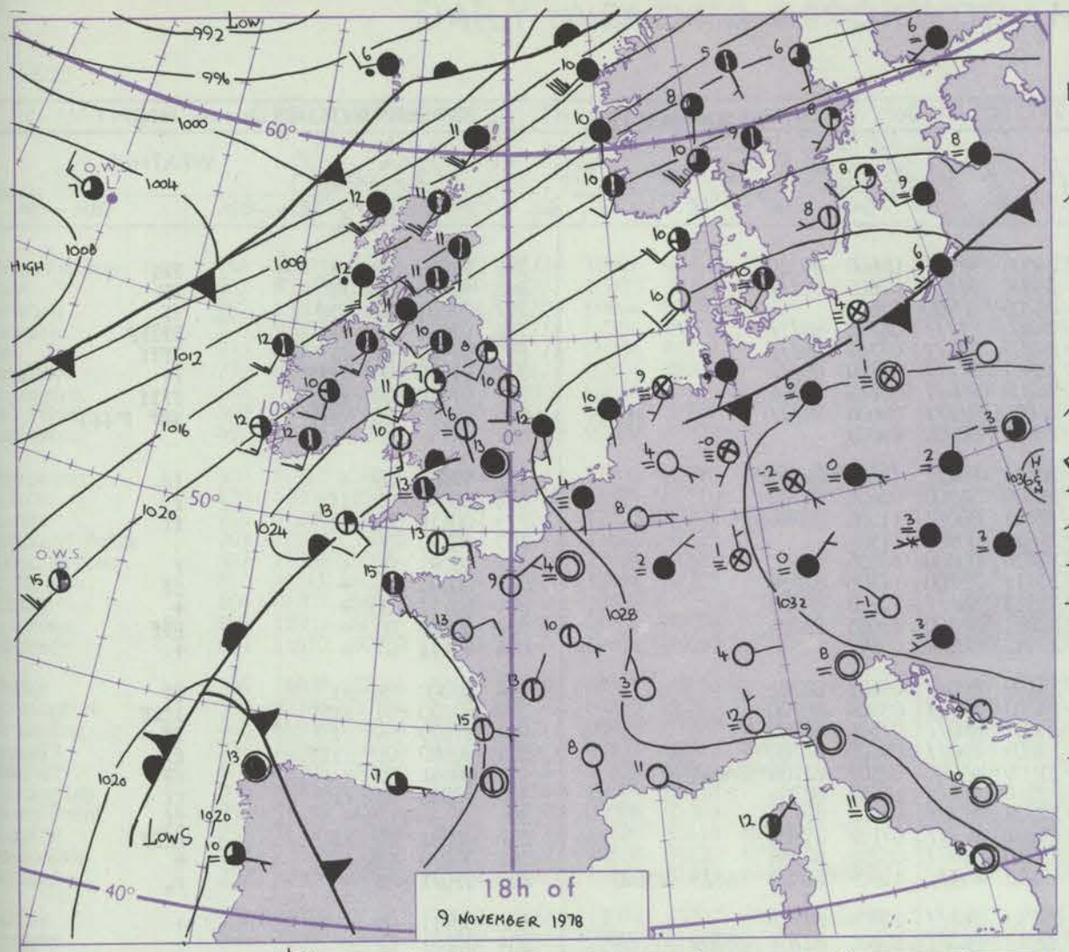
OCEAN WEATHER STATION REPORTS at 18h.

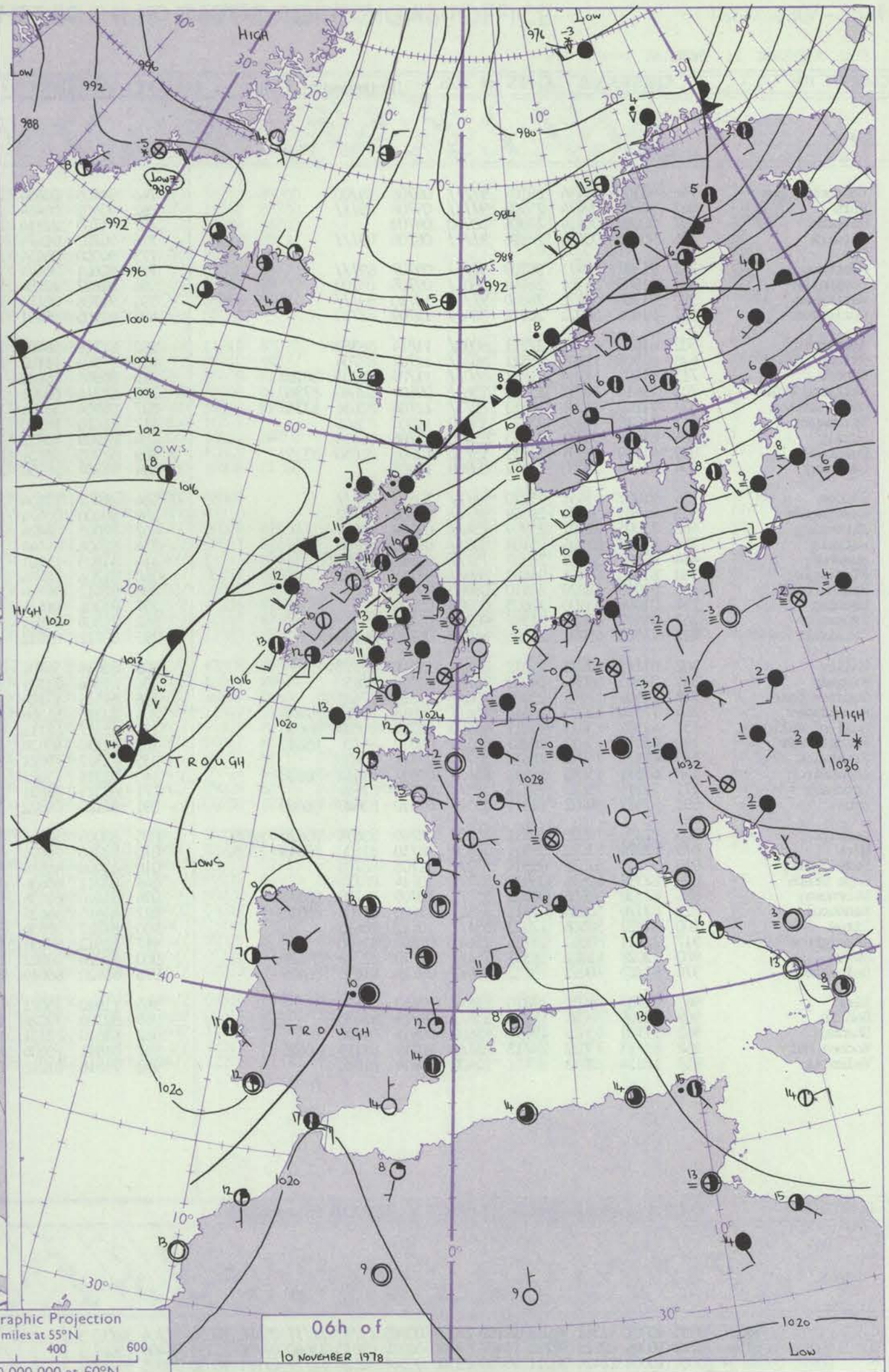
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Ndd$_f$f	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	09181	72810	98028	16005	75600	00213	87643	/////	05752	10871	30504	32109
L	99569	70204	09184	62915	97258	06706	59432	00120	83912	85075	0//01	11195	30404	25008
M	99653	70009	09184	72518	98026	92906	25570	00110	82620	87458	0//03	10691	30404	99/07
R	99471	70166	09184	32123	98011	20314	38502	00705	81820	/////	0//11	11577	30605	32108

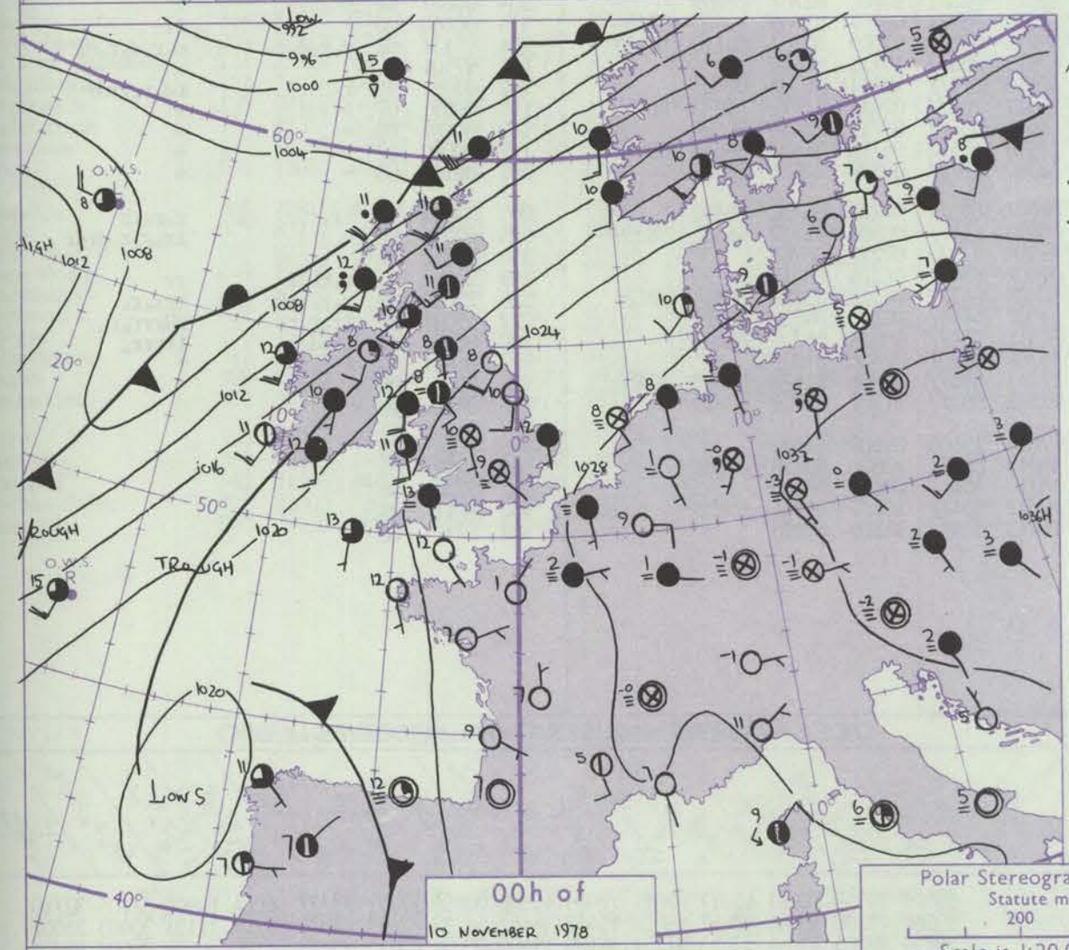
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 10 NOVEMBER 1978

During the past 24 hours the anticyclone over central Europe has persisted while a cold front with waves has approached the British Isles from the northwest. Meanwhile a trough associated with a low near Portugal has affected southwest England.

During the next 24 hours the cold front is expected to continue its slow movement southeastwards while the Continental high extends a ridge into southern Britain.

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

Code FM 11.V — OBSERVATIONS at 00h. — 10 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
Boscombe Down	746	91105	01454	26109	9////	09708	89/00		
Hurn	862	90602	00474	25909	9////	09708	89///		
Manston	797	00000	00424	27006	00900	06709			
Gatwick	776	90801	00454	26806	9////	06708	89///		
Kew									
Heathrow	772	91301	00471	26209	9////	09707	89///		
Honington	586	81609	04461	26409	860//	09708	88700		
Wattisham	590	91706	03472	26810	9////	10710	89///		
Gorleston	497	81806	56022	26912	864//	11709	88710		
Aberporth	502	61622	60051	22211	6093/	11814	86360		
Filton	628	81505	12104	25511	862//	11707	88704		
Rhoose	715	81107	14284	24811	860//	11709	85701	88703	
Hartland Point	703	71614	74031	23013	2563/	09609	82640	87360	
Mount Batten	827	71209	35101	24413	2573/	12706	82656	87359	
St.Mawgan	817	31310	45051	23712	35600	11808	83645		
Scilly	804	61907	50031	23113	65400	12706	86614		
Culdrose	809	41510	57051	23813	15730	12808	81650	83359	
Guernsey	894	01406	56050	24812	00900	11809			
Elmdon	534	91607	05451	25210	9////	10810	89///		
Cardington	559	91703	04474	26009	9////	09608	89/02		
Wittering	462	72005	22101	25909	754//	09609	87614		
Watnall	354	82407	01464	25109	860//	09710	88700		
Shawbury	414	70802	35101	24307	757//	06612	87650		
Finningley	360	81605	04464	24407	860//	07711	88701		
Spurn Point	396	01913	58020	24910	00900	09711			
Leeming	257	01006	35100	23605	00900	05506			
Tynemouth	262	01910	69020	21307	00900	05712			
Carlisle	222	71803	65031	20608	65632	06716	86634		
Valley	302	81819	62021	21812	864//	11717	88713		
Ringway	334	21705	30040	24309	25700	07709	82650		
Squires Gate	318	71408	37101	23008	756//	07813	87633		
Ronaldsway	204	72114	82032	20612	754//	10818	82711	87628	
Mull of Galloway	131	42332	83011	19211	48500	08717	81820	84630	
Eskdalemuir	162	62015	75012	20109	683/2	08810	84709	85822	
Prestwick	135	62113	75012	18610	5573/	07711	85650		
Abbotsinch	140	62112	75012	17911	654//	07607	81618	86628	
Leuchars	171	72215	75022	16911	755//	05507	87626		
Dyce	091	82312	80022	14011	3552/	07810	83620	88460	
Lerwick	005	82335	70036	05511	7547/	08709	83618	85628	88360
Wick	075	62024	82022	09311	3553/	08710	81620	83645	85362
Sule Skerry	010	82335	57636	05911	872//	11708	88705		
Cape Wrath	049	82334	60616	03910	874//	10714	88715		
Stornoway	026	82130	58636	06111	853//	10709	84708	88615	
Benbecula	022	82126	58636	07611	7732/	11605	87708	88515	
Tiree	100	81827	58586	12012	854//	10712	88615		
Aldergrove	917	21911	80011	18708	15641	07606	81630		
Malin	980	72028	81022	14311	754//	07710	82716	87624	
Belmullet	976	61823	70012	13712	1567/	09710	81635	86459	
Birr	965	81707	80031	19810	856//	07613	88636		
Dublin	969	52205	70031	19810	556//	07721	85630		
Shannon	962	11709	80011	19110	15600	08614	81630		
Roches Point	952	81713	75022	20712	854//	10719	82715	88625	
Valentia	953	12014	82011	18711	12400	09614	81818		

OBSERVATIONS at 06h. — 10 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
	746	91405	00434	24008	9////	08608	89/00		
	862	93602	00454	23807	9////	07605	89///		
	797	01709	22114	24705	00900	05611			
	776	90702	01474	24506	9////	06710	89///		
	775	90000	00454	24207	9////	07707	89///		
	772	90601	00474	23907	9////	07709	89///		
	586	81607	12284	24208	860//	08612	88701		
	590	91706	02474	24608	9////	08606	89///		
	497	01905	50051	24611	00900	09609			
	502	81716	56101	20811	864//	11301	88714		
	628	51505	11102	23509	56200	09604	85703		
	715	80905	10102	22611	860//	11506	88701		
	703	01914	60021	21412	00900	11504			
	827	00904	35101	22410	00900	10505			
	817	21610	18100	21711	25700	11505	82650		
	804	81909	48022	21513	864//	12503	88711		
	809	51905	50101	22011	56200	11605	85704		
	894	01707	58050	22912	00900	09607			
	534	81907	10104	23109	860//	09607	88701		
	559	90000	00474	24203	9////	03504	89/00		
	462	82005	06424	23607	860//	07506	88700		
	354	82406	04444	22809	860//	09605	88700		
	414	41803	18101	21909	45200	09502	81705	84645	
	360	81706	12284	22210	862//	10507	88704		
	396	92012	06454	22909	9////	09708	89///		
	257	91306	01474	21307	9////	07102	89/00		
	262	71809	61021	19210	7097/	08708	87358		
	222	82212	65022	17913	855//	11609	82620	86623	88640
	302	82019	56101	19713	863//	12808	88707		
	334	81806	23101	22311	863//	10701	82707	88709	
	318	61511	17104	21009	652//	09707	81703	83625	85656
	204	82115	56206	18413	853//	12709	82707	84710	88633
	131	82317	62211	17911	856//	10710	88630		
	162	82110	40636	17410	871//	10611	86702	88705	
	135	72312	75021	16311	754//	07612	81618	83635	86650
	140	62318	75021	15611	654//	08711	82616	86624	
	171	62319	82031	14910	45502	06710	81620	84645	85075
	091	82120	80022	12310	2572/	09808	82656	88462	
	005	83005	50616	07707	853//	07227	85708	88620	
	075	82316	75601	08410	6547/	08501	83712	86632	88359
	010	83408	48616	09308	873//	07222	88706		
	049	83211	60636	09607	874//	06224	88715		
	026	83410	60636	10507	853//	06323	83707	86614	88628
	022	83415	56636	11007	4742/	06228	84712	88527	
	100	81827	50636	10511	854//	10604	86715	88622	
	917	12012	80031	16709	00901	07506	81075		
	980	82026	80022	12711	3557/	07701	81623	83648	88459
	976	81920	60616	12512	863//	11501	86709	88715	
	965	11910	75021	17310	15600	07609	81630		
	969	82108	70026	18012	854//	10608	83716	87634	
	962	61610	82031	16710	656//	08607	86635		
	952	51811	70036	19012	554//	10507	81714	85630	
	953	71816	81018	16413	724//	11505	87818		

OBSERVATIONS during NIGHT

Station	iii	$RRT_n T_n E$	$T_g T_g$	WEATHER 21h.—03h.	WEATHER 03h.—09h.
	746	91080	08	FF	FFf
	862	92070	06	FF	FF
	797	92031	01	FFf	fF
	776	91041	02	FF	FffFF
	775	97070	00	FF	FFff
	772	97070	04	ifFF	FF
	586	97070	04	ifff	FFff
	590	00070	06	ffFF	~~FFF~~ FfffF
	497				
	502	97091	09	+	id_o
	628	00080	02	iff	f
	715	00110	06	ff	ff
	703	00110	09		
	827	00091	05	+	F
	817	00091	06	+	ff
	804	00111	10	+	+
	809	00081	05	+	FFf
	894	97111	07	+	+
	534	00080	06	ff	ff
	559	97020	51	ffFF	ifFF
	462	97070	04	ff	ff
	354	00080	00	ffFF	ff
	414	00041	51	+	fF
	360	00030	51	ff	ff
	396		+		ff
	257	00041	01	if	ffFF
	262	00070	05	+	+
	222	97071	02	+	r_o
	302	00111	09	+	+
	334	00081	06	+	+
	318	00060	00	+	if
	204	94111	08	$d_o r_o d_o r_o$	$d_o r_o d_o r_o d_o$
	131	97101			
	162	03081	05	r_o	$rd_o r_o rrdr$
	135	00091	07	+	+
	140	00101	08	+	+
	171	00090	07	+	+
	091	00101	08	+	+
	005	03061	05	ir_o	$r_o r_o rr$
	075	02071	06	+	$ir_o r_o r_o drdr$
	010	15052	06		
	049	24052	05	$r_o r_o rr$	rr
	026	25062	06	$r_o r_o rrRr$	$rrr_o r_o$
	022	19071	06	$ir_o r_o rr$	$RRrrr_o r_o$
	100	08081	07	$ir_o d_o r_o$	$irrrr_o$
	917	00071	05	+	+
	980	0010	09		
	976	0410	10		
	965	0008	05		
	969	9708	01		
	962	9708	06		
	952	9711	09		
	953	9711	08		

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	10001	42312	98011	17106	25530	00703	/////	/////	05401	10854	3//04	32/10
L	99568	70202	10004	62818	98258	11407	58402	00222	83815	83640	0//50	11199	30404	25007
M	99654	70008	10004	22424	98011	93705	25500	00307	82620	/////	0//01	10658	30505	99/07
R	99470	70169	10004	61926	98021	16515	65600	00730	86640	/////	0//12	11533	30707	32106

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	10061	42017	97011	11909	45600	00835	/////	/////	00004	10900	3//05	32/10
L	99568	70200	10064	42617	98018	15408	38402	00222	82815	84075	0//01	11151	30403	25007
M	99654	70005	10064	52433	97251	94105	59400	00702	83915	85620	0//00	10680	30607	99/04
R	99471	70168	10064	83224	97616	14014	4747/	00507	84710	88460	0//13	11522	31102	19710

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. 42723

Date of Issue SATURDAY 11 NOVEMBER 1978

Code FM 11.V

OBSERVATIONS at 12h. 10 November 1978

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	91603	01454	24110	9////	10806	89/00		
Hurn	862	90302	01454	24010	9////	10805	89/01		
Manston	797	13204	28400	24611	16200	09804	81703		
Gatwick	776	93302	01454	24807	9////	07706	89/02		
Kew	775	82401	07424	24309	862//	09806	88703		
Heathrow	772	82501	06424	24109	861//	09804	88702		
Honington	586	01905	45054	24110	00900	07806			
Wattisham	590	72206	06424	24607	760//	07706	87700		
Gorleston	497	12008	12284	24210	12500	07707	81825		
Aberporth	502	81812	58055	21813	854//	11003	82710	86618	88630
Filton	628	12004	35054	23415	18400	11805	81810		
Rhoose	715	61206	08414	22912	660//	12705	82701	86702	
Hartland Point	703	72108	56021	22213	755//	11801	87625		
Mount Batten	827	11506	50054	22716	11500	13804	81820		
St.Mawgan	817	21511	40054	22314	26300	12804	82708		
Scilly	804	01707	58021	22016	00900	13602			
Culdrose	809	12009	40054	22513	16300	11804	81709		
Guernsey	894	11610	50050	23413	15700	10802	81650		
Elmdon	534	31809	57044	22813	35700	08807	83650		
Cardington	559	82105	20104	24009	862//	09805	88705		
Wittering	462	61908	35054	23510	662//	08805	83703	85704	
Watnall	354	72107	24054	22511	754//	09807	82710	87650	
Shawbury	414	71505	30044	22213	6543/	10801	85618	84650	
Finningley	360	71907	28042	21812	7093/	10704	87358		
Spurn Point	396	51910	12054	22511	50970	09806	85360		
Leeming	257	71710	40044	20413	754//	10605	85614	87645	
Tynemouth	262	72012	56052	18813	4563/	10808	84630	87358	
Carlisle	222	72408	62215	18912	783/2	11005	82709	84618	86640
Valley	302	82016	35502	20913	853//	13004	83707	86708	88618
Ringway	334	72008	28042	22212	754//	09004	81618	87645	
Squires Gate	318	81607	35101	21311	854//	10002	85618	88640	
Ronaldsway	204	72313	72032	19213	15408	11001	81713	86275	
Mull of Galloway	131	72324	82022	18612	785//	10002	81820	87625	
Eskdalemuir	162	72014	68026	18211	38432	09207	82818	83365	87075
Prestwick	135	82212	59606	17212	4542/	10207	82618	83640	88459
Abbotsinch	140	82317	57586	16311	5547/	10304	81712	85616	88458
Leuchars	171	72318	70212	15912	6552/	07112	81620	83630	86656
Dyce	091	72013	81032	13811	3547/	08301	81615	83645	86359
Lerwick	005	72811	82016	12107	16478	04118	81710	83359	87270
Wick	075	83212	70636	14907	6532/	05227	82707	84711	88550
Sule Skerry	010	82710	84156	14609	5247/	05226	85815	88358	
Cape Wrath	049	72802	84016	15306	32578	05212	83820	85360	87270
Stornoway	026	72305	82156	16507	784//	07126	81814	85638	86657
Benbecula	022	73310	75156	17108	784//	05228	81815	84630	87640
Tiree	100	73213	70616	16408	6547/	07225	81710	83615	85635
Aldergrove	917	72211	72011	18211	6542/	10311	81614	86626	87462
Malin	980	83613	59616	16910	7742/	09228	83712	87715	88556
Belmullet	976	80114	56616	17909	864//	09226	84710	88717	
Birr	965	72007	82021	19414	38502	09109	81821	83636	86070
Dublin	969	62213	84031	19115	15632	08002	81635	86070	
Shannon	962	71906	84032	18814	58506	10109	81820	83625	87270
Roches Point	952	22005	75031	20015	18402	12205	81817		
Valentia	953	71615	70028	18414	784//	12210	86818	86630	

OBSERVATIONS at 18h. 10 November 1978

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{app}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	91502	01474	24610	9////	10212	89/00		
862	83501	03424	24411	860//	11310	88700		
797	62604	04421	25207	66211	07308	86703		
776	90000	00454	24908	9////	08210	89///		
775	90000	00454	24909	9////	09309	89///		
772	92201	02474	24509	9////	09308	89///		
586	91905	02470	24806	9////	06312	89/02		
590	92106	00474	24706	9////	06208	89///		
497	01906	48050	24309	00900	08210			
502	81810	56052	23012	854//	11315	83710	88620	
628	90000	00470	24109	9////	09310	89///		
715	60802	20114	23411	652//	10308	81704	86615	
703	10000	40050	22912	10940	10309	81360		
827	20000	50051	23411	26300	11212	82707		
817	01209	30100	23011	00900	10307			
804	81506	36101	22713	861//	13211	88702		
809	00000	16100	23211	00900	10309			
894	11507	50050	23511	10930	10208	81360		
534	01904	18111	23609	00900	08307			
559	01905	20101	24108	00900	07310			
462	11907	15101	23809	15700	08309	81650		
354	72405	20051	23511	754//	09311	87617		
414	71902	30042	23212	754//	11314	81617	83628	87650
360	71906	20041	22511	757//	09312	87650		
396	71906	25052	23211	7093/	09312	87360		
257	71506	30042	21712	755//	10214	87624		
262	72003	56052	20612	7097/	10215	87358		
222	82308	56216	20511	853//	11213	82708	84710	86618
302	82112	40106	22313	852//	12308	84703	88628	
334	81904	15212	23012	855//	10314	88626		
318	62006	30106	22410	15732	10214	81650	83362	85070
204	72408	60032	21313	753//	11317	81706	87630	
131	82317	80036	20312	5542/	11319	82710	85620	88459
162	82205	35606	20510	873//	10317	88706		
135	73102	62616	20010	754//	09324	81710	87645	
140	72806	65026	19410	4547/	09324	82712	84642	86359
171	83304	60216	19511	6542/	09228	82616	83630	86656
091	73306	70026	20207	754//	06230	82711	87616	
005	72809	80038	17107	7843/	04226	82815	87645	
075	12909	82016	19703	15630	02227	81640		
010	52909	84018	18908	2946/	03223	82915	85358	
049	53205	82018	19207	595//	02222	84920	85625	
026	22405	80258	20304	25600	03220	82630		
022	30105	86038	21205	38400	03314	82818		
100	13310	84016	21106	18400	03225	81818		
917	83606	65516	20909	872//	09322	81703	84707	88713
980	70409	83606	21209	764//	07120	85715	86622	
976	70411	70016	20610	754//	07213	83717	86636	
965	71705	80022	20912	556/2	09316	85636	84070	
969	72103	62102	21012	15632	09314	81640	83360	87070
962	41505	80031	20512	25632	11218	82640		
952	81402	50101	21713	863//	12318	88708		
953	71408	70022	20213	754//	12218	81713	87645	

OBSERVATIONS during DAY

iii	RRT×T×E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00110	000	[illegible]FFFff	iffFF
862	00120	000	FFf	fFFFfFF
797	97121	061	iff	iFFfF
776	90081	000	FF	FF
775	97090	000	fFF	fFF
772	00090	000	FFfFif	fFF
586	00110	058	if	fF
590	00100	029	FfFf	fFFff
497		062		
502	00131	000	+	+
628	00150	041	+	iffFfiff
715	00130	002	fFfFif	f
703	00140	051		
827	00171	066	+	+
817	00151	050	ff	+
804	00161	034	+	f
809	97151	067	f	FF
894	97141	082	+	+
534	00140	032	+	iffF
559	97120	030	Fff	fFF
462	00120	033	f	ff
354	00130	000	f	f
414	00131	002	+	ifiF
360	00130	001	+	+
396			ff	+
257	00141	009	f	+
262	00140	000	+	+
222	01141	003	$i r_o d_o r_o d r r_o r_o$	$r_o r_o d_o r_o - r_o$
302	01131	001	$i d_o i r$	+
334	97131	005	+	r_o
318	93121	000	$d_o r_o r r_o r_o$	+
204	97141	013	+	r_o
131	97131			
162	01121	003	$d_o r_o d_o r_o r_o$	$i r_o r_o r_o d_o r_o$
135	01121	001	$r_o r_o d_o r_o r_o$	$i r_o r_o r_o$
140	02121	001	$d_o r_o r_o r_o$	$r_o r_o$
171	93121	000	$r_o i r_o$	$r_o r_o d_o r_o$
091	93111	000	$r_o r_o$	$r_o r_o$
005	92071	005	$r_o r_o$	$p r_o$
075	02071	000	$d r d r r r r_o r_o$	+
010	02121			
049	02072	007	r r p r	$p r_o$
026	96081	030	$r_o r_o$	$p r_o$
022	92091	017	$r_o p r_o$	$p r_o$
100	02091	005	$r_o r r_o r_o$	+
917	96131	001	+	$r_o r_o d_o d_o$
980	0311	000		
976	0810	000		
965	0014	008		
969	0016	031		
962	9715	011		
952	9715	040		
953	9214	000		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

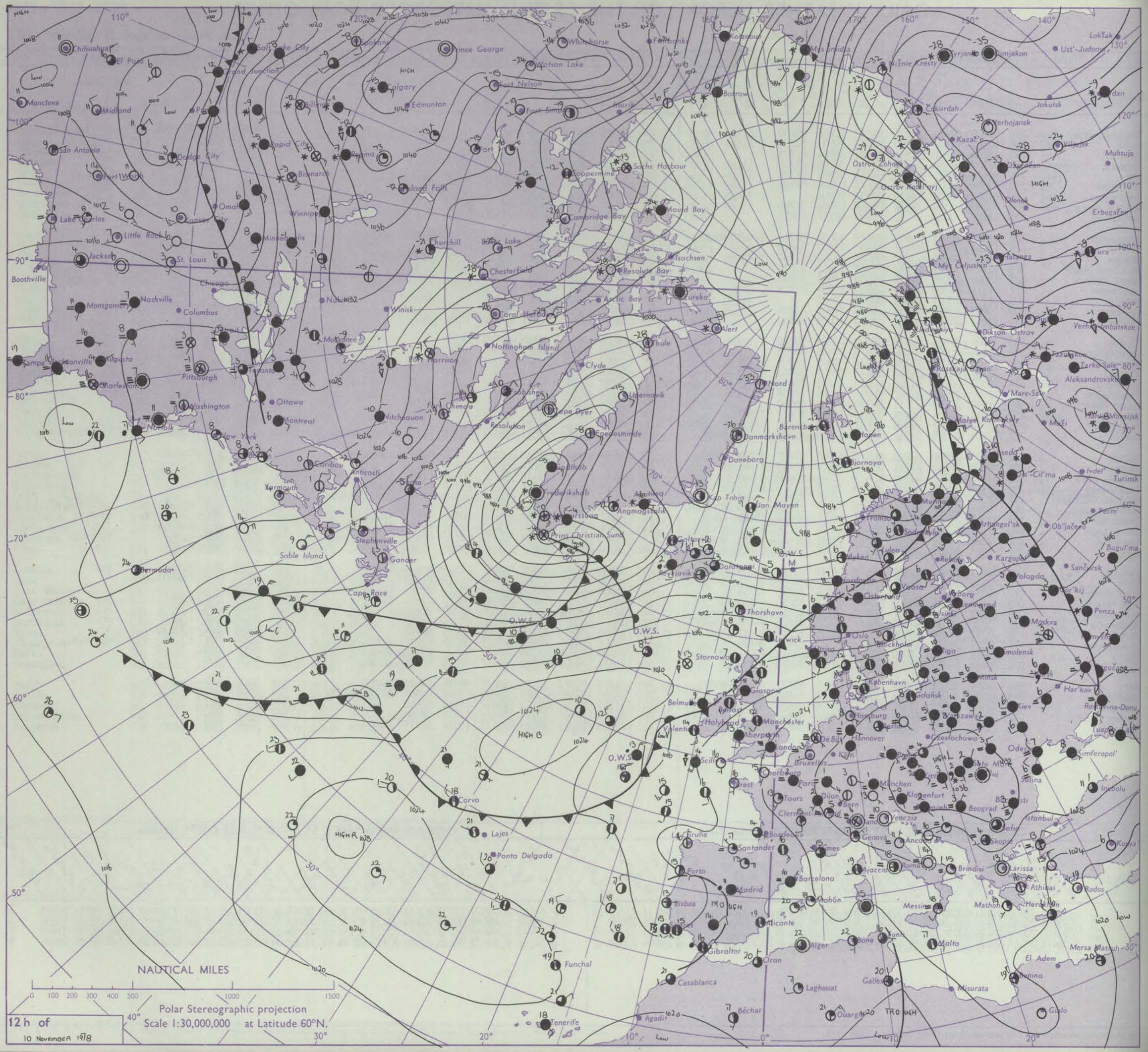
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	10121	82020	97021	07410	5551/	00716	85626	/////	00307	10904	31111	/////
L	99568	70198	10124	62515	98277	18108	58401	00106	83815	84635	0//02	11158	30403	22007
M	99655	70009	10124	42738	98018	98505	49400	61325	82915	84620	0//51	10691	30810	/////
R	99471	70167	10124	53520	97016	17514	42430	00118	84816	84360	0//11	11531	30504	25008

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	10181	82020	95636	00710	8742/	00640	/////	/////	00409	10876	31111	20313
L	99569	70196	10184	72125	98038	16709	754//	00706	81715	87625	0//04	11166	30505	18008
M	99657	70011	10184	32824	97151	05504	39400	71238	81915	83818	0//53	10673	30707	27909
R	99472	70165	10184	70117	98026	18713	58504	00312	82820	84640	0//10	11564	30606	29206

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
10 NOVEMBER 1978
HIGH
Low
HIGH B
HIGH R
TROUGH
O.W.S.
Chihuahua
El Paso
Manclova
Midland
San Antonio
Fort Worth
Dodge City
Grand Junction
Salt Lake City
Spokane
Prince George
Whitehorse
Watson Lake
Fort Nelson
Calgary
Edmonton
Billings
Rapid City
Regina
Bismarck
Winnipeg
Omaha
Kansas City
Minneapolis
Lake Charles
Little Rock
Jackson
St. Louis
Boothville
Chicago
Nashville
Montgomery
Columbus
Detroit
Toronto
Pittsburgh
Washington
Norfolk
Charleston
Augusta
Jacksonville
Tampa
Ottawa
Montreal
New York
Boston
Caribou
Anticosti
Yarmouth
Stephenville
Gander
Sable Island
Bermuda
Cape Race
Corvo
Lajes
Ponta Delgada
Funchal
Tenerife
Fairbanks
Barrow
Kotzebue
Mys Šmidta
Nižnie Kresty
Verhojansk
Jakutsk
Čokurdah
Ostrov Zohova
Ostrov Kotel'nyj
Kazat'e
Olenek
Tiksi
Ust'-Judoma
Lokšak
Muhtuja
Erbogačen
Tatanga
Dikson Ostrov
Russkaja Gavan'
Mare-Sale
Tarko Sale
Aleksandrovsk
Malye Karmakuly
Amderma
Vorkuta
Ivdel'
Turinsk
Ust'-Cil'ma
Perm'
Ob'jačevo
Arhangel'sk
Sančursk
Vologda
Kargopol'
Penza
Maskva
Smolensk
Minsk
Har'kov
Kiev
Simferopol'
Inebolu
Sinop
Konya
Istanbul
Beograd
Skopje
Larissa
Athinai
Rodos
Herakleion
Brindisi
Roma
Ajaccio
Messina
Malta
Misurata
Gabes
Gerba
Mersa Matruh
El Adem
Giulo
Barcelona
Mahón
Alicante
Madrid
Lisboa
Porto
Santander
La Coruña
Bordeaux
Gibraltar
Oran
Alger
Bone
Sunis
Casablanca
Laghouat
Béchar
Agadir
Quargla
Tours
Paris
Dijon
Bern
Clermont-Ferrand
Cherbourg
Brest
Bruxelles
Köln
Hannover
Berlin
Frankfurt
München
Klagenfurt
Venezia
Genova
Ancona
Roma
Napoli
Bari
Brindisi
Skopje
Sofia
Bucuresti
Odesa
Constanta
Simferopol'
Inebolu
Konya
Larissa
Athinai
Rodos
Herakleion
Malta
Misurata
Gerba
Gabes
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Ghadames
Gialo
Mersa Matruh
El Adem
Tobruk
Benina
Derna
Tripoli
Sfax
Tunis
Bone
Alger
Oran
Gibraltar
Alicante
Mahón
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Lisboa
Porto
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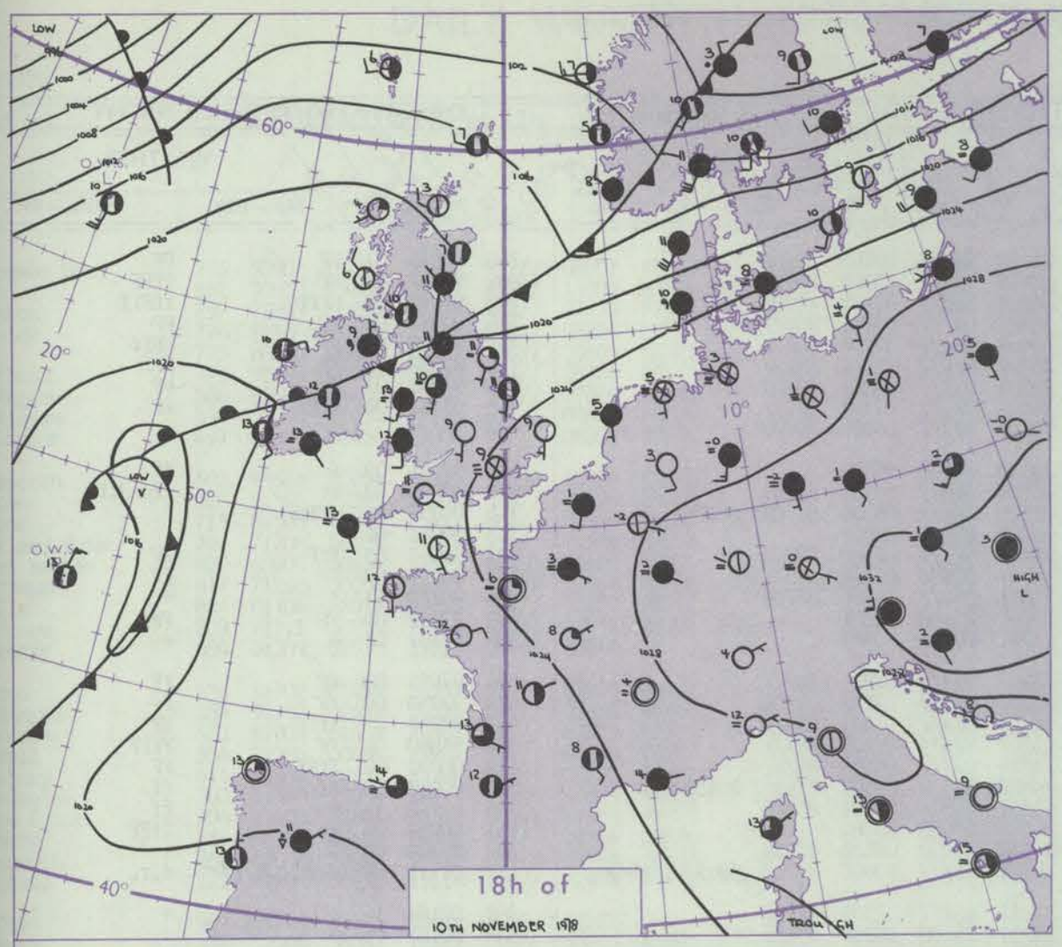
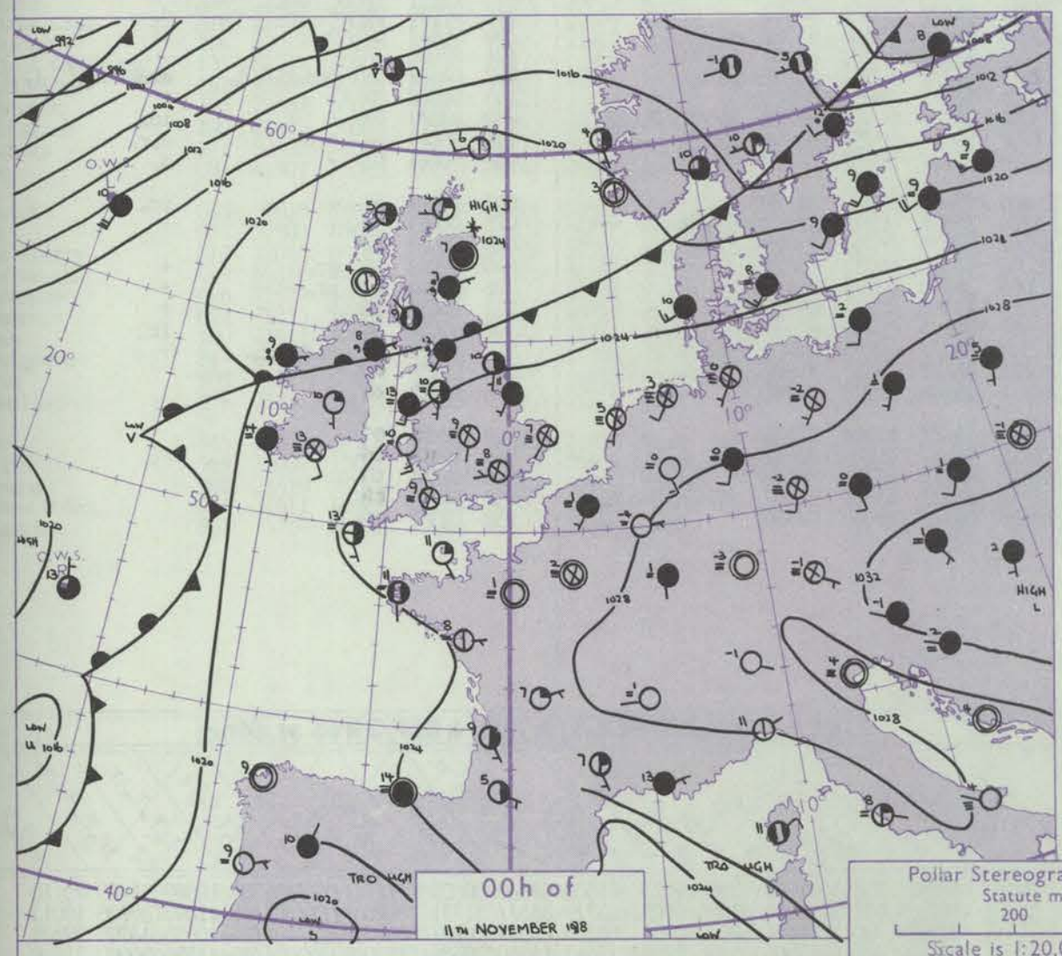
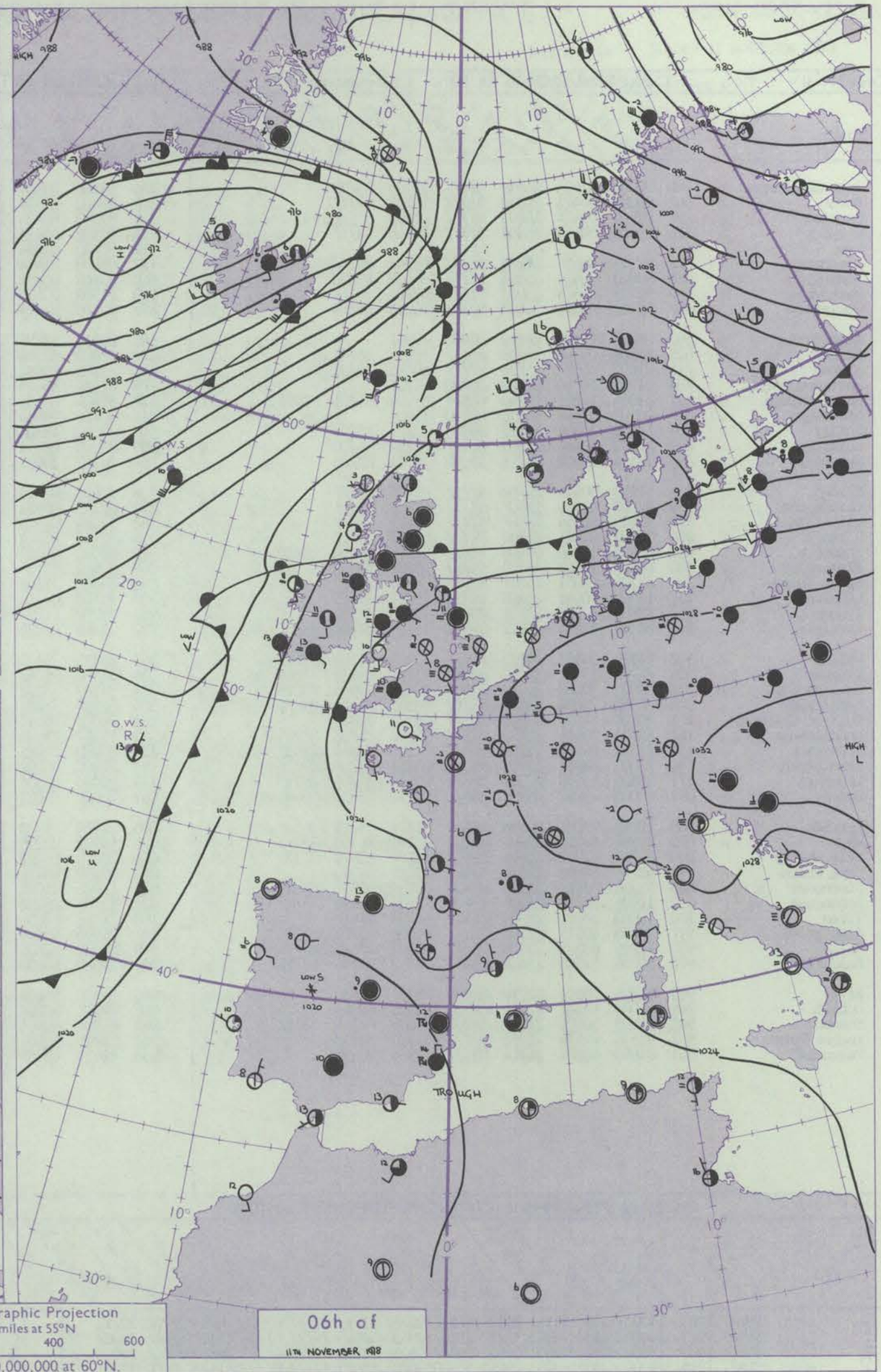
La Coruña
Bordeaux
Toulouse
Nice
Marseille
Ajaccio
Roma
Napoli
Brindisi
Messina







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 11 NOVEMBER 1978

The anticyclone over central Europe has remained slow-moving. A cold front across Norway and north Scotland to a shallow wave depression about 300 miles southwest of Ireland has moved very slowly southeast and now lies across southern Scotland and Northern Ireland. A complex depression over southern Greenland has transferred to western Iceland.

During the next 24 hours the low complex near western Iceland will persist and, with the maintenance of the European anticyclone, will bring strengthening southerly airstream into western parts of the British Isles.

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

Code FM 11.V

OBSERVATIONS at 00h. 11 November 1978

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	90000	01454	26509	9////	09106	89/00		
Hurn	862	90202	00474	26010	9////	10102	89///		
Manston	797	91902	00474	26605	9////	05304	89///		
Gatwick	776	90000	00454	26807	9////	07104	89///		
Kew									
Heathrow	772	92503	00454	26208	9////	08204	89///		
Honington	586	92003	00474	25806	9////	06400	89/00		
Wattisham	590	92205	00474	26007	9////	07104	89///		
Gorleston	497	92402	00454	25807	9////	06206	89/00		
Aberporth	502	01614	12101	24210	00900	10301			
Filton	628	81807	09444	25910	861//	10002	88702		
Rhoose	715	91005	00474	25710	9////	10106	89/00		
Hartland Point	703	01705	58050	25109	00900	07207			
Mount Batten	827	61004	12281	25208	660//	08004	81701	86706	
St.Mawgan	817	00907	01464	25010	00900	10204			
Scilly	804	51506	30104	24613	56200	13205	85704		
Culdrose	809	60902	00444	25209	660//	09104	86700		
Guernsey	894	21404	35050	25211	26300	10304	82708		
Elmdon	534	91902	00474	25709	9////	09308	89///		
Cardington	559	92503	00474	25807	9////	07102	89/01		
Wittering	462	92609	00454	25807	9////	07205	89///		
Watnall	354	92507	00471	25208	9////	08007	89///		
Shawbury	414	60902	11284	24908	656//	08108	81630	86650	
Finningley	360	61503	12102	24309	657//	08208	86656		
Spurn Point	396	82204	20051	24811	8097/	09206	88360		
Leeming	257	12402	40041	23909	10930	08307	81363		
Tynemouth	262	72004	61022	23111	7097/	10210	87359		
Carlisle	222	82305	32516	22912	872//	11210	83704	84707	88711
Valley	302	81910	30102	24113	852//	13206	85704	88615	
Ringway	334	71702	25042	24712	754//	11207	84613	87618	
Squires Gate	318	51905	30102	24210	35601	10206	83646	83075	
Ronaldsway	204	70302	70036	23311	55202	09307	81704	83656	87273
Mull of Galloway	131	80108	84022	23010	855//	08208	88625		
Eskdalemuir	162	82004	30506	22710	871//	10207	86702	88704	
Prestwick	135	73302	80026	22909	754//	07208	82615	83632	87645
Abbotsinch	140	70000	68031	22806	753//	05211	81707	87638	
Leuchars	171	80406	65586	23307	863//	05111	84707	88710	
Dyce	091	80000	75022	23207	856//	05210	83630	88640	
Lerwick	005	12610	75028	20606	18400	01211	81815		
Wick	075	32504	82021	22604	10932	01108	81360	83072	
Sule Skerry	010	82702	82032	21608	32507	05209	83820	88275	
Cape Wrath	049	42706	84028	22307	42500	02211	84820		
Stornoway	026	52304	82018	22305	38430	03204	81817	83649	
Benbecula	022	11806	86020	22304	15600	02801	81630		
Tiree	100	10000	84011	22904	18401	02203	81818		
Aldergrove	917	80605	40535	23208	861//	08106	83702	88708	
Malin	980	71205	83026	22808	756//	05103	87630		
Belmullet	976	80706	57586	21409	863//	09803	86706	88712	
Birr	965	21706	70011	22910	25630	09307	82630		
Dublin	969	40000	62101	22811	40930	09305	84359		
Shannon	962	41103	56101	22410	36202	10206	81705	83712	
Roches Point	952	91508	07474	22813	9////	13303	89/00		
Valentia	953	81603	60102	21714	856//	13306	88630		

OBSERVATIONS at 06h. 11 November 1978

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	91304	01454	26508	9////	08105	89/00		
	862	90402	01474	25910	9////	10101	89///		
	797	82803	07424	26807	862//	07102	88705		
	776	93601	01434	26608	9////	08701	89///		
	775	90000	03434	26607	9////	07204	89///		
	772	91603	00474	26208	9////	08001	89///		
	586	92103	00454	26206	9////	06001	89/01		
	590	92703	00434	26507	9////	07102	89///		
	497	92105	00454	26107	9////	06400	89/00		
	502	01714	12284	24310	00900	10500			
	628	80000	02504	26108	860//	08301	88701		
	715	81105	30104	25809	861//	09306	82702	88704	
	703	01510	05415	24309	00900	09801			
	827	90604	00454	24807	9////	07500	89/00		
	817	00704	00464	24707	00900	07302			
	804	81502	48102	24411	863//	11500	88709		
	809	00000	00424	24710	00900	10301			
	894	01207	30050	24711	00900	10801			
	534	91604	01434	25907	9////	07301	89///		
	559	92102	00434	26207	9////	07102	89/00		
	462	92004	00474	26107	9////	07303	89///		
	354	92405	00474	25707	9////	07202	89///		
	414	90000	00434	25304	9////	04500	89///		
	360	32602	15104	24809	35500	09303	81620	83650	
	396	80000	15102	25311	8097/	09203	88360		
	257	01407	01464	24406	00900	06104			
	262	32007	61021	23110	30930	09400	83359		
	222	71402	60026	22911	754//	10400	81712	83623	86643
	302	81812	35102	24312	862//	12302	88705		
	334	51804	30042	25211	55500	10202	85620		
	318	81303	35102	24511	854//	10301	88619		
	204	82207	57102	23312	861//	11305	85702	88703	
	131	70000	80015	23111	754//	10202	81710	87630	
	162	82107	25536	22710	871//	10000	85702	88705	
	135	80000	80022	22709	854//	08601	88616		
	140	82902	65022	23006	852//	06400	81703	84617	88622
	171	80000	38506	22607	860//	07707	84701	88702	
	091	80000	70022	22506	853//	06607	86709	88622	
	005	22207	81020	20305	28400	03806	81818		
	075	41902	82030	21304	15632	02711	81635	83360	
	010	52018	84022	20109	32570	06710	83820	85360	
	049	32309	84010	20005	35500	02712	83625		
	026	12606	81021	20003	15700	01714	81650		
	022	11808	86020	20004	18400	03613	81818		
	100	21812	82030	20604	00901	03715	82075		
	917	81905	40105	22310	860//	10805	82701	88704	
	980	81509	62506	20808	863//	08811	84707	87710	
	976	31508	64106	19211	35400	10713	81718		
	965	71708	56101	22211	756//	11804	87636		
	969	72302	40101	22511	756//	10804	87645		
	962	81204	40101	21611	857//	11705	88650		
	952	81208	50104	22713	863//	13501	82707	84713	88632
	953	81608	62038	20913	864//	13605	88710		

OBSERVATIONS during NIGHT

Station	iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–09h.
	746	91070	07	FF	FF
	862	91090	09	FF	ffFF
	797	91031	02	FFff	ffFif
	776	00071	08	FF	FF
	775	91070	07	FF	FFff
	772	91070	08	FF	FFf
	586	97060	05	FF	FF
	590	97061	06	ffFF	FF
	497				
	502	97091	09	f	ff
	628	97070	03	ff	ffd$_o$d$_o$ff
	715	00090	04	fFFff	f
	703	00081	06		
	827	00061	05	fff	FF
	817	00071	02	FF	FF
	804	00110	11	f	+
	809	97072	04	FF	FFf
	894	97101	05	+	+
	534	97051	03	FF	FF
	559	97050	00	FF	FF
	462	97061	03	ffFF	FF
	354	91060	01	FF	FFFF
	414	00031	02	ffFF	FF
	360	00060	03	ff	ff
	396			+	ff
	257	00051	04	+	fFFF
	262	00100	08	+	+
	222	01111	09	d$_o$d~~d$_o$r$_o$~~d$_o$r$_o$dr	d$_o$r$_o$
	302	00121	10	+	+
	334	00101	08	+	+
	318	97091	06	+	d$_o$
	204	00111	07	+	ff
	131	97091			
	162	04101	09	drd$_o$r$_o$d$_o$d$_o$	~~drdf~~ d$_o$d - drf
	135	00081	07	+	+
	140	97051	03	+	id$_o$
	171	95071	07	d$_o$r$_o$	d$_o$r$_o$
	091	97061	05	+	d$_o$
	005	97041	51	+	pr$_o$
	075	00011	53	+	+
	010	00061	04		
	049	92041	02	pr$_o$	+
	026	97031	00	pr$_o$	+
	022	00031	53	+	+
	100	97031	54	+	ir$_o$
	917	01081	07	d$_o$d$_o$ddd$_o$	+
	980	9707	05		
	976	0109	88		
	965	9708	04		
	969	9710	04		
	962	9709	97		
	952	9712	08		
	953	0111	06		

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	11001	82808	97216	00307	8742/	00212	/////	/////	05306	10885	3//02	20/12
	99570	70194	11004	82132	98022	12210	855//	00830	88625	/////	0//05	11102	30606	18007
	99658	70016	11004	82621	97031	08605	865//	00011	88720	/////	0//51	10670	30806	29804
	99471	70167	11004	63506	97032	19112	55630	00702	85633	/////	0//07	11526	30000	35707

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	11061	52909	97258	01505	53400	00205	/////	/////	05503	10869	3//03	20/10
	99568	70195	11064	82035	97022	05710	855//	51731	88628	/////	0//08	11093	30708	18012
	99659	70012	11064	82032	97021	05206	855//	00727	88620	/////	0//04	10655	30708	29803
	99470	70166	11064	30106	97021	17612	15540	00709	81630	83360	0//08	11556	30000	35808

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. 42724

Date of Issue SUNDAY 12 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 11 November 1978

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	90902	01434	26508	9////	08807	89/00		
Hurn	862	70913	19104	25911	752//	11809	83704	87607	
Manston	797	71803	50054	27309	763//	07803	87708		
Gatwick	776	81104	20104	27009	863//	08804	88706		
Kew	775	80000	06444	26709	860//	09805	88701		
Heathrow	772	91803	06434	26609	9////	09804	89///		
Honington	586	91606	01434	26707	9////	07804	89/01		
Wattisham	590	92006	01454	27208	9////	08801	89///		
Gorleston	497	91906	00454	27008	9////	08803	89/00		
Aberporth	502	41614	40104	24211	26230	10810	82705		
Filton	628	81506	12205	26309	862//	09806	88703		
Rhoose	715	81008	40052	25411	862//	09808	85705	88709	
Hartland Point	703	71206	56104	24311	756//	11806	87640		
Mount Batten	827	60903	40104	24413	68400	12809	83814	83650	
St.Mawgan	817	71210	30054	24113	752//	12807	82705	84707	87650
Scilly	804	81104	48022	23813	864//	12707	88712		
Culdrose	809	71111	18054	24113	4823/	12807	81705	84640	
Guernsey	894	01209	59050	24213	00900	08810			
Elmdon	534	91702	01434	26507	9////	07803	89///		
Cardington	559	92102	02434	26607	9////	07806	89/02		
Wittering	462	91904	01454	26307	9////	07803	89/02		
Watnall	354	92206	00454	25907	9////	07805	89///		
Shawbury	414	91504	03434	25508	9////	07808	89/02		
Finningley	360	11505	25054	24713	15700	10805	81656		
Spurn Point	396	11606	12054	25513	00901	11806	81075		
Leeming	257	81506	08424	24509	857//	09806	88650		
Tynemouth	262	62008	18051	23411	6097/	09805	86358		
Carlisle	222	72105	58032	23114	784//	12804	81712	87645	
Valley	302	01714	35101	23813	00900	12812			
Ringway	334	12206	36041	25312	00901	09805	81075		
Squires Gate	318	21609	28045	24413	15601	11808	81630		
Ronaldsway	204	72013	30106	23013	752//	12807	81704	83706	86709
Mull of Galloway	131	82118	20102	22412	862//	12705	88704		
Eskdalemuir	162	72007	40105	22811	763//	11804	85706	87712	
Prestwick	135	72107	60022	21912	754/1	11806	82710	86614	
Abbotsinch	140	80402	50505	21909	862//	08808	83705	86706	88707
Leuchars	171	82502	48056	21809	862//	08809	82705	84707	88709
Dyce	091	41809	75025	20310	36441	09815	83712		
Lerwick	005	52018	81028	17709	28401	05821	82815	85075	
Wick	075	51909	89021	18308	11431	05723	81816	84075	
Sule Skerry	010	72016	84012	17309	15501	07720	81620	87070	
Cape Wrath	049	62316	84011	16507	35505	51727	83625	86070	
Stornoway	026	71922	59501	16009	753//	07724	81706	83709	87615
Benbecula	022	71815	58505	15811	753//	10727	83706	85708	87622
Tiree	100	71919	58106	18312	5533/	11714	83708	85620	87359
Aldergrove	917	81805	17282	21611	860//	11708	81700	83701	88703
Malin	980	41817	58105	19112	45400	10813	81714	83640	
Belmullet	976	71817	70031	17313	784//	11715	83717	86637	
Birr	965	61607	59102	21214	554/2	11810	81717	85635	
Dublin	969	72004	75032	21915	785//	09808	81826	86650	
Shannon	962	21610	75011	20515	18502	12709	81820		
Roches Point	952	71611	40102	22114	3237/	13805	83708	87358	
Valentia	953	71714	80012	19814	725//	13810	87822		

OBSERVATIONS at 18h. 11 November 1978

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	81307	45104	24509	864//	08604	88711		
862	51003	50051	24209	55400	09604	85610		
797	81405	30102	26007	860//	07501	82701	88702	
776	81505	34042	25608	863//	06501	88709		
775	81604	18054	25109	864//	07703	88710		
772	81304	24054	24610	863//	09603	83709	88713	
586	81406	07424	25507	860//	07501	88700		
590	81705	19104	25906	862//	06601	88704		
497	81907	58024	25909	864//	07400	88715		
502	71409	35051	21510	762//	09710	83705	87711	
628	81106	25052	23911	854//	09706	81712	88615	
715	71109	40051	22811	753//	09806	81709	87616	
703	21208	32051	21710	21500	09709	82820		
827	71006	40051	22011	756//	09606	87634		
817	51110	40051	21310	36304	09708	83709	84075	
804	01309	50011	20511	00900	10712			
809	21009	40051	21409	26400	09711	82712		
894	51513	40051	22412	56301	10605	85709		
534	81906	20284	24608	861//	08703	88702		
559	81703	09424	24908	861//	08604	88702		
462	91907	01435	25007	9////	07502	89///		
354	92107	01454	24208	9////	08604	89///		
414	81708	15044	23409	863//	08604	88707		
360	91608	04434	23409	9////	09501	89/00		
396	92009	02474	24508	9////	08603	89/01		
257	91609	02454	22909	9////	09503	89///		
262	52005	49052	21911	5093/	10603	85358		
222	51604	42056	20912	35402	10808	81712	83640	
302	71711	35101	21612	762//	11608	81705	87707	
334	81808	20044	23609	863//	08704	88706		
318	91512	06471	22508	9////	08603	89///		
204	72014	40051	20912	752//	11507	81705	85618	87624
131	52125	60022	19312	56400	11713	84710		
162	82011	20106	20311	862//	10707	88703		
135	71910	59042	18712	754//	11611	82710	86645	
140	82011	58055	18613	854//	10614	81712	83622	88636
171	70000	40281	19209	754//	09810	81712	85616	87620
091	51616	45101	17909	55200	09710	81705	85650	
005	72014	81038	14007	784//	05715	81815	87622	
075	61812	81011	14710	4553/	07712	81625	84636	85360
010	81815	82022	12412	856//	11719	88630		
049	82326	82032	10811	855//	10616	88625		
026	82126	57206	11012	853//	11619	83709	85711	88618
022	81920	60215	11612	854//	11617	88612		
100	71722	58102	14212	757//	11721	87650		
917	71711	50102	18112	754//	11715	81710	87624	
980	71818	72031	15213	754//	10715	81716	86645	
976	31724	74031	12713	32402	10720	81717		
965	71610	56102	17912	756//	10613	87635		
969	61703	59102	19312	655//	09712	86624		
962	71713	65031	17013	755//	10613	87626		
952	71515	56102	18613	764//	11616	84710	87637	
953	51714	75011	15913	52500	11616	85822		

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00100	000	FFff	+
862	00120	001	FFff	+
797	00090	004	+	ff
776	00091	000	Ff	+
775	00090	000	ff	+
772	00100	000	FFf	+
586	00080	000	FFf	FFf
590	97080	000	FFf	ff
497		000		
502	00111	031	+	+
628	97110	000	$d_od_offd_o$	+
715	00120	003	+	+
703	00130	025		
827	00151	035	+	+
817	00141	017	jf	+
804	00140	004	+	+
809	00140	010	ff	+
894	00130	076	+	+
534	97080	000	FFff	ff–f
559	97090	000	FF	ffd_od_o
462	97081	000	FF	FFd_o
354	00080	000	FF	FF
414	00091	000	FFff	+
360	00130	038	+	ff
396			ff	ff
257	00111	000	FFff	ff
262	00140	020	+	Fff
222	97151	011	r_o	+
302	00131	028	+	+
334	00120	055	+	if
318	00141	034	+	ff
204	97141	019	fr_o	+
131	00131			
162	02121	000	r_o	r_orfd_o
135	00131	001	+	+
140	97131	000	d_o	+
171	91111	000	d_or_o	if
091	97111	042	d_o	+
005	97101	037	pr_o	+
075	00111	056	+	+
010	00120			
049	00121	039	+	+
026	97121	005	d_or_o	$r_od_or_o$
022	91121	000	$d_od_oid_o$	id_oir_o
100	91131	002	ir_od_o	+
917	00131	002	if	+
980	9714	027		
976	9713	010		
965	9714	004		
969	0016	021		
962	9715	025		
952	0014	010		
953	0015	030		

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

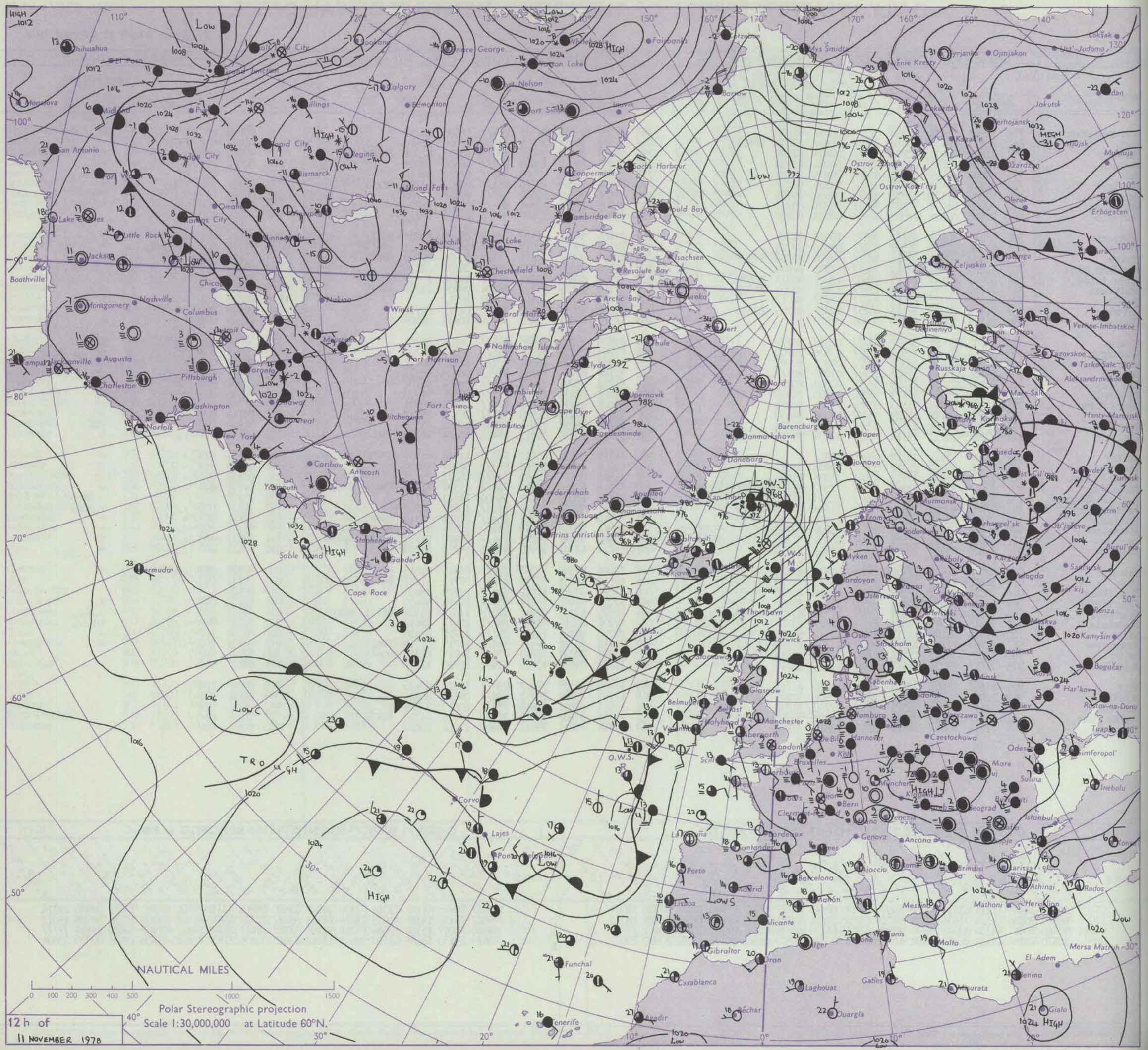
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	11121	63113	97158	03805	63400	00116	/////	/////	05700	10874	30706	28009
	99567	70190	11124	71936	97032	99710	5531/	21621	83707	84625	0//07	11099	30808	18012
	99660	70014	11124	82041	96616	98306	853//	61639	82708	88618	0//05	10673	30811	/////
	99470	70166	11124	61306	97031	16713	38532	00710	81820	83360	0//08	11563	30000	35007

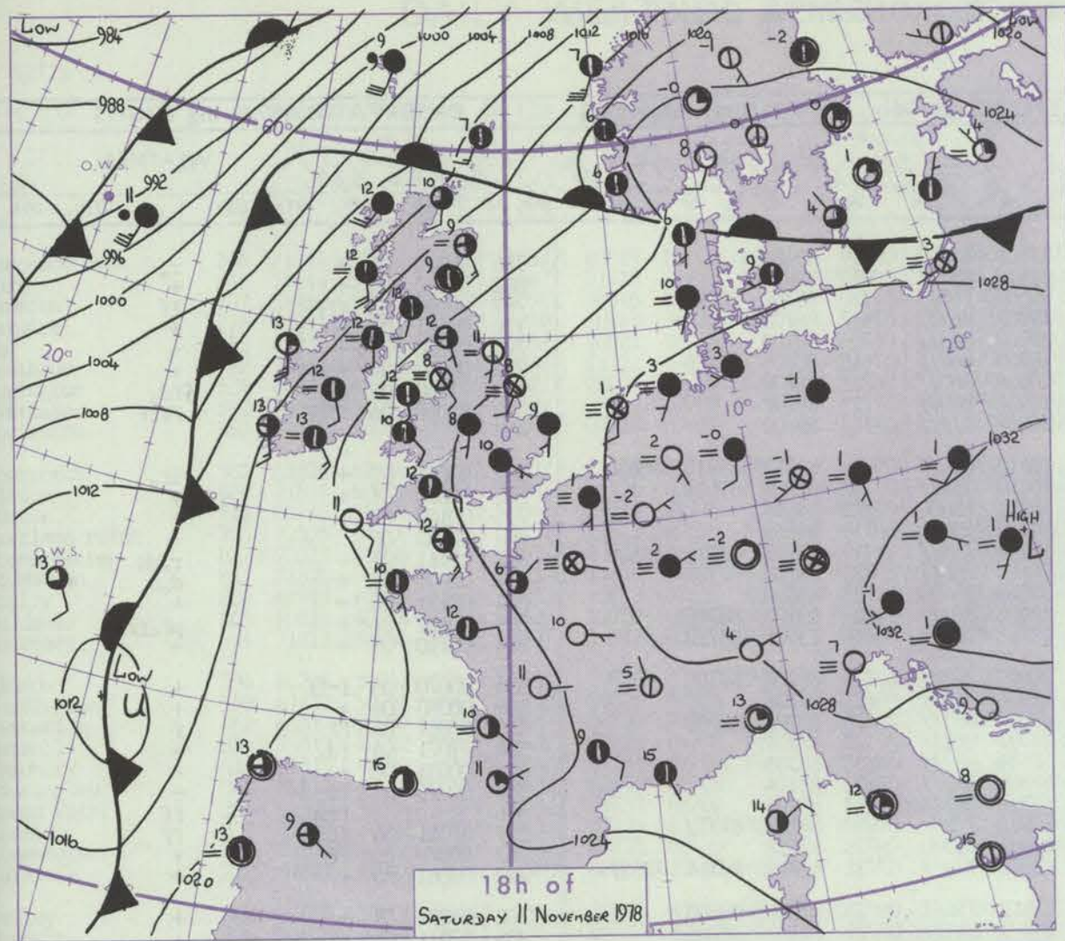
OCEAN WEATHER STATION REPORTS at 18h.

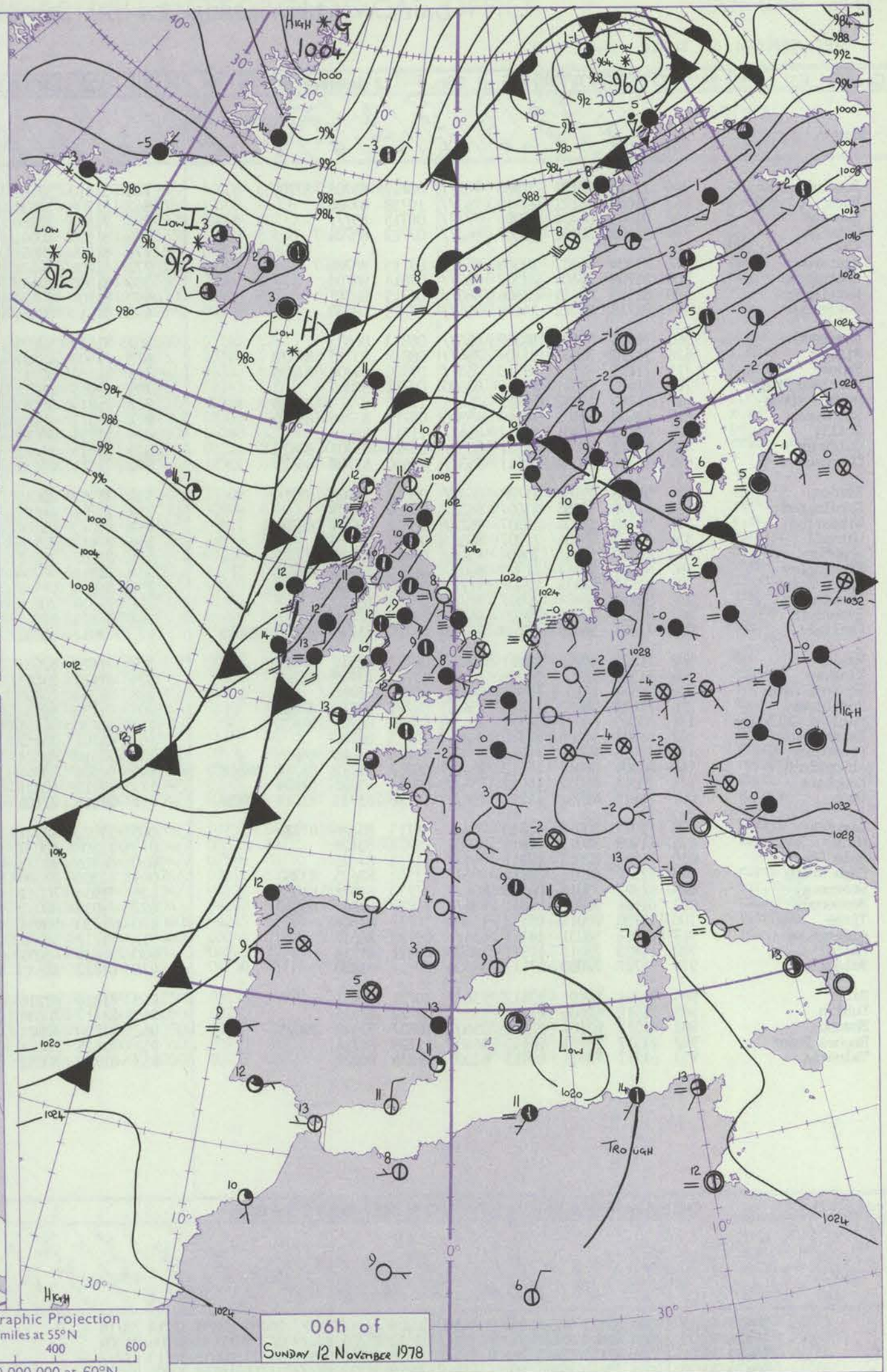
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	11181	73016	97158	06305	73400	00313	/////	/////	05700	10872	30809	28314
	99567	70178	11184	81933	97616	94311	854//	22722	85710	88625	0//08	11151	30708	18012
	99660	70017	11184	82044	95216	93107	7732/	51617	87708	88520	0//07	10670	31114	/////
	99469	70170	11184	61510	98031	13413	53502	00606	81920	85640	0//08	11531	30000	35906

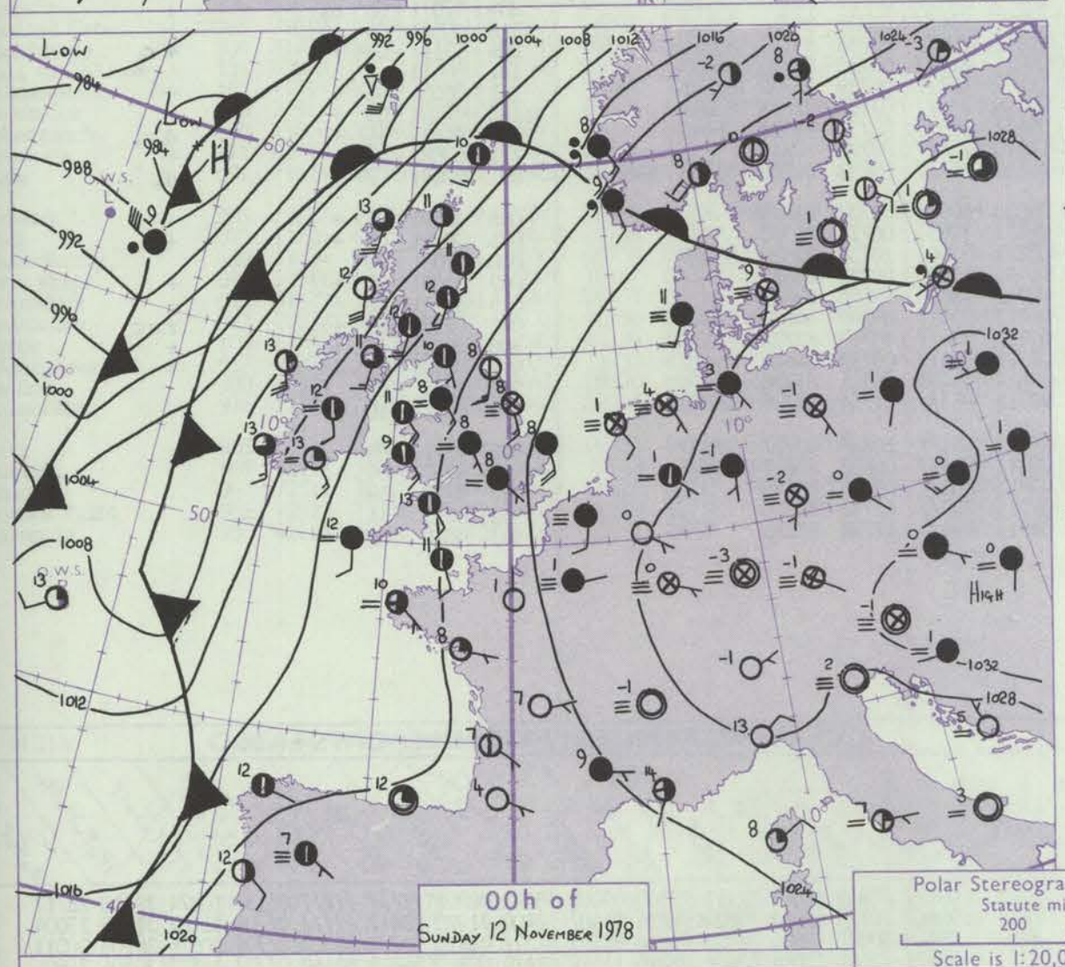
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 SUNDAY 12 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours, an anticyclone over Central Europe has remained slow moving. Shallow depressions to the south and west of the British Isles have moved north and filled. A deep depression has persisted in the Iceland area.

During the next 24 hours, the Iceland low is expected to move slowly east, with a cold front moving east across all parts of the British Isles except the extreme southeast.

Code FM 11.V **OBSERVATIONS at 00h.** 12 November 1978

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	71111	25102	21908	762//	08717	83704	87705	
Hurn	862	71005	18102	21410	763//	10718	87708		
Manston	797	91805	01454	23906	9////	06715	89///		
Gatwick	776	81405	20102	23507	862//	07713	88704		
Kew									
Heathrow	772	81404	36102	22508	863//	07715	88706		
Honington	586	81708	14104	23507	860//	07614	88700		
Wattisham	590	81510	08424	23606	860//	06715	88701		
Gorleston	497	81718	60022	24108	856//	07713	88630		
Aberporth	502	71513	50051	18209	6563/	08813	86633		
Filton	628	71210	30051	21109	754//	08818	83713	87620	
Rhoose	715	71111	45051	19710	753//	09820	84706	87628	
Hartland Point	703	61410	68051	18410	62600	09718	86846		
Mount Batten	827	71812	40052	19212	754//	11712	87713	87620	
St.Mawgan	817	41608	30101	18410	45300	09712	82706	83620	
Scilly	804	81812	50101	17812	854//	11717	88618		
Culdrose	809	82011	57051	18311	853//	09715	81707	88620	
Guernsey	894	71710	50052	20711	753//	09610	85708	86625	
Elmdon	534	81606	22104	21708	863//	08618	82708	88710	
Cardington	559	81906	35055	23007	863//	06709	88709		
Wittering	462	81710	24104	22707	862//	06712	83704	88706	
Watnall	354	81905	05504	21907	860//	07714	88709		
Shawbury	414	81404	30042	20409	854//	07717	88612		
Finningley	360	81607	09414	21308	860//	08812	85701	88702	
Spurn Point	396	91713	04434	22408	9////	08710	89/02		
Leeming	257	91712	06434	20607	9////	07714	89/02		
Tynemouth	262	82010	16104	19409	861//	09815	88702		
Carlisle	222	71607	56042	18110	754//	09719	81710	83630	86645
Valley	302	71520	50052	18211	754//	08722	82618	87622	
Ringway	334	81508	16505	21208	861//	07714	83702	88703	
Squires Gate	318	81514	25104	19808	862//	08818	88703		
Ronaldsway	204	71613	58052	17411	754//	09721	82710	87622	
Mull of Galloway	131	82020	66022	16312	854//	09716	82710	88625	
Eskdalemuir	162	81907	50105	17310	863//	10823	88707		
Prestwick	135	72016	60042	15212	6543/	09725	81616	86618	
Abbotsinch	140	81804	56042	15512	854//	09817	81712	83714	86618
Leuchars	171	72014	65032	16012	755//	09718	85625	87634	
Dyce	091	71815	42052	14511	754//	10718	81711	83715	86638
Lerwick	005	72017	80012	10810	755//	06713	83620	87634	
Wick	075	41909	70011	10911	35502	09725	83628		
Sule Skerry	010	71820	82012	08511	755//	11718	87625		
Cape Wrath	049	32322	82011	07612	25570	11502	82625	83360	
Stornoway	026	61927	75016	06513	654//	10730	82615	85625	
Benbecula	022	61924	82022	06812	684//	10729	81818	86632	
Tiree	100	11730	60011	09512	15500	10727	81628		
Aldergrove	917	61914	58031	14311	654//	09723	86617		
Malin	980	11823	75011	11511	16400	09621	81718		
Belmullet	976	31727	72030	07413	38500	09732	81820		
Birr	965	71711	60101	13512	756//	10724	87631		
Dublin	969	71512	62606	15512	755//	09722	87625		
Shannon	962	61513	65101	12312	35602	10827	83640	85075	
Roches Point	952	21517	56101	14113	26400	11729	82716		
Valentia	953	61717	75031	10913	62500	11826	86822		

OBSERVATIONS at 06h. 12 November 1978

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	31310	32101	17508	35500	07719	83620		
862	81708	59031	17512	854//	10618	88613		
797	71510	22284	20507	760//	07720	83701	87702	
776	81509	40041	19308	863//	07617	88707		
775	81404	28051	19307	863//	06716	88708		
772	81206	34101	18808	862//	07618	83705	88706	
586	81508	02445	19606	860//	06722	88700		
590	81707	07424	19907	860//	07722	88701		
497	91910	02454	20508	9////	08717	89/00		
502	81617	59601	12610	854//	09624	82712	85715	88630
628	71508	40051	16410	752//	09722	82704	87634	
715	41810	62011	15311	45400	08722	84618		
703	41915	56021	14010	45400	08719	84618		
827	71815	56052	15113	753//	11719	83706	83713	87629
817	71512	40051	14111	762//	10722	83705	87707	
804	51712	60012	12913	55400	12723	85614		
809	81813	56052	14912	862//	11822	83703	88705	
894	71811	45051	17311	763/2	09616	83708	85710	
534	71512	30042	16609	762//	07726	81704	87706	
559	71706	40101	18906	763//	06622	87706		
462	81810	25104	18607	862//	06724	83704	88706	
354	81611	22105	17007	862//	07727	88703		
414	81507	22102	14709	862//	09730	88705		
360	81511	30104	17008	862//	07623	88704		
396	81614	08465	18307	862//	06723	88704		
257	71510	20104	15607	762//	07830	84703	87712	
262	31812	56011	14208	35500	06728	83622		
222	71012	50042	12509	754//	07731	82710	86714	87627
302	71626	62031	11612	754//	09730	82616	86620	
334	81610	25045	15409	863//	08729	82706	88708	
318	81314	20101	14009	854//	08728	86710	88635	
204	71720	58052	11112	754//	09733	83712	85616	87645
131	82030	66031	09011	854//	09738	82710	88625	
162	81707	35052	12407	852//	06729	86705	88618	
135	72010	60021	09210	755//	07735	81624	87645	
140	61506	58046	09611	655//	07731	82622	86640	
171	72212	62021	10910	754//	08727	87616		
091	81615	22101	09510	853//	09733	81706	83708	88620
005	12023	60021	05810	00901	09727	81070		
075	11508	70030	06311	10930	08725	81360		
010	81816	82028	03011	22507	10730	82820	88275	
049	12305	82020	02410	15500	09722	81625		
026	31934	70011	99712	35500	09836	83620		
022	71831	80012	98712	755//	09749	84620	87643	
100	71730	58051	02312	754//	10743	82714	87631	
917	81717	56052	07511	854//	08737	84618	88622	
980	31629	65051	02811	35400	08741	81716	83636	
976	81822	58635	98712	863//	11744	84709	88716	
965	81810	62216	06212	854//	10728	83717	88630	
969	81417	70036	09011	854//	08628	83618	88645	
962	81720	70021	04813	856//	09736	88640		
952	81625	56101	07713	863//	12733	86708		
953	81720	70032	03914	864//	12732	88715		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	97070	03	+	r_o
862	00080	05	+	+
797	97050	03	ffFFf	if
776	00071	03	+	+
775	00050	52	+	+
772	00060	03	+	+
586	97050	06	f	ffd_o
590	97060	06	ffFF	FFff
497				
502	97091	07	+	ir_o
628	00090	01	+	+
715	00100	08	+	+
703	92092	06		
827	01111	07	+	r_orR
817	02091	05	+	d_or
804	00121	10	+	+
809	02102	07	+	pr_oir_o
894	00110	09	+	+
534	00070	05	f-ff	+
559	00060	04	+	+
462	97061	06	FF	f
354	91071	04	fd_o	+
414	00081	06	+	+
360	00070	07	if	+
396			$ffid_o$	ff
257	97061	04	ff	ff
262	00070	05	ff	+
222	00081	05	+	+
302	00091	07	+	+
334	97071	06	d_o	+
318	00071	05	+	+
204	97111	08	+	$*r_o$
131	00111			
162	00061	05	+	+
135	97101	09	+	r_o
140	97111	10	+	d_or_o
171	00081	03	+	+
091	97091	07	+	d_o
005	00091	07	+	+
075	00101	06	+	+
010	97091	09		
049	00091	06	+	+
026	00111	10	+	+
022	02101	09	+	r_orr
100	00111	10	+	+
917	00101	07	+	+
980	0011	09		
976	0311	10		
965	9311	09		
969	9710	04		
962	9712	09		
952	0012	11		
953	0010	09		

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

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	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	12001	62823	97268	09402	63400	00305	/////	/////	06450	10880	3//14	28/16
	99566	70172	12004	82940	95636	88909	872//	62530	88703	/////	0//09	11150	30706	31009
	99659	70020	12004	82134	95616	91607	873//	51606	85708	88515	0//07	10681	31113	/////
	99470	70170	12004	22411	97251	10713	12540	00710	81720	/////	0//11	11551	30401	35006

OCEAN WEATHER STATION REPORTS at 06h.

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	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	12061	82717	97268	09403	63402	00701	/////	/////	06152	10874	3//10	28/17
	99567	70179	12064	32824	98256	91407	32400	71323	83817	/////	0//04	11162	31008	23004
	99659	70025	12064	81930	95216	88907	6732/	51718	86708	88520	0//07	10676	30708	20011
	99471	70167	12064	63426	98216	11312	42470	00319	84810	86460	0//07	11523	30604	24604

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. 42725

Date of Issue MONDAY 13 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 12 November 1978

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	71714	57056	14412	753//	10819	86709	87615	
Hurn	862	71914	56212	15113	6547/	11715	81710	86613	87359
Manston	797	51713	50051	17810	00901	08816	85075		
Gatwick	776	71911	50041	16413	42401	10818	84812	85075	
Kew	775	61910	58051	15813	664//	10821	86715		
Heathrow	772	71611	59051	15313	714//	11722	87816		
Honington	586	81713	45054	15910	862//	08825	85705	88709	
Wattisham	590	71811	37054	16709	762//	08822	83705	87707	
Gorleston	497	71714	56054	17210	724//	07718	87818		
Aberporth	502	81826	62216	06812	853//	11736	85707	88635	
Filton	628	71814	60212	12513	754/2	11726	82712	83615	85640
Rhoose	715	81713	56606	11512	854//	11821	81710	85632	88650
Hartland Point	703	72525	64216	09313	2257/	12827	82820	87360	
Mount Batten	827	72023	45056	12614	753//	13714	86708	87657	
St.Mawgan	817	71820	58026	11314	48376	11810	84706	87270	
Scilly	804	61918	62011	10515	38431	13813	82818	83635	
Culdrose	809	82018	40056	11714	852//	13708	86704	88615	
Guernsey	894	71813	50056	15512	753//	11813	85706	87650	
Elmdon	534	81714	50042	12411	864//	09825	83710	88712	
Cardington	559	41812	50051	14612	21532	09826	82825		
Wittering	462	61813	50052	13810	663//	08730	86709		
Watnall	354	71812	40052	12410	763//	09828	84708	87712	
Shawbury	414	71814	40042	10012	754//	09731	82710	86620	
Finningley	360	81412	40042	12109	863//	07830	88708		
Spurn Point	396	81722	32104	13508	863//	07732	88706		
Leeming	257	81519	20042	09309	863//	07839	83706	88708	
Tynemouth	262	81925	30051	08409	855//	07725	88620		
Carlisle	222	61811	57041	05512	45631	08845	83645	83078	
Valley	302	81634	56602	04613	854//	10845	84614	84645	88656
Ringway	334	61818	50041	09711	654//	09737	82615	86640	
Squires Gate	318	71619	58041	07612	756//	08841	87640		
Ronaldsway	204	81725	58212	03212	854//	09748	81712	86616	88645
Mull of Galloway	131	82048	65022	99012	5532/	09866	82707	85625	88459
Eskdalemuir	162	71719	50052	04409	754//	07848	82712	87630	
Prestwick	135	71919	63016	00212	784//	08855	81818	83623	86650
Abbotsinch	140	71814	58046	00612	754//	08857	84618	87640	
Leuchars	171	61717	57051	02811	55602	06851	85632		
Dyce	091	71624	40055	02110	65432	07745	81710	85613	
Lerwick	005	71827	40051	99409	753//	08844	85706	86620	
Wick	075	11726	62051	96810	15600	07756	81630		
Sule Skerry	010	11634	70011	94411	15500	09750	81625		
Cape Wrath	049	31911	80011	93012	22570	10752	82820	83360	
Stornoway	026	81829	58636	90611	854//	09753	83710	87625	
Benbecula	022	81832	50656	89310	7732/	10756	83707	87709	88520
Tiree	100	81737	56636	91811	6542/	11759	81710	86616	88540
Aldergrove	917	81821	50622	97811	853//	11753	83709	85713	88620
Malin	980	82525	56656	95508	6642/	08530	86712	88550	
Belmullet	976	22723	76016	99909	29400	03235	81717	81920	
Birr	965	82513	60616	03608	7642/	06314	86714	84630	87458
Dublin	969	82117	58606	00913	864//	10743	84716	88620	
Shannon	962	72511	70215	04509	784//	08328	83715	84820	85635
Roches Point	952	72823	75806	05710	5847/	08309	85712	87359	
Valentia	953	42724	80256	07411	42500	05237	84824		

OBSERVATIONS at 18h. 12 November 1978

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	71817	56052	12012	754//	11606	83710	85616	86624
862	71916	40052	13114	6633/	12605	86709	86360	
797	51715	40051	15210	00906	08606	85275		
776	72011	57041	14012	55738	10509	85650	86275	
775	72009	58051	12813	755//	09706	87620		
772	71712	57051	12414	3557/	11706	83625	87360	
586	81815	36051	12411	855//	08507	88622		
590	71814	35051	13310	26308	09508	82709	87275	
497	21922	60021	12911	20970	09614	82358		
502	22815	70018	11509	28400	05240	82815		
628	82813	56652	11611	853//	10310	83708	88620	
715	83012	75616	11609	856//	08320	82632	88650	
703	73205	85028	12611	4847/	07143	82818	84640	87360
827	83312	62636	12911	4557/	10314	84622	88459	
817	73016	65618	13511	4732/	08335	84708	87460	
804	33313	75018	15011	38400	06240	82816		
809	83315	56616	13411	5831/	08228	82709	84630	88450
894	71917	50052	14614	754//	12301	81710	87656	
534	82015	50646	09813	854//	11309	84710	88620	
559	71918	56051	11213	30932	10504	83363	86075	
462	62020	57052	09413	555/2	09611	85620	85075	
354	82017	56626	07012	854//	11615	83718	88640	
414	62510	80216	09609	654//	07330	81618	83645	86656
360	81915	58626	06613	855//	11512	85620	88645	
396	61823	57012	07511	3537/	09623	82706	83625	86360
257	72412	80216	04808	757//	05301	87650		
262	82508	69606	02908	1552/	06305	81620	88458	
222	62615	65016	03508	58432	04243	81714	84638	
302	42719	83016	09409	48500	03247	84825		
334	82409	75216	08809	884//	08330	81815	88650	
318	72619	75016	07610	5843/	05243	82817	84645	85362
204	22721	80016	06109	28500	03240	82828		
131	32730	82016	04209	38500	03343	81820	83625	
162	72213	81256	02306	784//	04338	84818	87625	
135	72726	60806	01207	734//	05339	81712	81915	83820
140	52718	70256	99707	58400	05342	81715	84822	
171	62325	81806	95608	684//	03504	82816	85650	
091	72414	70212	92509	754//	07538	81710	83625	87650
005	81735	35052	88809	853//	07755	84707	88620	
075	82713	59636	89206	854//	05520	83715	85620	88630
010	82340	57216	87408	864//	07506	88710		
049	83234	70636	87806	874//	01111	88715		
026	72611	75016	91906	794//	04137	81915	86645	
022	62922	72156	94407	4947/	04232	82915	83820	85462
100	72620	62806	97307	43402	04245	81710	84914	
917	12620	84018	05606	19400	05348	81915		
980	72638	80278	02907	594/3	04249	85918		
976	52721	77808	06707	534//	04236	81717	85920	
965	12509	81018	09907	12500	03136	81820		
969	02519	82018	07506	00900	03240			
962	12715	83028	10808	13500	03230	81922		
952	12814	82018	13008	15600	03245	81632		
953	32717	82018	13510	32500	05235	83822		

OBSERVATIONS during DAY

iii	RRT T E x x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	05131	005	+	rRr_or_o
862	03141	002	r_o	r_orRr
797	00120	042	+	+
776	97141	022	+	r_o
775	01141	041	+	r_oR
772	02151	032	+	r_orR
586	91121	026	+	r_o
590	00110	019	+	+
497		022		
502	10131	000	RR	pr_oRR
628	07141	002	r_o	r_oRRr_o
715	11141	001	r_or	r_orRrir_o
703	05141	002		
827	03151	003	r_od_o	$r_or_oRrir_o$
817	08141	002	r_opr_o	r_orR
804	07151	021	ir_orr	pr
809	03142	004	ir_o	$rrir_or_or_oir_o$
894	97140	000	ir_o	+
534	07131	000	r_o-r_or	r_orR
559	04141	043	+	$rr_oRr_or_o$
462	05131	006	+	r_orR
354	05121	000	ir_o	r_or_orR
414	05131	001	r_o	r_orrr_o
360	04131	000	r_o	r_orR
396			ff	ir_orr
257	08111	000	r_or	rrR
262	02111	000	+	ir_orr
222	05121	028	r_or	rRr
302	02131	001	R	R
334	07131	012	r_or	rRr_o
318	09121	009	r_orR	rRr_o
204	07131	000	ir_orR	r_o
131	95121			
162	10091	001	rRR	$RRrpr_o$
135	11122	002	$r_or_opr_orr$	$rrprpr_o$
140	13131	005	$d_or_or_orR$	$rrr_oprpr_oph_o$
171	02111	015	r_o	$rrpr_o$
091	02101	000	+	r_orpr_o
005	09102	001	+	RRr_or_o
075	01111	037	+	ir_orrpr_o
010	02122			
049	07122	045	ir_o	$rrpr_o$
026	13121	000	$pr_or_or_oRrr$	$rrr_or_opr_o$
022	25111	000	rrRR	$rrpRphrpr_o$
100	09121	000	ir_orrr_o	r_orpRpr_o
917	06121	011	r_orRrir_o	pr_o
980	0312	006		
976	1412	024		
965	0513	027		
969	0513	013		
962	0513	039		
952	0314	040		
953	1014	041		

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

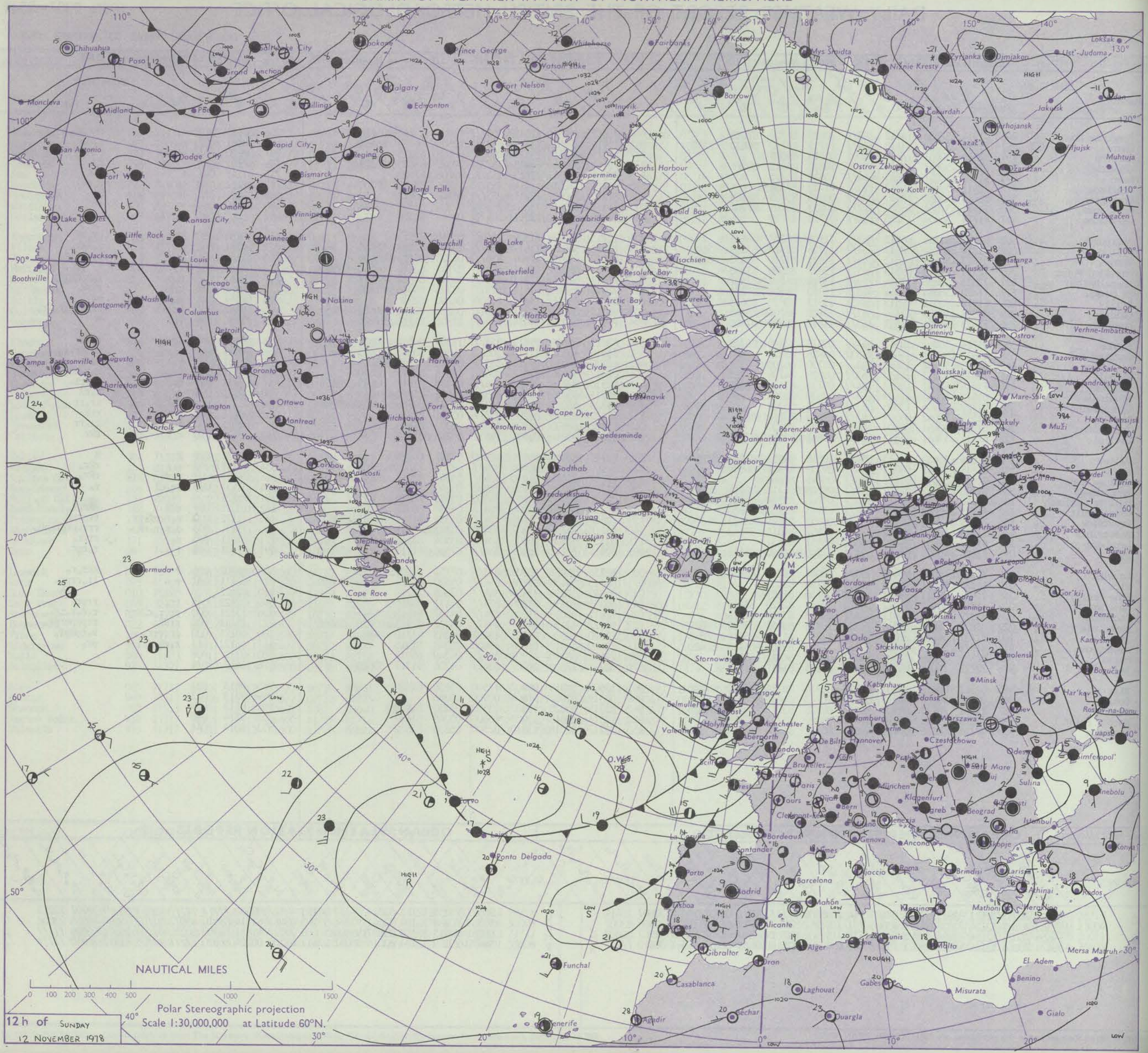
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	12121	82915	97278	09403	53452	00000	/////	/////	06101	10882	30607	28414
	99568	70185	12124	72828	98278	95006	793//	61217	84708	87912	0//02	11124	30908	23007
	99659	70023	12124	81934	95028	86508	6732/	31508	86707	88520	0//08	10685	30707	20009
	99470	70166	12124	43326	98021	19012	48400	00138	82816	83633	0//03	11541	30610	/////

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_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	12181	82814	97158	08103	4342/	00500	/////	/////	05953	10869	30707	28213
	99569	70189	12184	72641	97878	97105	49461	61114	83910	85072	0//02	11090	30909	23008
	99661	70015	12184	81837	95606	80508	7732/	41831	87708	88520	0//08	10671	30809	/////
	99470	70169	12184	63018	98031	22612	62500	00224	86620	/////	0//05	11512	30910	/////

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 SUNDAY
12 NOVEMBER 1978
Chihuahua
El Paso
Grand Junction
Salt Lake City
Spokane
Prince George
Whitehorse
Fairbanks
Watson Lake
Fort Nelson
Fort Simpson
Inuvik
Barrow
Mys Šmidta
Nižnie Kresty
Cyrjanka
Djmjakon
List'-Judoma
Lokšak
Jakutsk
Oimjakon
Verhojansk
Ojujsk
Muhtuja
Kazač'e
Džardžan
Olenek
Erbogačen
Tura
Verhne-Imbatskoe
Tazovskoe
Tarko-Sale
Aleksandrovskoe
Mare-Sale
Muži
Hanty-Mansijsk
Malye Karmakuly
Russkaja Gavan'
Mys Celjuskin
Ostrov Kotel'nyj
Ostrov Zohova
Ostrov Vaidineniyo
Ostrov
Calgary
Edmonton
Moncleva
Midland
Billings
Rapid City
Dodge City
Bismarck
Regina
Oakland Falls
Winnipeg
Omaha
Kansas City
Minneapolis
Lake
Little Rock
Jackson
Boothville
Chicago
Detroit
Columbus
Nashville
Montgomery
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Washington
Norfolk
New York
Toronto
Ottawa
Montreal
Caribou
Yarmouth
Stephenville
Gander
Sable Island
Cape Race
Bermuda
Churchill
Baker Lake
Chesterfield
Winisk
Nakina
Moosonee
Port Harrison
Nottingham Island
Fort Chimo
Resolution
Cape Dyer
Frobisher
Clyde
Pond Inlet
Arctic Bay
Eureka
Resolute Bay
Ellesmere Island
Isachsen
Cambridge Bay
Coppermine
Sachs Harbour
Inuvik
Tuktoyaktuk
Lake
Alert
Nord
Danmarkshavn
Barencburg
Danesborg
Jan Mayen
Godthab
Frederikshab
Prins Christian Sund
Kap Tobin
Reykjavik
Thorshavn
Stornoway
Belmullet
Belfast
Holyhead
Valentia
Aberporth
Manchester
London
Brussels
Paris
Bordeaux
Santander
Porto
Lisboa
Madrid
Barcelona
Mahón
Alicante
Gibraltar
Alger
Oran
Casablanca
Agadir
Laghouat
Ouargla
Gabes
Tunis
Malta
Misurata
Benina
El Adem
Mersa Matruh
Gialo
Funchal
Ponta Delgada
Lajes
Tenerife
Sechar
Jaccio
Genova
Ancona
Roma
Brindisi
Napoli
Messina
Mathoni
Athinai
Heraklion
Rodos
Konya
Istanbul
Izmir
Sofia
Beograd
Zagreb
Venezia
Milano
München
Klagenfurt
Bern
Dijon
Clermont-Ferrand
Nîmes
Tours
Brest
Cherbourg
Caen
Dublin
Aberporth
Kiel
Hannover
Hamburg
Berlin
Warszawa
Częstochowa
Gdańsk
Minsk
Kiev
Odessa
Simferopol'
Sulina
Tuapse
Rostov-na-Donu
Har'kov
Kursk
Bozuča
Penza
Kanaš
Arhangel'sk
Ob"jačevo
Vologda
Molotovsk
Mezen'
Pečora
Ust'-Cil'ma
Ukhta
Syktyvkar
Kirov
Kazan'
Saratov
Volgograd
Astrakhan'
Orenburg
Ufa
Perm'
Sverdlovsk
Tjumen'
Omsk
Barnaul
Novosibirsk
Tomsk
Krasnojarsk
Irkutsk
Bratsk
Ust'-Kut
Čita
Turinsk
Karpogory
Nordvik
Aykon
Rebrly
Sancursk
Vaasa
Oslo
Stockholm
Helsinki
Leningrad
Vyborg
Pskov
Smolensk
Riga
Kaunas
Kobenhavn
Lulea
Sundsvall
Östersund
Umea
Jokkmokk
Arjeplog
Kiruna
Narvik
Bodø
Trondheim
Namsos
Sandane
Stavanger
Kristiansund
Jan Mayen
Thorshavn
Reykjavik
Ivalo
Kap Tobin
Godthab
Frederikshab
Prins Christian Sund
Julianehab
Angmagssalik
Egedesminde
Cape Dyer
Resolution
Frobisher
Fort Chimo
Port Harrison
Nottingham Island
Clyde
Pond Inlet
Arctic Bay
Eureka
Resolute Bay

18h of 12th NOVEMBER 1978

00h of 13th NOVEMBER 1978

06h of 13th NOVEMBER 1978

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 13 NOVEMBER 1978

During the past 24 hours an active cold front moved east across all parts of the British Isles and a strong southsouthwesterly airflow veered to westerly behind the front.

During the next 24 hours a deepening depression is expected to move towards the Northwest Approaches with a warm front moving to Northern Ireland and west Scotland while to the south of the British Isles an anticyclone is expected to move east into Biscay. The westerly airflow is expected to back to southwesterly over all parts.

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

Code FM 11.V — **OBSERVATIONS at 00h.** 13 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_lh C_mC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	53002	83016	18207	25608	07326	82645	84275	
Hurn	862	72302	75216	18309	785//	08226	81820	87640	
Manston	797	82812	59602	17012	853//	10318	85708	88625	
Gatwick	776	82802	60626	17409	855//	08328	82626	88640	
Kew									
Heathrow	772	82503	70606	17209	857//	09242	88656		
Honington	586	72406	66216	16009	757//	08338	87656		
Wattisham	590	82807	60216	16109	856//	08328	88645		
Gorleston	497	82808	66026	15810	855//	06228	88625		
Aberporth	502	52716	80031	17809	55400	01231	85618		
Filton	628	72705	82036	18407	00908	04228	87275		
Rhoose	715	53107	83016	18105	11402	03127	81814	85075	
Hartland Point	703	33210	89021	18410	31500	03128	83820		
Mount Batten	827	53007	80036	19608	15606	06234	81630	85275	
St.Mawgan	817	32911	80016	19610	21502	03231	82820		
Scilly	804	13110	82010	20811	12400	05225	81818		
Culdrose	809	13008	65026	20407	15600	03228	81635		
Guernsey	894	73417	81216	18910	6543/	08228	82615	85650	87362
Elmdon	534	62007	82036	16605	00906	04327	86275		
Cardington	559	62507	80026	16606	20938	06226	82362	86275	
Wittering	462	72709	75036	16105	10936	04229	81362	87275	
Watnall	354	72205	65036	15704	00906	03229	87275		
Shawbury	414	32204	80031	16305	35600	03232	83635		
Finningley	360	52009	82036	14305	00902	03233	85075		
Spurn Point	396	52410	68036	14408	00904	05235	85075		
Leeming	257	12514	89031	11707	00901	02229	81070		
Tynemouth	262	02514	81026	09508	00900	02234			
Carlisle	222	32613	82011	10807	38500	03237	83820		
Valley	302	32520	82011	15409	35500	03227	83628		
Ringway	334	31808	81031	15705	11501	04229	81822	83075	
Squires Gate	318	42621	82031	13810	42500	03228	84825		
Ronaldsway	204	32520	84021	13108	12542	03228	81828		
Mull of Galloway	131	32525	84030	11207	22501	03235	82820		
Eskdalemuir	162	62212	82018	10004	684//	02235	82712	85625	
Prestwick	135	72724	65028	08308	784//	03233	81714	84822	85630
Abbotsinch	140	22313	80018	06707	28500	03229	81822		
Leuchars	171	22212	80258	05204	28400	01235	82818		
Dyce	091	12208	86028	01905	10940	02337	81365		
Lerwick	005	62619	80256	91806	48402	02347	84815	84070	
Wick	075	72524	70808	97704	6946/	02333	82710	85913	
Sule Skerry	010	72716	64898	94207	59402	05228	85910	87070	
Cape Wrath	049	72730	74898	94906	795//	05228	85920	87625	
Stornoway	026	72614	65808	98504	794//	02238	83710	86912	
Benbecula	022	72827	63818	01605	794//	02340	83711	87914	
Tiree	100	62526	65158	04007	634//	02230	82916	84820	
Aldergrove	917	22312	82258	11504	15400	04231	81711		
Malin	980	52527	80258	08107	534//	04228	85818	81918	
Belmullet	976	62514	74258	11207	635//	04219	85920		
Birr	965	32208	75018	15605	28502	04127	81821		
Dublin	969	32314	80030	15106	00902	03333	83070		
Shannon	962	52610	82038	16307	33505	04224	81920	83640	
Roches Point	952	72215	81031	18007	15606	04121	81634	87275	
Valentia	953	62415	82038	17610	12501	03222	81824	86070	

OBSERVATIONS at 06h. 13 November 1978

iii	Nddff	VVwwW	PPPTT	$N_hC_lh C_mC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	62602	83022	23704	15608	03124	81630	86275	
862	50000	25112	24203	00901	03229	85080		
797	72705	70028	22608	18408	06331	81814	87272	
776	62102	75116	23503	00908	03232	86280		
775	02001	75026	22905	00900	04220			
772	11803	75016	22505	00901	05125	81075		
586	72306	66031	21305	00906	03222	87275		
590	62509	65026	22003	00902	03226	86075		
497	22505	66011	20906	20910	04226	82458		
502	62313	70021	21507	00908	03220	86275		
628	32303	80021	23305	00908	03222	83275		
715	82806	82032	22706	18407	04222	81814	88275	
703	22720	89010	22811	12631	06320	81838		
827	60402	80031	24804	00906	04224	86275		
817	62612	82028	24210	28506	05220	82820	85275	
804	82811	83021	24911	11507	07219	81822	88275	
809	22607	65010	25308	25600	05324	82630		
894	13311	84011	24709	11502	03231	81826		
534	62107	80011	21605	00906	02225	86075		
559	52408	60102	22003	00902	03225	85075		
462	62608	75012	21204	00908	03227	86275		
354	52308	65012	20304	00908	03220	85275		
414	12307	80010	20504	00901	02223	81070		
360	52007	81012	19305	00908	02325	85275		
396	52418	70031	19007	00908	04225	85275		
257	61906	86038	17407	58502	03224	82824	84632	86070
262	02312	81020	14307	00900	02219			
222	42611	81251	14907	28402	03119	82818		
302	72421	81021	19509	11546	04221	81822	87070	
334	32008	80010	20205	11501	03225	81824	83075	
318	32520	82011	18609	28501	04224	82825		
204	72417	84021	16509	28502	04114	82822	87073	
131	62430	82031	14408	20932	04007	82359	86079	
162	32112	80028	14704	18402	01219	81818	83075	
135	62314	68018	12407	684//	04219	81816	84822	85635
140	42316	75038	11007	48500	03116	81822	84628	
171	42314	81031	10505	28402	02120	82816	84070	
091	02016	89010	07604	00900	00120			
005	82427	56268	97205	894//	52220	88910		
075	72319	80038	02704	794//	51212	83915	86656	
010	62932	66018	99007	694//	05224	86910		
049	72730	80808	99207	735//	04219	87920		
026	62413	70251	01105	694//	02106	86912		
022	72523	80298	02208	69402	01609	83917	84650	86070
100	72223	75278	06106	4347/	04000	81916	83640	87360
917	22011	82131	14404	11401	02206	81815		
980	42026	80258	09407	43400	05804	84918		
976	72329	68808	11809	735//	06202	87920		
965	42011	80031	18306	25602	03215	82634		
969	52317	80031	17706	00902	02217	85070		
962	42012	82038	18108	28502	05205	81825	83075	
952	22209	81011	21008	18402	04114	81818		
953	12317	82018	19410	12500	05209	81822		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.—03h.	WEATHER 03h.—09h.
746	95021	53	r_or	+
862	94001	51	r_oif	+
797	04051	02	r_orrr_or	rr_opr_o
776	04021	52	r_orR	+
775	05041	52	$Rrr_or_o-r_o$	+
772	01041	50	Rrr_o	+
586	01041	02	r_orir_o	+
590	02031	50	r_orr_o	+
497				
502	00061	04	+	+
628	00041	51	+	jf
715	01041	51	+	pr_o
703	00100	06		
827	00031	50	+	jf
817	93091	04	+	pr_o
804	00101	06	+	+
809	00060	02	+	+
894	01081	04	ir_o	+
534	00041	51	+	+
559	92021	51	r_or_o	+
462	00031	01	+	+
354	00031	52	+	+
414	00021	52	+	+
360	00041	51	+	+
396			+	+
257	97051	01	pr_o	+
262	00061	04	+	+
222	97061	04	+	pr_o
302	00081	96	+	+
334	00041	03	+	+
318	00091	07	+	+
204	00071	05	+	+
131	00071			
162	91021	51	pr_o	+
135	96061	04	pr_o	+
140	02051	03	$ph_or_opr_o$	pr_opr
171	92031	00	pr_o	+
091	97031	00	pr_o	+
005	06015	50	$r_or_opr_opr_os_o$	$pr_os_opHph_or_o$
075	96011	51	pr_opr	pr_o
010	04032	06		
049	03012	01	ph_or_ophr	pr_o
026	02031	02	$ph_or_opr_o$	pr_o
022	05031	02	pr_opr	$pr_otl_opHRphr$
100	09041	01	pr_ophrpr	pHphphrpr
917	97031	02	pr_o	jp
980	0405	03		
976	0305	04		
965	9704	01		
969	0005	02		
962	9206	04		
952	0006	03		
953	0109	06		

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	13001	82809	98028	09104	4341/	00301	/////	/////	05952	10860	3//03	28/12
	99570	70193	13004	82638	97278	97806	4552/	61807	84625	88458	0//02	11100	31112	23008
	99659	70012	13004	81733	95616	71207	853//	31656	85708	88615	0//07	10661	30912	/////
	99470	70170	13004	62712	98011	25213	65600	00107	86633	/////	0//07	11502	39908	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	13061	80904	97616	03703	8742/	00741	/////	/////	06101	10870	3////	28/10
	99570	70197	13064	42745	96808	99805	49402	61219	84912	/////	0//02	11120	31113	24009
	99659	70018	13064	82036	95876	72902	894//	51000	88912	/////	0//02	10677	30910	17907
	99470	70167	13064	62418	97031	26513	65600	00212	86640	/////	0//07	11526	30808	/////

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. 42726

Date of Issue TUESDAY 14 NOVEMBER 1978

Code FM 11.V

OBSERVATIONS at 12h. 13 November 1978

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	62409	81012	27011	11402	07114	81818	86075	
Hurn	862	72508	70022	27911	11502	07116	81820	87070	
Manston	797	72406	75022	26810	00908	06114	87275		
Gatwick	776	72208	75012	27509	00908	06115	87275		
Kew	775	72306	70011	26610	00908	05111	82272	85075	
Heathrow	772	72106	68011	26310	00901	08111	87072		
Honington	586	62309	83012	25209	00902	04112	86075		
Wattisham	590	72409	70022	25708	00902	05113	87070		
Gorleston	497	82412	66031	24709	8097/	04211	88360		
Aberporth	502	12219	81018	23611	18432	07002	81818		
Filton	628	42411	80018	26311	11501	07010	81820	84075	
Rhoose	715	52413	72158	26012	28501	06012	81820	85075	
Hartland Point	703	72725	82258	25411	32601	07007	83830	87075	
Mount Batten	827	72516	80022	28213	38406	09010	82818	83640	87075
St.Mawgan	817	72317	82032	27613	58408	08111	83818	83635	85275
Scilly	804	72512	80022	28413	22508	09113	82824	87275	
Culdrose	809	52516	70011	28313	32401	07113	83818	85072	
Guernsey	894	72712	84021	29213	22501	06117	82828	86075	
Elmdon	534	32211	75021	24210	00902	04009	83072		
Cardington	559	62411	60012	25410	00908	06110	86275		
Wittering	462	22412	81011	24210	00902	05108	82075		
Watnall	354	72110	56052	22709	10931	06004	81365	87075	
Shawbury	414	42518	78031	22411	28405	06000	81818	84272	
Finningley	360	42012	70011	21309	10972	04004	81360	84075	
Spurn Point	396	42209	62011	22009	20978	05008	82360	83275	
Leeming	257	32117	82021	18111	38502	05000	82822		
Tynemouth	262	22523	80020	14811	11530	03809	81820		
Carlisle	222	82316	58638	14909	884//	07809	82714	86620	88628
Valley	302	72332	84021	20512	785//	07102	81822	87657	
Ringway	334	72113	75031	21809	18502	07002	81825	87075	
Squires Gate	318	72224	80031	20011	48552	07002	82823	83645	85360
Ronaldsway	204	72424	81211	17511	48532	06301	82823	84645	86358
Mull of Galloway	131	52340	80031	14610	38501	07103	81825	83630	85070
Eskdalemuir	162	82123	68616	13807	854//	05509	87715	88630	
Prestwick	135	72426	82258	12209	68442	06301	83818	85824	
Abbotsinch	140	62323	65158	10309	694//	05503	82917	84822	
Leuchars	171	72321	64616	09008	5847/	05711	81712	84816	85359
Dyce	091	72220	80806	07506	58462	03504	81714	83830	86359
Lerwick	005	72325	65278	99604	793//	00305	82708	84910	86815
Wick	075	72223	70808	03405	5943/	03506	81710	83914	85359
Sule Skerry	010	72526	74168	00605	53403	05502	85910	87070	
Cape Wrath	049	72729	66888	01204	794//	03106	87915		
Stornoway	026	72516	56878	03905	793//	03322	83708	86911	
Benbecula	022	32728	70278	06006	39400	03329	83912		
Tiree	100	62624	82158	08809	634//	04223	81712	81915	85822
Aldergrove	917	62318	70021	14908	48431	06306	82710	83635	85075
Malin	980	72624	70809	12211	734//	07222	85918	84630	
Belmullet	976	52322	68018	14811	435/2	08219	84820	81920	
Birr	965	72409	66808	19509	784//	08107	82716	84820	87632
Dublin	969	72320	75011	18310	556/2	05302	83630	83645	85070
Shannon	962	62814	58808	19812	684/2	09105	83715	85820	
Roches Point	952	72319	65808	22512	784//	10002	86714	83638	
Valentia	953	72219	70808	21613	785//	10213	86824	86650	

OBSERVATIONS at 18h. 13 November 1978

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	62310	82022	28708	14601	06309	81630	86075	
862	52306	80012	29411	18501	07213	81820	85075	
797	32110	80021	29207	00902	05216	83072		
776	72106	70032	29008	15602	06112	81635	87075	
775	62006	80022	28109	00901	06210	86075		
772	62108	70032	27710	15701	08309	81650	86075	
586	62011	75032	26408	00902	06110	86075		
590	52010	64031	27208	00902	05009	85075		
497	32011	66011	26009	30970	06210	83458		
502	42320	68018	25011	18431	09209	81818	83359	
628	72408	65801	27711	685/6	07209	84820	84628	87273
715	72414	75258	27212	784//	08208	83818	87636	
703	72630	74032	26713	745//	09208	87625		
827	62513	75012	29413	18531	09110	81820	83360	85075
817	31909	80011	29210	15632	08211	81640		
804	72513	80021	29812	30978	09211	83360	85275	
809	52413	68021	29512	00902	09209	85070		
894	22612	84011	31411	22402	06215	82818		
534	62114	75031	24910	25502	06306	82628	84075	
559	82214	72032	26509	00907	07308	88278		
462	52111	75031	25408	35601	06310	81630	83645	
354	72212	60216	23509	35702	07208	83650	87075	
414	62313	74258	23410	28508	08003	81820	86270	
360	72013	70021	21810	15608	06307	81630	87275	
396	52015	64021	22610	20976	06208	82460	85275	
257	72213	80028	18811	11502	07219	81822	87072	
262	22310	81011	16310	00901	04213	82075		
222	72414	70028	17211	3857/	07208	81820	83645	87462
302	72422	70256	22112	38472	10310	82818	85360	87075
334	62213	65018	21809	15638	08400	81640	86270	
318	72319	70216	21112	6847/	10208	82817	86646	87360
204	82318	81032	19411	5857/	08111	82820	84645	88360
131	82427	81022	17111	4642/	08310	84710	88460	
162	82214	57608	16508	883//	07210	85707	88630	
135	82417	75258	15310	884//	07114	81712	83820	88650
140	82314	57808	14108	893//	06210	82707	81914	86818
171	82311	70038	13007	2857/	04217	81820	84360	88465
091	61907	84028	11104	25602	01223	81632	85070	
005	62526	80279	01204	694//	00121	82910		
075	22423	80028	07204	29463	01221	82915		
010	62734	62278	03407	39463	06310	83910	85358	
049	62730	60888	03905	694//	04221	86915		
026	32515	80258	06905	19432	03214	81916		
022	72625	70808	09407	52402	04219	85816	86070	
100	72516	75028	12008	33476	05214	81710	81916	85359
917	72311	80258	17109	68538	07111	83821	85632	87275
980	82318	80258	14609	4247/	06216	84818	88464	
976	82219	65508	16011	864//	09307	86719	88632	
965	72213	70608	20511	764/2	09106	85715	86635	87070
969	42315	80011	20311	256/2	07220	82645	84070	
962	72009	80018	20912	48548	10204	81820	84638	86270
952	72218	75808	24112	784//	10311	86713	85635	
953	72015	70018	21913	785//	11101	83822	87645	

OBSERVATIONS during DAY

iii	RRT×T×E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00121	043	+	+
862	00131	044	+	+
797	00110	029	+	+
776	00121	039	+	+
775	00121	038	+	+
772	00121	030	+	+
586	00110	033	+	+
590	00100	038	+	+
497		017		
502	92131	028	pr_o	+
628	97121	031	pr_o	pr_o
715	95131	038	pr_o	pr_oprpr_o
703	91131	045		
827	00131	049	+	+
817	00141	053	jp	+
804	00140	048	+	+
809	00130	052	+	+
894	00130	058	+	+
534	00121	051	+	+
559	00121	044	+	+
462	00111	037	+	+
354	97111	027	+	d_or_o
414	93121	029	$pr_or_or_o$	$r_or_opr_o$
360	00111	022	+	+
396			+	+
257	97121	044	pr_o	+
262	00111	054	+	+
222	04111	009	$pr_orRr_opr_o$	pr_o
302	03131	011	ir_o	pr
334	97111	030	pr_o	+
318	91121	020	r_or_o	r_or_o
204	97121	000	r_o	+
131	97111			
162	12082	000	rr_opr_o	pr_or_or
135	02101	003	pr_o	pr_o
140	12102	013	$pr_orr_oph_ophr$	pr_oprrr_o
171	04081	003	r_orpRpr_o	pr_o
091	97071	024	$r_oir_opr_o$	+
005	04066	005	$ph_or_os_o$	$ph_or_os_oTLphr$
075	02051	024	pr_opr	pr_o
010	06092			
049	01072	017	phr	$phrph_or_o$
026	01061	021	$pr_oph_or_o$	$ph_or_opr_o$
022	01081	026	$prphrpr_o$	pr_o
100	05091	023	phrpHR	ph_ophrpr_o
917	97111	010	r_opr_o	pr_o
980	0711	012		
976	0412	006		
965	0311	001		
969	0012	020		
962	0213	008		
952	0314	025		
953	0214	015		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

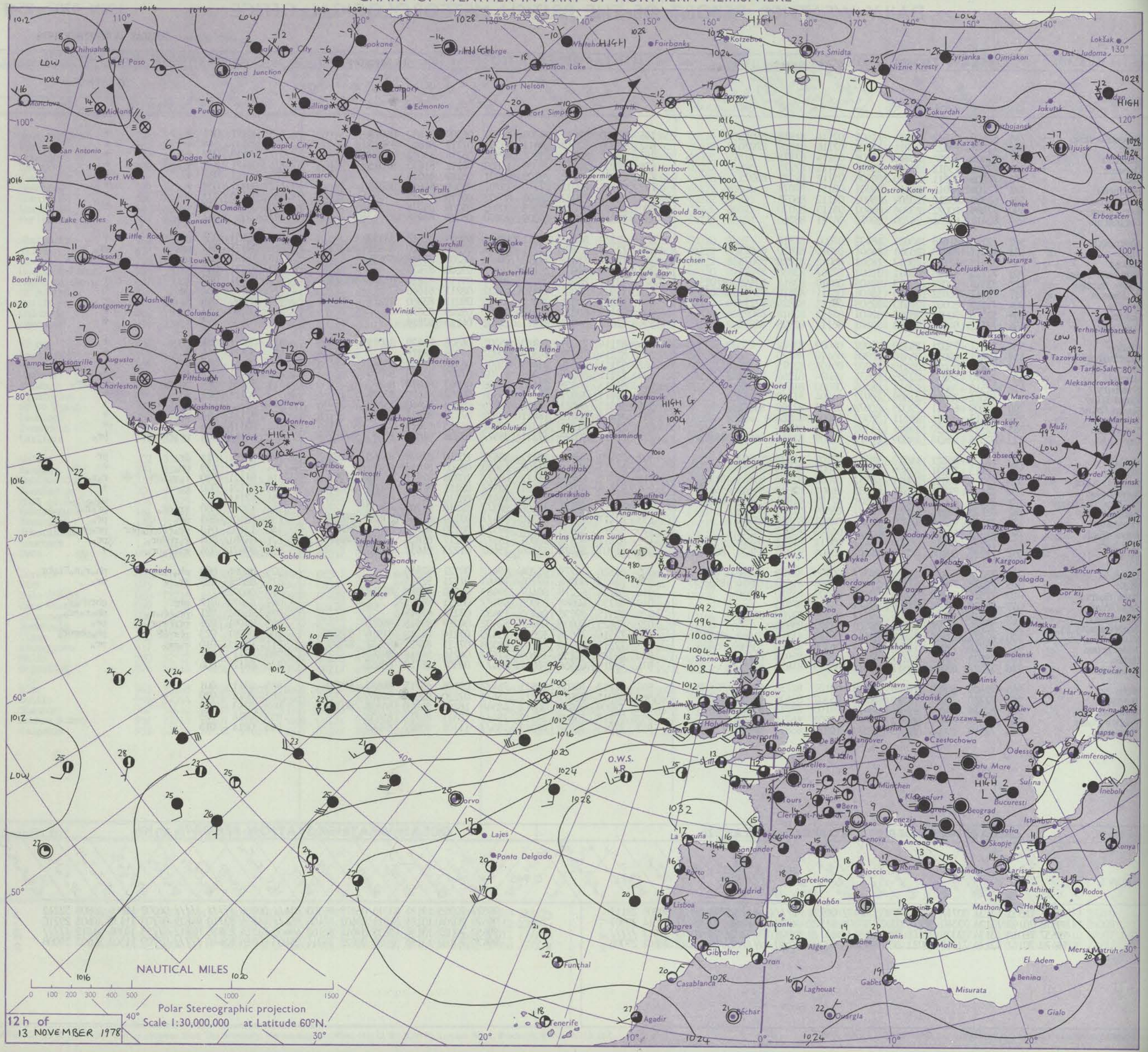
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vsapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	13121	80717	97616	87805	8742/	00791	/////	/////	05704	10830	30908	28111
	99570	70199	13124	72540	97278	03507	59306	61222	82708	82912	0//02	11142	31014	29907
	99657	70019	13124	82338	97878	78003	894//	61129	84808	88912	0//01	10673	31013	/////
	99470	70167	13124	72115	98022	28513	756//	00207	87640	/////	0//09	11529	30602	29008

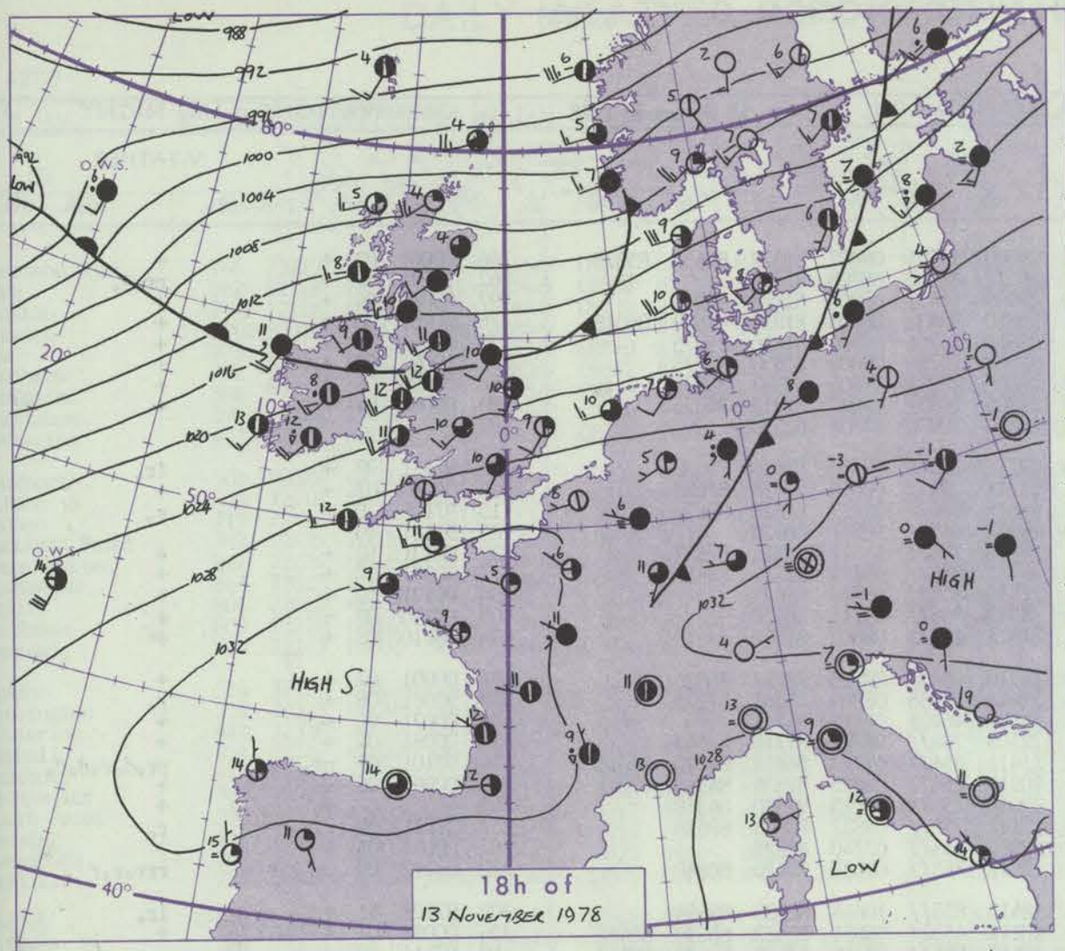
OCEAN WEATHER STATION REPORTS at 18h.

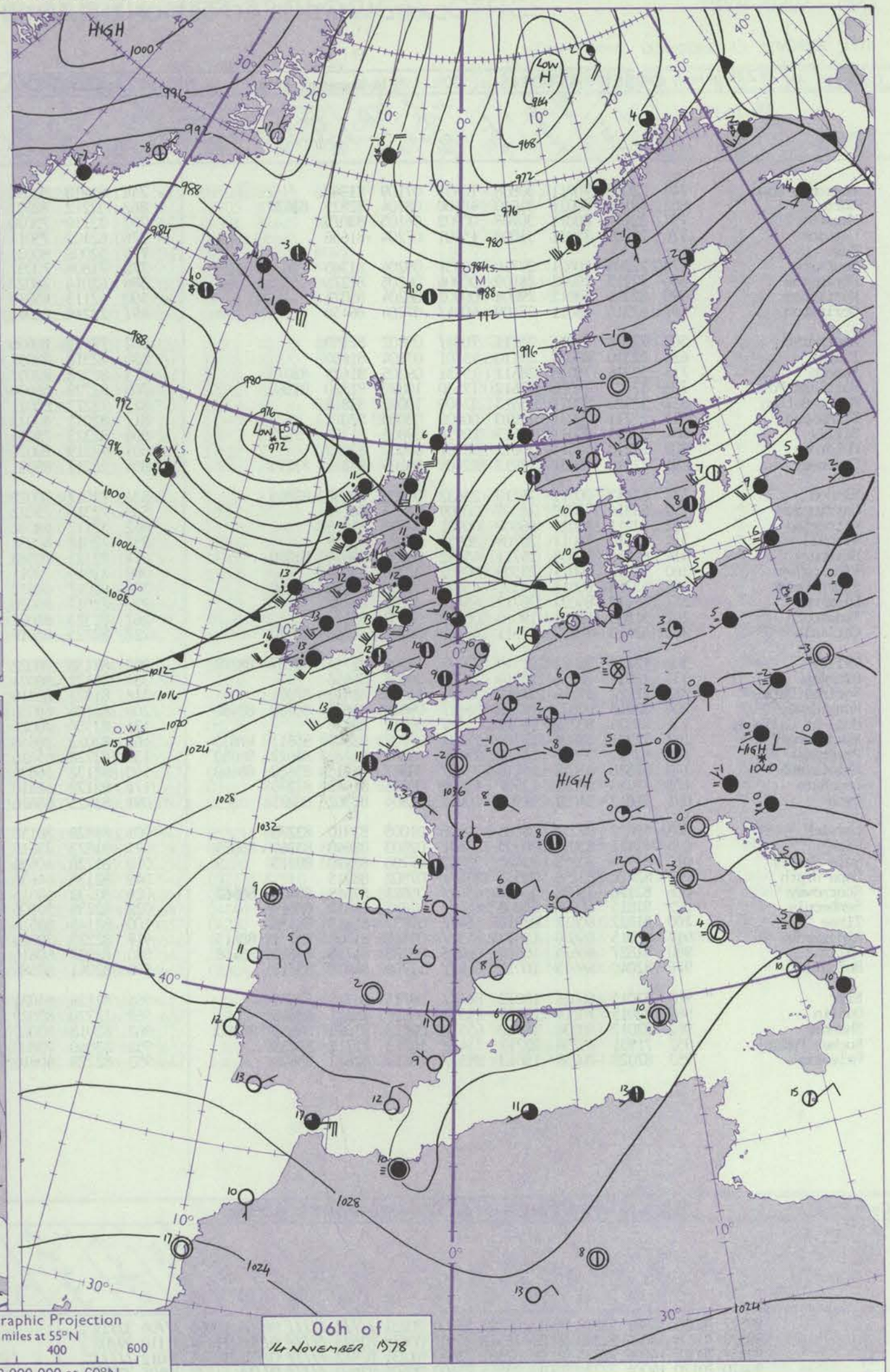
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vsapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	13181	83315	96878	96303	834//	00286	/////	/////	06002	10864	30808	32212
	99570	70204	13184	81811	98602	97406	854//	61856	82710	84625	0//03	11139	30603	29210
	99657	70022	13184	42635	97018	82102	49400	61214	83810	82912	0//53	10394	31012	/////
	99470	70168	13184	51928	98022	24814	55600	00814	85640	/////	0//09	11502	30603	29008

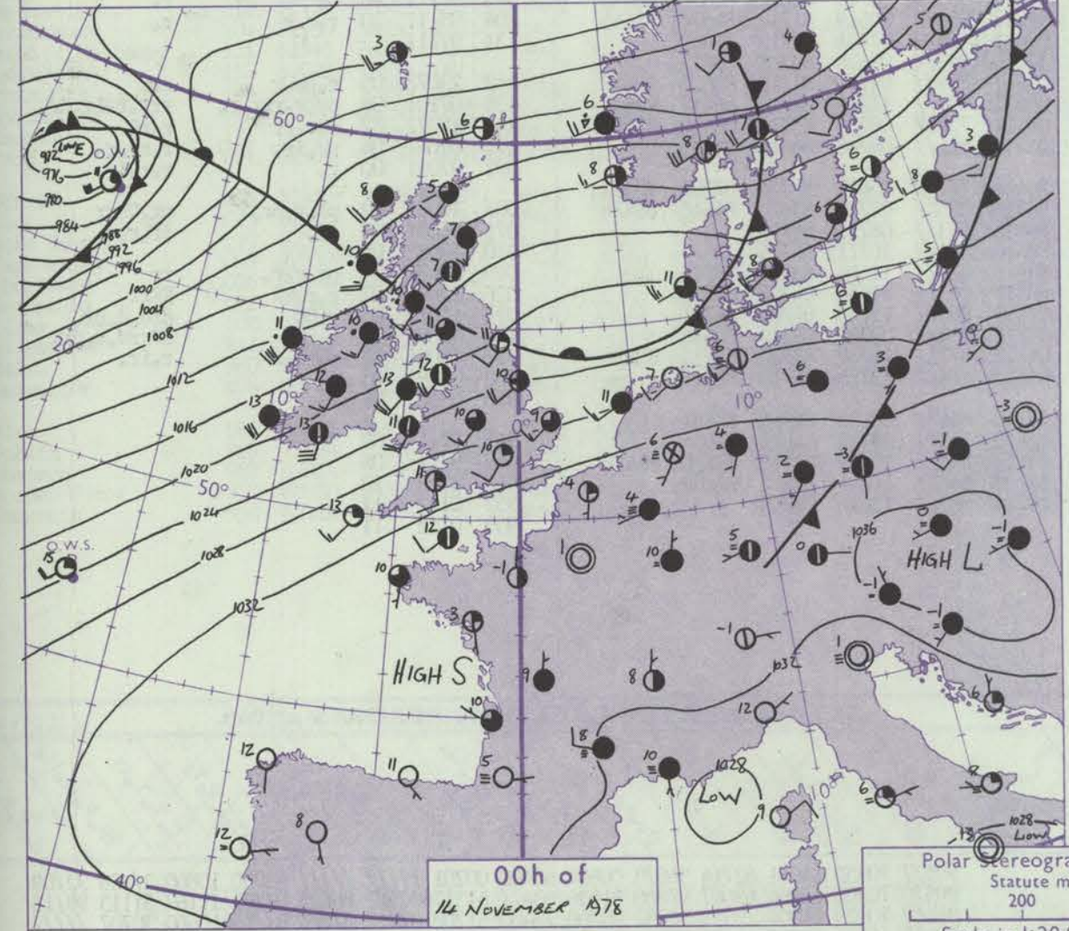
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 TUESDAY 14 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours most northern parts of Britain have experienced strong westerly winds due to a depression in the Norwegian Sea while a weak ridge developed in the south. A further depression rapidly approaching northwest Britain has brought storms to these parts.

During the next 24 hours the depression near Faeroes is expected to move to the Norwegian coast to be succeeded by another depression now developing in Mid-Atlantic.

Code FM 11.V **OBSERVATIONS at 00h.** 14 November 1978

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	22013	70011	30808	10931	07109	81362		
Hurn	862	42105	80021	31010	48500	08104	82825	83635	
Manston	797	32210	80011	30708	00902	06105	83075		
Gatwick	776	22209	70031	31008	15701	07204	81656		
Kew									
Heathrow	772	22209	70021	29710	10931	09204	81365		
Honington	586	72212	70032	28109	00906	06205	87275		
Wattisham	590	52311	60012	29008	00902	06204	85075		
Gorleston	497	62315	66011	27409	6091/	07204	86458		
Aberporth	502	72018	65021	25211	7093/	09802	87359		
Filton	628	22310	80038	29110	15701	07104	81650		
Rhoose	715	32314	78018	28611	15531	09205	81625	83075	
Hartland Point	703	32425	74016	27612	12530	10802	81820	83360	
Mount Batten	827	32320	80021	30513	32400	10002	83818		
St.Mawgan	817	21711	80031	29910	00902	08000	82075		
Scilly	804	22214	80011	29613	10938	09806	81360		
Culdrose	809	22216	68011	30212	00901	09000	82072		
Guernsey	894	72312	85031	32912	22408	08105	82816	87275	
Elmdon	534	62113	70011	26510	25632	08002	82630	83365	
Cardington	559	62314	75032	28109	00909	07303	86175		
Wittering	462	52211	64021	26808	00901	07500	85075		
Watnall	354	32110	75011	25208	30930	07103	83359		
Shawbury	414	61810	80038	24711	45532	08303	84620	84070	
Finningley	360	31913	70011	23509	00902	07006	83075		
Spurn Point	396	52318	66012	24310	4567/	08208	84635	85360	
Leeming	257	62113	84022	20712	65600	08101	86632		
Tynemouth	262	51808	81021	19010	00909	06207	85175		
Carlisle	222	62413	70252	17511	48402	09701	81714	85070	
Valley	302	82228	68022	21913	754/7	11708	82714	87657	88270
Ringway	334	12012	75011	23610	15700	09004	81656		
Squires Gate	318	72222	65016	21412	2547/	10702	81615	87364	
Ronaldsway	204	82218	60602	19212	5561/	09810	81630	85650	88460
Mull of Galloway	131	82335	80252	16912	856//	09812	88630		
Eskdalemuir	162	72221	58806	16309	783//	08709	82709	85817	87635
Prestwick	135	82010	58638	15410	7542/	09809	81712	83622	86650
Abbotsinch	140	82320	62618	14410	3542/	09811	81715	83620	88460
Leuchars	171	72313	80028	13607	15608	05805	81640	87270	
Dyce	091	81812	84031	11907	10947	03804	81362	88275	
Lerwick	005	52422	82258	06106	49408	01005	83910	83270	
Wick	075	62111	82038	08505	25632	02803	82640	83360	85075
Sule Skerry	010	82724	80258	05407	23507	07706	82920	88275	
Cape Wrath	049	82726	82258	05507	834//	07802	88915		
Stornoway	026	82114	75038	05608	6542/	05821	83618	85628	88462
Benbecula	022	81815	65608	05808	854//	07837	83712	88617	
Tiree	100	81922	60618	08510	5542/	09837	85618	88458	
Aldergrove	917	82015	65608	15810	853//	09817	81708	83711	88615
Malin	980	81827	65616	10510	6642/	09738	84715	84640	88458
Belmullet	976	82040	56615	10011	864//	11740	84710	88716	
Birr	965	82015	66026	18812	864//	09714	86716	87633	
Dublin	969	82015	70216	18912	855//	09817	85621	88645	
Shannon	962	82012	80036	18812	6557/	09715	83625	84650	88460
Roches Point	952	71931	75258	22713	754//	10713	81712	87635	
Valentia	953	82028	70258	19813	885//	10812	82822	88640	

OBSERVATIONS at 06h. 14 November 1978

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	61910	80031	29009	48531	08807	81822	84632	85075
862	32212	82021	29512	38500	08708	82825		
797	32110	75030	29909	18431	07803	81818	83075	
776	62107	75011	29810	38432	08705	81818	83628	86078
775	52008	80021	28510	15701	08704	81650	85075	
772	71808	70031	28509	15736	09806	81650	87278	
586	62014	75022	26809	20931	07805	82363	85075	
590	42113	65011	27808	10932	07807	81365	84075	
497	22216	66011	26510	20970	07806	82358		
502	72123	70606	22712	755//	09510	87626		
628	72316	80031	27211	784//	08614	81818	87628	
715	82318	82031	26812	884//	08712	81818	88626	
703	82729	66606	24912	845//	10817	88620		
827	72223	80021	28813	784//	11711	81818	87632	
817	82015	80021	27712	854//	09714	82716	88622	
804	82323	75031	27513	856//	09713	88635		
809	82219	70021	28313	855//	09711	88620		
894	22217	85031	31911	10931	08602	81360		
534	72017	70022	24110	6543/	07715	82712	86626	
559	72318	75022	26611	50938	08709	85362	87275	
462	52117	68031	24909	46401	07713	84711		
354	72018	60031	22109	754//	08724	81710	87640	
414	82125	70588	21411	854//	07723	84615	84630	88645
360	71815	75011	20210	25672	08825	82635	84360	87075
396	62017	66012	22010	2567/	08715	82630	86359	
257	72017	80026	17112	754//	08822	83616	87628	
262	82323	81022	12913	855//	07740	88628		
222	82225	65616	12512	855//	09627	82620	88640	
302	82138	70022	18413	855//	10616	82620	88638	
334	82122	80021	20212	6552/	08821	82622	85630	88462
318	81921	80216	18612	855//	08716	83622	85630	88640
204	82126	68036	14213	854//	09519	81712	84626	88645
131	82350	70026	09412	4642/	07834	84715	88460	
162	82027	20658	10810	853//	09628	85708	88617	
135	82228	65616	06711	854//	09740	81715	85620	88628
140	82132	56636	04611	854//	11749	82712	85617	88645
171	82128	62616	04111	7542/	09755	85715	86628	88460
091	81925	65616	01111	854//	08768	86615	88625	
005	81828	30158	94406	7722/	05877	83704	87708	88525
075	81823	75616	93310	5552/	07797	83620	84640	88459
010	81728	40656	88608	873//	087120	88708		
049	82135	64636	88010	874//	107113	88715		
026	82232	62615	88411	873//	11664	83706	88711	
022	82238	50506	90611	863//	11644	84706	88709	
100	82145	50516	97412	863//	12739	84709	88711	
917	82223	70026	08712	854//	09733	82714	88616	
980	82037	60616	01812	5732/	11739	83709	85715	88556
976	82041	50586	04413	864//	13726	85710	88716	
965	82124	64022	13713	864//	09622	86714	87631	
969	72220	80022	13613	755//	08724	84622	86635	
962	82018	80022	14113	854//	10719	82715	83620	87628
952	82040	70808	18713	884//	10721	85818	88639	
953	82229	40616	16014	863//	13616	88708		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00061	03	+	+
862	91091	06	+	pr_or_o
797	00071	04	+	+
776	00061	00	+	+
775	00091	50	+	+
772	00081	06	+	+
586	00090	06	+	+
590	00060	04	+	+
497				
502	97111	09	+	ir_o
628	00090	07	+	+
715	97101	10	+	r_o
703	91121	10		
827	00131	10	+	+
817	00091	07	+	+
804	00121	10	+	+
809	00110	09	+	+
894	00110	08	+	+
534	00091	07	+	+
559	97081	06	+	r_o
462	00071	06	+	+
354	00081	04	+	+
414	97101	07	pr_o	$pr_od_or_od_or_o$
360	00091	06	+	+
396			+	+
257	97111	08	r_or_o	r_o
262	00091	05	+	+
222	03112	09	pr_or_o	rrr_or_or
302	97121	11	+	ir_o
334	00091	07	+	+
318	97111	10	r_o	r_o
204	95111	10	r_or_or	r_o
131	91111			
162	23072	05	r_opr_or	rrR
135	07101	08	$pr_or_orrr_or_o$	$rrr_or_oir_odr$
140	18072	07	r_or_orr	r_orR
171	02061	04	pr_oir_o	$r_orr_or_o$
091	97041	00	r_o	$r_or_oir_o$
005	10022	50	$ph_or_opr_o$	pr_oRRrr
075	95031	00	ir_o	$ir_or_or_o$
010	13052	05		
049	18032	04	$pr_or_or_o$	rr
026	12061	02	r_or_oRR	RRrr
022	12071	05	rrRR	$drd_od_opr_o$
100	16091	06	r_orRR	$RRrrd_od_odr_o$
917	03091	07	r_orr_or	r_oir_o
980	0809	08		
976	0810	09		
965	9711	09		
969	9211	08		
962	9312	10		
952	0112	11		
953	0112	11		

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

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwTT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	14001	53012	98018	06203	52500	00231	/////	/////	06054	10868	3//06	32/12
	99570	70205	14004	22242	98016	76511	25501	00678	82625	/////	0//08	11174	31110	99/08
	99657	70025	14004	72635	98021	87501	72400	61231	87812	/////	0//51	10644	31012	/////
	99470	70170	14004	22220	98011	23515	25600	00605	82640	/////	0//14	11527	30605	29010

OCEAN WEATHER STATION REPORTS at 06h.

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwTT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	14061	62714	96878	06604	63400	00201	/////	/////	05950	10860	3//06	32/09
	99570	70202	14064	63047	97808	91606	634//	61317682912	86625	0//05	11169	31113	99/15	
	99658	70029	14064	72922	98032	90200	78400	61208	82817	87625	0//55	10660	30707	/////
	99468	70171	14064	62223	98021	22915	65600	00501	86630	/////	0//15	11526	30708	29006

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. 42727

Date of Issue WEDNESDAY 15 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 14 November 1978

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	72219	82212	28113	755//	09707	85620	87635	
Hurn	862	82318	70216	29114	854//	09806	82718	86625	88650
Manston	797	72118	80026	28513	784//	09710	83712	87622	
Gatwick	776	82319	66212	28913	884//	10805	81818	84625	88635
Kew	775	72214	72026	27214	785//	08810	81820	87630	
Heathrow	772	72115	77026	26914	785//	09812	81822	87632	
Honington	586	72119	82022	24513	755//	08715	82622	87628	
Wattisham	590	72324	75031	25512	754/2	07716	81616	84630	87645
Gorleston	497	71924	60151	23813	4157/	08721	84825	87360	
Aberporth	502	82029	64506	21113	854//	10809	86615	88630	
Filton	628	72418	80032	25514	785//	08813	81822	87640	
Rhoose	715	72417	78036	25813	755//	09807	82620	87636	
Hartland Point	703	72435	74026	24313	785//	10601	81820	87650	
Mount Batten	827	72224	68025	28915	784//	12703	81716	87656	
St.Mawgan	817	72023	80032	27614	784//	10605	82816	87640	
Scilly	804	72420	62031	27315	3647/	10807	83712	87360	
Culdrose	809	72218	64032	28214	754//	12803	81710	87630	
Guernsey	894	72219	81031	32013	784/1	09000	81818	87632	
Elmdon	534	72121	80022	22414	45532	08808	81625	83640	87070
Cardington	559	72325	80016	24414	48538	08709	83820	83635	87275
Wittering	462	72320	82012	22413	48502	08807	81825	83656	87075
Watnall	354	72322	68022	19613	5557/	09711	81625	85645	87359
Shawbury	414	82220	80026	20014	855//	09807	82620	88635	
Finningley	360	72025	80032	17814	55572	08613	85627	87075	
Spurn Point	396	72024	65032	18213	35578	08817	83625	86360	86275
Leeming	257	72124	75212	13414	65538	10714	86620	86270	
Tynemouth	262	72323	80022	08215	45671	10725	84630	86358	
Carlisle	222	82427	70216	09814	854//	11609	83712	84616	88625
Valley	302	82140	58606	16813	874//	12603	88710		
Ringway	334	72223	75212	18214	6547/	09609	81715	86625	87460
Squires Gate	318	72127	60612	15813	784/8	11512	81818	87625	
Ronaldsway	204	82130	58606	11814	854//	12804	82710	84715	88628
Mull of Galloway	131	82345	70022	08513	7642/	12317	87715		
Eskdalemuir	162	82029	35636	08112	873//	11713	86708	88712	
Prestwick	135	82426	50596	05713	7522/	13312	81704	85710	87616
Abbotsinch	140	82420	60216	03913	854//	12308	82712	85620	88650
Leuchars	171	62325	70256	00813	38432	11506	81710	86075	
Dyce	091	32134	84256	93515	11502	09522	81820	83075	
Lerwick	005	52446	58256	79911	58300	06639	82709	83812	
Wick	075	32533	75016	87113	38430	05504	82818		
Sule Skerry	010	62556	12258	82910	632//	08301	85705	86910	
Cape Wrath	049	72753	48818	81109	794//	04310	87910		
Stornoway	026	72544	64808	87609	724//	07328	82710	87814	
Benbecula	022	72645	45256	94410	783//	04351	83709	85812	
Tiree	100	72640	58056	02010	3545/	05264	83618	87362	
Aldergrove	917	82420	58606	08814	852//	13315	83705	84707	85710
Malin	980	72735	58106	07712	784//	07258	82710	83818	85632
Belmullet	976	82718	59215	10812	6647/	08241	82711	84716	88459
Birr	965	82313	30616	14214	7732/	13305	87707	88550	
Dublin	969	72324	80606	12615	664/2	13303	85710	86716	86070
Shannon	962	82324	50596	14714	873//	14109	85708	88711	
Roches Point	952	82030	35588	18914	862//	13006	88704		
Valentia	953	82126	50606	16715	864//	14106	85710	88718	

OBSERVATIONS at 18h. 14 November 1978

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	72119	70022	26413	754//	09503	85615	87640	
862	72316	68012	27914	755//	10705	87624		
797	62116	68022	27411	15502	09301	81620	86075	
776	72316	75036	27513	754//	09000	86618		
775	72214	75022	26113	6852	09301	81820	86650	
772	72113	70036	25714	755//	09301	82620	87645	
586	62216	81022	23013	35505	08501	83622	86075	
590	72219	75022	24112	20932	08702	82364	87075	
497	72122	66032	22313	7097/	08803	87360		
502	82126	58585	20513	872//	13501	82703	88706	
628	72317	70215	24814	755//	11601	82620	87630	
715	82314	68602	24413	854//	11500	88614		
703	82634	30616	23013	872//	12002	88705		
827	82222	70032	27114	854//	12804	81710	83615	88640
817	72018	68022	25913	754//	11703	83710	83620	87630
804	72218	62022	26014	754//	13612	87618		
809	72120	60102	26813	754//	12502	82710	87625	
894	62217	82011	30313	684//	10703	81816	86635	
534	82119	68022	21613	863//	11500	85709	88712	
559	72320	70032	23514	755//	10500	87626		
462	72320	82022	21213	754//	10303	83616	86628	
354	82118	65022	19413	854//	11000	88618		
414	72322	80022	19315	754//	11503	82615	87620	
360	72023	81022	16815	655/2	11802	86620	87075	
396	52222	65022	17314	35572	10502	83620	85275	
257	72120	70606	13615	45442	12302	84618	87075	
262	72515	80028	12812	7097/	06244	87358		
222	82510	35616	13710	6537/	10229	83707	85640	86360
302	82132	57026	16414	862//	13301	88705		
334	52224	80012	17514	45531	12505	84628		
318	82227	62026	16014	853//	13500	81708	85613	88625
204	82913	25596	15410	3722/	09125	81703	83714	88550
131	82914	60616	14610	874//	08225	88710		
162	82516	58606	13407	6547/	04224	81715	86630	88460
135	82816	56598	13109	6522/	06223	81705	83630	85636
140	82513	65606	11810	5567/	05225	81632	85642	88460
171	72426	70022	08009	15612	03113	81645	84462	87070
091	62513	80031	06809	30972	02360	81360	83362	
005	73027	56808	92007	794//	053114	86910		
075	52829	68251	02907	12432	02396	81815	85072	
010	83230	74808	00508	42507	08289	84820	88275	
049	72742	70808	02707	794//	052116	87910		
026	82714	62808	06407	694/7	04180	83914	85625	88272
022	82819	70258	07808	5847/	04144	82815	84627	88360
100	72615	62012	10409	3557/	04231	83625	87465	
917	82607	60216	13709	6542/	07114	81712	85640	88458
980	82712	75606	11810	7542/	07115	82716	86640	88459
976	81905	57616	12809	4642/	08304	81710	83716	88458
965	81201	30616	15311	862//	10205	88705		
969	82904	50516	15611	863//	10323	88706		
962	82411	56586	14514	872//	13303	82705	85708	88711
952	82027	57586	18014	863//	13804	88707		
953	82027	58216	15515	864//	14604	88710		

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97131	001	r_o	+
862	97141	000	r_o	+
797	97131	006	ir_o	+
776	97131	004	r_o	+
775	97151	010	r_o	+
772	97150	008	$d_or_o-r_o$	+
586	00140	006	+	+
590	00140	011	+	+
497		010		
502	92141	000	$id_od_or_o$	$r_or_od_or_o$
628	91151	002	d_o	d_oir_o
715	97141	015	r_o	ir_o
703	01142	005		
827	97151	005	d_o	+
817	00151	003	+	+
804	94151	025	+	ir_o
809	00140	010	+	+
894	00140	029	+	+
534	97141	002	+	id_o
559	97150	019	ir_o	+
462	00140	002	+	+
354	00131	000	+	+
414	00151	000	+	+
360	00151	000	+	+
396			+	+
257	97150	008	r_o	r_o
262	97161	021	pr_o	pr_o
222	09142	000	$r_or_orr_oR$	$rRrrr_or_o$
302	97141	000	ir_oid_o	id_o
334	97141	000	pr_o	+
318	04141	000	r_or_or	r_orRdrd$_or_o$
204	05141	000	ir_or	r_or_oRDR
131	07132			
162	23122	000	rrRr	= rr_o
135	08152	000	$ir_od_or_odr$	$pr_odrrrr_or_o$
140	06141	000	rr_oR	$ir_or_or_o$
171	01151	001	r_or_opr	+
091	97161	030	pr_o	+
005	06112	001	$rrpr_opr$	$prpr_o$
075	92141	015	ir_opr_o	pr_o
010	06122			
049	03122	000	$prpr_o$	pr_o
026	02131	000	pr_o	pr_oprpr_o
022	91131	000	pr_o	pr_o
100	94131	000	r_or	+
917	04142	000	$ir_oid_or_orr_o$	$r_or_orrr_o$
980	9515	000		
976	0514	000		
965	0815	000		
969	0615	002		
962	1115	000		
952	0215	000		
953	9515	000		

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

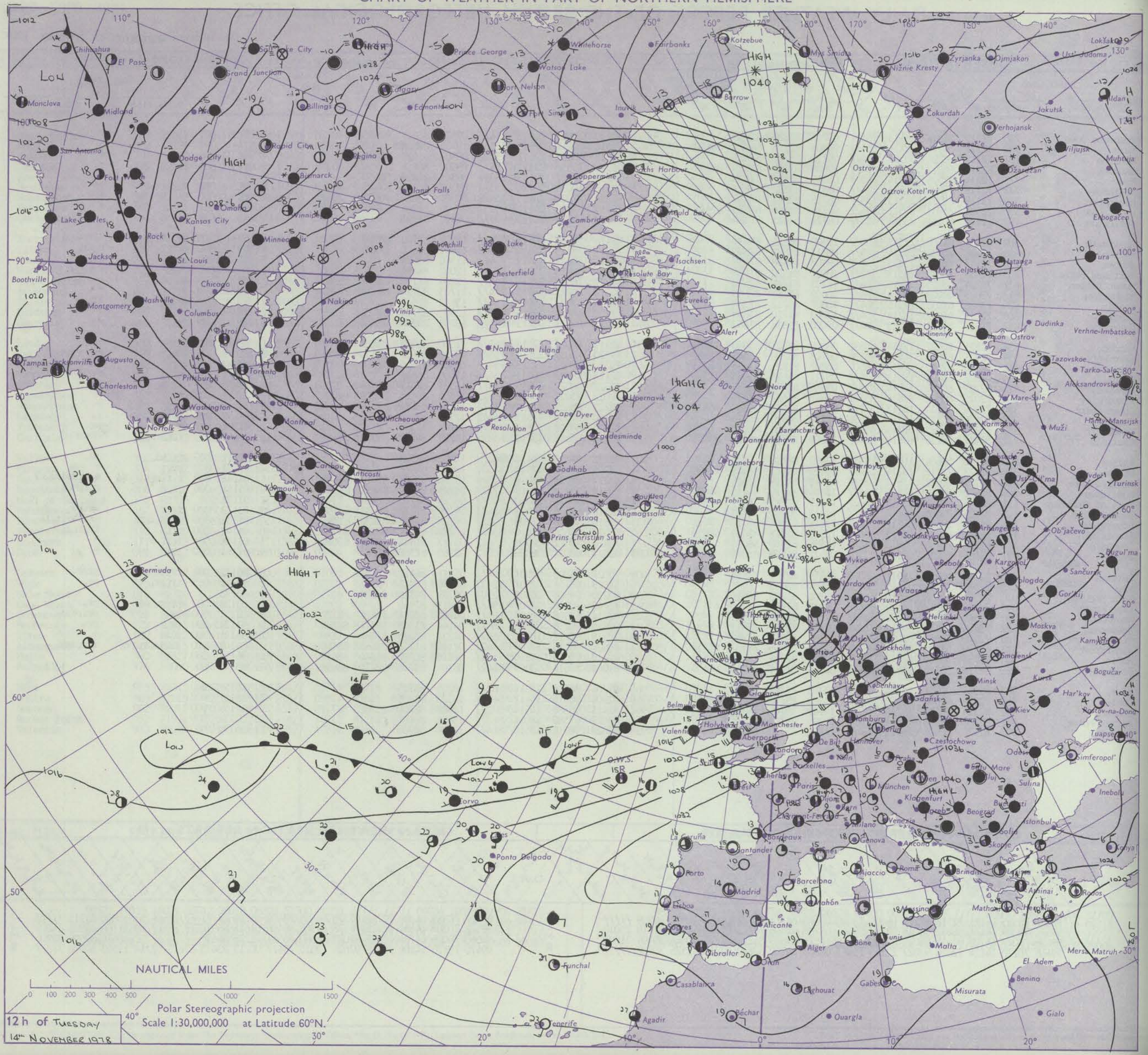
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_{sapp}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	14121	72718	97278	06604	73400	00108	/////	/////	05853	10822	30909	/////
L	99572	70205	14124	52832	98018	03707	29464	61238	82916	/////	0//50	11100	31010	25010
M	99659	70019	14124	53416	98012	85950	45508	12824	84620	85270	0//53	10664	30404	31905
R	99468	70170	14124	72026	97022	22715	754//	00803	84710	87640	0//15	11525	30708	/////

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	14181	72723	97278	06503	73400	00704	/////	/////	06153	10830	31215	/////
L	99572	70207	14184	52125	98178	01908	59400	51614	85910	/////	0//02	11100	30905	24009
M	99665	70006	14184	73525	97022	88300	65501	11233	86620	/////	0//52	10676	30506	32906
R	99470	70170	14184	72128	97026	19315	754//	00713	83613	87633	0//14	11503	30708	/////

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

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


LOW
HIGH
1040
Whitehorse
Fairbanks
Kotzebue
Prince George
Watson Lake
Fort Nelson
Calgary
Edmonton
Billings
Salt Lake City
Grand Junction
Dodge City
Rapid City
Regina
Bismarck
Omaha
Kansas City
Winnipeg
Minneapolis
St. Louis
Chicago
Nashville
Columbus
Detroit
Toronto
Pittsburgh
Montreal
Ottawa
Washington
Norfolk
New York
Charleston
Augusta
Jacksonville
Tampa
Montgomery
Jackson
Boothville
Lake Charles
San Antonio
El Paso
Midland
Monclova
Chihuahua
Inuvik
Barrow
Coppermine
Sachs Harbour
Cambridge Bay
Arnold Bay
Isachsen
Resolute Bay
Eureka
Alert
Churchill
Lake
Chesterfield
Coral Harbour
Nottingham Island
Winisk
Moosonee
Port Harrison
Clyde
Cape Dyer
Resolution
Frobisher
Fort Chimo
Nain
Goose
Stephenville
Gander
Cape Race
Sable Island
Bermuda
Caribou
Anticosti
Yarmouth
HIGH
1004
Upernavik
Godthab
Frederikshab
Narssarssuaq
Prins Christian Sund
Angmagssalik
Kap Tobin
Jan Mayen
Keflavik
Reykjavik
Thorshavn
Lerwick
Stornoway
Aberporth
Holyhead
Manchester
Valentia
Belmullet
Shannon
Ponta Delgada
Lajes
Terceira
Corvo
Funchal
Tenerife
Casablanca
Agadir
Gibraltor
Tarifa
Cadiz
Lisboa
Porto
Madrid
La Coruña
Santander
Bordeaux
Brest
Paris
Nantes
Cherbourg
Jersey
Guernsey
Le Havre
Bruxelles
Ostende
De Bilt
Hamburg
Hannover
Berlin
Köln
Frankfurt
Aachen
München
Klagenfurt
Graz
Beograd
Venezia
Milano
Genova
Ancona
Roma
Ajaccio
Barcelona
Mahón
Alicante
Alger
Oran
Bône
Tunis
Malta
Messina
Brindisi
Athinai
Rodos
Heraklion
Mathoni
Gabes
Misurata
Benina
El Adem
Mersa Matruh
Gialo
Quargla
Ghadames
Béchar
Ghouat
Tripoli
Sfax
Kopenhavn
Danmarkshavn
Daneborg
Ittoqqortoormiit
Barentsburg
Tromsø
Bodø
Sodankylä
Murmansk
Arhangel'sk
Ob'jačevo
Pechora
Vorkuta
Mys Želaniya
Ostrov Dikson
Mys Čeljuskin
Ostrov Kotel'nyi
Ostrov Kotel'nyi
Tiksi
Čokurdah
Nižnie Kresty
Zyrjanka
Ojmjakon
Verhojansk
Jokutsk
Ust' Udoma
Lokčakon
Aldan
Viljujsk
Ožarožan
Olenek
Tura
Dudinka
Verhne-Imbatskoe
Tazovskoe
Tarko-Sale
Aleksandrovsk
Mare-Sale
Muži
Hanty-Mansijsk
Turinsk
Ivdel'
Usť-Ulma
Ust'-Kulom
Sosnogorsk
Ukhta
Pečora
Vaasa
Ostersund
Helsinki
Stockholm
Oslo
Bergen
Trondheim
Lerwick
Thorshavn
Moskva
Gor'kij
Kirov
Penza
Kazan'
Sančursk
Vologda
Rybinsk
Kargopol'
Reboly
Petrozavodsk
Murmansk
Sodankylä
Arhangel'sk
Ob'jačevo
Bugul'ma
Perm'
Minsk
Kiev
Har'kov
Rostov-na-Donu
Bogučar
Kursk
Smolensk
Rīga
Kopenhavn
Gdańsk
Szczecin
Częstochowa
Odesa
Simferopol'
Sulina
Tuapse
Inebolu
Istanbul
Sofija
Skopje
Beograd
Bucuresti
Constanta
Konya
Ankara
Rodos
Aminai
Mathoni
Heraklion
Malta
Tripoli
Sfax
Tunis
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Ajaccio
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Har'kov
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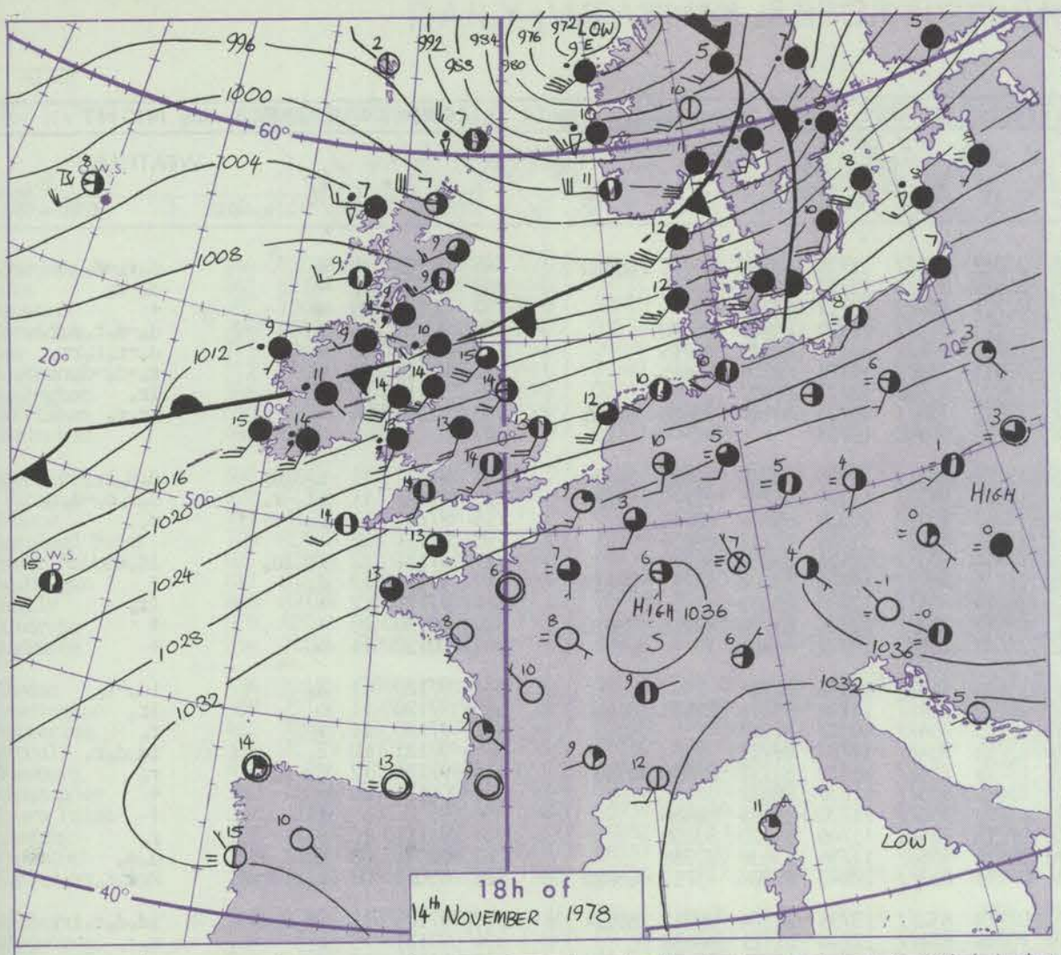
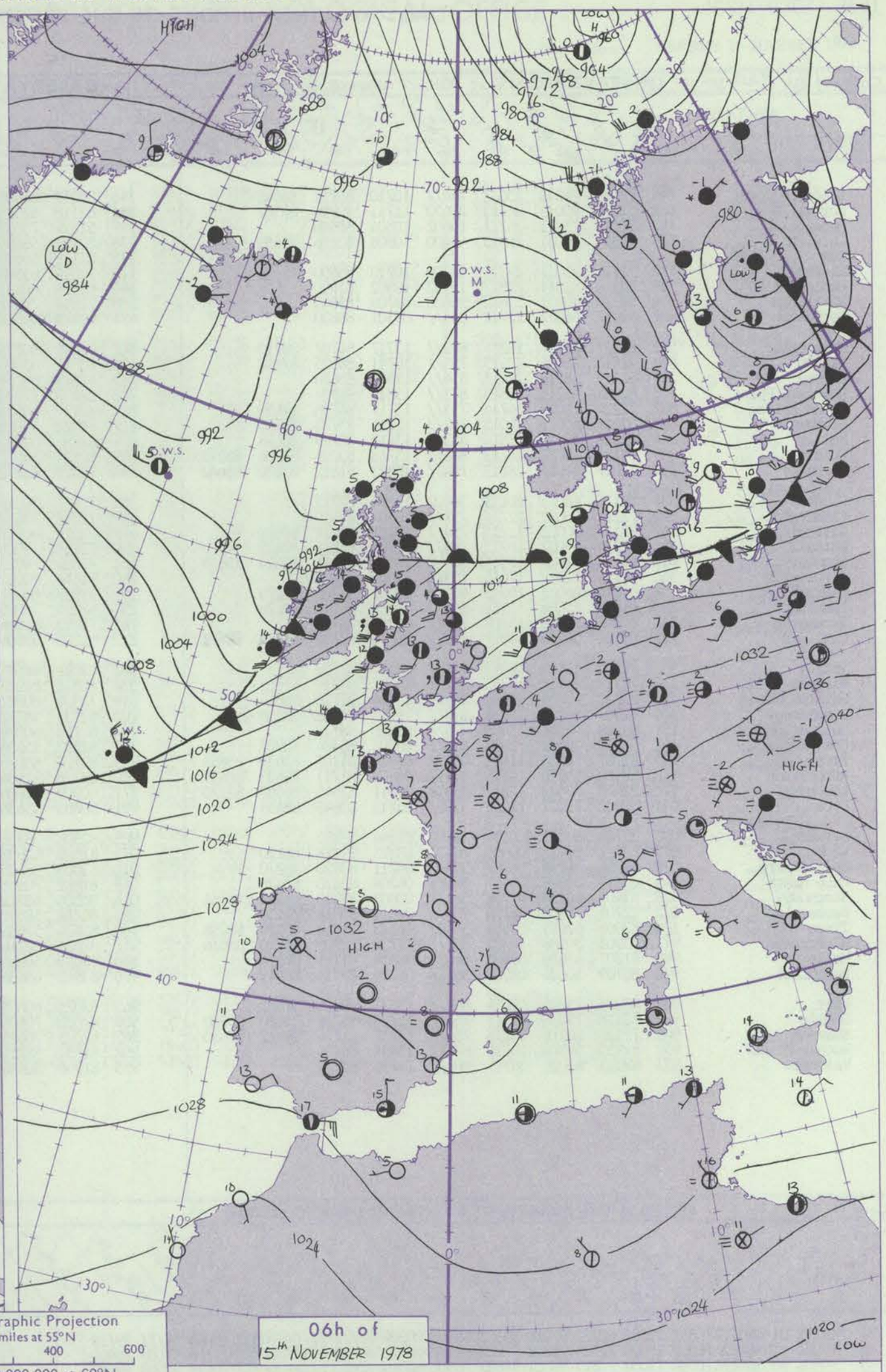
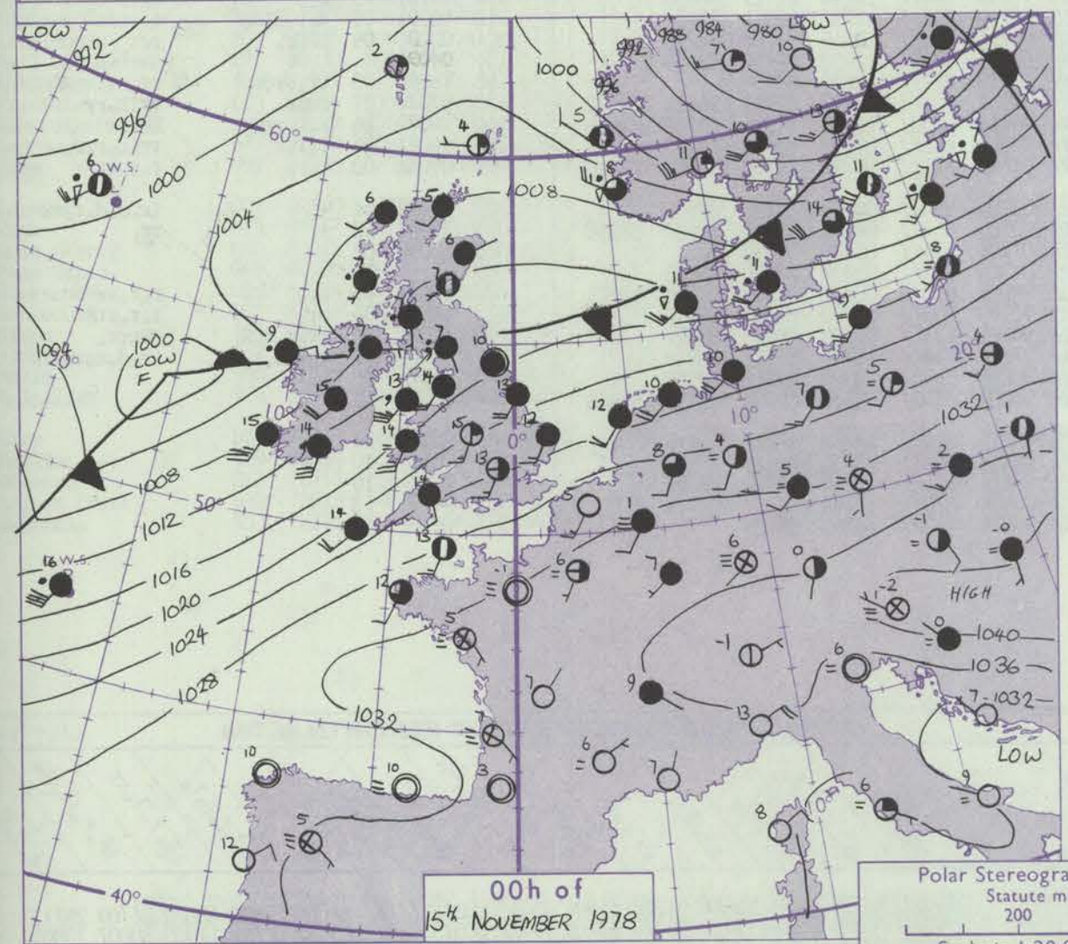
Aachen
München
Klagenfurt
Graz







Issued at midday WEDNESDAY 15 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours an anticyclone over Austria, with a ridge southwestwards to Spain, remained almost stationary. A deep depression moved rapidly northeastwards between Scotland and Iceland, the associated cold front crossing Scotland, Northern Ireland and northern England, but returning northwards again later as a deepening wave moved rapidly northeast to reach northwest Ireland by this morning.

During the next 24 hours the low over northwest Ireland will deepen further as it transfers rapidly northeast across Scotland to Norway, the associated cold front moving southeast across all parts of England and Wales by morning. The anticyclone over Austria and ridge towards Spain will drift slowly southwards.

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

Code FM 11.V — OBSERVATIONS at 00h. — 15 November 1978

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	72116	74032	25013	754//	10710	85712	86642	
Hurn	862	52115	80012	26113	25630	11711	82640	84362	
Manston	797	12115	75011	26212	15602	10804	81640		
Gatwick	776	42314	70031	26313	45400	10808	82616	83650	
Kew									
Heathrow	772	52116	75011	24313	55700	10710	85650		
Honington	586	22114	82011	22913	15502	10802	81620		
Wattisham	590	52217	70031	23612	55600	09709	85645		
Gorleston	497	82017	66022	22712	856//	09301	88630		
Aberporth	502	82027	60106	18214	873//	13717	84707	88710	
Filton	628	72410	75036	23213	755//	10711	84625	87642	
Rhoose	715	82115	78216	22413	854//	11815	88616		
Hartland Point	703	82428	66216	20813	873//	13819	88707		
Mount Batten	827	72224	70012	24714	753//	13717	84708	87650	
St.Mawgan	817	82018	60025	24013	862//	12714	85703	88705	
Scilly	804	82218	62026	23514	853//	13718	85709	88615	
Culdrose	809	82120	56022	24213	862//	13718	83704	85706	88710
Guernsey	894	72017	81012	28113	784//	10813	81812	83630	86642
Elmdon	534	32116	68015	20113	36402	11809	82712		
Cardington	559	72318	80032	22714	757//	10504	87650		
Wittering	462	72117	80022	21213	754//	10201	84614	87620	
Watnall	354	72214	65032	18913	784//	11704	81811	87615	
Shawbury	414	62113	81031	18314	68400	12602	81818	83624	85645
Finningley	360	72116	82012	17015	755//	11000	87622		
Spurn Point	396	82019	66032	18013	40977	11001	84360	88275	
Leeming	257	81609	75036	15111	854//	11804	85712	88620	
Tynemouth	262	80000	80022	15209	8092/	06002	88458		
Carlisle	222	81602	50586	13807	853//	07803	82706	88612	88618
Valley	302	82134	30515	14813	872//	13714	88703		
Ringway	334	72117	75012	17313	754//	13502	84714	87625	
Squires Gate	318	82220	60206	15014	854//	13714	82710	88614	
Ronaldsway	204	72507	58216	12011	6727/	11733	86703	87359	
Mull of Galloway	131	81508	48636	12409	874//	08826	88710		
Eskdalemuir	162	81503	30596	13606	872//	06002	83704	88707	
Prestwick	135	81707	62636	11407	6532/	07818	81707	83635	85645
Abbotsinch	140	82106	65616	11508	3541/	06809	81711	83635	88459
Leuchars	171	72405	70022	12207	25636	05011	82645	86360	87270
Dyce	091	80802	75032	11206	3562/	03113	83645	88459	
Lerwick	005	32706	80038	06604	38400	01144	83815		
Wick	075	82312	82022	09005	28437	03223	81818	88270	
Sule Skerry	010	82916	76258	06707	32507	06211	83820	88270	
Cape Wrath	049	82819	80808	06907	885//	06204	85820	88625	
Stornoway	026	82409	66158	07706	3847/	03803	82815	84359	88461
Benbecula	022	72709	75808	08108	784//	04811	85818	84630	
Tiree	100	82006	62618	09307	5542/	06713	81618	85629	88458
Aldergrove	917	80903	30586	10307	852//	07738	82703	84710	88616
Malin	980	81307	62616	08807	1642/	06834	81715	88556	
Belmullet	976	80709	50636	04009	5642/	08764	85714	88545	
Birr	965	82020	75026	09615	864//	13833	85716	87631	
Dublin	969	72118	75036	11015	754//	12727	83716	84620	86630
Shannon	962	72120	80216	09215	754//	13737	81716	84622	87650
Roches Point	952	81930	56506	14114	873//	13831	88706		
Valentia	953	82033	62026	09915	864//	14736	88718		

Code FM 11.V — OBSERVATIONS at 06h. — 15 November 1978

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	82018	66506	20012	853//	11726	83709	86713	88620
Hurn	862	82118	62025	21014	854//	13727	86712	88625	
Manston	797	52014	75031	22711	48402	09717	83710		
Gatwick	776	82114	58586	22113	873//	11722	83709	88710	
Kew	775	82112	60605	20713	874//	11717	85712	88715	
Heathrow	772	72014	65506	20513	753//	11721	82709	87615	
Honington	586	61916	80031	18513	65502	10727	86627		
Wattisham	590	72014	70011	20012	754//	10723	81614	83628	87645
Gorleston	497	02121	66021	19412	00900	10718			
Aberporth	502	82032	60215	12012	853//	12735	83706	86618	88630
Filton	628	82311	65506	18213	853//	11728	82708	83710	88616
Rhoose	715	82218	80216	17313	854//	10630	81614	88618	
Hartland Point	703	82430	77026	15214	854//	11834	82712	88634	
Mount Batten	827	82127	40526	19914	873//	12624	82706	88710	
St.Mawgan	817	81923	65025	17814	853//	11731	82708	83711	88618
Scilly	804	82223	62026	16814	855//	12734	88623		
Culdrose	809	82124	58022	18513	852//	12630	81704	83708	85710
Guernsey	894	72020	81022	23513	755//	10722	86626		
Elmdon	534	72121	70025	15013	764//	10832	87714		
Cardington	559	72118	78602	18113	754//	11726	85715	85635	86650
Wittering	462	72017	80011	16413	754//	10727	87613		
Watnall	354	82117	75026	13713	864//	11733	88711		
Shawbury	414	72020	78026	12714	754//	11732	81712	83620	87635
Finningley	360	81816	80022	11614	855//	11639	88622		
Spurn Point	396	61919	68031	13413	3567/	11730	83635	86360	
Leeming	257	62024	75026	07715	45541	11746	84620	83358	
Tynemouth	262	72020	81026	05414	5563/	11756	85630	87358	
Carlisle	222	82226	65606	04015	853//	12643	82708	83712	88620
Valley	302	82041	48585	07513	852//	13738	82704	86711	88614
Ringway	334	82018	81026	10914	854//	12740	81711	88618	
Squires Gate	318	72024	80022	08714	755//	12737	82622	87630	
Ronaldsway	204	82133	58212	03714	873//	12748	83708	88710	
Mull of Galloway	131	82150	60026	98313	6742/	12752	86710	88458	
Eskdalemuir	162	81932	25636	01912	872//	12659	88704		
Prestwick	135	82128	65026	97314	854//	12767	82712	84618	88642
Abbotsinch	140	82128	32656	96014	6532/	12797	81706	83710	86616
Leuchars	171	80909	56636	98808	872//	07799	85703	88705	
Dyce	091	80803	45636	01605	872//	05770	82705	85708	88710
Lerwick	005	82306	58506	03204	854//	03832	82710	88656	
Wick	075	81603	62636	02205	6542/	04746	83715	86620	88550
Sule Skerry	010	83005	58608	01706	874//	05738	88710		
Cape Wrath	049	81802	70808	01304	885//	03839	86820	88625	
Stornoway	026	80506	62612	99805	853//	02752	82709	85615	88625
Benbecula	022	80714	58638	97104	853//	04770	86707	88612	
Tiree	100	80424	57636	94505	6742/	04793	86711	88527	
Aldergrove	917	82026	80216	97614	854//	12746	85712	88618	
Malin	980	82033	56636	90813	5642/	13682	85712	88530	
Belmullet	976	83516	45636	94209	6732/	08510	82709	85716	88545
Birr	965	82025	60605	00815	864//	12850	87711	87626	
Dublin	969	82020	70606	02915	864//	11636	88716		
Shannon	962	82025	70615	98614	854//	13760	83716	88624	
Roches Point	952	81837	58215	04614	873//	12755	83707	88713	
Valentia	953	81936	30636	99014	862//	13763	88705		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.—03h.	WEATHER 03h.—09h.
Boscombe Down	746	92121	10 +	d_or_o–d_o	
Hurn	862	97130	12 +	d_o–r_o	
Manston	797	00111	09 +	+	
Gatwick	776	97121	10 +	d_o–$d_or_od_or_o$	
Kew	775	92121	10 +	d_o–$r_or_orr_o$	
Heathrow	772	92121	11 +	r_o–d_o–d_or_o	
Honington	586	97111	10 +	ir_o	
Wattisham	590	97100	04 +	ir_or_o	
Gorleston	497				
Aberporth	502	94121	11 $r_od_od_o$	$d_od_oir_o$	
Filton	628	91131	11 ir_o–r_o	$d_or_od_o$–d_cr_o	
Rhoose	715	97131	12 r_o	r_o	
Hartland Point	703	01111	12		
Mount Batten	827	97131	12 ir_oid_o	id_od	
St.Mawgan	817	91131	12 d_o	+	
Scilly	804	97131	12 +	ir_o	
Culdrose	809	00130	13 +	+	
Guernsey	894	00120	11 +	+	
Elmdon	534	97120	11 d_o	id_o–r_o	
Cardington	559	97120	11 +	ir_o	
Wittering	462	97120	11 +	r_o	
Watnall	354	97121	10 r_o	$id_od_or_o$	
Shawbury	414	97131	12 d_o–r_o	r_o	
Finningley	360	00131	10 +	+	
Spurn Point	396		+	+	
Leeming	257	91111	10 r_o	r_o	
Tynemouth	262	97081	08 $ir_od_od_o$	d_od_o	
Carlisle	222	05072	07 r_or_odrrR	$Rrd_or_orr_o$	
Valley	302	97121	12 $id_od_od_o$	$id_od_or_oir_o$	
Ringway	334	97131	13 r_o	r_or_o	
Squires Gate	318	96091	09 $d_or_od_od_o$	+	
Ronaldsway	204	02091	09 DRDr_o	r_o	
Mull of Galloway	131	04091			
Eskdalemuir	162	18062	05 ir_odrdr	rr	
Prestwick	135	07072	07 $rrir_o$	$rrir_orr$	
Abbotsinch	140	24072	06 r_or_orr	RRr_or	
Leuchars	171	14072	04 r_or_or	$rrir_or_or_o$	
Dyce	091	09052	03 r_or_o	r_or_orr	
Lerwick	005	01032	51 +	$ir_od_od_or_or_o$	
Wick	075	12042	02 +	rr	
Sule Skerry	010	15032	03		
Cape Wrath	049				
Stornoway	026	07042	03 pr_o	r_or_orr	
Benbecula	022	06041	04 pr_o	r_or_orrR	
Tiree	100	22041	04 $pr_or_or_oR$	$rRrrr_o$	
Aldergrove	917	07072	07 $r_orrd_or_oir_o$	$ir_od_or_orr_o$	
Malin	980	2507	06		
Belmullet	976	3607	07		
Birr	965	0212	12		
Dublin	969	0510	10		
Shannon	962	0210	10		
Roches Point	952	9413	13		
Valentia	953	0810	07		

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

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_gT_gT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	15001	62921	97018	13303	63400	00239	/////	/////	06053	10865	3////	29/18
	99573	70207	15004	72225	98808	97905	793//	00723	84708	87912	0//04	11106	31007	28906
	99667	70004	15004	72815	98011	96602	75500	00340	87620	/////	0//57	10670	30503	99602
	99470	70170	15004	82140	97616	13315	5747/	00834	85710	88460	0//14	11497	30813	/////

OCEAN WEATHER STATION REPORTS at 06h.

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_gT_gT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	15061	82616	97278	15904	4345/	00212	/////	/////	05852	10820	3//09	29/17
	99574	70205	15064	72723	98278	93705	794//	00513	83912	85630	0//51	11070	30807	23907
	99666	70004	15064	82013	98032	97902	6851/	00802	83820	86630	0//55	10672	30403	32904
	99469	70170	15064	83124	96636	13811	5742/	00228	85710	88550	0//11	11527	30000	21916

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. 42728

Date of Issue THURSDAY 16 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 15 November 1978

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	72028	68605	13513	784//	09835	83816	87622	
Hurn	862	82124	62026	15914	854//	09731	86618	88625	
Manston	797	72024	70032	17612	754//	08830	87616		
Gatwick	776	82121	65036	16013	884//	08836	82816	85620	88645
Kew	775	72016	68026	14813	754//	09836	84618	87630	
Heathrow	772	82020	68216	14313	884//	09837	81715	83820	88630
Honington	586	81922	67016	12213	854//	08742	83619	88625	
Wattisham	590	82023	65026	13613	855//	08742	85620	88625	
Gorleston	497	82124	66021	13213	855//	08731	88625		
Aberporth	502	81834	45636	02712	6732/	11747	83706	86708	88515
Filton	628	72325	80026	11114	784//	08845	82814	87620	
Rhoose	715	72221	80022	11014	75431	08732	81616	87622	
Hartland Point	703	82438	66032	06314	855//	10850	88625		
Mount Batten	827	82034	70025	13514	5847/	10836	81710	83814	88358
St.Mawgan	817	81831	70032	10314	854//	10737	83710	86615	88640
Scilly	804	82129	56626	10114	873//	13740	88708		
Culdrose	809	82031	62022	10913	853//	11843	81709	84710	88620
Guernsey	894	72024	80022	18214	784//	10832	81815	87622	
Elmdon	534	82125	75605	08614	885//	08741	81820	86625	88635
Cardington	559	72122	75026	11914	755//	08741	85620	87630	
Wittering	462	72025	83026	10013	754//	09840	83618	87623	
Watnall	354	72225	80026	06213	755//	09750	83620	84625	87645
Shawbury	414	71926	72016	04815	65572	08748	86624		
Finningley	360	71926	80032	04914	755//	10842	82620	87625	
Spurn Point	396	72127	70032	06514	5557/	10739	85620	87360	
Leeming	257	71825	82022	99515	755//	10852	87623		
Tynemouth	262	62040	81022	94015	656//	09757	86630		
Carlisle	222	82333	56636	93713	7542/	12754	82712	84618	86634
Valley	302	81948	30636	99012	853//	12745	83708	86710	88614
Ringway	334	72124	80212	03315	755//	09749	83620	87630	
Squires Gate	318	81927	65622	99913	854//	11753	82710	84615	88625
Ronaldsway	204	82135	30636	95413	873//	12740	84706	88708	
Mull of Galloway	131	82430	60636	92513	5742/	12302	85710	88458	
Eskdalemuir	162	81937	12656	92611	6722/	11754	86704	88518	
Prestwick	135	82626	65586	90611	7847/	09519	81710	84618	85625
Abbotsinch	140	82622	75606	89311	7547/	10521	81710	85714	86630
Leuchars	171	82133	70616	86313	4541/	12763	81712	84620	88462
Dyce	091	81828	62586	84413	853//	11669	81708	86715	88630
Lerwick	005	80810	57636	91304	6732/	03777	86706	88520	
Wick	075	80517	62636	85305	7532/	05789	81708	83710	86618
Sule Skerry	010	80515	58636	89505	6742/	04766	86710	88558	
Cape Wrath	049	80506	70636	90003	8747/	03745	88715		
Stornoway	026	80314	70616	90205	5732/	03631	81708	85711	88530
Benbecula	022	83311	80026	91905	853//	03302	83708	83625	88650
Tiree	100	82917	87016	92007	5542/	05235	85612	88540	
Aldergrove	917	82818	65606	96409	854//	07339	83710	85616	88624
Malin	980	82725	65606	95408	7642/	06157	86715	88459	
Belmullet	976	62720	81016	99909	635//	05223	85820	82920	84640
Birr	965	72811	66616	02108	5532/	06242	82708	85636	87458
Dublin	969	82518	65616	98610	863//	09320	83709	85712	88625
Shannon	962	72715	65616	03609	764//	08240	84711	86718	
Roches Point	952	72819	70816	05010	764//	09343	87710		
Valentia	953	72721	80216	06710	68502	06141	85822	83640	

OBSERVATIONS at 18h. 15 November 1978

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$8N_sC_hh_s$
746	82616	65615	11711	854//	10319	84713	88620	
862	82716	75635	12412	2542/	11305	81710	88547	
797	82027	58502	11912	854//	10522	86710	88620	
776	82225	28635	10713	853//	12614	83708	86710	88616
775	82118	56645	09413	874//	12609	84710	88713	
772	82016	40588	09113	872//	13507	81704	86708	88712
586	81922	35582	07212	853//	11613	83707	85710	88625
590	82020	58602	08412	853//	11614	83707	88611	
497	81924	66022	07213	8097/	09721	88360		
502	72624	80806	09510	724//	05136	87818		
628	72718	70216	11011	48478	08339	81810	84645	87270
715	62818	65256	11210	38431	07245	82817	83360	85075
703	63025	68022	12311	4253/	07346	84825	83360	
827	62715	75016	15111	38431	10349	82814	84360	
817	72720	70256	15011	42402	07240	84818	84075	
804	53026	80026	17211	52400	07247	85818		
809	32813	68016	15910	32302	08142	81708		
894	82623	50596	16212	852//	11308	82704	83707	87645
534	72619	75216	07811	35508	07340	81625	83656	87270
559	82519	58636	08113	5542/	12313	82713	85630	88556
462	72520	81616	06611	6542/	10320	83618	85628	87550
354	62714	70216	06110	654//	07347	81711	83619	85656
414	72411	80256	07609	48472	06353	81813	83650	86070
360	72516	75216	04510	756//	06245	87642		
396	82720	62636	03611	874//	09321	88710		
257	62612	84026	02109	15531	05260	81620	86363	
262	72722	80808	99009	3357/	05371	83925	87358	
222	52714	75016	00308	38432	06141	81815	83650	85072
302	72629	65816	06609	784//	05138	86818	86624	
334	72615	75026	06009	5847/	06259	81715	83825	86460
318	72622	70806	04410	785//	06246	84820	87630	
204	72625	80806	03409	58532	05136	81822	83826	85359
131	72628	80028	01609	6252/	06133	86820		
162	82617	58636	99606	5847/	03143	83710	85645	88460
135	72815	75253	98608	794/2	06132	81712	83916	86630
140	62407	80038	97507	694//	05236	81918	85630	
171	22515	86016	95106	19530	02257	81920		
091	42721	82016	92506	25432	02258	81715		
005	83218	58616	82803	4532/	02302	82707	83622	88540
075	62815	80216	90004	5843/	03243	81710	84630	85359
010	83412	66216	90105	5857/	05222	82820	85625	88458
049	73222	60816	90905	794//	04114	87915		
026	62108	70256	92105	683//	04208	82708	83818	
022	82720	70608	93505	853//	04209	82708	88615	
100	72720	70258	95406	794//	05214	8912	85817	
917	72716	82256	03005	4843/	04236	81710	84816	86360
980	72734	70218	00207	5347/	01232	85918	87359	
976	42830	70256	06506	494//	01247	81716	84920	
965	52614	75038	09706	534//	01244	83918	83636	
969	72617	70806	07007	734//	04241	83715	87921	
962	32826	80256	11408	39500	01240	83920		
952	12616	70028	14107	19400	02254	81916		
953	52828	80258	15709	53500	02254	85923		

OBSERVATIONS during DAY

iii	RRT	T_xT_xE	ss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	01141	000	$ir_od_or_o$	d_o–$d_or_orrr_o$
862	01151	002	d_o	$d_od_or_oRR$
797	01131	013	+	$id_od_or_odrrR$
776	03131	000	r_o	$d_or_odrdrrRr_o$
775	01141	000	+	$d_od_or_oRR$
772	01151	000	d_o–r_opr_o	$r_or_od_or_or$
586	03131	000	ir_o	$r_od_or_odrDR$
590	04131	001	r_o	r_orR
497		000		
502	11131	000	$ir_orrr_or_o$	$r_or_opr_o$
628	03141	001	r_or_o	$r_or_oRrrpr_o$
715	07141	000	ir_or_or	rRrprpr$_o$
703	03151	000		
827	04141	000	$ir_or_or_o$	$r_or_oRrpr_o$
817	05141	000	r_or_or	rpr_o
804	05141	002	ir_orr	pr_o
809	06142	000	irRR	ir_o
894	02151	001	+	$dd_or_dri r_o$
534	02141	000	$ir_or_or_o$	$r_or_orRr_or_opr_o$
559	01151	001	r_o	r_orRir_o
462	01141	001	$r_od_or_o$	r_orR
354	02141	001	d_or_o	r_orRpr_o
414	04151	001	r_or_orR	rr_opr_opr
360	01151	009	r_o	r_orRpr_o
396			+	ir_oirrr
257	03151	001	r_or	rr_oprpr_o
262	03152	001	pr	pr
222	14142	000	rr_oRrr	rrr_opr_opr
302	15141	000	r_or_orrR	rrpr
334	06151	001	r_orrR	Rr_opr_o
318	12151	000	r_orR	rr_opr_opr
204	03141	000	R	pr_o
131	02131			
162	32122	000	rrRr	$r_orrir_opr_o$
135	04141	000	$rr_or_od_or_opr_o$	pr_oprph
140	05142	001	rrr_o	pr_opr
171	03141	001	$r_or_orrr_o$	pr
091	01141	003	$rrr_or_od_or_o$	+
005	15052	000	r_or_orr	$rrRRr_or_opr_o$
075	12062	000	rrr_or_o	$r_or_opr_o$
010	13092			
049	13062	000	rr	rrprir
026	05051	000	$rrr_or_oir_o$	ir_opr_opr
022	03071	000	ir_or_o	r_orpr_o
100	07081	004	pr_o	pr_oprpR
917	05132	007	r_oRrr_or	pr_opr
980	1810	007		
976	0410	011		
965	0613	008		
969	0915	003		
962	0911	008		
952	1314	012		
953	0911	008		

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

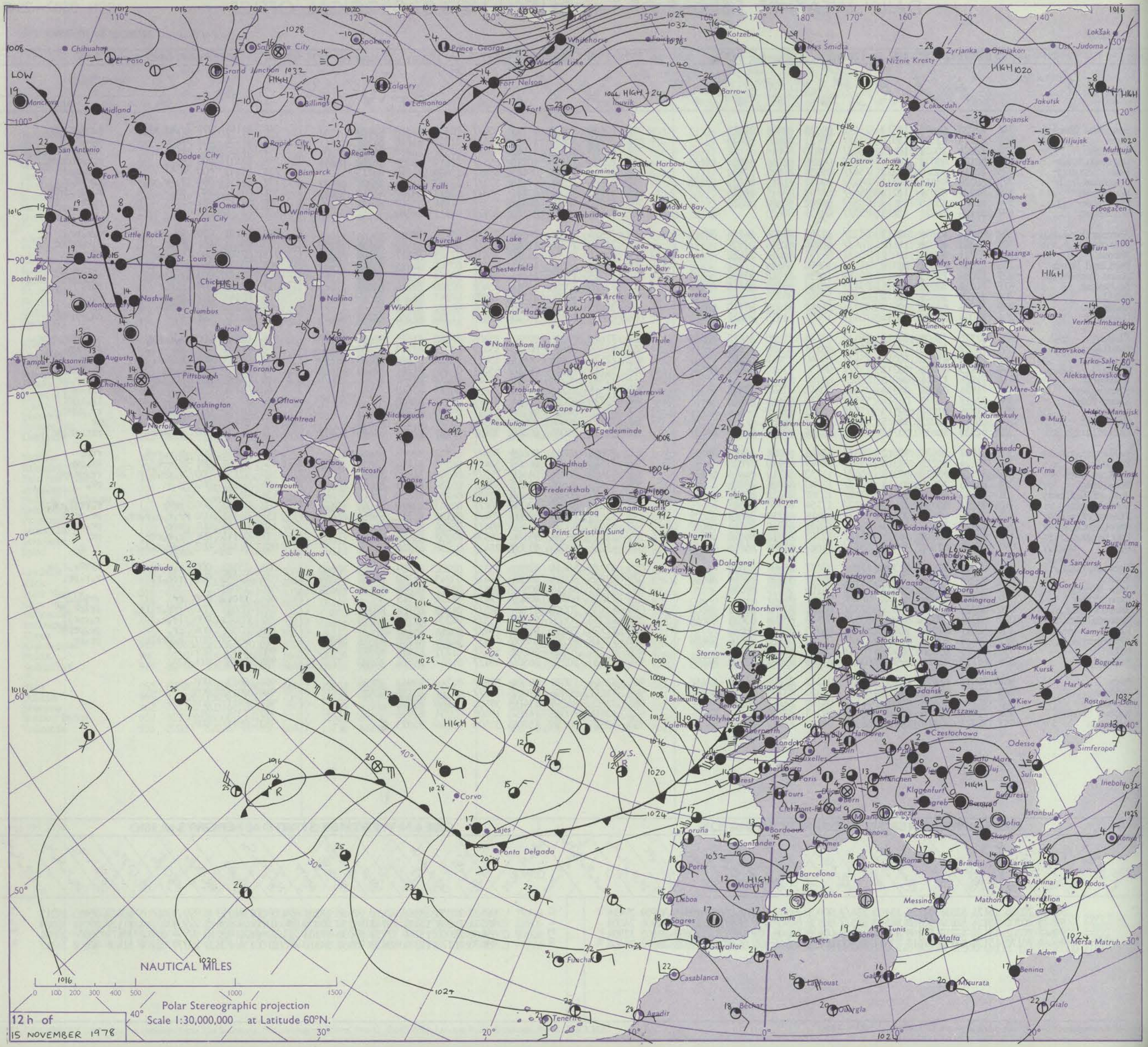
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_svsapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	15121	82516	97258	15105	834//	00801	/////	/////	05502	10814	30909	29416
L	99573	70202	15124	82837	96868	98503	833//	00338	88908	/////	0//02	11112	30906	24009
M	99667	70002	15124	42218	98268	92904	49300	00628	83809	82910	0//02	10680	30505	32904
R	99469	70170	15124	53130	97018	23511	58400	00252	84816	/////	0//06	11528	30612	24406

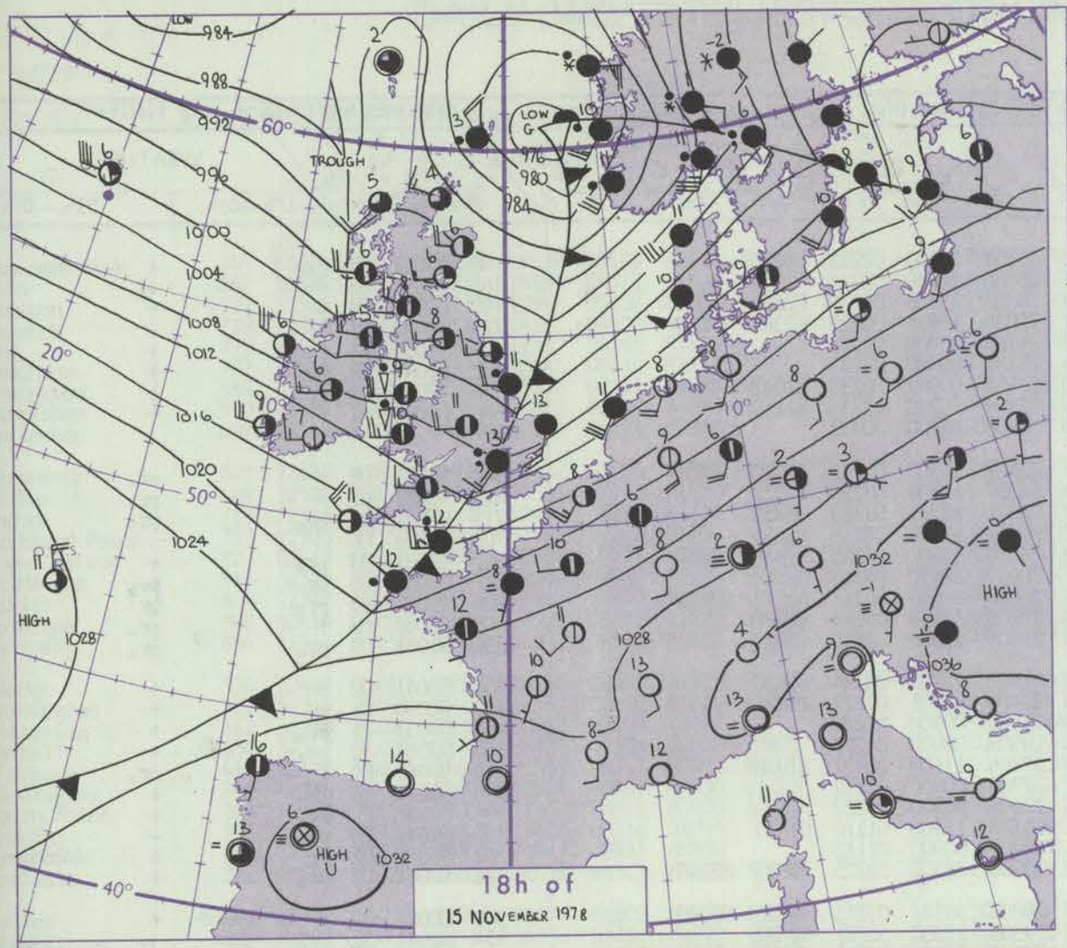
OCEAN WEATHER STATION REPORTS at 18h.

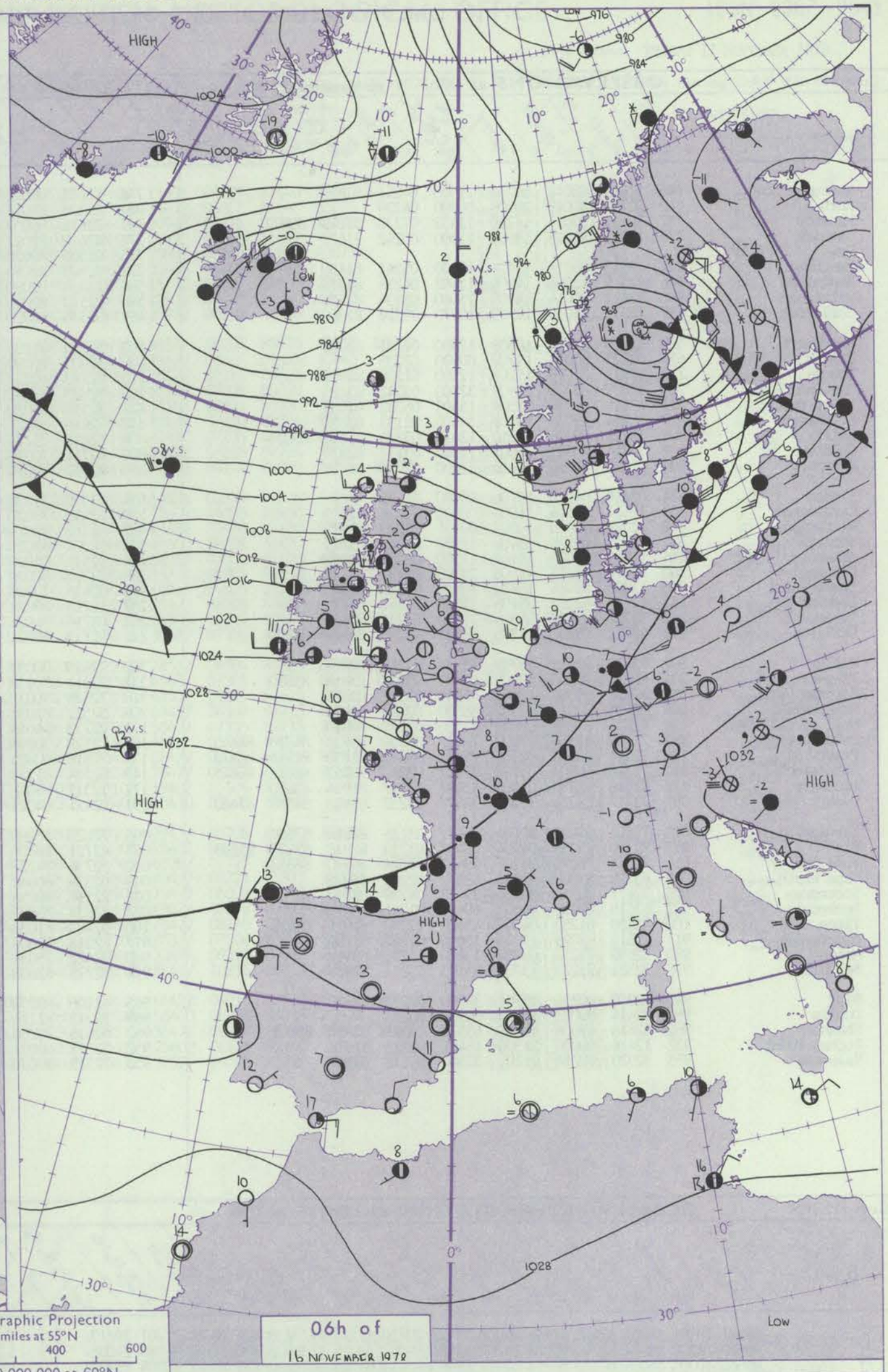
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_svsapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	15181	82418	97618	10208	8742/	00716	/////	/////	00005	10833	30910	29313
L	99574	70201	15184	32742	99258	00005	39400	00024	83912	/////	0//03	11129	31011	31009
M	99668	70000	15184	22719	98030	89203	21400	00626	82810	/////	0//01	10679	30504	20804
R	99470	70170	15184	53420	98031	28510	48501	00134	83829	/////	0//04	11486	30602	31812

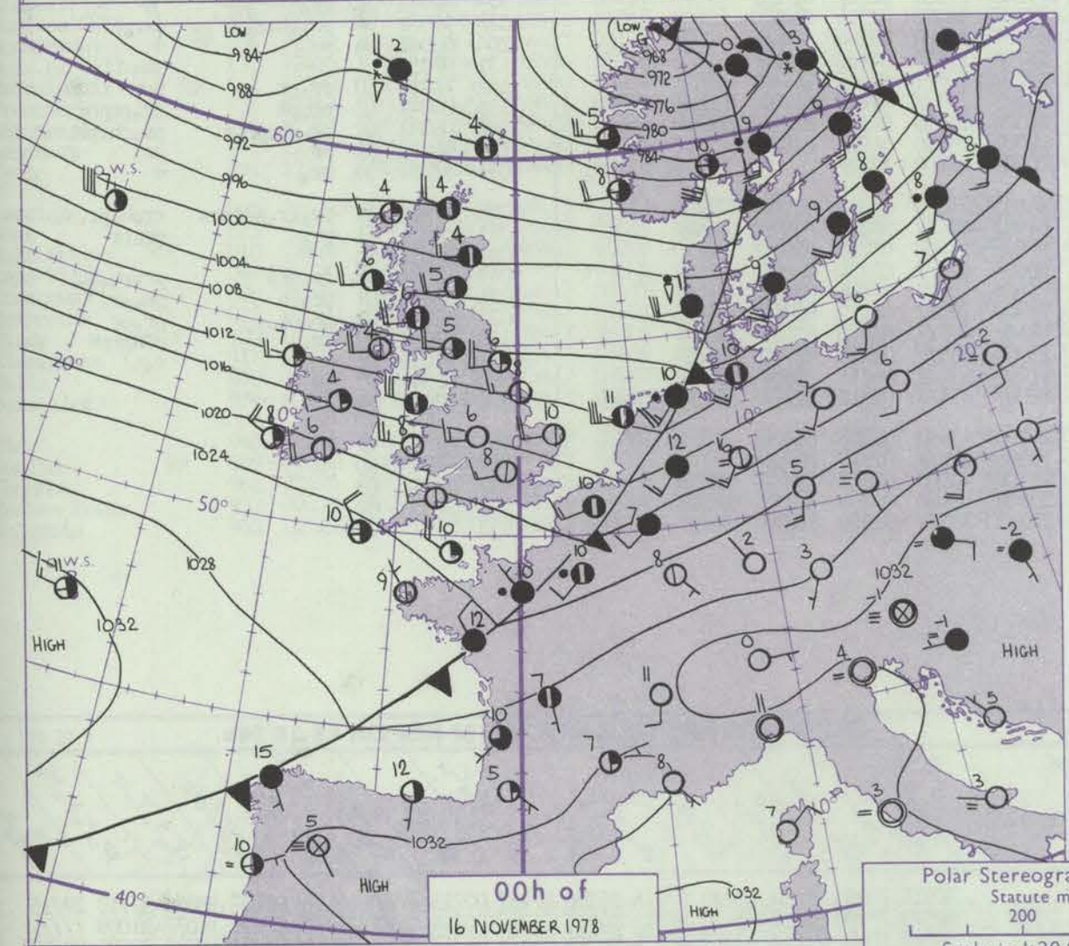
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


LOW
HIGH
Chihuahua
El Paso
Midland
San Antonio
Dodge City
Fort Worth
Lake Charles
Little Rock
Jackson
Boothville
Tampa
Jacksonville
Augusta
Charleston
Nashville
Columbus
Detroit
Pittsburgh
Toronto
Washington
Norfolk
Ottawa
Montreal
Kansas City
Omaha
Minneapolis
St. Louis
Chicago
Salt Lake City
Grand Junction
Billings
Rapid City
Bismarck
Spokane
Calgary
Edmonton
Regina
Winnipeg
Prince George
Fort Nelson
Fort Simpson
Whitehorse
Watson Lake
Fairbanks
Kotzebue
Barrow
Inuvik
Coppermine
Cambridge Bay
Mould Bay
Resolute Bay
Isachsen
Eureka
Alert
Arctic Bay
Thule
Churchill
Baker Lake
Chesterfield
Winisk
Nelson
Moosonee
Port Harrison
Nottingham Island
Frobisher
Cape Dyer
Resolution
Fort Chimo
Nitchequon
Egedesminde
Upernavik
Godthab
Frederikshab
Angmagssalik
Prins Christian Sund
Jan Mayen
Kap Tobin
Reykjavik
Dalatangi
Thorshavn
Stornoway
Belmullet
Valentia
Holyhead
Aberporth
Manchester
London
Bournemouth
Brest
Paris
Tours
Bordeaux
Santander
La Coruña
Porto
Lisboa
Sagres
Madrid
Barcelona
Valencia
Alicante
Gibraltar
Oran
Algiers
Tunis
Malta
Casablanca
Agadir
Tenerife
Funchal
Ponta Delgada
Lajes
Corvo
Bermuda
Yarmouth
Anticosti
Sable Island
Stephenville
Gander
Cape Race
Goose
Nain
Hopedale
Harrington Harbour
Belle Isle
Labrador
Mys Šmidta
Nižnie Kresty
Zyrjanka
Omjakon
Ust'-Judoma
Jakutsk
Verhojansk
Čokurdah
Ostrov Žohova
Ostrov Kotel'nyj
Kanat'e
Viljujsk
Mukuja
Olenek
Tura
Hatanga
Mys Čeljuskin
Dikson Ostrov
Ostrov Uedineniya
Tazovskoe
Turko-Sale
Aleksandrovsko
Mare-Sale
Russkaja Gavan'
Malye Karmakuly
Muži
Ostrov Dikson
Barentsburg
Bjornoya
Danmarkshavn
Daneborg
Nord
Eureka
Verhne-Imbatsko
Ust'-Cil'ma
Ibsedo
Vel'sk
Murinsk
Pinsk
Penza
Kamyšin
Bogučar
Har'kov
Rostov-na-Donu
Kursk
Kiev
Minsk
Sandensk
Gorkij
Vologda
Cherepovets
Kargopol
Rebolvy
Arhangel'sk
Ob'jačevo
Perm'
Sarapul
Santursk
Bugul'ma
Tuapse
Simferopol
Odessa
Sulina
Inebolu
Istanbul
Sofia
Bucuresti
Beograd
Zagreb
Klagenfurt
Venezia
Genova
Ancona
Roma
Brindisi
Larissa
Athinai
Rodos
Heraklion
Mathon
Messina
Mersa Matruh
El Adem
Benina
Derna
Tobruk
Malta
Tunis
Bône
Algiers
Oran







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

Issued at midday THURSDAY 16 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

A deepening depression over Northern Ireland moved rapidly northeast and is now centred over Northern Sweden. A depression to the southwest of Iceland has moved slowly east, now centred over eastern Iceland. A belt of high pressure across Central Europe to Spain has remained slow moving.

During the next 24 hours pressure will remain low across Iceland and Northern Scandinavia. An anticyclone moving rapidly east is expected over northern Spain by tomorrow morning, linking with the ridge over southern Europe. The strong to gale westerly airstream over the British Isles will be maintained.

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

Code FM 11.V — OBSERVATIONS at 00h. — 16 November 1978

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	12613	82018	19706	11500	04241	81822		
Hurn	862	02710	80016	20508	00900	04239			
Manston	797	32414	80016	17210	11432	07238	81818	83072	
Gatwick	776	12712	82016	18908	15500	05242	81620		
Kew									
Heathrow	772	12513	80018	17708	15600	05241	81630		
Honington	586	22519	82256	14208	12402	04236	81816		
Wattisham	590	12621	80016	14708	15500	05234	81620		
Gorleston	497	12518	66016	12910	10970	05226	81360		
Aberporth	502	12825	82018	18608	12500	01231	81820		
Filton	628	02823	80028	19208	00900	02235			
Rhoose	715	12921	80018	19207	12500	01236	81822		
Hartland Point	703	33409	86021	20909	32500	03342	83825		
Mount Batten	827	12814	86028	22509	15600	05232	81635		
St.Mawgan	817	32924	82038	23109	34500	02133	82822		
Scilly	804	53221	80038	25010	12430	03231	81818	85359	
Culdrose	809	22814	70031	24007	11502	03131	81820		
Guernsey	894	22922	78018	22810	22400	02230	82816		
Elmdon	534	02616	84028	15706	00900	01139			
Cardington	559	12617	80016	16008	00902	03238	81075		
Wittering	462	12621	82028	14007	00901	02233	81075		
Watnall	354	12515	65028	13406	11500	01241	81825		
Shawbury	414	12516	81028	15106	11500	00238	81820		
Finningley	360	22418	83258	11406	22500	02237	82825		
Spurn Point	396	12723	67016	10408	10970	04238	81360		
Leeming	257	12715	82028	09106	15500	01242	81625		
Tynemouth	262	32728	81028	05806	35500	00234	83620		
Carlisle	222	42722	70258	07305	48500	02238	83820	84630	
Valley	302	72830	80028	15707	725//	02242	87826		
Ringway	334	62723	70808	13406	68400	03238	83818	85630	
Squires Gate	318	42728	80018	12408	48500	03241	83820		
Ronaldsway	204	32624	82018	12307	38500	02245	82825		
Mull of Galloway	131	42728	83031	09806	42500	04240	84820		
Eskdalemuir	162	72720	62818	07002	794//	00336	83711	84818	86645
Prestwick	135	72518	70258	06306	794//	03345	81710	81914	83818
Abbotsinch	140	72718	60808	05104	794//	02248	83912	83816	86645
Leuchars	171	42518	82258	01405	33463	01337	81916	83630	
Dyce	091	72717	83251	98304	3847/	01232	81818	84359	87460
Lerwick	005	72806	80028	90104	784//	01126	81814	87630	
Wick	075	72820	75258	94904	4843/	01223	82818	83630	85359
Sule Skerry	010	73228	76278	93107	49463	03224	84910	86358	
Cape Wrath	049	62720	82808	95206	695//	02242	86920		
Stornoway	026	32617	80258	98604	29403	01239	82917		
Benbecula	022	62618	80258	01603	694//	01241	86915		
Tiree	100	42620	81258	04006	43400	02240	81916	83822	
Aldergrove	917	12618	82028	11304	15600	01242	81630		
Malin	980	32630	75258	08706	33400	01233	83918		
Belmullet	976	32521	75278	13707	33503	03224	82921		
Birr	965	32309	80258	17704	38500	01231	82820		
Dublin	969	02414	80028	16004	00900	00243			
Shannon	962	62618	65808	18906	635//	03221	82920	85645	
Roches Point	952	12416	80030	21306	18401	02223	81818		
Valentia	953	32920	70258	21208	33500	04122	83923		

OBSERVATIONS at 06h. — 16 November 1978

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	12109	80011	25502	11500	01222	81820		
Hurn	862	12608	80011	25806	10930	02219	81362		
Manston	797	72611	80031	24006	25708	02230	82656	87272	
Gatwick	776	42610	82011	25005	20931	02229	82362	83075	
Kew	775	02506	80020	24106	00900	01228			
Heathrow	772	02508	82010	24105	00900	03233			
Honington	586	12414	82030	21605	00902	00235	81072		
Wattisham	590	12513	82030	22104	15700	01233	81650		
Gorleston	497	02510	66020	20506	00900	00232			
Aberporth	502	52724	81038	22609	58500	02212	82820	84631	
Filton	628	12802	80020	24507	11500	03220	81822		
Rhoose	715	62713	80251	23907	625/1	03113	86822		
Hartland Point	703	52827	82031	24809	52600	05216	85835		
Mount Batten	827	32516	83030	26610	38400	06215	81818	83650	
St.Mawgan	817	32616	82021	26609	22430	04213	82818		
Scilly	804	63016	75258	28010	68400	06111	82818	85623	
Culdrose	809	42711	70030	27609	38530	05214	82820		
Guernsey	894	12915	80010	27809	12500	02119	81825		
Elmdon	534	12310	81030	21805	15700	00224	81650		
Cardington	559	12414	78020	22404	00901	02227	81075		
Wittering	462	02312	82020	21003	00900	01229			
Watnall	354	02307	65020	19903	00900	01229			
Shawbury	414	12411	81020	20706	11400	02121	81818		
Finningley	360	02312	80020	17706	00900	01122			
Spurn Point	396	02415	70020	17606	00900	04223			
Leeming	257	12716	89028	15107	12500	01118	81825		
Tynemouth	262	02716	81021	12206	00900	01115			
Carlisle	222	42713	80021	13906	38502	02225	82823	83640	
Valley	302	72625	80031	19808	5857/	03215	84820	87360	
Ringway	334	22311	70158	19505	22500	50221	82822		
Squires Gate	318	32628	80028	17509	38500	02215	82822		
Ronaldsway	204	52521	82031	17107	58400	03214	84819		
Mull of Galloway	131	22733	84018	14706	11530	04111	81820		
Eskdalemuir	162	72522	30848	13202	784//	00325	84712	86820	
Prestwick	135	72516	60808	11505	793//	04122	81707	82912	83818
Abbotsinch	140	62514	81278	10504	18433	02124	81816	86068	
Leuchars	171	12312	84028	08302	18500	51217	81820		
Dyce	091	02411	84021	05503	00900	52227			
Lerwick	005	72820	65268	94603	783//	01335	81707	87645	
Wick	075	62721	68808	01902	694//	50228	82915	84818	
Sule Skerry	010	52736	74278	97906	53400	03218	85910		
Cape Wrath	049	62334	60848	99605	695//	03234	86920		
Stornoway	026	22517	80258	01804	12402	01104	81818		
Benbecula	022	72833	75808	04906	793//	04112	82708	87915	
Tiree	100	62424	81038	08107	685//	03113	83822	84645	
Aldergrove	917	62515	80606	15704	654//	02215	82712	85622	
Malin	980	72422	75038	11707	635/2	04111	86920	83070	
Belmullet	976	72719	72808	16007	734//	05312	81717	85920	85640
Birr	965	42106	80258	20205	43500	03306	83920		
Dublin	969	52313	82216	19305	556//	02217	85630		
Shannon	962	42616	70258	21108	43560	05211	83820	81920	
Roches Point	952	52511	80031	23806	58400	04208	81818	85645	
Valentia	953	72519	80038	23311	785//	06308	83823	87656	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_hE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	93011	53	pr$_o$	+
Hurn	862	00051	03	+	+
Manston	797	00041	02	+	+
Gatwick	776	00021	51	+	+
Kew	775	91051	01	pr$_o$	+
Heathrow	772	91041	01	pr$_o$	+
Honington	586	97041	02	pr$_o$	+
Wattisham	590	00041	01	+	+
Gorleston	497				
Aberporth	502	97071	05	+	pr$_o$
Filton	628	92051	02	+	pr$_o$
Rhoose	715	97071	03	pr$_o$	pr$_o$
Hartland Point	703	00091	06		
Mount Batten	827	97081	03	pr$_o$	+
St.Mawgan	817	97081	05	pr$_o$	pr$_o$
Scilly	804	96091	05	pr$_o$	pr
Culdrose	809	95060	03	+	pr$_o$
Guernsey	894	91081	03	pr$_o$	pr$_o$
Elmdon	534	00041	02	+	+
Cardington	559	00030	01	+	+
Wittering	462	93031	01	pr$_o$	+
Watnall	354	97031	52	pr$_o$	+
Shawbury	414	97041	00	+	pr$_o$
Finningley	360	93031	51	pr$_o$	+
Spurn Point	396			ir$_o$	+
Leeming	257	01041	50	pr$_o$pr	+
Tynemouth	262	95041	02	pr	+
Carlisle	222	97051	03	pr$_o$	+
Valley	302	00071	05	+	+
Ringway	334	92041	52	pr$_o$	jp
Squires Gate	318	95071	04	pr$_o$ph$_o$r$_o$pr	pr$_o$
Ronaldsway	204	00061	04	+	+
Mull of Galloway	131	97051			
Eskdalemuir	162	11015	50	pr$_o$pr	prs
Prestwick	135	04041	03	pr$_o$pR	pr$_o$prphr
Abbotsinch	140	06032	01	pr$_o$phrph$_o$r$_o$	pr$_o$phrph$_o$r$_o$
Leuchars	171	94011	51	pr	pr$_o$
Dyce	091	97011	53	pr$_o$	+
Lerwick	005	07021	51	pr$_o$ir$_o$s$_o$rsrs	rrph$_o$pr$_o$s$_o$
Wick	075	01011	51	pr$_o$	ph$_o$pr
Sule Skerry	010	06032	02		
Cape Wrath	049	03032	01	ir$_o$prs	prsph$_o$r$_o$
Stornoway	026	03021	01	pr$_o$ph	ph$_o$pr$_o$
Benbecula	022	02031	02	ph$_o$pr$_o$	pr$_o$pr
Tiree	100	93051	02	pr$_o$	pHRprpR
Aldergrove	917	91031	01	+	r$_o$
Malin	980	0204	02		
Belmullet	976	0306	04		
Birr	965	0104	01		
Dublin	969	9704	00		
Shannon	962	0205	03		
Roches Point	952	9705	02		
Valentia	953	0207	02		

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$0T_gT_gT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16001	82414	97616	09308	8742/	00710	/////	/////	00107	10814	3//07	29/13
L	99570	70200	16004	42740	98018	01707	32431	00008	83816	83364	0//00	11110	31010	24008
M	99668	10001	16004	60220	98268	86502	69400	00715	84815	82918	0//51	10687	30504	99/03
R	99471	70171	16004	52813	98011	32211	55700	00107	85650	/////	0//03	11481	30808	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$0T_gT_gT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16061	82218	97616	05108	8742/	00723	/////	/////	00107	10829	3//10	29/15
L	99573	70199	16064	82428	97618	00507	853//	00714	86708	88625	0//07	11077	31009	/////
M	99667	10001	16064	83619	98028	89501	855//	00317	88628	/////	0//51	10716	30505	99/03
R	99471	70170	16064	32514	98011	32311	15740	00601	81650	82360	0//06	11458	30808	/////

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. 42729

Date of Issue FRIDAY 17 NOVEMBER 1978

Code FM 11.V

OBSERVATIONS at 12h. 16 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{app}	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
Boscombe Down	746	62611	86031	28610	38539	05109	82820	83630	85172
Hurn	862	52616	81031	29211	18531	04111	81820	84360	
Manston	797	12514	82011	27211	10942	05107	81360		
Gatwick	776	22515	84030	28511	18531	04109	81825		
Kew	775	12414	80021	27410	11540	04107	81820		
Heathrow	772	12413	81020	27311	18441	06110	81818		
Honington	586	62419	84031	24809	11532	02111	81822	86072	
Wattisham	590	42519	80031	25309	00902	03009	84075		
Gorleston	497	22511	66020	24409	20930	02214	82360		
Aberporth	502	72420	62801	25710	62432	05010	82816	85820	
Filton	628	22509	70018	27611	18531	07115	81820		
Rhoose	715	72516	61808	27110	6247/	06113	81712	84820	
Hartland Point	703	62920	77152	27811	62601	07112	86830		
Mount Batten	827	62613	80258	29912	38534	07211	82825	85075	
St.Mawgan	817	52521	82028	29512	32501	07010	83820	84075	
Scilly	804	22718	82018	30813	22402	06110	82818		
Culdrose	809	52614	78038	30612	22502	08111	82822	84072	
Guernsey	894	72517	81258	31412	68532	04112	85822		
Elmdon	534	22417	75010	24510	18542	03006	81822		
Cardington	559	52516	70031	25511	11532	05110	81820	85073	
Wittering	462	32516	81030	23909	00902	03108	83075		
Watnall	354	52517	70031	22709	38431	04105	82818	83628	
Shawbury	414	52415	80258	23610	32502	05217	83822	84070	
Finningley	360	62316	80031	21009	12602	03109	81830	86075	
Spurn Point	396	42420	70030	21008	12554	04111	81820	83360	
Leeming	257	22518	82158	18809	19402	03116	81915		
Tynemouth	262	72722	81031	16309	756//	02217	87630		
Carlisle	222	72720	75031	16809	58532	04313	84822	83640	
Valley	302	62427	81252	22510	684//	06010	81818	85656	
Ringway	334	32614	75031	22410	18532	03111	81822	83075	
Squires Gate	318	72425	81258	20810	685/1	06010	84822	85640	
Ronaldsway	204	72522	82028	19309	48432	05108	83816	84362	86070
Mull of Galloway	131	72425	81021	17408	48506	05210	82820	83625	86075
Eskdalemuir	162	52320	70258	15506	58400	03014	81714	84820	
Prestwick	135	72116	76028	14208	58476	05014	81816	85820	86070
Abbotsinch	140	62311	75038	12908	58402	05106	81714	84820	
Leuchars	171	22320	80018	11107	21400	04208	81715		
Dyce	091	12114	89011	08207	14400	02110	81818		
Lerwick	005	72427	60278	98105	694/3	02212	83910	83815	
Wick	075	72414	75808	03904	59432	03019	83912	84635	85359
Sule Skerry	010	72826	68278	00807	49463	05207	84910	85358	87070
Cape Wrath	049	82730	60908	01105	894//	04206	88915		
Stornoway	026	72616	75808	04205	48442	04111	81710	83815	85072
Benbecula	022	62520	72258	05809	5946/	07801	82915	83635	
Tiree	100	82325	75258	09008	59477	06805	81710	81915	83630
Aldergrove	917	72314	82026	17107	26476	05006	81714	83465	87270
Malin	980	72126	75808	12908	734//	07803	82715	87918	
Belmullet	976	82331	65508	16011	864//	09302	84715	87719	
Birr	965	72316	66808	21611	784//	08202	83716	84820	85633
Dublin	969	72320	80808	20209	585/2	06000	83822	83632	85070
Shannon	962	72421	70218	22712	36476	08208	82716	83630	86458
Roches Point	952	72225	81031	25712	28472	07207	81817	86075	
Valentia	953	82522	75258	25311	4857/	09009	82820	88460	

OBSERVATIONS at 18h. 16 November 1978

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{app}	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
746	52310	82028	29108	15631	06207	81640	84072	
862	52607	80031	29910	15632	05307	81640	85075	
797	72209	82021	28608	20948	04216	82360	87272	
776	22206	80011	29407	10932	04008	81362		
775	42209	80021	28309	25601	05208	82640	83075	
772	42106	70011	28010	35601	06206	83640		
586	62214	81011	25609	15732	04207	81650	83362	
590	32413	80011	26408	10932	05108	81360	83075	
497	22317	66020	25009	20970	04208	82360		
502	82423	65018	25711	4857/	08208	82820	83650	88460
628	72615	68028	28011	785//	07107	81825	87645	
715	82721	70258	28012	885//	07311	84821	88645	
703	42725	74018	28012	42500	07008	84820		
827	72717	75028	30512	12502	08003	81820	87075	
817	72420	80038	30811	28438	07310	82816	86275	
804	72718	81021	31511	42432	07208	84818	86075	
809	62615	70022	31511	32402	07208	81714	86070	
894	72717	82028	32111	58502	05107	82820	84645	87075
534	72419	70028	24810	15636	05304	81635	87272	
559	32113	70011	26109	25602	06005	82630		
462	62011	80021	24808	456/1	05106	84630	84075	
354	12415	68808	22809	18500	06501	81820		
414	82316	75028	23509	38527	07002	81820	83630	85460
360	12116	75021	20809	15701	06802	81650		
396	32421	70021	21009	10941	05803	81360	83075	
257	82203	60638	18409	854//	08000	88617		
262	32310	69026	15509	35500	05002	83625		
222	82618	68026	15810	3847/	07301	82816	88462	
302	72428	75216	22212	785//	08304	81823	87635	
334	82316	70216	22010	6567/	07301	83630	86640	88360
318	82425	70218	20011	6553/	09201	82625	86638	87360
204	82523	62252	18711	6842/	08307	81713	84818	85632
131	82728	60616	17509	5542/	07320	82715	85630	88460
162	62218	75216	14507	684//	05500	83710	84818	85630
135	82118	70258	13410	884//	08001	81712	83818	87628
140	72316	60808	12010	784//	07202	82714	85820	87640
171	22314	70028	10107	18402	05504	81815		
091	11907	84018	07406	15630	03608	81640		
005	82218	50818	99104	834//	03706	84910	85625	
075	42221	80258	02306	28432	04716	81818		
010	82642	68808	98509	6336/	07725	83908	85818	88360
049	82730	60818	99808	834//	08721	85915	88620	
026	72616	80258	02908	794//	06303	81711	84914	85632
022	62625	68258	06410	694//	08318	83912	84816	
100	72323	64022	09810	784//	08210	82816	87633	
917	82306	56636	17108	853//	07006	83707	85710	88616
980	72428	75258	13911	3347/	09313	83918	87459	
976	82324	66106	18212	864//	10216	85717	87640	
965	82513	62218	22610	6642/	09310	84713	85628	88458
969	52519	80608	20310	56400	08208	84715	83622	
962	82522	62506	23511	5547/	09307	82715	84625	88458
952	32319	75258	26311	25602	08106	82640		
953	72417	70028	25812	3757/	09205	83720	87460	

OBSERVATIONS during DAY

iii	RRT T F x x	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97111	060	pr_o	pr_o
862	00121	069	+	+
797	00111	071	+	+
776	00111	066	+	+
775	00111	064	+	+
772	00121	056	+	+
586	00110	063	+	+
590	00100	063	+	+
497		066		
502	94111	023	pr_o	pr_o
628	01111	042	pr_o	pr_o
715	02121	024	pr_oprpr_o	pr_o
703	91120	027		
827	97131	045	pr_o	pr_o
817	97131	050	pr_o	+
804	97130	033	pr_o	+
809	00120	046	+	+
894	97120	048	pr_o	+
534	97111	054	pr_o	pr_o
559	00110	067	+	+
462	00101	063	+	+
354	97111	060	pr_o	pr_oir_o
414	97111	049	pr_o	pr_o
360	00111	053	+	+
396			+	+
257	07101	048	pr_o	pr_orRr_o
262	91101	043	+	ir_o
222	03111	021	r_or	$rRrr_o$
302	97121	011	pr_o	ir_o
334	97111	045	r_o	$r_or_o-r_o$
318	01111	022	pr_or_o	$prir_orr_or_o$
204	93111	009	pr_opr	pr_oir_o
131	02111			
162	02081	014	pr_o	$r_orir_opr_o$
135	03111	001	pr_o	pr_opr
140	04102	012	pr_opr	prpr$_o$
171	94091	043	pr_o	pr_o
091	97091	048	pr_or_o	+
005	09062	002	pr_oph_o	$prsphrrr_or_o$
075	03072	010	pr_o	pr_opr
010	03101			
049	11092	000	$phrpr_oS_o$	prprs
026	07091	005	phrprpr$_o$	pr$_o$pr
022	06101	006	pr_oprphr	pr_o
100	03111	011	pr_o	pR
917	09102	014	r_orr_o	$r_or_orRrr_o$
980	0611	001		
976	0212	000		
965	0512	006		
969	0111	027		
962	9512	002		
952	9712	030		
953	0112	000		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

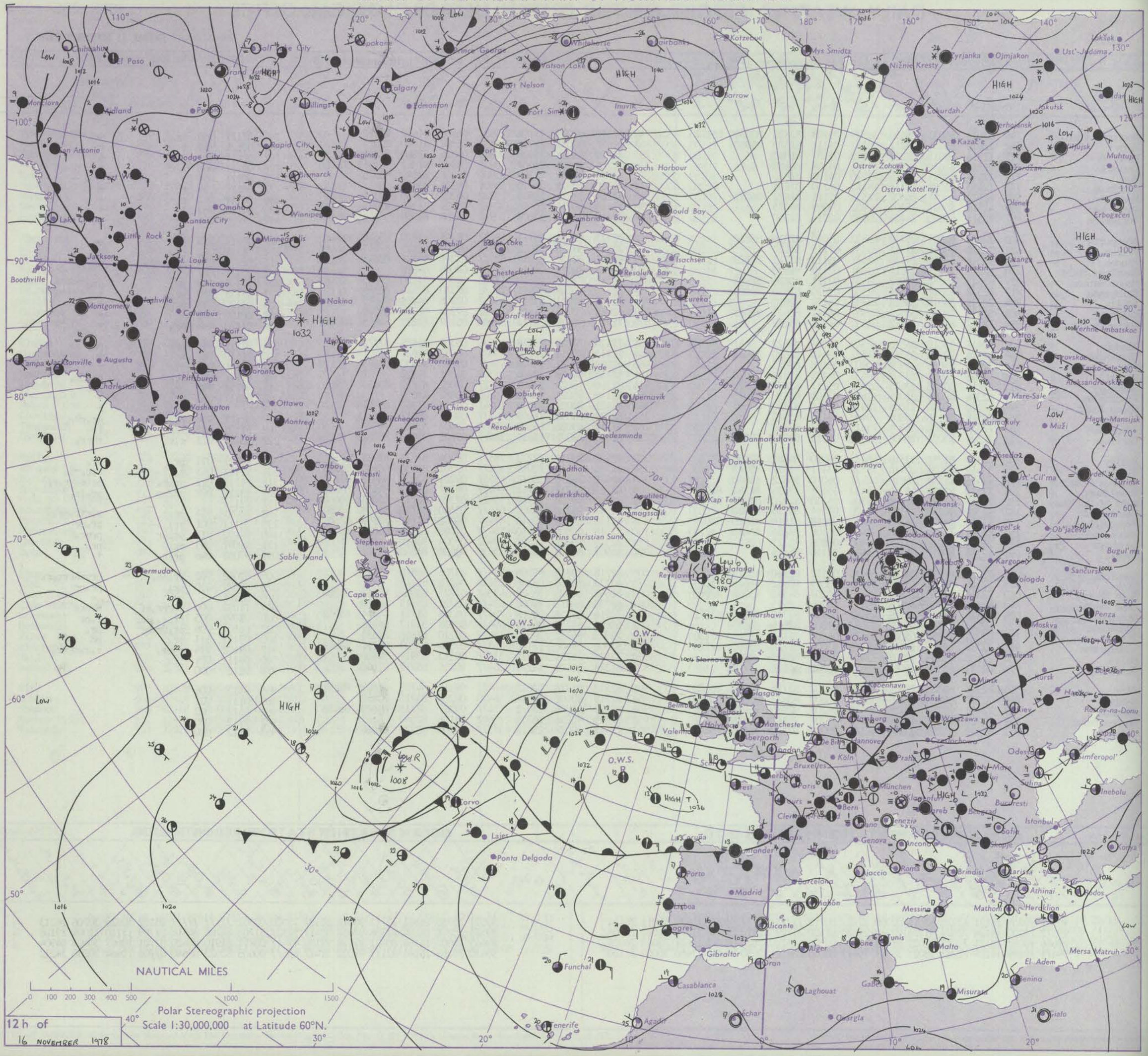
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16121	82220	97616	02309	8742/	00712	/////	/////	00208	10820	31011	26414
L	99572	70200	16124	72539	97278	02210	29331	61320	81708	82910	0//07	11075	31010	28008
M	99666	10002	16124	70713	98022	91902	75500	00308	82620	87625	0//53	10661	30403	26804
R	99471	70169	16124	72212	98021	33811	754//	00005	83716	87650	0//05	11466	30000	31110

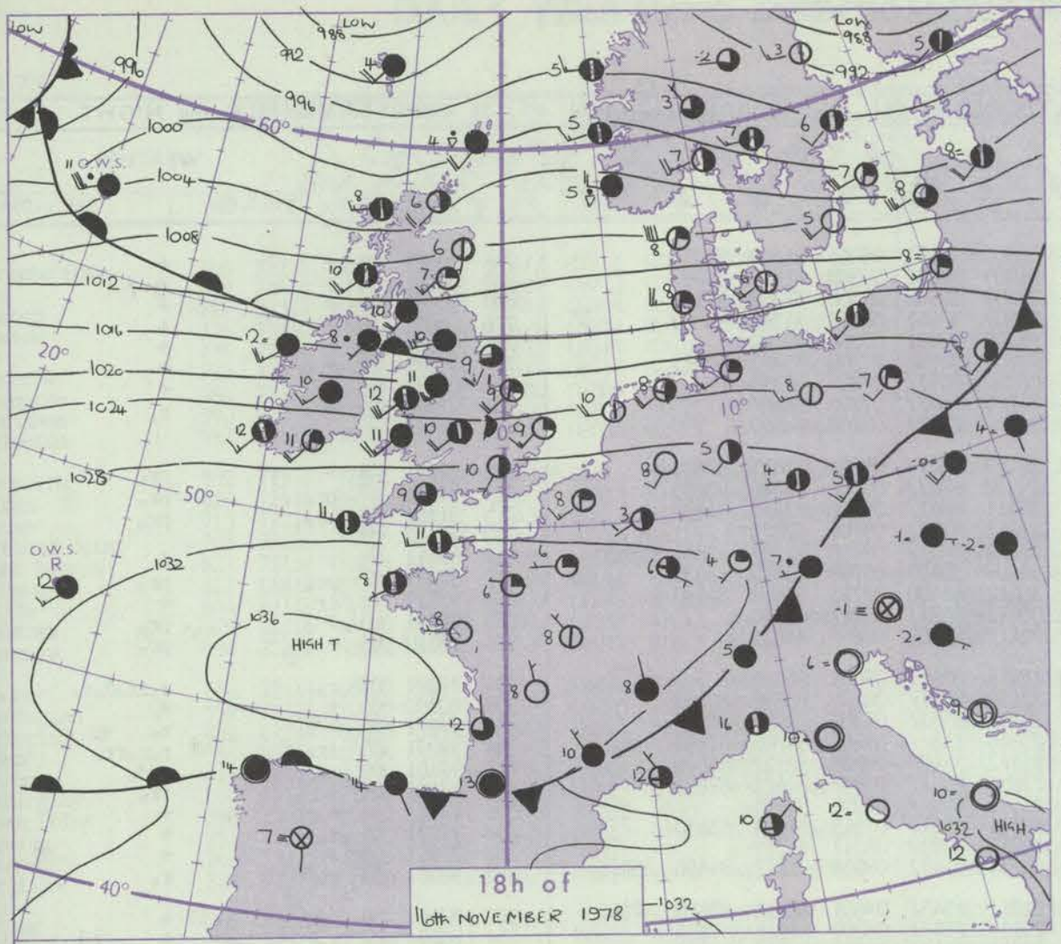
OCEAN WEATHER STATION REPORTS at 18h.

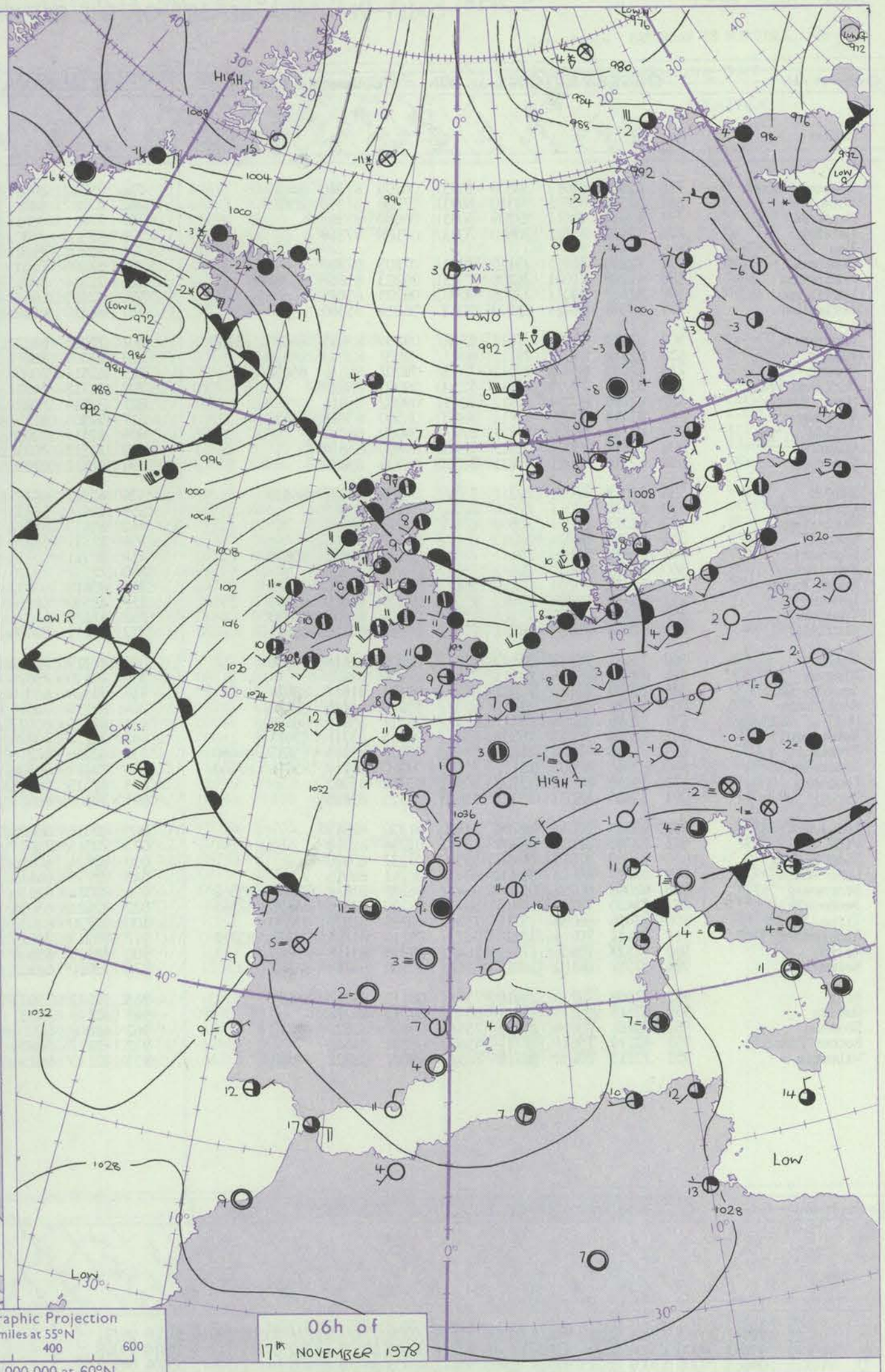
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16181	72713	98016	01107	75500	00302	/////	/////	05102	10828	30706	26213
L	99573	70201	16184	82336	97616	03411	5732/	51705	84706	84618	0//09	11110	31009	29108
M	99665	10000	16184	80821	97028	92102	4941/	00711	81910	84620	0//01	10667	30404	04904
R	99470	70164	16184	82113	97032	31412	855//	00603	82623	88640	0//06	11484	30000	34212

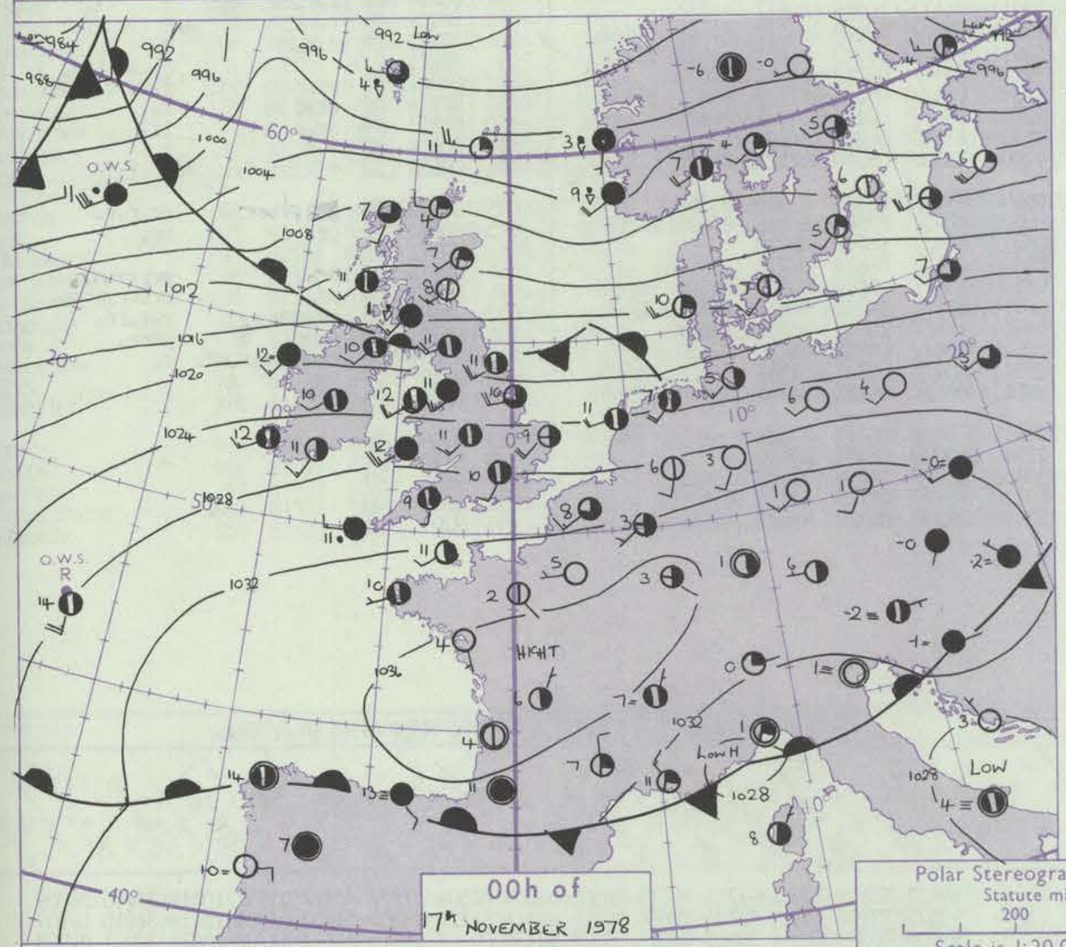
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 FRIDAY 17 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours a westerly flow was maintained over the British Isles, as a low near Iceland moved slowly east and an anticyclone off northwest Spain moved quickly east to Central France. A weak warm front wave moved east across Northern Ireland and northern districts of England.

During the next 24 hours, high pressure will continue over southern Europe. A shallow low, and associated fronts, is expected to move quickly east across southern districts of England and Wales, while to the north a deepening low will approach Iceland with the associated fronts crossing most parts of Scotland and Northern Ireland.

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

Code FM 11.V — OBSERVATIONS at 00h. — 17 November 1978

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	42314	82011	30308	10931	06105	81360	84075	
Hurn	862	52511	80031	31310	10931	07208	81360	85075	
Manston	797	42414	80011	29209	30931	06000	83360		
Gatwick	776	72411	75021	30610	7093/	07108	87359		
Kew									
Heathrow	772	72210	70011	29110	7093/	07203	87360		
Honington	586	42216	81031	26208	15831	06203	81657	83360	
Wattisham	590	52417	80021	27308	00902	06205	85075		
Gorleston	497	52318	66021	25509	50970	06204	85360		
Aberporth	502	82521	65022	27211	6542/	09204	82615	86625	88460
Filton	628	62512	80258	29111	684//	09107	83812	85630	
Rhoose	715	72613	68808	29112	7843/	09207	84818	85630	
Hartland Point	703	52728	77021	29112	52500	09003	85825		
Mount Batten	827	62715	80031	31912	52431	09002	85816		
St.Mawgan	817	52414	80038	31711	58400	08500	83815	84632	
Scilly	804	82715	56626	32411	874//	09000	88710		
Culdrose	809	52514	68031	32311	52400	09400	85814		
Guernsey	894	42511	82021	33811	32502	06306	83820		
Elmdon	534	72313	70031	26311	755//	07208	84625	86639	
Cardington	559	62314	78011	27109	6093/	07004	86362		
Wittering	462	62313	80021	25809	656//	07211	86636		
Watnall	354	82314	66028	24210	856//	08108	88645		
Shawbury	414	72613	80028	24411	785//	08103	83822	86630	
Finningley	360	72213	75031	22411	755//	07309	87624		
Spurn Point	396	62620	70031	22110	656//	08204	86630		
Leeming	257	72517	82026	19812	755//	08105	84620	87640	
Tynemouth	262	82515	69021	17511	4567/	07105	84630	88358	
Carlisle	222	72618	75026	18211	755//	09317	83620	86643	
Valley	302	72427	70212	24412	754//	09106	85618	87630	
Ringway	334	72411	75016	23311	755//	07104	87625		
Squires Gate	318	82524	65216	22511	854//	09214	81617	88626	
Ronaldsway	204	82521	59606	21311	853//	10119	85709	88620	
Mull of Galloway	131	82526	82026	19511	5742/	09211	85710	88458	
Eskdalemuir	162	72320	70258	16509	754//	07215	83710	87617	
Prestwick	135	82316	65808	16711	5842/	09215	83815	85635	88460
Abbotsinch	140	82515	60608	15111	754/1	09220	81712	85616	87640
Leuchars	171	12413	80011	12108	10932	05316	81362		
Dyce	091	32405	86031	10307	35602	05325	83635		
Lerwick	005	22725	80018	02206	21400	51330	82815		
Wick	075	32710	82018	07804	12432	03234	81818		
Sule Skerry	010	53230	82818	06408	53500	07237	85920		
Cape Wrath	049	63227	84018	06908	634//	08241	86915		
Stornoway	026	62008	80258	09307	4843/	06228	81818	83640	85362
Benbecula	022	72620	73258	10910	5845/	09220	83816	84650	87365
Tiree	100	72416	66038	13711	755//	10215	81627	87650	
Aldergrove	917	72411	70216	20210	762//	09214	81704	83707	85712
Malin	980	72527	70606	17411	764//	09319	85716	85640	
Belmullet	976	82317	64102	20312	854//	10106	83718	88640	
Birr	965	72509	70216	24810	754//	08110	83717	86635	
Dublin	969	62515	65215	23211	664//	09213	86716		
Shannon	962	72411	70016	25411	755//	09107	82620	87640	
Roches Point	952	42213	75011	27711	45600	08204	84640		
Valentia	953	72313	70032	26712	785//	09001	82822	87640	

OBSERVATIONS at 06h. — 17 November 1978

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	32312	80011	30508	15631	06001	81640	83075	
862	42302	80021	31009	18531	08503	81820	83360	
797	72411	80011	29709	20948	07306	82359	87272	
776	42307	75021	30807	10941	06002	81362	84075	
775	32308	75021	29709	30931	07204	83360		
772	52206	75031	29409	30931	07303	83362	83075	
586	72314	80011	27010	7097/	07207	87359		
590	82415	65212	27609	858//	07205	88657		
497	82410	62616	26310	8072/	08208	88550		
502	72215	65022	27310	784//	09001	83815	87625	
628	62409	75011	29210	684//	08802	84816	83635	
715	62514	70808	28511	684//	09706	83815	84630	
703	72718	74031	28812	725//	09709	87823		
827	72514	70022	31012	783//	09705	82709	83814	85630
817	51908	80251	30609	58400	09709	83815	83630	
804	42414	82036	30512	48400	07715	82818	84630	
809	72313	70031	30911	757//	08712	87650		
894	62512	82038	32711	58402	08604	84815		
534	62512	66215	26911	656//	07001	86640		
559	82416	68032	27810	8097/	08205	85359	88465	
462	62413	80012	26610	2563/	07206	82630	86359	
354	72311	62026	25610	753//	09207	84708	87640	
414	52511	65016	25512	55400	09205	82712	84616	
360	72112	75026	23911	755//	08307	82622	87635	
396	82418	68032	23511	855//	09209	88625		
257	62510	82016	22311	45541	07315	81624	83650	
262	42520	81021	19911	40930	08217	84359		
222	62611	70026	20211	45432	09010	81712	84650	85075
302	72319	70012	24911	4543/	09601	82712	83620	87360
334	72310	75026	25111	754//	08209	81618	87624	
318	72518	65016	23711	754//	10209	83617	86650	
204	82519	75016	22711	854//	09208	84712	87618	88656
131	82523	80022	20911	4851/	08203	81820	84625	88460
162	72111	70026	19109	754//	07213	85712	87619	
135	62216	62216	18311	654//	09302	81712	84620	85640
140	72419	60606	17011	784//	08105	81818	86626	
171	42315	86011	15109	45600	06209	84635		
091	72108	86021	13008	25538	05209	82625	86270	
005	62516	80028	06007	3343/	02113	81915	85360	
075	72315	75801	09309	6843/	07501	84816	85635	87359
010	82524	60616	06710	874//	10708	88710		
049	82719	64618	06909	874//	08814	88715		
026	82314	62218	09110	6547/	08002	83618	86628	88462
022	82421	65036	10911	6547/	10702	84617	86629	88460
100	82220	62038	14511	854//	10802	86617	88635	
917	72313	70025	20610	756//	09805	82630	87650	
980	82119	65106	17511	6542/	09705	81717	83628	88460
976	72020	62102	18011	6643/	09817	84717	85640	87359
965	72012	75022	23410	756//	08713	87632		
969	52418	70031	22810	55600	08709	85640		
962	62008	80016	23310	655//	08719	83623	85645	
952	72217	58808	25710	784//	09715	82818	87630	
953	72115	80258	23410	78500	07822	81822	87646	

OBSERVATIONS during NIGHT

iii	RRT_nT_E	T_gT_g	WEATHER 21h.—03h.	WEATHER 03h.—09h.
746	00071	05	+	+
862	00081	04	+	jp
797	00081	05	+	+
776	00051	50	+	+
775	00091	02	+	+
772	00091	07	+	+
586	00081	06	+	+
590	97070	05	+	r_o
497				
502	97091	08	+	pr_o
628	01091	07	pr_o	pr_o
715	01101	08	pr_o	pr_o
703	94102	09		
827	00111	08	+	+
817	92091	07	pr_o	pr_o
804	92111	08	ir	+
809	91101	08	+	pr_o
894	97110	08	+	pr_o
534	97091	07	r_o	$r_oir_od_or_o$
559	00080	05	+	+
462	97071	06	+	r_o
354	93091	05	ir_o	$r_or_orr_o$
414	97101	08	r_o	r_od_o
360	97101	06	+	ir_o
396			+	+
257	97091	06	r_o	+
262	00101	08	+	+
222	92101	07	r_o	r_o
302	97111	09	ir_o	+
334	97091	07	r_or_o	+
318	92101	09	r_or_or	+
204	95111	09	d_or_o-r	r_o
131	95111			
162	01081	05	$pr_or_or_o$	$r_or_o-r_or$
135	92111	08	$pr_od_or_o$	r_o
140	03101	07	$pr_or_or_o$	ir_o
171	00081	02	+	+
091	00031	52	+	+
005	02022	00	phr	$pr_or_or_o$
075	93041	01	pr_o	pr_o
010	02071	05		
049	06082	05	pr_o	$pr_or_or_or_o$
026	03071	05	pr_o	$pr_or_or_oprpr_o$
022	02091	07	$pr_or_or_or_o$	$r_or_oir_o$
100	01101	07	$prpr_o$	$prpr_o$
917	02091	08	$r_or_or_od_or_or_od_o$	r_o
980	9110	09		
976	0010	09		
965	0308	08		
969	9110	07		
962	9510	07		
952	9510	08		
953	9209	06		

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	17001	32812	98011	03305	25530	00308	/////	/////	05500	10836	3//05	26/11
L	99573	70200	17004	82236	97606	01510	872//	00609	86703	88710	0//11	11115	31010	99/08
M	99665	70001	17004	81215	97028	91003	5842/	00703	84810	88460	0//52	10675	30404	04903
R	99469	70162	17004	71823	97022	28114	756//	00819	87630	/////	0//10	11532	30604	34209

Code FM 21.V — 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	17061	62713	98018	03305	68500	00504	/////	/////	05551	10814	3//05	26/09
L	99573	70197	17064	82238	97606	96111	853//	51722	85707	88620	0//09	11110	31010	18907
M	99666	70005	17064	30803	98018	93303	28430	00120	81815	/////	0//02	10671	30201	04903
R	99468	70159	17064	51929	97012	22315	25505	00835	82630	85273	0//12	11561	30708	34206

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. 42730

Date of Issue SATURDAY 18 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 17 November 1978

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	72215	66801	29711	784//	07711	84818	87640	
Hurn	862	72411	81158	30313	48501	09713	82820	83640	87075
Manston	797	72314	82031	30013	11541	08804	81820	87075	
Gatwick	776	72310	75021	30313	684/6	09811	83817	85650	87280
Kew	775	72108	75021	29313	58531	08814	81820	85650	85075
Heathrow	772	72009	75021	29113	38571	08812	81820	83650	85075
Honington	586	72312	81021	27612	11532	07804	81824	87075	
Wattisham	590	72514	75022	28112	18402	07807	81815	87078	
Gorleston	497	62511	66026	27312	21544	08000	82825	83358	86075
Aberporth	502	71918	72258	25111	68432	08816	81815	85818	87075
Filton	628	72414	80018	28711	18502	08812	81825	86075	
Rhoose	715	72216	82028	28212	38432	10812	81818	83656	87075
Hartland Point	703	72620	74022	27211	784//	07715	84715	87825	
Mount Batten	827	72118	78258	29812	78402	08710	82818	87632	
St.Mawgan	817	81813	82038	28711	884//	08816	83813	88627	
Scilly	804	82118	81021	28213	855//	06818	88628		
Culdrose	809	82216	68028	28912	884//	07817	81812	83625	88635
Guernsey	894	72219	83022	31912	12432	07811	81815	87075	
Elmdon	534	72114	65032	26811	68432	08812	83814	86640	
Cardington	559	72315	70022	27813	11532	09810	81820	87075	
Wittering	462	62314	80016	26412	11431	08811	81818	86078	
Watnall	354	62315	65036	25112	38401	08617	83818	86070	
Shawbury	414	62115	80018	24913	38542	08818	82823	83362	86075
Finningley	360	72113	75036	23813	58542	08815	83820	83628	87075
Spurn Point	396	72315	60012	24412	40972	09712	84360	86075	
Leeming	257	72211	81022	22112	7543/	09710	81616	83622	86628
Tynemouth	262	72315	69021	19612	3557/	08811	83625	87359	
Carlisle	222	72315	65016	19311	784//	09714	82710	84818	87628
Valley	302	72029	70258	22511	784/2	10819	81815	87642	
Ringway	334	52215	75016	24311	18441	08815	81815	84359	
Squires Gate	318	72318	65802	23311	784//	09811	82818	84625	87640
Ronaldsway	204	72120	75026	20412	58436	08819	81716	85650	87073
Mull of Galloway	131	82333	70026	18711	4252/	09817	84820	88458	
Eskdalemuir	162	82021	65216	18009	884//	08816	85710	84818	88625
Prestwick	135	82016	78036	17411	7537/	08610	81708	83712	86622
Abbotsinch	140	82221	65606	15711	5547/	08713	81712	85618	88462
Leuchars	171	82216	56588	14711	853//	08710	82709	83712	87615
Dyce	091	81917	75022	12210	7542/	09812	82714	85636	87650
Lerwick	005	82325	40026	04010	852//	08720	85705	88625	
Wick	075	82010	68608	08210	5547/	07713	81715	85635	86359
Sule Skerry	010	82528	62026	05011	874//	10716	88715		
Cape Wrath	049	82332	66606	04511	874//	10827	88710		
Stornoway	026	82122	65218	06010	6541/	09723	84618	83628	88462
Benbecula	022	82224	62616	07610	6532/	10822	83707	84618	88556
Tiree	100	82025	62218	11311	7547/	09721	83712	86622	88462
Aldergrove	917	82117	75022	17510	4647/	08725	82714	83359	88460
Malin	980	81824	80026	13410	5542/	08825	81716	85650	88462
Belmullet	976	81929	76036	10811	6647/	09849	85716	83638	88359
Birr	965	82015	80032	18411	864//	07829	87716	87630	
Dublin	969	82017	82021	19511	6547/	07827	81716	86620	87459
Shannon	962	81813	82022	17611	6547/	08834	82713	84630	85645
Roches Point	952	81832	56258	20711	864//	09829	87712		
Valentia	953	82025	58608	17212	5642/	11834	85712	88458	

OBSERVATIONS at 18h. 17 November 1978

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	72116	83028	26010	785//	07615	83825	87635	
862	82011	80038	26713	885//	06713	81820	88643	
797	72114	75252	27411	784//	09810	81815	83630	87656
776	72211	70028	27610	754//	09605	81710	83625	87650
775	82012	75028	26211	1567/	08708	81640	88465	
772	72010	75028	26011	5562/	08708	85640	87465	
586	72015	80022	24811	755//	07710	84620	87628	
590	82216	75032	25510	855//	07711	82622	88645	
497	72013	64032	24611	755//	07710	87625		
502	81823	56638	19610	853//	10819	82706	86710	88618
628	72218	65808	24111	784//	07816	84818	87628	
715	82115	62608	24011	855//	08617	88624		
703	82326	80606	21911	855//	09817	82620	88640	
827	82026	65022	25413	855//	10713	88620		
817	81818	70608	24412	854//	08611	84710	88618	
804	82118	60022	23513	855//	12616	88625		
809	82022	68508	24112	854//	11616	83710	86614	88630
894	72018	81026	28412	755//	07612	83620	87650	
534	82115	62602	22810	7542/	07611	82615	84626	87640
559	82119	75258	24411	856//	08712	84630	88638	
462	72117	82028	22810	785//	07715	81820	85630	87640
354	82310	65628	21209	4562/	07717	84645	88556	
414	81916	75618	19910	7542/	07823	81713	84618	87640
360	81917	65808	19510	884//	08719	85818	88645	
396	72116	60012	20611	6567/	07718	86645	87360	
257	72116	80032	16511	755//	06722	87620		
262	72318	80022	13111	5557/	06840	85620		
222	82218	62218	11811	7542/	08343	81712	83622	86630
302	82036	62608	15912	853//	10827	82709	88613	
334	81913	62636	19609	7542/	08718	81615	87622	88556
318	81919	65638	16910	7562/	09732	87633	88460	
204	82132	56628	12011	852//	09744	81704	85712	88616
131	82147	70606	07711	4552/	09764	84625	88458	
162	82028	50638	10009	872//	09841	86705	88710	
135	82023	59636	06610	854//	09761	82710	84614	85622
140	82026	50636	04910	6532/	09870	82709	86616	88540
171	62216	80215	06210	35572	06750	83622	83462	86070
091	81918	75036	04610	854//	07845	81616	88620	
005	82121	35636	98909	872//	08724	86705	88710	
075	82117	82026	00709	5542/	07741	83618	84650	88460
010	82526	62616	98910	3742/	09733	83710	88558	
049	82330	60636	98009	874//	08734	88710		
026	81921	67636	97509	7542/	09747	85711	87616	87640
022	81816	56656	95409	853//	09874	83708	88614	
100	81936	50598	97919	862//	10676	86705	88709	
917	82019	70606	07910	873//	09644	83708	88710	
980	72036	65606	01611	764//	10642	83712	86716	85640
976	82322	24615	06113	863//	13315	86706	88713	
965	82016	64026	11513	864//	10617	86713	87626	
969	82224	70606	11512	6547/	09635	85718	86625	88459
962	71916	80216	11614	7747/	12710	84715	84720	87458
952	81931	40616	15812	873//	12618	88707		
953	82128	60615	12414	863//	14713	88708		

OBSERVATIONS during DAY

iii	RRT_xT_E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	92121	010	pr_o	$pr_or_or_o$
862	91141	015	pr_o	r_o
797	91140	044	pr_o	pr_o
776	92131	021	pr_o	r_o
775	97131	036	pr_o	pr_or_o
772	97131	031	pr_o	$pr_or_or_o$
586	92131	047	+	r_or_o
590	91131	054	+	r_or_o
497		030		
502	05111	008	pr_o	r_or_orr
628	93131	022	pr_o	$pr_oir_or_o$
715	03131	011	pr_o	$pr_or_or_or_o$
703	01131	001		
827	97131	000	pr_o	r_or_o
817	92131	008	pr_opr	$r_od_or_o$
804	97140	000	+	ir_o
809	93131	000	pr_o	$id_od_od_oid_o$
894	97130	053	jp	ir_o
534	94121	027	+	r_o-r_o
559	92130	044	+	$pr_orr_or_o$
462	93131	038	+	pr_or_or
354	01131	018	pr_o	pr_or_or
414	92131	011	pr_o-r_o	r_or_o
360	97131	020	+	pr_o
396			+	ir_o
257	97131	005	+	d_o
262	00121	000	+	+
222	02121	000	$r_orr_or_opr_o$	$r_ordrd_or_o$
302	02131	002	pr	rd_od_o
334	01121	003	r_o	$r_orrr_or_o$
318	03121	001	pr_opr	pr_or_orR
204	02131	000	pr	rir_o
131	97121			
162	16102	000	rrr_opr_o	$rrRR$
135	03131	000	ir_o	$rrir_o$
140	06112	000	$r_or_od_or_or$	$r_orRd_or_odr$
171	93121	004	$pr_or_od_or_o$	r_oir_o
091	97111	001	r_o	$r_or_or_o$
005	14101	000	r_or_orrir	rrr_or_oRRrr
075	02101	000	ir_o	ir_oRrr
010	08112			
049	09112	000	$rrir_o$	rrr_or_o
026	11112	000	pr_oir_orr	$rrr_or_od_o$
022	19111	000	$id_or_or_orr$	$rrRRd_od_o$
100	08121	000	pr_odrRr	$r_or_oRdrd_o$
917	01121	000	r_o	$r_ord_or_od_o$
980	0214	000		
976	0713	000		
965	9614	001		
969	9513	002		
962	0114	000		
952	0513	000		
953	0915	000		

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

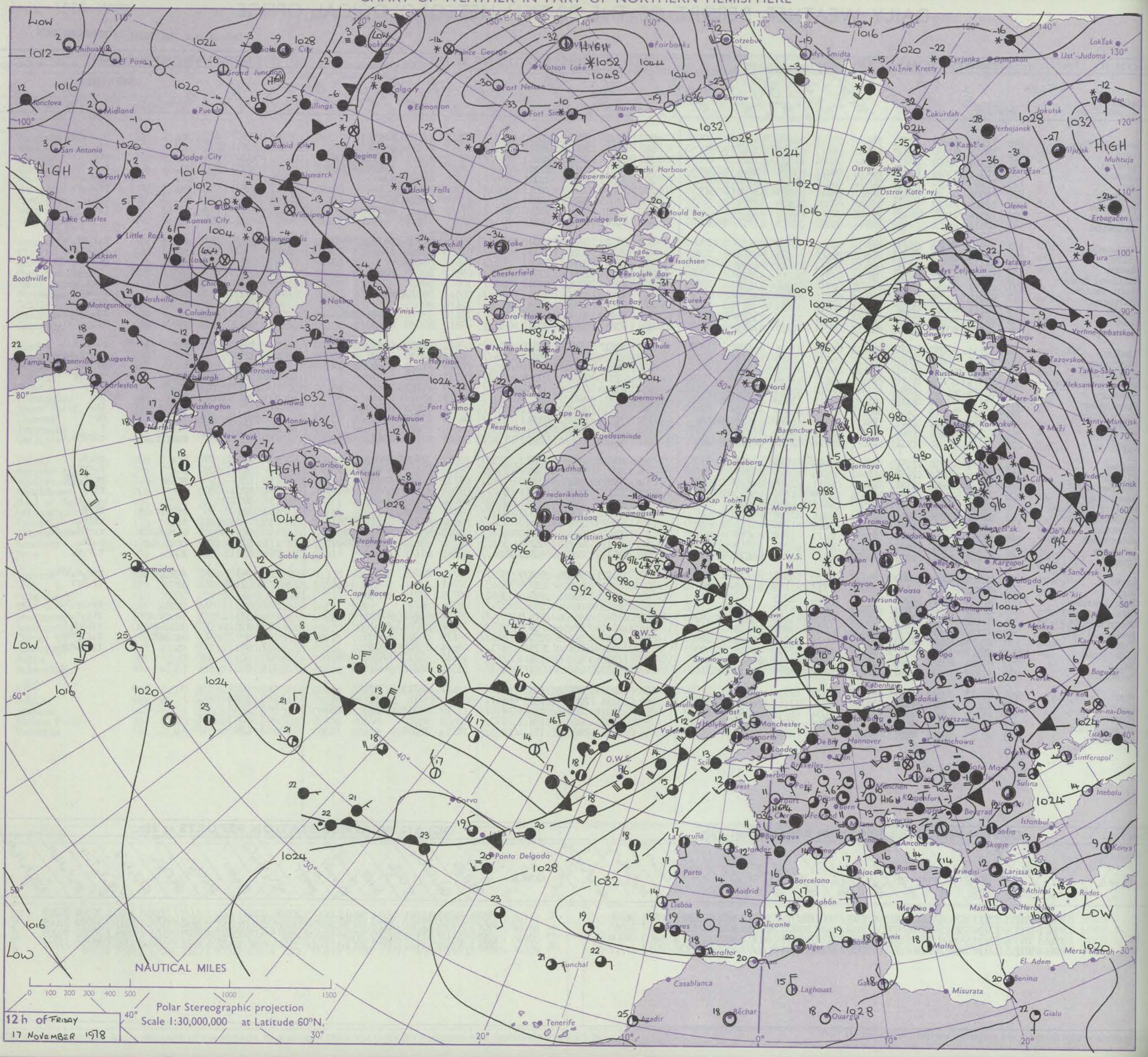
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	17121	82508	97278	02304	5345/	00704	/////	/////	05801	10812	30201	26008
L	99571	70201	17124	72525	98216	95508	5543/	00311	83710	87358	0//03	11132	31007	22010
M	99665	70006	17124	70000	97038	95003	49402	00000	82810	81912	0//51	10676	30203	04904
R	99466	70155	17124	81932	96616	21815	874//	00802	88710	/////	0//15	11538	30712	/////

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	17181	42611	98018	00105	22550	00500	/////	/////	05550	10803	30504	26209
L	99572	70199	17184	82728	98038	97708	58316	00116	83709	86464	0//04	11100	31009	22009
M	99666	70007	17184	81209	97258	88603	893//	00739	84808	85910	0//01	10613	30302	99/05
R	99463	70149	17184	81927	97016	20016	55378	00400	82706	85613	0//16	11533	30710	/////

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

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE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HIGH
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1024
1028
1032
Low
1016
1020
Low
1024
1028
Low
1020
Mersa Matruh
Fairbanks
Watson Lake
Fort Nelson
Fort Simpson
Inuvik
Barrow
Kotzebue
Mys Šmidta
Nižnie Kresty
Lokšak
Ust'-Judoma
Jakutsk
Ojmjakon
Žyrjanka
Čokurdah
Verhojansk
Kazač'e
Ostrov Zohova
Ostrov Kotel'nyj
Tiksi
Olenek
Tura
Hatanga
Mys Čeljuskin
Dikson
Russkaja Gavan'
Tazovskoe
Tarko-Sale
Aleksandrovskoe
Mare-Sale
Verhne-Imbatskoe
Igarka
Ostrov
Uelen
Provideniya
Anadyr
Mys Kamenskij
Markovo
Mys Kamakuly
Mezen
Narjan-Mar
Ust'-Cil'ma
Inta
Vorkuta
Salehard
Tobol'sk
Berezovo
Ob'jacevo
Perm'
Kirov
Kotlas
Archangel'sk
Onega
Petrozavodsk
Leningrad
Vologda
Sankt-Peterburg
Kargopol
Belozersk
Sančursk
Buzuluk
Kuibyšev
Saratov
Penza
Kazan'
Ufa
Orenburg
Čkalov
Magnitogorsk
Orsk
Aktjubinsk
Guryev
Astrahan'
Volgograd
Saratov
Penza
Kazan'
Ufa
Orenburg
Čkalov
Magnitogorsk
Orsk
Aktjubinsk
Guryev
Astrahan'
Volgograd
Moskva
Kalinin
Gor'kij
Kirov
Kotlas
Archangel'sk
Onega
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Leningrad
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Kargopol
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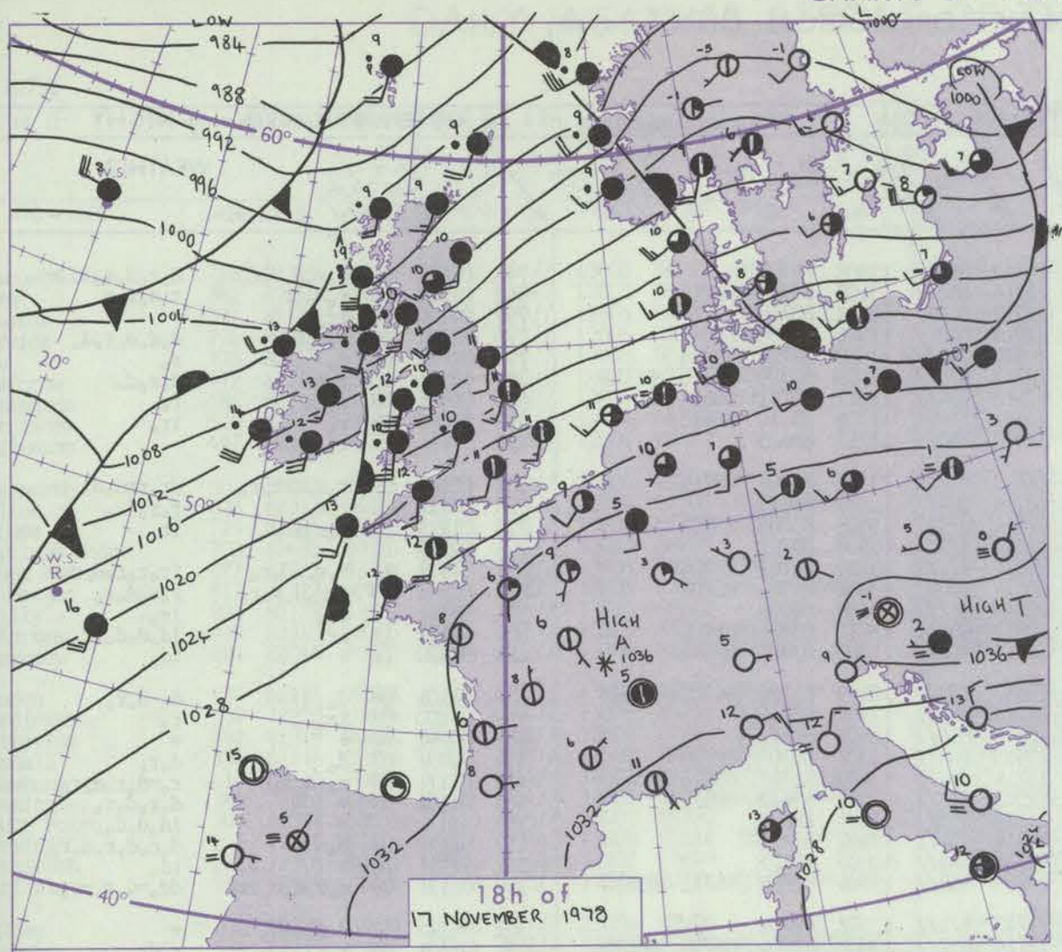
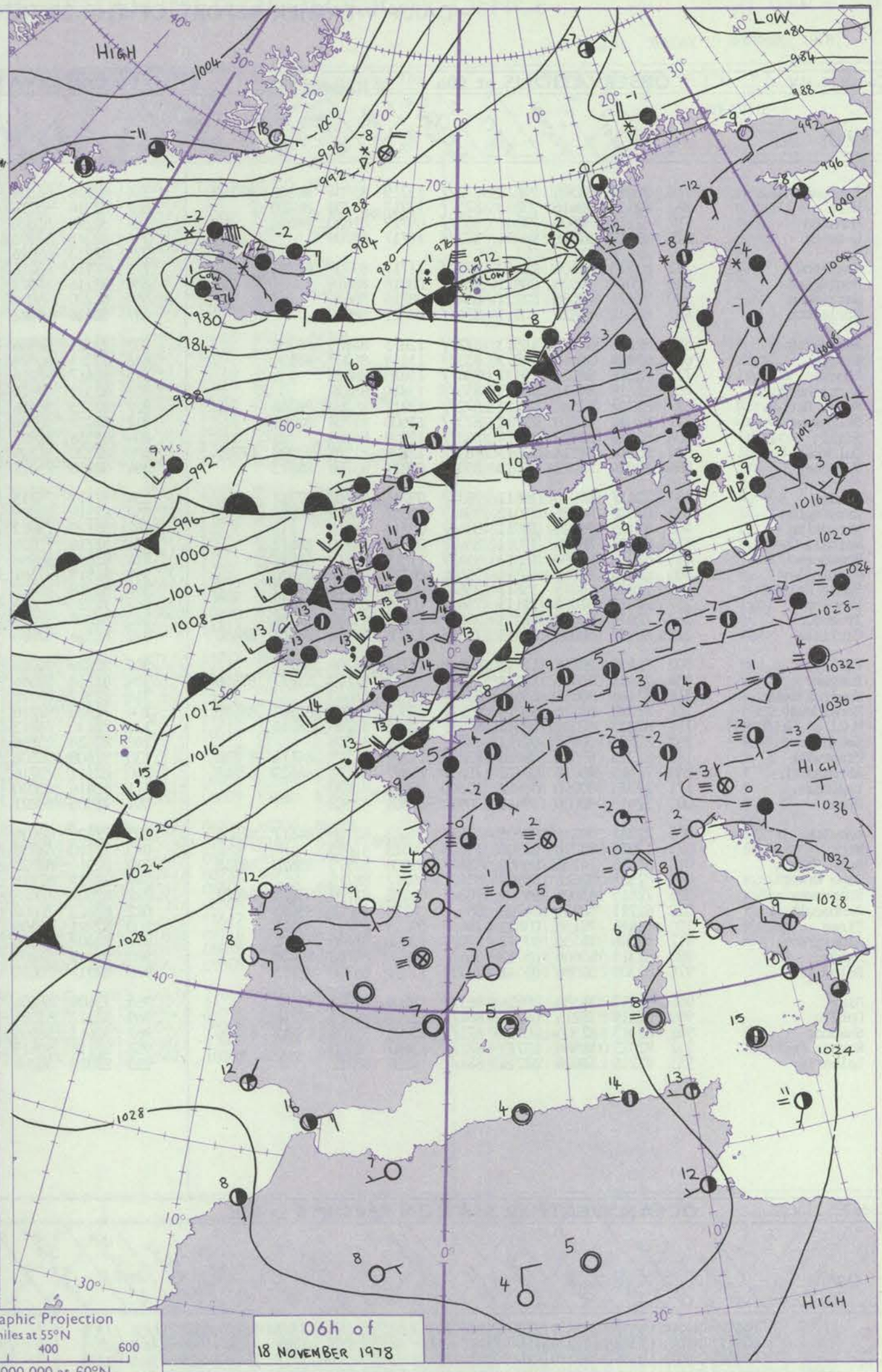
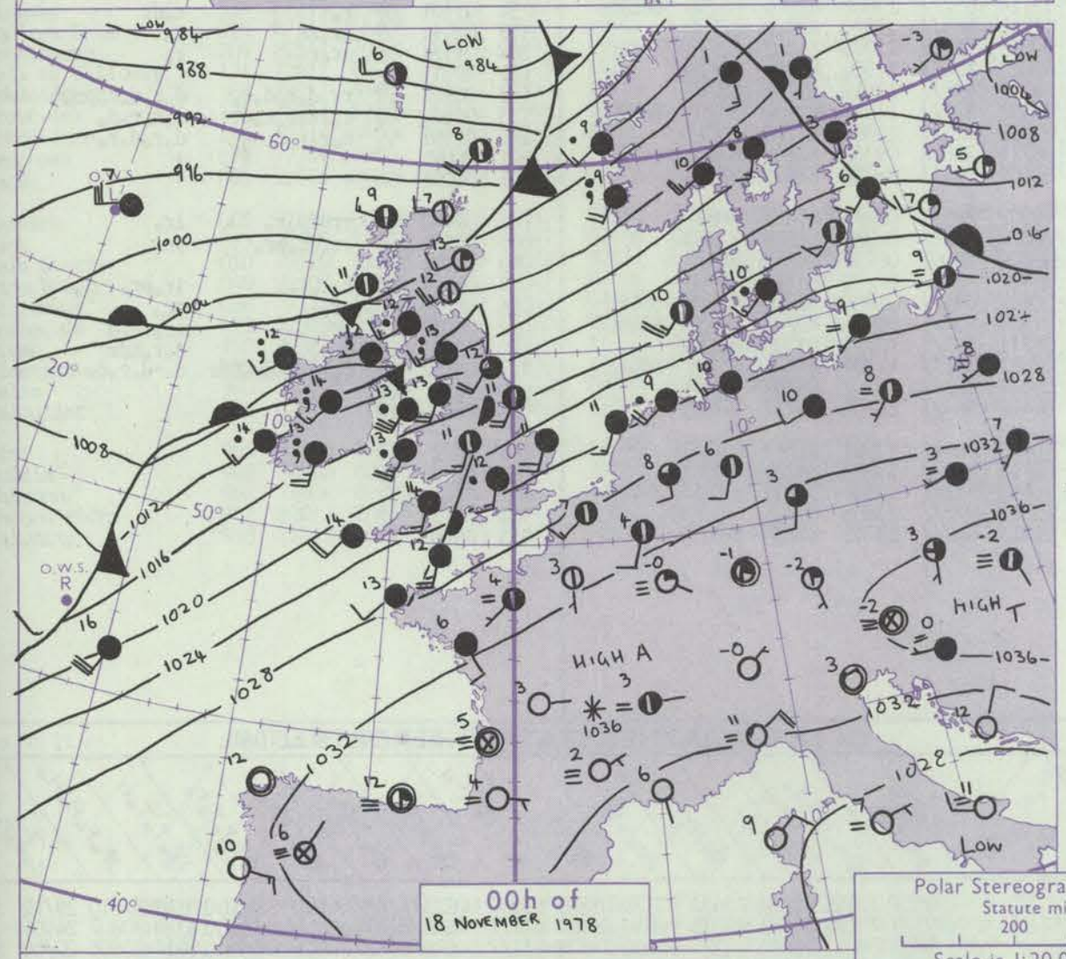
Sančursk
Buzuluk
Kuibyšev







GENERAL SYNOPTIC DEVELOPMENT

Issued at midday SATURDAY 18 NOVEMBER 1978

During the past 24 hours pressure remained high from Central Europe to France and Spain while frontral troughs moved northeast over the British Isles maintaining a west to southwest airflow over all parts.

During the next 24 hours pressure is expected to continue high over Central Europe with an active frontal trough moving northeast across northern districts and a cold front moving southeast over Ireland and Scotland later. The southwesterly airflow will continue over most parts but is expected to veer to northwesterly over Ireland and Scotland behind the cold front.

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

OBSERVATIONS at 00h. — 18 November 1978

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	82219	64586	22612	872//	12719	83704	86706	88710
Hurn	862	82116	70616	23813	873//	12717	84708	88710	
Manston	797	82121	70606	24311	855//	09719	81620	88656	
Gatwick	776	82113	57516	24311	873//	10717	88709		
Kew									
Heathrow	772	81913	62606	22512	873//	11717	83709	88711	
Honington	586	82017	75026	20811	854//	08818	88618		
Wattisham	590	82115	65036	22211	854//	08716	88616		
Gorleston	497	82021	66026	20911	856//	08723	88640		
Aberporth	502	82126	58636	16513	872//	12613	84705	88708	
Filton	628	82214	50618	20812	853//	11618	86707	88620	
Rhoose	715	82316	80026	20113	854//	11620	88616		
Hartland Point	703	82628	64616	19313	855//	13810	88620		
Mount Batten	827	82224	32586	22614	872//	13811	85703	88706	
St.Mawgan	817	82018	62216	22013	873//	11608	83706	88707	
Scilly	804	82218	62026	21714	863//	12709	88709		
Culdrose	809	82218	59216	22613	863//	12808	81706	83708	88710
Guernsey	894	82024	75022	26012	853//	09811	83709	88613	
Elmdon	534	72117	65036	18511	763//	09714	86708	87711	
Cardington	559	82118	64026	20312	854//	09817	85619	88625	
Wittering	462	82118	75026	18911	854//	09716	88613		
Watnall	354	82216	68206	17011	854//	09712	86710	88612	
Shawbury	414	82016	62586	16313	854//	11819	86712	88618	
Finningley	360	62024	75018	14311	55401	08721	82618	84650	
Spurn Point	396	72020	66016	15811	3567/	08719	83640	87360	
Leeming	257	72022	81015	11113	754//	10719	85612	87630	
Tynemouth	262	72014	81022	08213	3563/	10616	83630	87358	
Carlisle	222	82417	56586	08613	7532/	12806	84709	86615	88460
Valley	302	82133	56616	12813	872//	13716	81704	88705	
Ringway	334	72121	75026	15112	754//	10612	82710	83622	87650
Squires Gate	318	82118	65036	13613	854//	11810	88613		
Ronaldsway	204	82223	57216	09713	852//	12808	81703	85705	88620
Mull of Galloway	131	82235	60526	08012	872//	12005	83705	88710	
Eskdalemuir	162	82225	30616	07711	873//	11801	88706		
Prestwick	135	82313	65616	07612	852//	11220	81703	84615	87630
Abbotsinch	140	72415	65016	06512	754//	10127	81715	84620	87645
Leuchars	171	12323	80016	03012	15600	09307	81630		
Dyce	091	32415	80036	99413	30930	09304	83362		
Lerwick	005	72221	80216	93608	4533/	07623	82706	84617	87358
Wick	075	12608	84016	97307	15600	06313	81635		
Sule Skerry	010	82316	74258	95809	5347/	09206	82915	85820	88358
Cape Wrath	049	82315	70616	96909	874//	09217	88715		
Stornoway	026	72815	65808	99509	783//	09238	81709	83815	86622
Benbecula	022	62721	80256	01709	684//	08233	82818	85635	
Tiree	100	72416	70156	03811	784//	09229	83711	86622	
Aldergrove	917	82506	26536	07512	870//	12000	86700	88702	
Malin	980	82315	65606	05711	5642/	10206	85712	88458	
Belmullet	976	82309	60586	06512	863//	11001	86706	88715	
Birr	965	82213	56586	09814	863//	13608	87708	88627	
Dublin	969	82219	70215	09515	864//	12711	86713	88718	
Shannon	962	82313	62506	10714	873//	13303	83709	85712	87716
Roches Point	952	82025	50586	13713	872//	13607	88705		
Valentia	953	82216	58606	12214	864//	14204	88711		

OBSERVATIONS at 06h. — 18 November 1978

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	82218	66506	20613	862//	12608	88705		
Hurn	862	82316	65216	21714	862//	13609	86705	88711	
Manston	797	82218	65026	21612	864//	10611	88710		
Gatwick	776	82216	57505	21913	853//	11506	86709	88614	
Kew	775	82213	65026	20314	864//	11608	84711	88714	
Heathrow	772	82114	65216	20214	873//	12505	82709	86710	88712
Honington	586	82116	62602	17913	854//	11611	82711	88614	
Wattisham	590	82220	60022	19013	854//	11705	85710	88613	
Gorleston	497	82118	66022	17913	855//	11713	88625		
Aberporth	502	82125	58586	14713	873//	13707	83707	88711	
Filton	628	82313	60026	18714	864//	12609	88711		
Rhoose	715	82417	70216	18414	872//	13608	83705	88709	
Hartland Point	703	82532	62026	17213	871//	13508	88702		
Mount Batten	827	82225	56616	21014	872//	13709	86703	88704	
St.Mawgan	817	82218	50586	20114	870//	13608	84701	88702	
Scilly	804	82318	62026	20014	862//	13708	88705		
Culdrose	809	82220	56205	20513	860//	13711	83701	88702	
Guernsey	894	82218	75022	24513	853//	11705	83708	87612	
Elmdon	534	72117	75215	15413	753//	12609	81706	86707	87622
Cardington	559	82218	64026	18214	864//	12504	88712		
Wittering	462	82120	75022	16014	854//	12608	88612		
Watnall	354	82216	70035	13913	863//	12507	85708	88710	
Shawbury	414	82013	56586	13714	854//	13604	86711	88616	
Finningley	360	81915	77581	12513	854//	12509	85612	88620	
Spurn Point	396	82018	66022	13614	855//	11506	88620		
Leeming	257	72220	70586	09314	754//	13502	87615		
Tynemouth	262	82308	61505	06814	855//	12605	88625		
Carlisle	222	82514	62026	06714	853//	13504	82708	84711	88615
Valley	302	82226	56026	11713	871//	13502	88702		
Ringway	334	82216	58586	12714	852//	13602	82704	86706	88618
Squires Gate	318	82322	65026	11213	863//	13500	85706	88708	
Ronaldsway	204	72320	62216	09013	752//	12303	81703	83714	86620
Mull of Galloway	131	72430	74015	07013	754//	12304	83710	87630	
Eskdalemuir	162	82424	25586	04713	872//	12613	85704	88707	
Prestwick	135	82408	56506	06011	870//	11501	82701	83702	86703
Abbotsinch	140	62411	70216	05311	663//	10502	81708	84714	
Leuchars	171	42416	80030	03711	25602	09303	82640	83070	
Dyce	091	71905	80021	02607	1543/	06306	81615	87363	
Lerwick	005	72520	80036	96307	785//	03216	83821	86637	
Wick	075	72710	82038	00307	2843/	06305	81818	87360	
Sule Skerry	010	82914	82028	98809	46407	06208	84710	88275	
Cape Wrath	049	82721	82216	99807	4647/	07102	84715	88460	
Stornoway	026	82407	70028	00407	884//	06000	82710	83818	88630
Benbecula	022	82413	70602	01209	854//	06706	82712	83630	88640
Tiree	100	82221	56586	02711	853//	10711	83708	88613	
Aldergrove	917	82407	40506	07511	851//	11307	83702	85707	88632
Malin	980	82419	62605	05611	863//	10302	86708	88714	
Belmullet	976	82217	70036	07411	864//	10103	86712	87636	
Birr	965	72409	66206	10313	764//	12501	85711	87626	
Dublin	969	82212	65586	09714	863//	13303	84706	88710	
Shannon	962	82611	58505	10613	872//	12504	82705	85707	87709
Roches Point	952	82118	50615	12813	872//	13605	88705		
Valentia	953	82313	56206	11913	862//	13703	84703	88710	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	02101	09	$r_or_od_or_od_or_o$	$d_or_od_or_oid_or$
Hurn	862	02121	10	r_od_orr	$r_od_or_or$
Manston	797	97100	10	ir_o	+
Gatwick	776	91101	09	$r_od_od_o$	$d_od_od_or_od_o$
Kew	775	97121	09	r_o	r_o
Heathrow	772	97121	10	r_or_o	$d_or_od_o$
Honington	586	97091	08	r_or_o	r_o
Wattisham	590	97090	08	r_o	ir_o
Gorleston	497				
Aberporth	502	05101	09	$r_or_orrr_or_o$	$dr_orrd_od_o$
Filton	628	01111	09	r_or_o	$r_or_oir_o$
Rhoose	715	01111	09	$r_or_oir_o$	ir_o
Hartland Point	703	02122	11		
Mount Batten	827	01131	12	$r_or_ord_or_o$	$ir_or_or_od_od_o$
St.Mawgan	817	02131	10	$d_or_od_or_or_o$	$r_or_od_or_o$
Scilly	804	97141	12	ir_o	ir_o
Culdrose	809	97131	11	ir_o	$id_od_od_oir_o$
Guernsey	894	97120	11	+	id_o
Elmdon	534	97101	08	d_o	$d_o-d_or_o$
Cardington	559	97100	08	ir_o	r_o
Wittering	462	00091	08	+	+
Watnall	354	92091	07	d_o	d_or_o
Shawbury	414	01111	09	$r_o-d_or_o$	$r_o-d_or_od_or_o$
Finningley	360	01101	08	+	$d_or_od_or_o$
Spurn Point	396			+	$id_od_od_o$
Leeming	257	91110	09	d_o	$d_od_od_or_od_or_o$
Tynemouth	262	97111	10	+	id_o
Carlisle	222	02121	09	$d_or_od_or_odrd$	$dd_o-d_or_o-r_o$
Valley	302	96121	11	$d_od_or_or_o$	+
Ringway	334	01101	09	r_o	r_odr
Squires Gate	318	02111	09	ir_orR	r_o
Ronaldsway	204	01121	09	ir_or	r_o
Mull of Galloway	131	92111			
Eskdalemuir	162	05102	09	$rr_od_or_od_or_o$	$d_or_od_or_opr_o$
Prestwick	135	04101	09	$r_oir_or_or_odr$	$d_or_od_o$
Abbotsinch	140	01101	09	$d_or_or_od_o$	$d_or_od_or_o$
Leuchars	171	00091	07	+	+
Dyce	091	00051	00	+	+
Lerwick	005	01072	04	$rrRRp_or_o$	ir_o
Wick	075	95061	04	$rrr_or_opr_o$	pr_o
Sule Skerry	010	03071	07		
Cape Wrath	049	04072	06	$r_or_oir_o$	ir_opr_o
Stornoway	026	96071	05	pr_o	pr_o
Benbecula	022	01071	07	pr_o	ir_oid_od
Tiree	100	02091	09	d_or_o	d_or_oRdr
Aldergrove	917	09102	09	$d_o-d_or_odrDRdr$	$d_o-d_or_od_o$
Malin	980	9110	08		
Belmullet	976	9610	09		
Birr	965	9612	12		
Dublin	969	9213	10		
Shannon	962	0112	11		
Roches Point	952	0513	12		
Valentia	953	0510	07		

OCEAN WEATHER STATION REPORTS at 00h.

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	18001	52916	97278	02504	53400	00315	/////	/////	05851	10812	3//08	///09
	99572	70188	18004	82328	98116	97307	5632/	00712	85708	88461	0//07	11074	30909	18905
	99665	70007	18004	80821	95688	79302	872//	00755	88705	/////	0//02	10629	30304	99/03
	99460	70145	18004	82030	97032	19916	4543/	00710	84616	87358	0//16	11545	30710	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	18061	62817	97278	05505	63400	00221	/////	/////	05651	10810	3//10	29/12
	99573	70196	18064	82015	96618	90107	872//	00860	88704	/////	0//07	11070	30807	24906
	99665	70010	18064	80237	94696	74101	872//	00609	86705	88708	0//01	10637	30505	00/00
	99461	70146	18064	82226	97516	16415	873//	51513	88706	/////	0//15	11538	30706	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. Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42731

Date of Issue SUNDAY 19 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 18 November 1978

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	82315	68215	20214	863//	13602	86707	88709	
Hurn	862	82216	61026	21515	853//	13802	86708	88612	
Manston	797	82118	60612	20913	873//	12805	83706	88707	
Gatwick	776	82318	40516	21114	872//	13804	85704	88706	
Kew	775	82115	65216	19415	873//	13808	85707	88709	
Heathrow	772	82113	65216	19315	863//	14807	83707	88709	
Honington	586	82116	72016	17415	854//	13806	85712	88618	
Wattisham	590	82215	62036	18714	863//	12704	88708		
Gorleston	497	82118	60022	17215	855//	12806	88625		
Aberporth	502	82223	57635	14614	872//	14804	85703	88708	
Filton	628	82313	68206	18515	853//	13704	82708	85710	88618
Rhoose	715	82416	66216	18115	853//	13804	81709	88610	
Hartland Point	703	82635	30026	16914	872//	13000	88705		
Mount Batten	827	82222	57506	20714	853//	13804	85708	88616	
St.Mawgan	817	82017	60206	19714	852//	13805	83703	85706	88612
Scilly	804	82118	57032	18914	854//	13711	88612		
Culdrose	809	82310	56206	20514	862//	13205	84705	88709	
Guernsey	894	82019	70022	23614	862//	13708	82703	87705	
Elmdon	534	82115	30526	15414	853//	13803	86707	88612	
Cardington	559	72220	68606	17316	6547/	13806	85712	85620	
Wittering	462	82319	80602	16215	853//	13602	84709	88612	
Watnall	354	82116	58516	14114	853//	13602	85708	88610	
Shawbury	414	81910	70606	13915	854//	14803	81710	87615	88630
Finningley	360	72016	61616	12415	754//	14808	82710	85620	87645
Spurn Point	396	82316	58035	13315	865//	13400	88720		
Leeming	257	72215	80216	10316	55442	13801	83616	85626	87072
Tynemouth	262	72508	80025	08716	55534	11105	85620		
Carlisle	222	72616	70026	09013	783//	12208	82706	83710	86640
Valley	302	92220	08474	12113	9////	13001	89/00		
Ringway	334	82215	25636	13014	872//	14802	82703	86704	88707
Squires Gate	318	82417	56506	12013	861//	13002	83702	88703	
Ronaldsway	204	82511	70036	10613	753/7	12106	81708	88618	88270
Mull of Galloway	131	72415	84028	09612	38436	11205	81715	87275	
Eskdalemuir	162	72217	65038	07412	48502	10110	83820	83635	87070
Prestwick	135	72311	82025	07812	48442	10003	81815	84645	87075
Abbotsinch	140	72114	84031	07012	48438	09205	81818	84640	86270
Leuchars	171	72319	84031	05013	18402	07204	81818	87070	
Dyce	091	72705	80802	03512	68442	07302	81715	85630	87070
Lerwick	005	72516	80258	99407	783//	03213	81709	83818	86640
Wick	075	72309	83026	01709	3847/	07106	81818	83656	85360
Sule Skerry	010	72720	81022	99909	32578	07211	83820	85360	87275
Cape Wrath	049	72609	74808	00508	5347/	08104	83915	85620	87360
Stornoway	026	72117	81022	00509	6843/	07400	82816	86635	87362
Benbecula	022	72319	75016	01410	11402	08605	81816	87072	
Tiree	100	72311	58158	03611	782//	11803	81704	84813	87635
Aldergrove	917	72312	80035	08811	653/1	10601	81708	85712	86630
Malin	980	72120	85026	05812	51432	09807	85817	83359	
Belmullet	976	42023	70016	05813	35602	10715	83640		
Birr	965	72305	81015	10513	554/2	10806	82716	84630	86070
Dublin	969	82313	82026	10314	5647/	11000	84715	84625	88460
Shannon	962	71804	84025	10113	48478	11814	81712	83650	87275
Roches Point	952	82012	25635	12013	872//	13810	88704		
Valentia	953	71813	65022	10413	754//	12816	83712	87650	

OBSERVATIONS at 18h. 18 November 1978

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	82220	75025	18413	854//	12803	82710	88612	
862	72119	65022	19115	755//	11509	87629		
797	82114	58516	20114	852//	13702	85705	86708	88612
776	82316	68026	20014	854//	12201	83614	88618	
775	72217	70025	18715	754//	11400	87618		
772	82113	70218	18415	854//	12502	85617	88622	
586	82115	75016	16815	855//	11500	86620	88628	
590	82115	70016	17415	854//	12503	82615	88619	
497	82118	66022	16215	855//	12603	88625		
502	81922	40586	11013	872//	13717	85703	88706	
628	72214	70216	16115	754//	12812	83710	87617	
715	82117	64026	15314	854//	12713	81710	87613	88626
703	82425	56616	12613	874//	13825	88710		
827	82029	40625	17214	852//	13716	82703	86709	88615
817	81923	40596	15414	871//	13719	86702	88705	
804	82327	24216	14714	854//	14613	88612		
809	82214	15515	16613	851//	13617	87702	88625	
894	71914	72026	21614	754//	12707	81616	83620	87628
534	72017	70506	14014	754//	13705	85711	86622	
559	82220	68026	16415	854//	11500	81710	85617	88620
462	62218	80016	14515	654//	12605	83714	84620	
354	72215	70016	12414	754//	12810	87613		
414	81915	80216	11615	854//	13611	88614		
360	81914	70026	11515	854//	13603	88616		
396	72120	58016	12414	4647/	13803	84717	87359	
257	82213	80216	09215	854//	13607	83612	88623	
262	52012	69022	07314	55600	10710	85635		
222	81903	60622	06912	884//	11713	83710	86617	88632
302	82027	35506	08513	871//	13717	88702		
334	82014	30656	11014	6722/	14711	81705	83707	86710
318	81914	58636	09513	6722/	12712	86704	88513	
204	82114	63602	06813	852//	12719	81703	83706	88648
131	72115	81022	06412	3842/	11814	81715	87458	
162	82113	56102	05611	862//	10713	86705	88708	
135	72007	70022	04811	6533/	10718	81709	85650	87359
140	71908	68022	04211	654/2	09718	82711	86645	
171	72115	80022	03811	684/2	08705	82818	85626	
091	71713	80028	01610	35532	08809	81620	83635	85362
005	81921	50618	96508	853//	06721	84709	88628	
075	62017	82012	97410	25532	07733	81625	84360	86072
010	82328	81022	95211	3642/	09728	83715	88458	
049	82324	75618	94509	874//	08732	88715		
026	82620	65636	97108	853//	06504	82708	88620	
022	82723	56636	98409	7732/	08503	85707	86710	88520
100	82023	40658	99810	3742/	10517	83710	88540	
917	31910	80011	05210	10931	08716	81358	83075	
980	71924	82021	02011	58432	09618	81819	85631	86075
976	83219	64626	03109	864//	09505	85711	88717	
965	82005	56505	06013	864//	12616	86710	87630	
969	82012	70606	06115	854//	12616	82714	84620	87645
962	62212	80022	06912	35402	09508	81715	83640	85070
952	71908	60206	07913	3627/	13609	83704	87359	
953	71710	70022	08112	2647/	10505	82712	87458	

OBSERVATIONS during DAY

iii	RRT T E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	91141	000	$rr_or_od_or_o-d_o$	r_o
862	95151	000	r_od_o	r_or
797	92141	000	r_or_o	d_od_o
776	93151	000	$d_o-d_or_od_or_o$	d_o-r_o
775	92161	000	r_ord_o	+
772	91161	000	r_opr_o	r_o
586	97151	000	ir_o	+
590	97151	000	r_o	+
497		000		
502	10142	000	$drrr_or_odr$	$drd_or_od_or_od_o$
628	92151	000	$d_or_od_od_o$	ir_or_o
715	95151	001	ir_od_o	ir_orir_o
703	04142	000		
827	02141	000	d_od_o	Rrr_o
817	01151	000	d_o	$drdrd_or_o$
804	02151	000	r_o	$ir_or_or_o$
809	01142	000	ir_oid_o	$id_od_od_o$
894	97140	000	$id_od_or_oir_o$	ir_o
534	01151	000	d_or_odd	d_o-r_or
559	97160	000	ir_o	ir_o
462	97161	000	r_or_o	r_o
354	01151	000	$d_o-r_od_od_or$	$r_or_od_oir_o$
414	03151	000	$d_or_o-r_or_or$	$r_or_orir_o$
360	01161	000	$d_or_od_or_or_or_or$	r_o
396			$id_or_or_o$	r_or_o
257	92161	010	$d_od_or_o$	r_or_o
262	97161	000	id_o	+
222	01141	000	r_ord_or	r_or
302	12142	000	fd_or_o	$rrd_od_oid_o$
334	22151	000	drd_or_oRrr	rrr_oRr_o
318	17131	000	d_od_of	d_orr_oRdr
204	01141	001	+	r_or_ordr
131	97121			
162	96121	004	pr_o	d_odr
135	00131	025	+	+
140	00131	025	jp	+
171	00131	036	+	+
091	97131	040	pr_o	+
005	03092	000	pr_o	ir_orr
075	01102	003	ir_o	ir_oir
010	03112			
049	07102	000	pr_o	r_or_orr
026	06112	001	+	r_oRrpr_o
022	04111	005	r_o	$r_orrr_or_o$
100	07121	004	pr_opr	r_or_oRr
917	00121	008	+	+
980	0113	026		
976	0113	025		
965	9714	001		
969	9715	003		
962	9214	001		
952	1113	000		
953	9714	012		

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

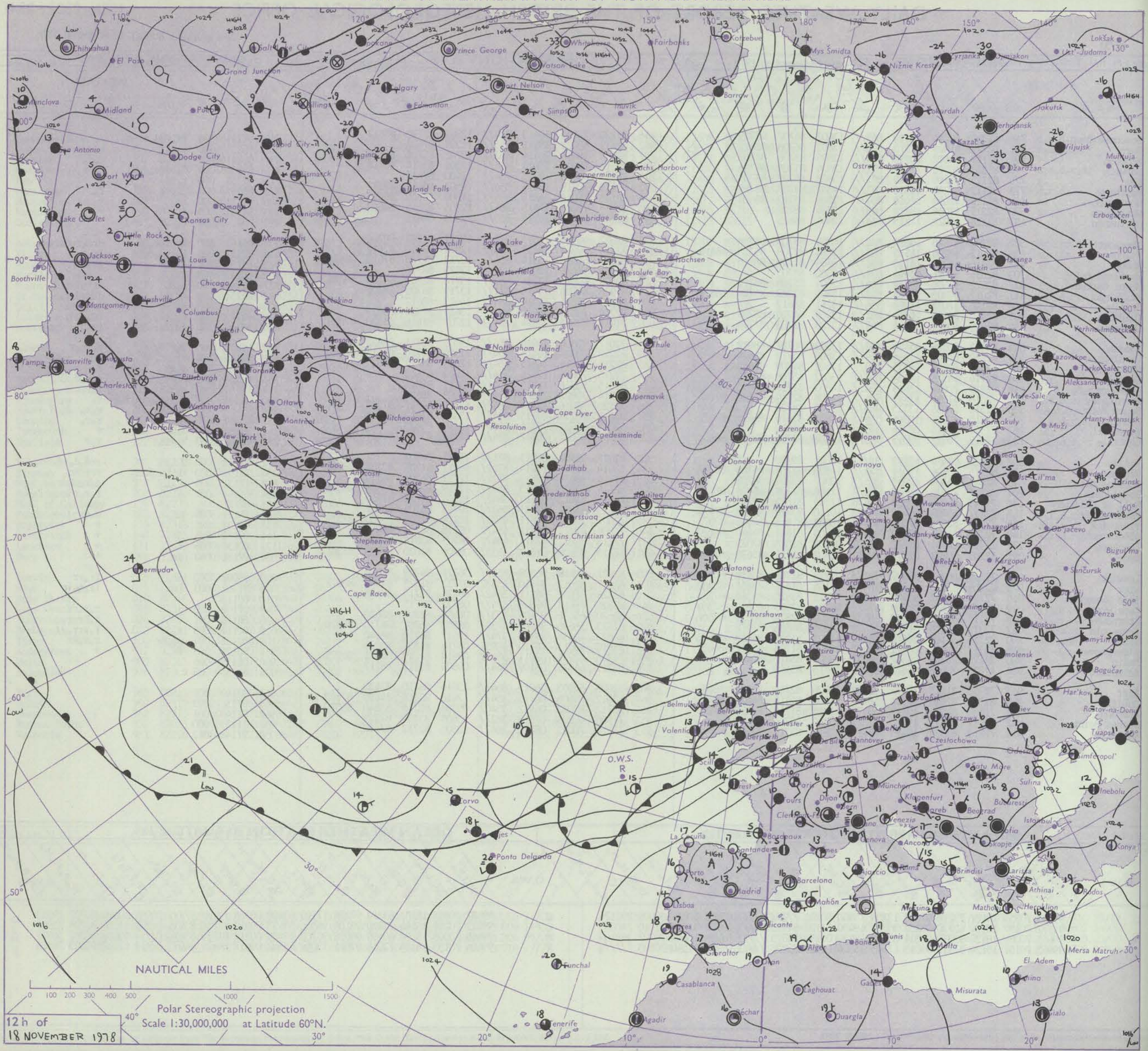
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	18121	73216	97278	13103	73400	00241	/////	/////	05952	10826	30909	29212
L	99572	70197	18124	62730	98258	95307	69400	61128	84912	/////	0//01	11073	31010	24008
M	99665	70009	18124	53319	98016	85502	48430	00153	84815	/////	0//54	10620	30707	36910
R	99463	70151	18124	32515	97015	17415	35500	00000	83625	/////	0//11	11540	30805	/////

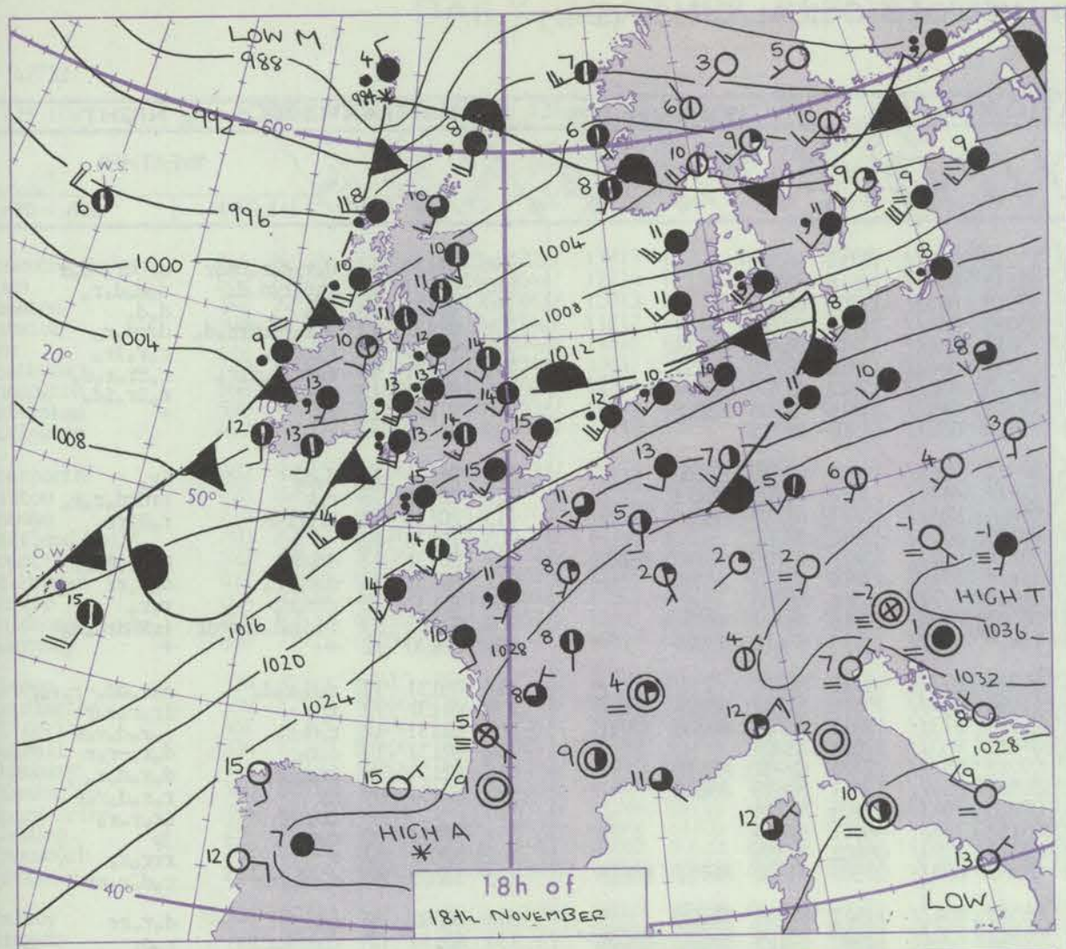
OCEAN WEATHER STATION REPORTS at 18h.

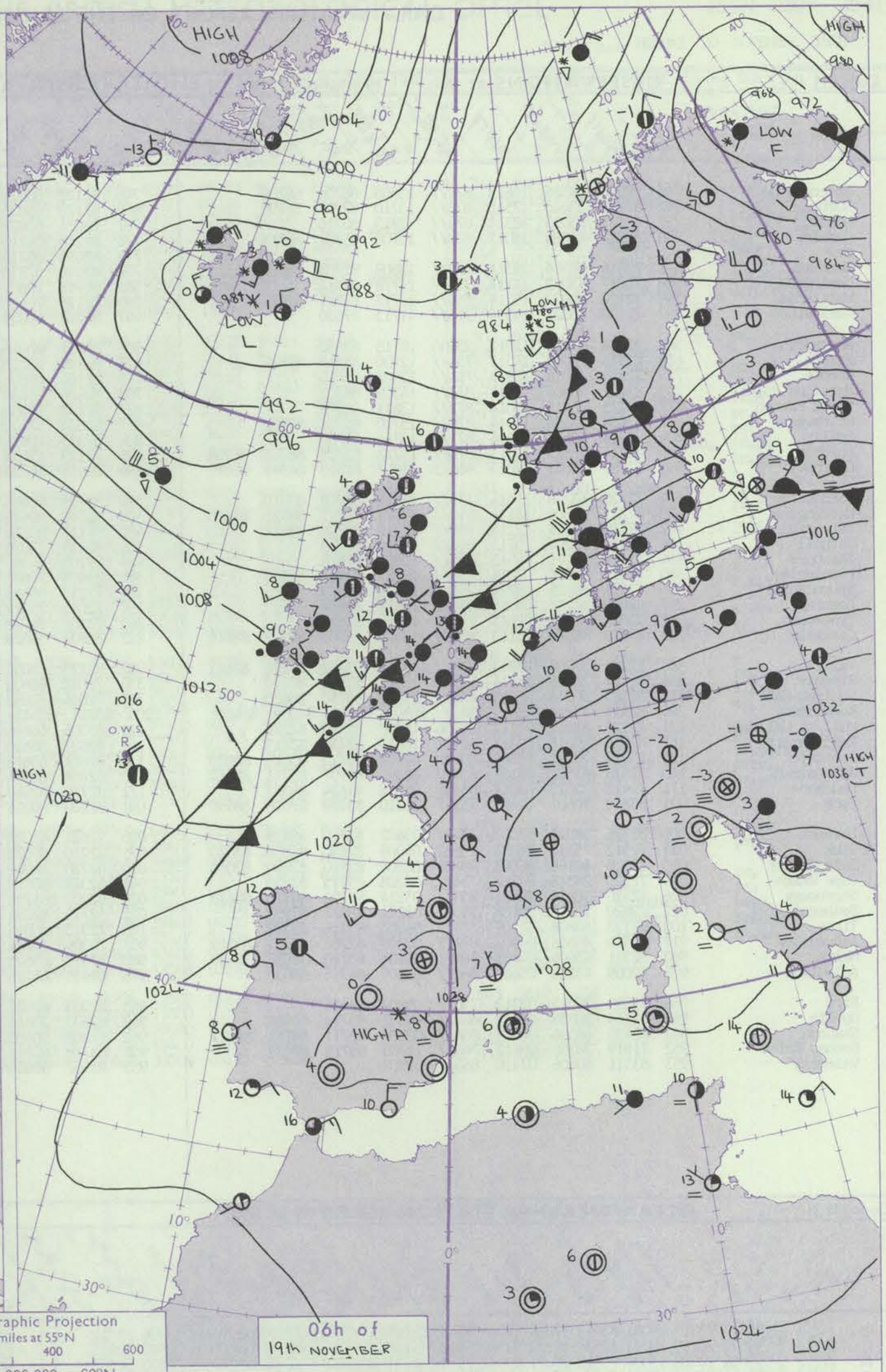
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	18181	63114	97278	17103	63400	00316	/////	/////	06051	10802	30707	29313
L	99572	70201	18184	72820	98158	96506	59433	00312	82910	83815	0//02	11134	30706	23907
M	99665	70008	18184	40409	98018	90700	49400	00217	81915	83620	0//54	10628	30302	36907
R	99464	70155	18184	72018	97011	13014	65502	00617	86626	84073	0//13	11547	30503	26906

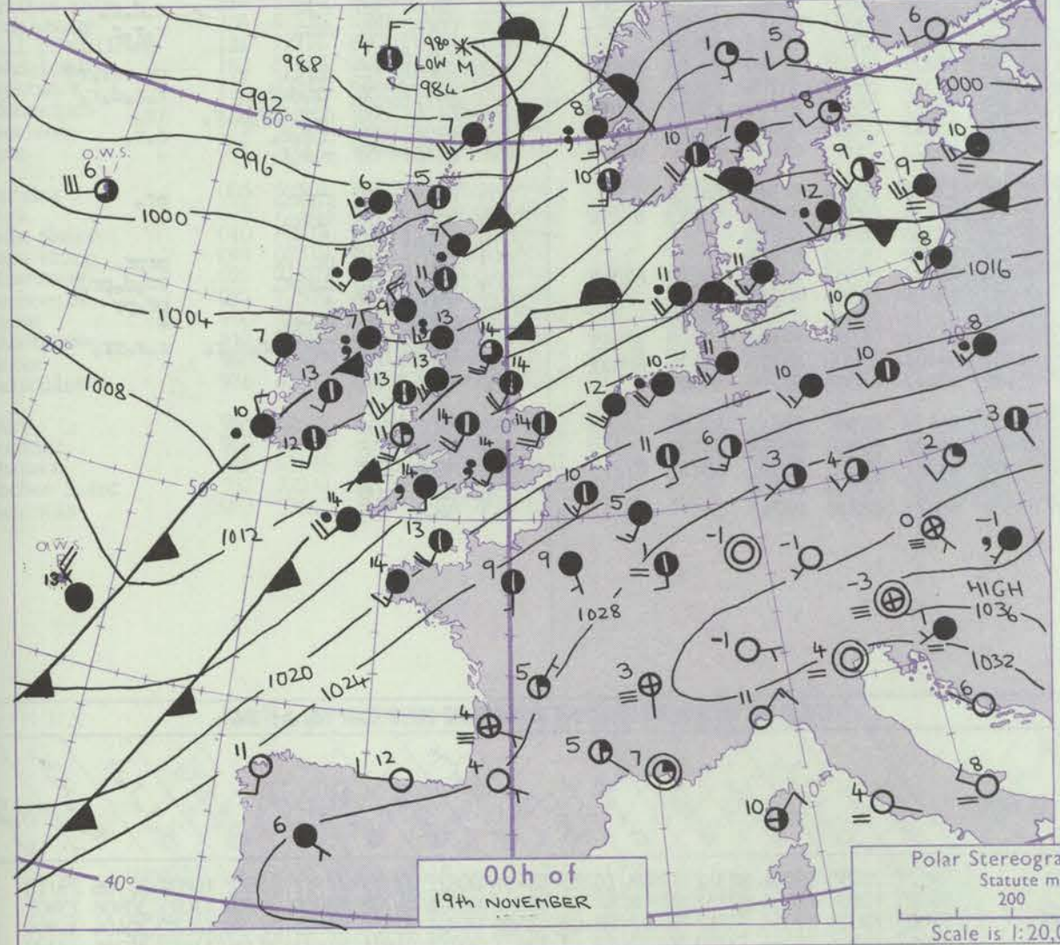
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 SUNDAY 19 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours pressure has remained low to the north of the British Isles and a trough of low pressure has moved slowly eastwards from the Atlantic across Scotland and Ireland.

During the next 24 hours the trough of low pressure over the British Isles will move east into the Continent, and a weak ridge of high pressure will develop temporarily ahead of the next Atlantic system.

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

Code FM 11.V — OBSERVATIONS at 00h. 19 November 1978

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	82220	58586	16613	872//	13505	86704	88706	
Hurn	862	82220	35616	17513	873//	13710	87707	88709	
Manston	797	82123	65025	18314	874//	12813	88710		
Gatwick	776	82217	45586	18013	873//	12708	85707	88711	
Kew									
Heathrow	772	82016	58586	16314	873//	13609	83708	88710	
Honington	586	72017	75022	14114	754//	11716	87614		
Wattisham	590	72120	80032	15214	754//	11717	85712	87618	
Gorleston	497	72120	66021	14514	756//	11715	87630		
Aberporth	502	32118	67206	11011	25630	10113	82630		
Filton	628	72315	75016	14515	754//	12500	84618	87628	
Rhoose	715	72211	75016	13914	754//	12002	87615		
Hartland Point	703	82622	56606	12414	872//	14309	88703		
Mount Batten	827	82125	25516	15614	872//	13811	88703		
St.Mawgan	817	82018	25506	14414	870//	13710	86701	88702	
Scilly	804	82318	40636	13414	871//	13714	88702		
Culdrose	809	82214	15625	14613	870//	13718	83701	86705	88708
Guernsey	894	72020	72031	19813	484/2	11807	81815	84619	85075
Elmdon	534	72122	65206	11414	773//	13613	82708	87710	
Cardington	559	82321	62606	14114	854//	13711	84712	86716	88620
Wittering	462	82119	80216	12214	853//	12712	86708	88611	
Watnall	354	82120	75206	09714	863//	12716	88709		
Shawbury	414	72119	75016	09516	754//	12505	87616		
Finningley	360	71918	75026	08014	754//	12721	83712	87620	
Spurn Point	396	72121	66026	09214	755//	12719	87625		
Leeming	257	82020	65216	05015	854//	13621	88614		
Tynemouth	262	72010	69022	02615	755//	13719	87625		
Carlisle	222	82613	40586	03113	852//	13514	83705	85709	88616
Valley	302	72226	57205	07913	751//	12313	83702	84706	87612
Ringway	334	82117	70516	08214	873//	13611	83708	87710	
Squires Gate	318	82323	60216	06713	854//	13506	86710	88620	
Ronaldsway	204	82413	75216	05312	2547/	10305	81618	84359	88464
Mull of Galloway	131	72525	84012	03112	38436	10703	81715	87275	
Eskdalemuir	162	42315	60016	02311	42401	10617	82710	83815	
Prestwick	135	83220	70022	02409	854//	07509	82710	85615	88625
Abbotsinch	140	82916	65582	02108	853//	06302	82707	83711	88617
Leuchars	171	72413	75022	00011	45532	08615	84624	86363	
Dyce	091	83212	70602	00407	7532/	06310	83709	87618	88459
Lerwick	005	82326	56026	93007	4742/	03602	83710	88459	
Wick	075	72512	75216	98505	25632	04309	82630	85359	87070
Sule Skerry	010	72928	60166	96008	49403	06206	82910	83820	87070
Cape Wrath	049	72320	74818	97307	734//	05208	83915	87620	
Stornoway	026	82410	50656	98906	853//	05214	82706	84710	88615
Benbecula	022	72820	70016	00008	5557/	03214	85627	87460	
Tiree	100	82113	60606	02107	3742/	06303	83714	88529	
Aldergrove	917	83510	40586	04907	871//	07309	82702	85703	88714
Malin	980	82311	65606	04607	6642/	06108	85710	84638	88459
Belmullet	976	82009	63216	05607	864//	06309	86715	88630	
Birr	965	72010	70015	05313	756//	09807	87636		
Dublin	969	82114	80036	05712	6647/	09002	86714	86460	
Shannon	962	83410	56586	06809	864//	08306	82711	84715	88623
Roches Point	952	71919	70258	08612	764//	11709	85715	87638	
Valentia	953	83311	60606	07410	863//	09301			

Code FM 11.V — OBSERVATIONS at 06h. 19 November 1978

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	82122	60026	13213	863//	12714	88707		
Hurn	862	82123	65026	14115	854//	12616	88614		
Manston	797	82021	60025	15913	863//	11808	88709		
Gatwick	776	82219	56215	15013	864//	11714	88712		
Kew	775	82014	60216	13514	874//	12713	84712	88714	
Heathrow	772	82018	57216	13214	864//	13816	83710	88712	
Honington	586	81918	70601	11713	853//	12812	87709	88614	
Wattisham	590	82118	70036	12913	863//	11814	82706	88708	
Gorleston	497	82018	66032	12114	864//	11709	88715		
Aberporth	502	72117	80016	07911	3563/	10612	83630	86360	
Filton	628	82118	70216	10714	863//	13617	86707	88711	
Rhoose	715	82114	68606	09814	854//	13717	81710	88614	
Hartland Point	703	82626	56636	08613	871//	13811	88702		
Mount Batten	827	82132	22586	11814	852//	13617	83705	87710	88618
St.Mawgan	817	82024	57635	10414	871//	13616	85702	88704	
Scilly	804	82315	40616	10614	872//	14508	88703		
Culdrose	809	82215	15636	11013	870//	13716	86701	88705	
Guernsey	894	82018	65022	16614	854//	11715	85618	87625	
Elmdon	534	82119	60615	08714	873//	13719	88707		
Cardington	559	82016	60616	11014	854//	13816	84712	85624	88638
Wittering	462	82118	80216	09313	873//	12819	83707	86708	88710
Watnall	354	82115	75026	07413	863//	12619	88709		
Shawbury	414	81705	66586	07013	853//	12721	82707	88610	
Finningley	360	81808	70606	06913	854//	12811	83615	88620	
Spurn Point	396	72112	66611	07913	764//	12803	87715		
Leeming	257	72016	75012	05112	756//	08811	87634		
Tynemouth	262	72306	81022	03313	7093/	09102	87358		
Carlisle	222	82804	58626	03908	853//	07308	81708	86712	88616
Valley	302	82123	65032	05512	854//	11612	81710	88628	
Ringway	334	72012	62606	06912	752//	11620	83704	84620	86630
Squires Gate	318	72014	82032	05611	25558	10615	81625	84359	86270
Ronaldsway	204	83211	62612	05209	6542/	07306	82711	85628	88459
Mull of Galloway	131	83306	66616	05507	4742/	07601	84710	88530	
Eskdalemuir	162	82602	58638	03706	3842/	05002	81818	83625	88460
Prestwick	135	82607	65616	04107	6531/	06504	81708	83616	85630
Abbotsinch	140	82404	68606	04307	7542/	05302	81711	83616	86640
Leuchars	171	72710	82016	02807	35612	03307	83630	84460	87070
Dyce	091	82203	80016	01506	3552/	05310	81625	83656	88460
Lerwick	005	72621	82028	95306	12408	50214	81814	86272	
Wick	075	72210	80022	99405	38438	02309	81818	83645	87272
Sule Skerry	010	42720	74011	97508	43500	06308	84920		
Cape Wrath	049	52319	80018	97907	53400	04209	85915		
Stornoway	026	62207	81256	99604	4843/	02807	81818	83640	85362
Benbecula	022	52713	82031	00007	58401	05000	84815	83630	
Tiree	100	72313	70016	01607	2257/	05001	82820	87465	
Aldergrove	917	72306	70216	05807	753//	06304	81706	85710	87645
Malin	980	82512	65606	04107	6642/	05000	85715	84635	88459
Belmullet	976	82415	65216	05108	854//	06501	82719	88645	
Birr	965	82203	62605	07107	864//	07501	87711	87628	
Dublin	969	82803	70616	06407	3642/	07103	83718	88450	
Shannon	962	82803	70605	07608	863//	08302	82707	85710	87715
Roches Point	952	83210	60616	07509	863//	08304	88708		
Valentia	953	82907	68606	08909	864//	08210	88715		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_E	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	04131	12	$d_or_od_or_oDRdr$	$drDRr_o-d_or$
Hurn	862	04131	13	$r_od_or_od_od_o$	$d_od_od_or_o$
Manston	797	97121	10	id_o	d_od_o
Gatwick	776	02131	12	$d_or_ordrdrd_od_o$	$ddrd_or_o$
Kew	775	92131	13	$r_orr_or_o$	$r_or_oir_o$
Heathrow	772	96131	12	$r_ord_or_od_or_o$	$r_orr_or_od_o$
Honington	586	97131	12	+	$r_oir_oid_o$
Wattisham	590	97121	12	r_o	+
Gorleston	497				
Aberporth	502	96101	10	d_od_o	ir_o
Filton	628	08131	13	r_or	$rrdrd_or_or_o$
Rhoose	715	10131	12	ir_orr_oR	r_oRirr_o
Hartland Point	703	16132	12		
Mount Batten	827	20131	13	dd_oRr_o	Rd_or_oDRdr
St.Mawgan	817	09131	13	$d_or_orr_o$	d_or_orr
Scilly	804	10132	12	rrr_or_o	r_or_o
Culdrose	809	31132	13	$id_od_od_oirrrdr$	$irRRdrd_od_o$
Guernsey	894	00130	12	+	+
Elmdon	534	03131	11	$r_od_or_od_o$	$d_or_odd_o-r_or_or$
Cardington	559	01131	12	ir_o	$ir_or_or_or$
Wittering	462	01131	12	$r_od_or_o$	$r_or_od_or_or$
Watnall	354	02131	10	d_or_o	$d_or_o-r_or$
Shawbury	414	02121	10	$ir_od_or_o$	$d_or_od_or_o$
Finningley	360	02131	09	r_o	$r_or_od_or_or$
Spurn Point	396			ir_o	$ir_or_or_o$
Leeming	257	97111	09	r_or_o	jp
Tynemouth	262	02072	07	+	rrr_or_o
Carlisle	222	10072	07	d_ord_ordr	$r_od_or_orr$
Valley	302	02092	09	id_o	d_or_orr
Ringway	334	93111	07	$r_od_od_or_o$	r_odr
Squires Gate	318	01091	09	r_oRr	$r_od_or_o$
Ronaldsway	204	03081	07	drr_o	r_or_or
Mull of Galloway	131	05071			
Eskdalemuir	162	03051	05	d_opr_o	$pr_or_or_or$
Prestwick	135	03071	06	$ir_odrd_or_o$	$r_or_od_or_o$
Abbotsinch	140	01061	05	$d_or_od_or_or_or_o$	ir_o
Leuchars	171	91061	05	$d_or_od_o$	d_or_o
Dyce	091	01051	03	r_or_or	+
Lerwick	005	02051	02	$rrpr_o$	pr_o
Wick	075	93031	00	$irir_o$	+
Sule Skerry	010	01061	05		
Cape Wrath	049	04051	04	pr	$prpr_o$
Stornoway	026	02022	02	d_oRpr_o	$pr_od_opr_o$
Benbecula	022	95051	02	+	pr_opr
Tiree	100	03061	05	r_orir	+
Aldergrove	917	05062	05	$r_oRrd_or_od_or_o$	$r_or_orr_o$
Malin	980	0706	04		
Belmullet	976	1106	05		
Birr	965	0507	06		
Dublin	969	0407	06		
Shannon	962	0608	07		
Roches Point	952	0209	08		
Valentia	953	0408	05		

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

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	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	19001	83013	97808	19904	834//	00309	/////	/////	05852	10810	3//06	29/11
L	99572	70199	19004	62530	98278	98506	49430	00005	83912	84362	0//04	11091	30907	29905
M	99664	70008	19004	70615	98021	89302	75500	00716	87625	/////	0//58	10622	30303	36905
R	99466	70159	19004	83224	97026	13912	855//	00313	88620	/////	0//10	11535	30705	22804

Code FM 21.V — OCEAN WEATHER STATION REPORTS at 06h.

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	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	19061	82312	97808	16205	834//	00822	/////	/////	05602	10802	3//06	29/10
L	99573	70198	19064	82732	97808	97704	833//	00306	84708	88910	0//04	11095	30908	23907
M	99663	70009	19064	70517	98022	88103	48530	00301	81820	83625	0//56	10630	30404	36904
R	99467	70163	19064	73320	97032	17012	784//	00217	81815	87633	0//06	11529	30705	/////

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. 42732

Date of Issue MONDAY 20 NOVEMBER 1978

Code FM 11.V OBSERVATIONS at 12h. 19 November 1978

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	82126	32586	10613	872//	13815	82704	86706	88708
Hurn	862	82122	50596	12414	854//	12714	85710	88615	
Manston	797	72122	68012	13913	784//	10813	81711	85813	
Gatwick	776	82222	45585	13012	854//	11812	88612		
Kew	775	82117	62606	11514	874//	11816	86710	88715	
Heathrow	772	82020	60616	11013	854//	13817	83712	88615	
Honington	586	71919	63016	09614	7647/	12716	86711	87360	
Wattisham	590	72020	35596	10913	753//	12716	82706	86710	87650
Gorleston	497	81927	58022	10214	864//	11714	88710		
Aberporth	502	82815	57636	09509	872//	09314	83705	88708	
Filton	628	82810	22596	09412	872//	12807	86704	88707	
Rhoose	715	82614	48656	09612	6702/	12[illegible]0	81701	86702	88520
Hartland Point	703	82910	66216	10012	5527/	12110	83705	85635	88360
Mount Batten	827	82514	35636	11913	6722/	13206	83703	86706	88556
St.Mawgan	817	82414	60216	11713	851//	12109	82702	85704	88618
Scilly	804	83118	74026	13611	884//	10321	82810	88625	
Culdrose	809	82512	45216	12613	852//	12111	82705	86709	88615
Guernsey	894	71921	65031	14614	754//	10817	86618		
Elmdon	534	82312	67615	07612	1732/	10706	81708	88550	
Cardington	559	72118	60606	09014	6543/	13817	85710	85615	87359
Wittering	462	72119	81216	07314	754//	13816	85711	87623	
Watnall	354	82310	57606	06212	3537/	12809	81709	83635	88460
Shawbury	414	82310	68606	06613	4542/	11610	81710	84622	88458
Finningley	360	82112	70606	05413	2557/	10804	82620	88462	
Spurn Point	396	82414	66216	06213	854//	11704	83715	88625	
Leeming	257	80902	60216	04908	852//	08001	81705	83615	88650
Tynemouth	262	82705	66606	05108	3557/	06002	83625	88358	
Carlisle	222	82404	62616	05408	7842/	07000	83710	86635	88460
Valley	302	82810	62616	08409	6532/	08009	82708	86612	88534
Ringway	334	83009	35636	07210	852//	09302	83704	87707	88616
Squires Gate	318	83110	62616	07009	853//	08208	85708	85620	88635
Ronaldsway	204	82714	82216	06909	884//	06104	81713	86820	88650
Mull of Galloway	131	72716	86016	06508	4852/	06003	82820	83630	87460
Eskdalemuir	162	82107	70025	04806	884//	05802	83712	84818	88635
Prestwick	135	72614	68806	04809	7847/	05002	82710	84816	87635
Abbotsinch	140	70000	62258	03907	6847/	06803	82710	84816	86648
Leuchars	171	72509	82026	03207	3547/	04804	81715	83630	87460
Dyce	091	70000	80032	01807	1567/	04806	81640	87360	
Lerwick	005	52507	84258	97705	49462	03001	83910		
Wick	075	72310	86031	00406	48432	02001	81818	83640	85359
Sule Skerry	010	82914	84808	98607	6346/	05002	86915	88358	
Cape Wrath	049	62319	82031	98407	3957/	04614	83920	86360	
Stornoway	026	71703	58258	99305	5946/	03808	83915	83360	87364
Benbecula	022	72514	80878	99907	6946/	04805	84912	84816	
Tiree	100	42210	64278	02005	39460	04803	81710	83916	
Aldergrove	917	72607	82212	07306	784//	04209	82710	86626	
Malin	980	72417	70806	04807	734//	06103	83714	87918	
Belmullet	976	42612	82038	08009	43503	02218	84821	82921	
Birr	965	62507	82016	10109	585/2	06214	84820		
Dublin	969	72514	80016	08609	22402	07212	82712	86070	
Shannon	962	42616	80806	11009	33432	03216	81715	83820	81920
Roches Point	952	72511	82036	12410	48402	06122	81818	83642	87073
Valentia	953	52813	80276	12909	53500	05018	85925		

OBSERVATIONS at 18h. 19 November 1978

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	82912	81616	14309	6572/	09230	86650	88459	
862	83109	70615	14710	853//	09228	82709	88636	
797	82218	58506	11713	873//	12502	88708		
776	82611	58636	12712	5732/	12313	82708	85713	88534
775	82609	60606	12512	854//	10226	83715	88656	
772	82513	68606	12012	2542/	11323	82618	88556	
586	82613	57616	10410	854//	09324	81616	87622	88650
590	82614	58616	10612	854//	11315	83710	88625	
497	82512	60602	09713	874//	11504	88712		
502	72721	63806	13909	6343/	03222	84915	84650	
628	72811	75026	14410	1147/	07231	81818	87362	
715	72911	81026	14409	1847/	06129	81818	87359	
703	73012	89026	15010	7857/	05223	84820	87630	
827	82910	80026	16511	4562/	07230	84645	88461	
817	72815	80026	16611	38472	05223	82814	84360	86075
804	63114	75026	18011	48401	04217	81818	84623	
809	72811	56055	17309	753//	05226	82708	87650	
894	83120	56586	15911	851//	11217	82702	83704	86706
534	72612	81016	11809	11472	07231	81816	85358	86362
559	82812	65216	11511	854//	08229	83712	84630	88656
462	82913	81216	11009	854//	07234	82616	88656	
354	72607	70026	10908	3572/	06333	83650	87462	
414	72508	80026	11808	15632	05229	81630	86362	
360	72408	70026	09509	756//	06129	87632		
396	52816	62036	08809	5557/	07230	85620	84360	
257	72409	82026	08307	18531	05320	81825	85362	86070
262	62708	80026	06408	3561/	04313	83630	86458	
222	62711	80016	07807	38432	04321	82818	84072	
302	52817	82026	12308	53400	04224	82917	84820	
334	82511	68028	10808	885//	06222	82822	88650	
318	72615	70256	09808	785//	05218	83822	86640	
204	52715	84018	10408	42608	02321	84830		
131	52725	82158	08907	59400	05213	82915	83820	
162	62713	75806	07503	694//	01323	82914	83818	
135	62820	65808	06606	4936/	03220	81708	82914	84626
140	52706	65258	05906	59403	03317	81916	83820	
171	22517	84018	03604	18502	01311	81820		
091	72407	82022	01205	755//	02305	81625	87650	
005	62009	65808	97504	6847/	02502	84815	83623	
075	72611	80252	99802	784//	01306	83818	86636	
010	73218	68808	98906	5946/	05310	85910	87358	
049	73213	82808	00005	3357/	03323	83920	87360	
026	22504	75028	01703	29400	01319	81915		
022	52107	65258	02005	59460	03008	85915		
100	32416	82258	04006	29460	04210	82916		
917	72618	65808	10505	734//	02326	82712	83915	85826
980	42224	80278	07606	43400	04314	84918		
976	42810	80808	11006	43503	03222	84920		
965	42309	81018	14205	43500	01223	84920		
969	12413	80021	12106	13500	03123	81925		
962	22611	80019	15306	29500	03225	82920		
952	12712	80018	16507	19400	04226	81918		
953	32813	81018	16807	33500	03122	83923		

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	09131	000	rRd$_o$r$_o$r$_o$r$_o$	rr$_o$r$_o$
862	02151	000	d$_o$r$_o$drr$_o$	r$_o$r$_o$drrR
797	03141	001	+	ir$_o$d$_o$r$_o$rrr$_o$r
776	03141	000	d$_o$–d$_o$r$_o$r	d$_o$r$_o$d$_o$r$_o$–r$_o$rR
775	02151	000	r$_o$R	Rrr$_o$
772	02151	000	drrr$_o$r$_o$ir$_o$	d$_o$r$_o$r$_o$r$_o$r
586	05141	000	id$_o$d$_o$r$_o$–r$_o$rd$_o$	d$_o$r$_o$rRr$_o$r$_o$
590	04141	000	drd$_o$r$_o$d$_o$d$_o$	d$_o$r$_o$rrr$_o$r$_o$
497		000		
502	07121	000	rr	pr$_o$
628	08141	000	r$_o$r[illegible]drR	+
715	08141	000	r$_o$ir$_o$rRrr$_o$	pr$_o$
703	08131	000		
827	06141	000	drRd$_o$r$_o$rr	ir$_o$R
817	04141	000	dr$_o$r$_o$r	pr$_o$
804	01131	000	ir$_o$	rpr$_o$
809	06132	000	d$_o$d$_o$d$_o$r$_o$rrid$_o$	id$_o$pr$_o$
894	02151	023	d$_o$r$_o$	ir$_o$d$_o$r$_o$drr$_o$r$_o$
534	06141	000	ir$_o$rRr$_o$r$_o$rr	r$_o$
559	04161	003	r$_o$rd$_o$drR	rr$_o$r$_o$
462	06151	000	rd$_o$r$_o$Rr	r$_o$r$_o$
354	06141	000	rrr$_o$Rr	r
414	03131	000	r$_o$r$_o$r	pr$_o$
360	02141	000	r$_o$r$_o$r	r$_o$
396			r$_o$r$_o$	r$_o$r$_o$ir$_o$
257	03121	000	r$_o$	+
262	01081	000	r$_o$r$_o$ir$_o$	+
222	01081	000	r$_o$–r$_o$r$_o$rir$_o$	ir$_o$
302	04101	000	rrr$_o$r$_o$	+
334	07121	000	r$_o$rr$_o$r$_o$	prpr$_o$
318	05101	000	d$_o$r$_o$drr$_o$rir$_o$	r$_o$pr$_o$
204	01091	000	rr$_o$	pr$_o$
131	94081			
162	03061	001	d$_o$–d$_o$r$_o$r	prpr$_o$
135	02091	008	pr$_o$	pr$_o$ph$_o$r$_o$pr$_o$
140	02081	007	pr$_o$pr	prpr$_o$
171	01071	007	+	pr$_o$pr
091	00071	003	+	+
005	02071	012	pr$_o$ph$_o$	pr$_o$pr
075	01071	015	+	pr$_o$pr
010	05111			
049	04072	011	ph$_o$r$_o$	pr$_o$
026	02061	020	pr$_o$	pr$_o$
022	07071	017	prpRphr	prpr$_o$
100	06081	011	pHRphr	prtl$_o$phr
917	02082	029	r$_o$pr$_o$pr	pr$_o$pR
980	0209	014		
976	0109	027		
965	9610	038		
969	9109	015		
962	0110	040		
952	9510	025		
953	0210	030		

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

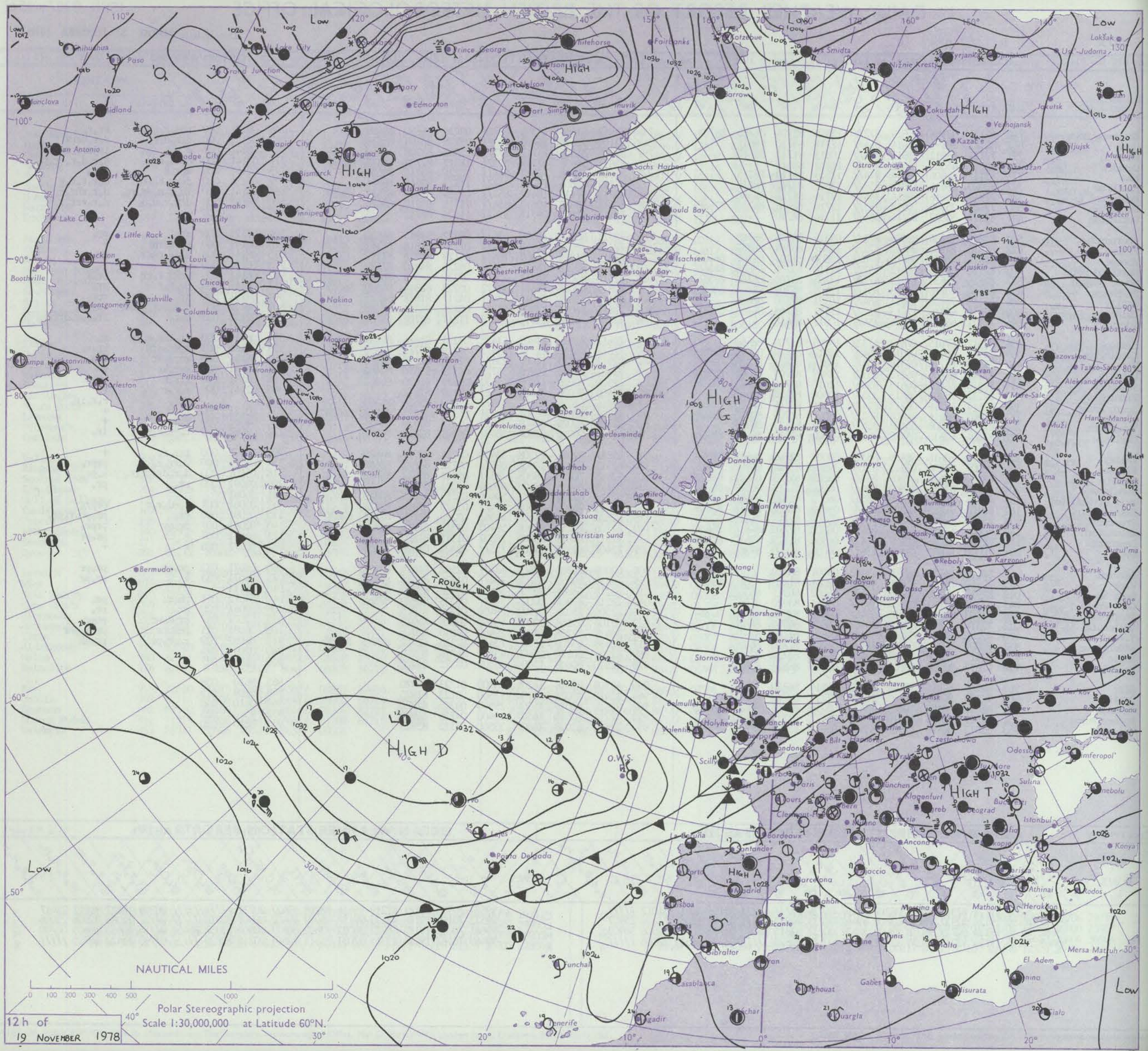
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	19121	82318	97618	06207	8742/	00739	/////	/////	05106	10817	31012	/////
	99572	70196	19124	52937	98158	03806	49462	00231	84912	/////	0//05	11062	31010	25907
	99662	70010	19124	60719	98028	93002	38431	00221	82815	86070	0//55	10622	30506	36903
	99469	70165	19124	43218	97038	23312	42501	00129	84820	/////	0//04	11512	30705	/////

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	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	19181	82219	95616	98209	8742/	00731	/////	/////	00208	10822	31212	23417
	99572	70194	19184	42623	98158	05907	49402	00801	82910	/////	0//01	11068	30908	23006
	99661	70012	19184	80822	98022	93602	80871	00500	83357	88458	0//54	10653	30605	00/00
	99469	70167	19184	23315	97031	25511	22501	00214	82820	/////	0//03	11422	30705	/////

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

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH
HIGH
HIGH
HIGH D
HIGH T
HIGH A
Low
TROUGH
Resolute Bay
Cambridge Bay
Coppermine
Sachs Harbour
Inuvik
Barrow
Fairbanks
Whitehorse
Prince George
Edmonton
Calgary
Regina
Winnipeg
Bismarck
Omaha
Chicago
Nakina
Moosonee
Churchill
Baker Lake
Chesterfield
Inlet
Arctic Bay
Nottingham Island
Port Harrison
Frobisher Bay
Cape Dyer
Resolution
Fort Chimo
Goose
Toronto
Ottawa
Pittsburgh
Washington
New York
Boston
Norfolk
Charleston
Jacksonville
Tampa
Bermuda
Sable Island
Gander
Cape Race
Stephenville
Yarmouth
Caribou
Antigonish
Fredericton
Thule
Godthaab
Egedesminde
Jakobshavn
Angmagssalik
Tasiilaq
Prins Christian Sund
Danmarkshavn
Daneborg
Kap Tobin
Jan Mayen
Barencsburg
Bodo
Stornoway
Lerwick
Shetland
Aberdeen
Glasgow
Belmullet
Belfast
Valentia
Holyhead
Manchester
Scilly
London
Paris
Brussels
Hamburg
Berlin
Hannover
Bremen
Kiel
Copenhagen
Oslo
Stockholm
Helsinki
Lahti
Turku
Tallinn
Riga
Vilnius
Minsk
Warsaw
Gdynia
Danzig
Lodz
Poznan
Wroclaw
Prague
Czestochowa
Munich
Klagenfurt
Graz
Zagreb
Belgrade
Sofia
Bucharest
Constanta
Odessa
Simferopol'
Sulina
Istanbul
Konya
Athinai
Rodos
Heraklion
Mathon
Messina
Palermo
Catania
Malta
Tripoli
Misurata
Mersa Matruh
El Adem
Sfax
Tunis
Bizerte
Algiers
Bougie
Bordeaux
Nantes
Clermont-Ferrand
Bern
Genova
Ancona
Pescara
Ajaccio
Barcelona
Santander
La Coruña
Oporto
Lisboa
Madrid
Gibraltar
Alicante
Casablanca
Agadir
Tenerife
Funchal
Lajes
Ponta Delgada
Gabes
Ghadames
Ghat
Tamanrasset
Colomb-Bechar
Ouargla
Biskra
Gafsa
Tozeur
Nefta
Touggourt
Laghouat
Timimoun
Adrar
Reggane
In Salah
In Amenas
Ghadames
Sebha
Kufra
Murzuk
Faya
Largeau
Fort Lamy
Abeche
Nouakchott
Dakar
Bathurst
Conakry
Freetown
Monrovia
Abidjan
Accra
Lagos
Port Harcourt
Douala
Libreville
Port Gentil
Brazzaville
Pointe Noire
Luanda
Lobito
Benguela
Mossamedes
Sarmesa
Windhoek
Walvis Bay
Keetmanshoop
Upington
Kimberley
Bloemfontein
Port Elizabeth
East London
Durban
Pietermaritzburg
Johannesburg
Pretoria
Salisbury
Bulawayo
Francistown
Gaborone
Mafeking
Lusaka
Ndola
Kitwe
Mbala
Dar es Salaam
Mombasa
Nairobi
Kisumu
Entebbe
Kampala
Juba
Khartoum
Port Sudan
Wadi Halfa
Aswan
Luxor
Cairo
Alexandria
Tobruk
Benghazi
Derna
Mersa Matruh
Asmara
Addis Ababa
Dire Dawa
Mogadishu
Kismayu
Lamu
Tanga
Moshi
Arusha
Mwanza
Bukoba
Kigali
Bujumbura
Kisangani
Bangui
Yaounde
Enugu
Kano
Maiduguri
Sokoto
Niamey
Bamako
Timbuktu
Gao
Tessalit
Agades
Zinder
Nguigmi
Bilma
Faya
Largeau
Fort Lamy
Abeche
Nouakchott
Dakar
Bathurst
Conakry
Freetown
Monrovia
Abidjan
Accra
Lagos
Port Harcourt
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Libreville
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Port Elizabeth
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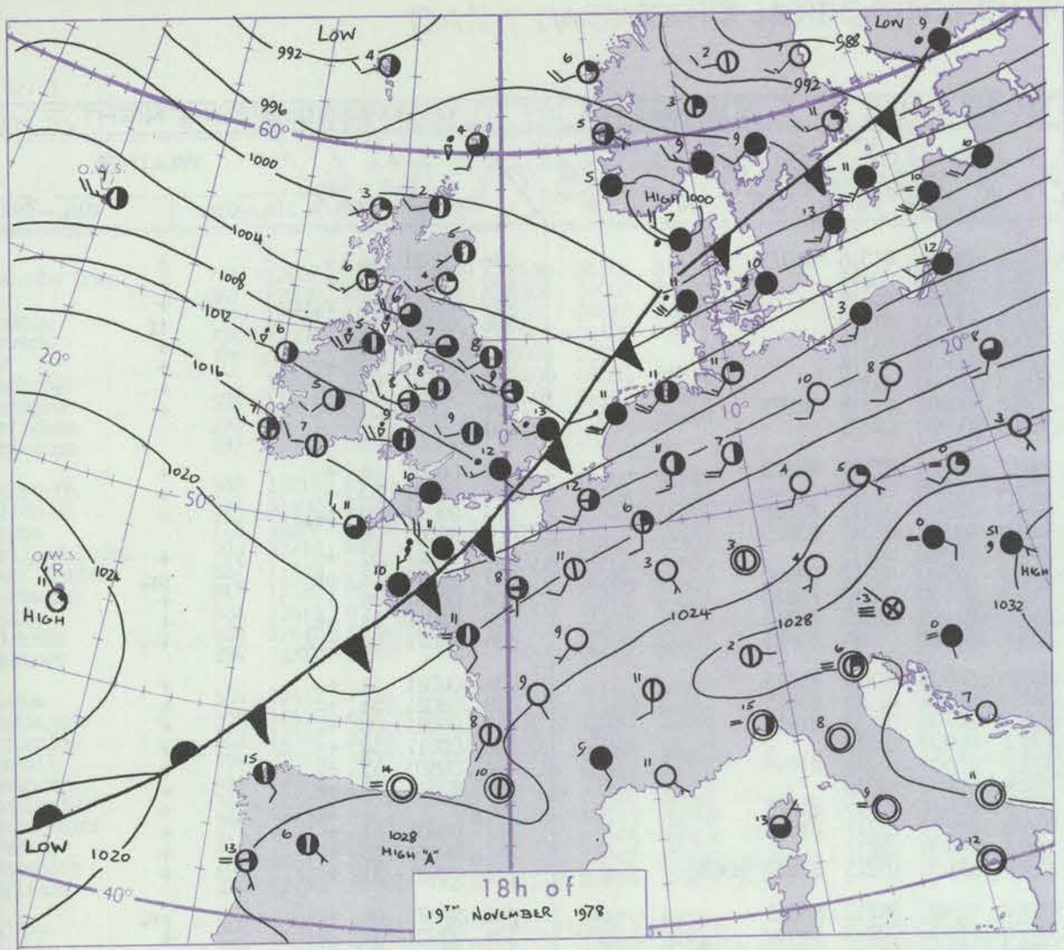
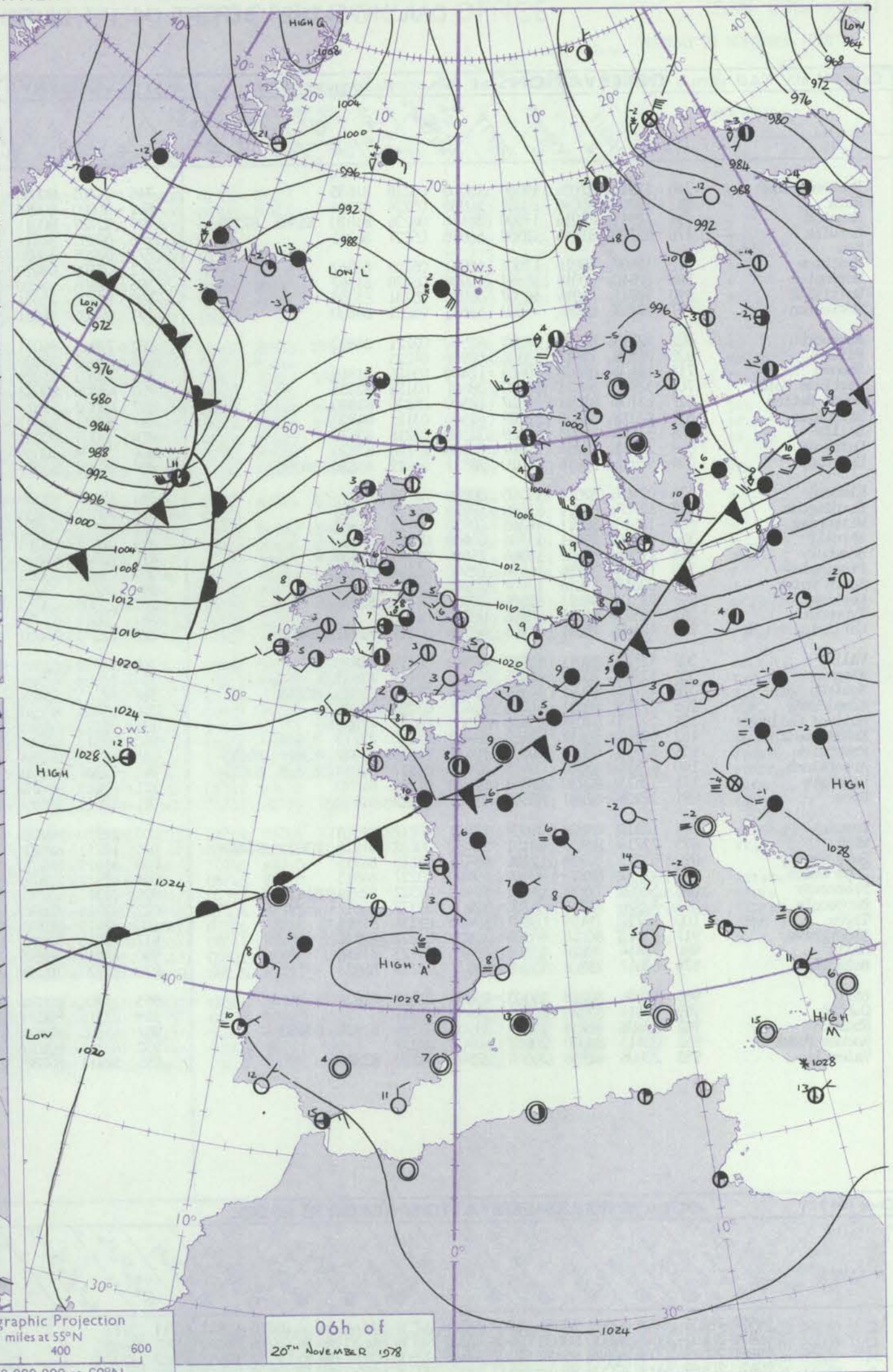
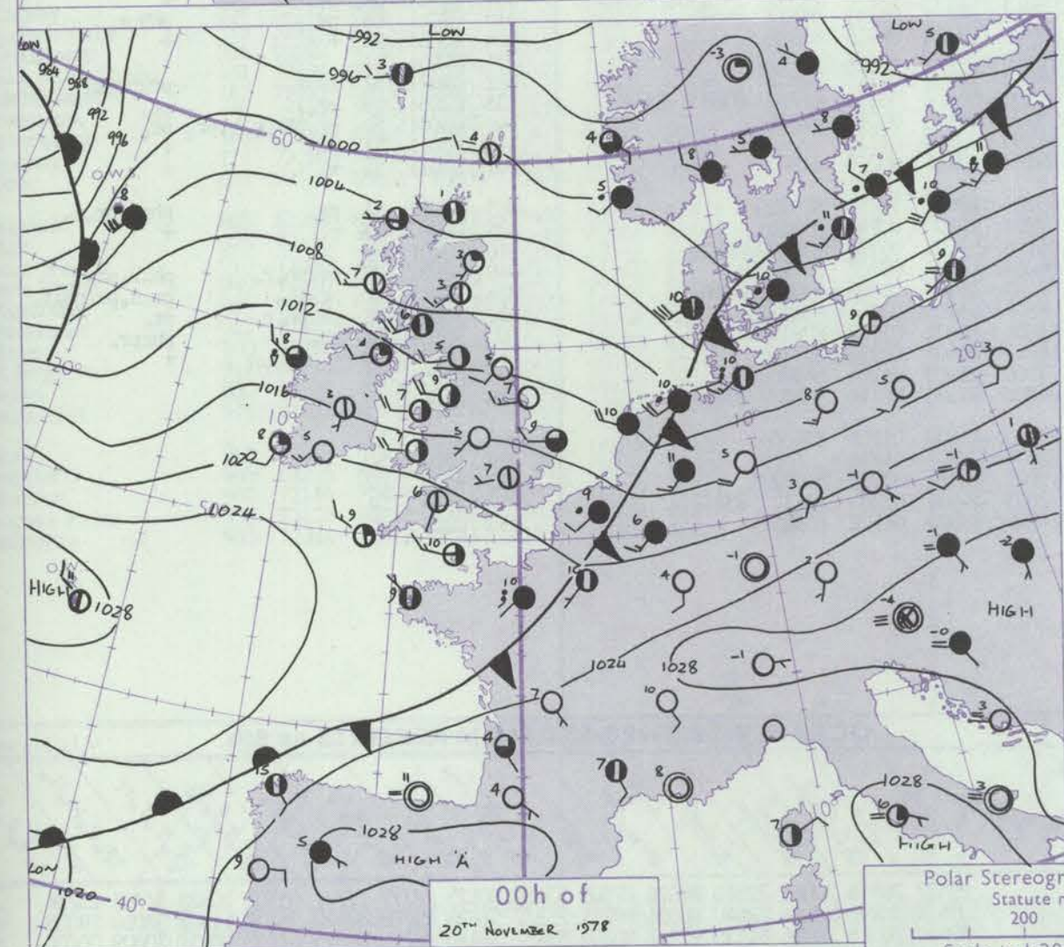
Kitwe
Mbala
Dar es Salaam
Mombasa
Nairobi
Kisumu
Entebbe
Kampala
Juba
Khartoum
Port Sudan
Wadi Halfa
Aswan
Luxor
Cairo
Alexandria
Tobruk
Benghazi
Derna
Mersa Matruh
Asmara
Addis Ababa
Dire Dawa
Mogadishu
Kismayu
Lamu
Tanga
Moshi
Arusha
Mwanza
Bukoba
Kigali
Bujumbura
Kisangani
Bangui
Yaounde
Enugu
Kano
Maiduguri
Sokoto
Niamey
Bamako
Timbuktu
Gao
Tessalit
Agades
Zinder
Nguigmi
Bilma
Ostrov Kotel'nyj
Ostrov Zohova
Ostrov Kotel'nyj
Cokurdah
Nižnie Krestach
Tyrjanka
Verhojansk
Kazačje
Jakutsk
Ljujsk
Olenek
Lokšak
Ust'-Judoma
Aldan
Tommot
Mirnyj
Aldan
Ust'-Nera
Zyrjanka
Srednekolymsk
Ostrov Kotel'nyj
Ostrov Zohova







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

Issued at midday MONDAY 20 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours a centre of low pressure near Faeroes has moved to Norway and filled whilst another centre has moved slowly east from Iceland. Meanwhile a cold front has crossed England and Wales from the northwest.

During the next 24 hours an Atlantic low is expected to move rather quickly to the east of Iceland while an associated warm front crosses the whole country, followed by a cold front over Scotland and Northern Ireland.

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

Code FM 11.V **OBSERVATIONS at 00h.** 20 November 1978

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	12911	82026	19006	15600	05218	81635		
Hurn	862	22706	80016	20007	20930	05224	82364		
Manston	797	72911	75016	17809	38478	06236	81810	85362	87272
Gatwick	776	62706	81016	18508	60970	05227	86362		
Kew									
Heathrow	772	12607	75016	17807	10931	06229	81362		
Honington	586	12610	60016	16507	10930	06228	81362		
Wattisham	590	52811	75016	16707	50930	05231	85359		
Gorleston	497	62709	66016	15509	656//	05231	86630		
Aberporth	502	42718	84038	18807	42500	02221	84820		
Filton	628	02708	75011	19306	00900	04225			
Rhoose	715	13106	82028	19605	12400	03126	81818		
Hartland Point	703	32910	89021	19809	28601	03123	82835		
Mount Batten	827	13106	82031	20807	18500	05220	81820		
St.Mawgan	817	42915	80038	21009	42500	03121	84820		
Scilly	804	33113	84028	22309	32500	03218	83820		
Culdrose	809	22911	70258	21907	21500	03120	82820		
Guernsey	894	52915	83016	21010	28532	04219	81820	84360	
Elmdon	534	02407	82011	17305	00900	02121			
Cardington	559	12709	80021	17406	10970	04128	81360		
Wittering	462	12610	80021	16305	10930	03122	81362		
Watnall	354	02510	70021	15304	00900	02114			
Shawbury	414	11504	80028	16804	15600	02316	81635		
Finningley	360	12713	72256	14906	12500	03224	81826		
Spurn Point	396	02617	65016	13907	00900	04223			
Leeming	257	22518	84021	12506	00902	01120	82070		
Tynemouth	262	02522	81021	10206	00900	01216			
Carlisle	222	42608	75031	12105	48500	03219	82822	84630	
Valley	302	42720	82011	16707	42500	02219	84820		
Ringway	334	12305	70018	15805	15600	03119	81645		
Squires Gate	318	42720	82021	14809	48500	03120	82825	83645	
Ronaldsway	204	22715	82031	14706	22401	03223	82818		
Mull of Galloway	131	22724	84021	13606	21500	03227	82825		
Eskdalemuir	162	62207	70257	11403	59403	01124	83713	83918	
Prestwick	135	72521	68258	10506	794//	04219	81912	83819	86645
Abbotsinch	140	62514	65808	09405	694//	02317	81914	83818	85645
Leuchars	171	12415	82250	07803	12500	01222	81820		
Dyce	091	22206	82031	05803	15731	01222	81650		
Lerwick	005	12810	84028	00004	13401	00217	81915		
Wick	075	72710	80158	04101	33432	00222	81916	83650	87070
Sule Skerry	010	63215	82818	02206	634//	05218	86915		
Cape Wrath	049	42712	82878	03404	49400	03227	84915		
Stornoway	026	52704	70258	04902	59460	02322	82914	85624	
Benbecula	022	32926	81258	06706	32400	03337	83817		
Tiree	100	12717	75159	08807	19400	02334	81915		
Aldergrove	917	22512	80018	14504	22400	02227	82710		
Malin	980	72814	70808	11607	734//	04123	87918		
Belmullet	976	63017	75808	15308	635//	02219	86923		
Birr	965	11906	80018	19303	15600	01119	81634		
Dublin	969	02414	80020	16704	00900	01215			
Shannon	962	32608	82258	19007	33500	03216	81920	83650	
Roches Point	952	02413	80020	20605	00900	02219			
Valentia	953	22008	81258	20508	22500	04219	82825		

OBSERVATIONS at 06h. 20 November 1978

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	11705	80030	23201	00901	01316	81075		
862	00000	80010	23201	00900	00215			
797	02707	80011	21705	00900	04218			
776	02203	80111	22701	00900	01319			
775	02205	75020	22004	00900	03217			
772	02106	68020	21903	00900	03218			
586	02508	65020	20503	00900	02320			
590	12509	75031	20902	00901	01218	81075		
497	02806	66021	19905	00900	02221			
502	72815	84031	21107	785//	02211	86822		
628	02603	75020	22304	00900	03313			
715	23203	81038	22104	28500	01212	81820		
703	42808	89038	22209	42500	02212	83825		
827	03502	75010	23503	00900	02213			
817	32811	82021	23709	32500	02212	83820		
804	33009	80021	24209	32500	03210	83820		
809	22909	80030	24305	21400	02313	82815		
894	33009	85021	23608	32501	03214	83825		
534	12307	82020	20803	00901	01214	81075		
559	32412	70030	20803	00901	02213	83075		
462	12712	80030	19803	15700	02215	81656		
354	02607	75010	19402	00900	01111			
414	12405	81010	20302	15600	01214	81645		
360	02407	70020	17704	00900	02213			
396	12715	70020	17206	00901	03115	81075		
257	22306	82030	16905	18530	02217	81825		
262	02614	81020	14606	00900	02217			
222	32203	75030	15404	38500	03215	81822	83630	
302	52612	82251	19507	52500	04212	85822		
334	11908	82028	19603	15600	02215	81630		
318	62715	70808	17908	685//	04211	84827	84645	
204	12714	82020	17506	12500	04315	81820		
131	02723	84010	16106	00900	03211			
162	22310	81018	14603	25600	01113	82635		
135	62713	70258	14206	684//	03220	81710	83815	86642
140	12207	83028	13004	18400	02215	81818		
171	02413	86020	11503	00900	01220			
091	22611	82010	09703	10931	00219	81362		
005	22710	80278	03704	29400	50215	82912		
075	12712	82021	07201	19400	00214	81916		
010	61619	80278	05106	59403	05108	83910	85820	
049	42712	70878	06005	49500	03207	84920		
026	52311	75278	07403	39460	01105	83913	83362	
022	42418	81018	08507	48400	03001	83818		
100	22415	80278	11006	22401	01202	82818		
917	12310	82020	16903	16400	02210	81710		
980	42219	80258	13506	43500	04204	84920		
976	32220	70258	14908	33500	05710	83827	81927	
965	11906	80030	19503	15600	01105	81636		
969	02515	80020	18704	00900	01210			
962	62108	80808	19905	635//	03001	84922		
952	42211	80030	22005	14402	03205	81712	83073	
953	52411	80038	20908	53500	04102	85925		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.—03h.	WEATHER 03h.—09h.
746	00011	54	+	+
862	00511	53	+	+
797	91041	01	r_or_o	+
776	97511	53	+	if
775	00021	54	+	+
772	00021	53	+	+
586	97031	00	+	+
590	00011	51	+	+
497				
502	00061	04	+	+
628	00031	53	+	+
715	93011	52	pr_o	+
703	02081	04		
827	00021	52	+	+
817	97071	04	pr_o	pr_o
804	00081	04	+	+
809	92040	51	pr_o	+
894	97071	01	r_or_o	+
534	00021	51	+	+
559	00021	51	+	+
462	00021	00	+	+
354	00011	54	+	+
414	00503	55	+	+
360	97011	52	pr_o	+
396			ir_o	+
257	00031	01	+	+
262	00051	53	+	+
222	00031	51	+	+
302	97071	04	+	pr_o
334	92021	51	pr_o	+
318	02061	04	pr_o	$pHRpr_o$
204	00061	03	+	+
131	00051			
162	04021	51	$rspr_o$	$prspr_os_o$
135	02051	03	pr_o	pr_o
140	03031	50	$pr_ophrph_or_opr_o$	pr_o
171	97011	51	pr_o	+
091	00011	52	+	+
005	05012	51	pr_o	$phph_opr_os_o$
075	00003	53	+	+
010	03031	02		
049	02032	02	$pr_oph_or_o$	$ph_or_opr_o$
026	01011	52	pr_oph_o	$pr_os_opr_oph_or_o$
022	95051	02	$pr_oph_or_o$	pr_o
100	95051	02	pr_o	$phrpr_o$
917	00021	00	+	+
980	0105	02		
976	9106	03		
965	9202	51		
969	9703	50		
962	9505	02		
952	9704	01		
953	0206	02		

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

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	20001	62917	97036	01907	65500	00237	/////	/////	05205	10822	3//11	23/17
	99571	70192	20004	82030	98608	02408	4552/	51736	84620	88458	0//06	11080	30907	24909
	99661	70015	20004	80928	95852	92302	894//	00507	85915	88630	0//53	10652	30607	/////
	99470	70169	20004	13209	98018	28511	18500	00006	81820	/////	0//03	11463	30000	32805

OCEAN WEATHER STATION REPORTS at 06h.

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	20061	72910	98028	07505	53450	00125	/////	/////	05502	10828	3//05	23/16
	99571	70196	20064	72440	98026	89211	753//	51626	83708	87620	0//07	11085	31010	19008
	99661	70015	20064	81130	95847	90602	894//	31610	86710	88915	0//02	10657	30809	00/00
	99471	70171	20064	52313	98031	27712	58500	00803	83825	83640	0//06	11462	30401	32905

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. 42733

Date of Issue TUESDAY 21 NOVEMBER 1978

OBSERVATIONS at 12h. 20 November 1978

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	12407	82020	25609	18430	05106	81818		
Hurn	862	12606	81020	25910	11500	04007	81820		
Manston	797	12706	81020	25209	12501	04010	81820		
Gatwick	776	12408	82024	25809	00901	04106	81075		
Kew	775	02407	70020	25109	00900	03105			
Heathrow	772	12409	70030	24909	11400	05005	81812		
Honington	586	12411	80030	23708	11402	02107	81815		
Wattisham	590	12613	80030	24008	11502	03005	81820		
Gorleston	497	02610	66020	23408	00900	03207			
Aberporth	502	22215	85021	23310	28500	03002	81820		
Filton	628	52407	81151	25209	58500	05006	82820	84635	
Rhoose	715	32607	83258	24909	39400	05007	81918		
Hartland Point	703	32718	89010	24710	32500	03107	83825		
Mount Batten	827	12810	80020	26311	18500	05007	81825		
St.Mawgan	817	12512	86018	25911	14500	04005	81822		
Scilly	804	22613	80031	26812	22500	06006	82820		
Culdrose	809	22610	75020	27011	21500	03110	82820		
Guernsey	894	22612	85010	26611	28500	04007	82825		
Elmdon	534	12412	75020	23408	10932	03004	81360		
Cardington	559	12410	68020	24108	11401	04008	81815		
Wittering	462	12512	82020	23208	00901	04107	81075		
Watnall	354	32410	58050	22408	11532	03007	81820		
Shawbury	414	12008	83020	22409	12502	04002	81820		
Finningley	360	32012	70020	20909	11502	03007	81825	83075	
Spurn Point	396	32614	72030	21308	30950	04114	83360		
Leeming	257	52110	82031	19508	32542	03105	83823	83070	
Tynemouth	262	42517	81020	17508	11631	01802	81830	83359	
Carlisle	222	62312	81021	17208	38542	04806	83825	84075	
Valley	302	32325	82031	20810	22554	05803	82823		
Ringway	334	22312	80020	21908	11531	03005	81820		
Squires Gate	318	32218	82258	20209	22502	05002	82825		
Ronaldsway	204	62222	81021	18109	58542	04811	84822	83650	
Mull of Galloway	131	72434	82031	16509	48511	05813	81820	84625	86460
Eskdalemuir	162	72012	80038	16405	725//	04804	87820		
Prestwick	135	72117	75038	14608	38475	03810	81710	83818	87075
Abbotsinch	140	72314	81028	13708	32472	04711	83818	87075	
Leuchars	171	72206	70031	13706	65432	03802	86615		
Dyce	091	72109	89031	10805	70972	02810	87462		
Lerwick	005	62219	80038	04506	39432	01804	81913	86075	
Wick	075	72116	86021	07305	18472	02814	81818	85362	87070
Sule Skerry	010	71630	74258	04208	33476	07716	83910	85360	87270
Cape Wrath	049	72320	82258	03406	3347/	06825	83915	87360	
Stornoway	026	82026	65628	02108	6532/	06845	81709	86624	88556
Benbecula	022	81931	60636	02108	6542/	07748	84710	85620	88459
Tiree	100	81932	60628	07008	6542/	07732	81710	86615	88540
Aldergrove	917	81914	70601	16005	3542/	03716	81712	83625	88460
Malin	980	82028	70608	10207	2642/	05730	82712	88459	
Belmullet	976	82032	60615	10210	864//	09832	86714	87638	
Birr	965	72013	81031	18709	556/2	05811	85638	85070	
Dublin	969	62216	84031	18108	35632	02818	83638	85360	86070
Shannon	962	72114	75808	18710	4847/	06713	81717	83645	86460
Roches Point	952	22123	80258	21811	18470	06808	81818		
Valentia	953	72314	75022	20212	6253/	07708	86825	83360	

OBSERVATIONS at 18h. 20 November 1978

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	12008	82020	25903	15600	02302	81635		
	862	12203	75020	26307	18500	04306	81825		
	797	02106	81010	25904	00900	02208			
	776	02202	81010	26403	00900	02210			
	775	12105	75020	25307	15600	03307	81630		
	772	02005	70010	25108	00900	05107			
	586	12007	80020	23905	10970	02004	81362		
	590	12109	75010	24405	00901	02005	81075		
	497	02208	66020	23806	00900	04205			
	502	72118	75021	21409	784//	06707	81818	87657	
	628	32209	80258	24608	38400	05301	82816		
	715	72315	81808	24109	785//	06301	82822	87636	
	703	72828	82251	23711	726//	06502	87830		
	827	52616	82028	26211	58400	06304	82818	83635	
	817	52009	80038	26009	58400	06304	82815	85630	
	804	52514	82258	26511	58570	07303	84820		
	809	42513	75038	26611	48400	05304	83818		
	894	72715	75808	27909	785//	05311	85820	84630	
	534	61810	65031	22307	25632	04807	82635	83362	
	559	02210	70010	23906	00900	04104			
	462	32210	82030	22605	10931	03802	81362	83075	
	354	62113	66031	20906	15731	03807	81650	84360	
	414	52008	75018	20509	48502	04709	83827	83640	
	360	61810	68031	19208	20942	04712	82362	86075	
	396	42115	66011	20307	15671	04707	81630	83360	
	257	81712	70032	16308	6542/	04720	83618	85627	88459
	262	22012	81021	13409	20930	04723	82358		
	222	82215	58638	12308	6542/	07829	83712	85625	88550
	302	82133	62616	17411	5542/	09718	81715	85632	88550
	334	82216	75601	19708	4552/	04712	84628	88458	
	318	82224	62636	17310	5542/	07718	82615	85630	88459
	204	82226	61216	13511	854//	07727	81715	85624	88628
	131	72445	60016	09510	3842/	08840	81715	87458	
	162	81918	30656	10707	874//	06826	88710		
	135	82228	62606	07910	853//	07631	81708	83714	86618
	140	82325	50636	06509	7532/	09637	81708	83711	87616
	171	82123	65616	06007	855//	05741	88620		
	091	82025	75606	03207	6542/	04742	82714	85618	88459
	005	81827	56608	97106	7722/	06749	85704	87707	88515
	075	72132	80022	97507	5547/	03749	82618	85642	87360
	010	82332	66656	93810	874//	10748	88710		
	049	82320	70636	93909	874//	08745	88710		
	026	72519	64808	96909	784//	07317	84817	85625	
	022	42626	80016	00310	39460	07334	81915		
	100	62519	62036	03710	684//	07326	82816	86650	
	917	82323	65216	10309	853//	08514	82709	85712	88616
	980	72525	82216	07511	734//	09321	85916	83640	
	976	32317	60106	11411	36400	09226	82717		
	965	82115	60606	15810	7632/	08504	84708	87714	88458
	969	72322	70218	14210	4557/	06616	81625	83645	87460
	962	82319	58615	16611	873//	10201	83708	88713	
	952	72120	65588	20511	774//	09503	86711	87717	
	953	82323	65216	18712	864//	11102	83715	88719	

OBSERVATIONS during DAY

Station	iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
	746	00101	075	+	+
	862	00111	072	+	+
	797	00101	080	+	+
	776	00101	076	+	+
	775	00101	075	+	+
	772	00111	077	+	+
	586	00091	077	+	+
	590	00091	076	+	+
	497		076		
	502	97101	061	+	r_o
	628	95101	056	pr_o	pr_opr
	715	01111	043	pr_opr	pr_o
	703	97110	059		
	827	97121	061	+	pr_o
	817	95121	064	pr	pr_o
	804	92121	076	+	pr
	809	97111	071	pr_o	+
	894	97110	061	pr_o	pr_o
	534	00091	076	+	+
	559	00091	077	+	+
	462	00091	077	+	+
	354	00091	070	+	+
	414	97101	053	pr_o	pr_o
	360	00091	060	+	+
	396			+	+
	257	97091	036	+	pr_o
	262	00101	048	+	+
	222	05111	034	pr_or_o	$r_or_orrRrd_or_o$
	302	02121	044	ir_o	$ir_or_or_o$
	334	96091	061	+	r_or
	318	01111	044	pr_o	$r_or_orir_o$
	204	01121	024	ir_o	r_or_o
	131	02111			
	162	17092	023	pr_or	$rrRr_o$
	135	05111	017	r_odrrr	$rrdrr_o$
	140	12111	022	$pr_or_or_o$	$rrdrr_o$
	171	93081	014	r_o	r_or_o
	091	97081	008	r_o	r_o
	005	06082	022	ph_o	rrr_or_orr
	075	97081	005	+	ir_o
	010	09102			
	049	05092	002	$pr_or_or_o$	rrr_or_o
	026	09101	000	$ir_orr_or_orr$	$rrpr_o$
	022	08111	000	$pr_or_or_orrd_or_o$	$rrpr_o$
	100	08111	000	pr_orr	rrpR
	917	01101	009	$r_o-r_or_o$	r_o
	980	0811	001		
	976	0512	000		
	965	0111	013		
	969	9211	022		
	962	0112	008		
	952	9712	039		
	953	9313	004		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

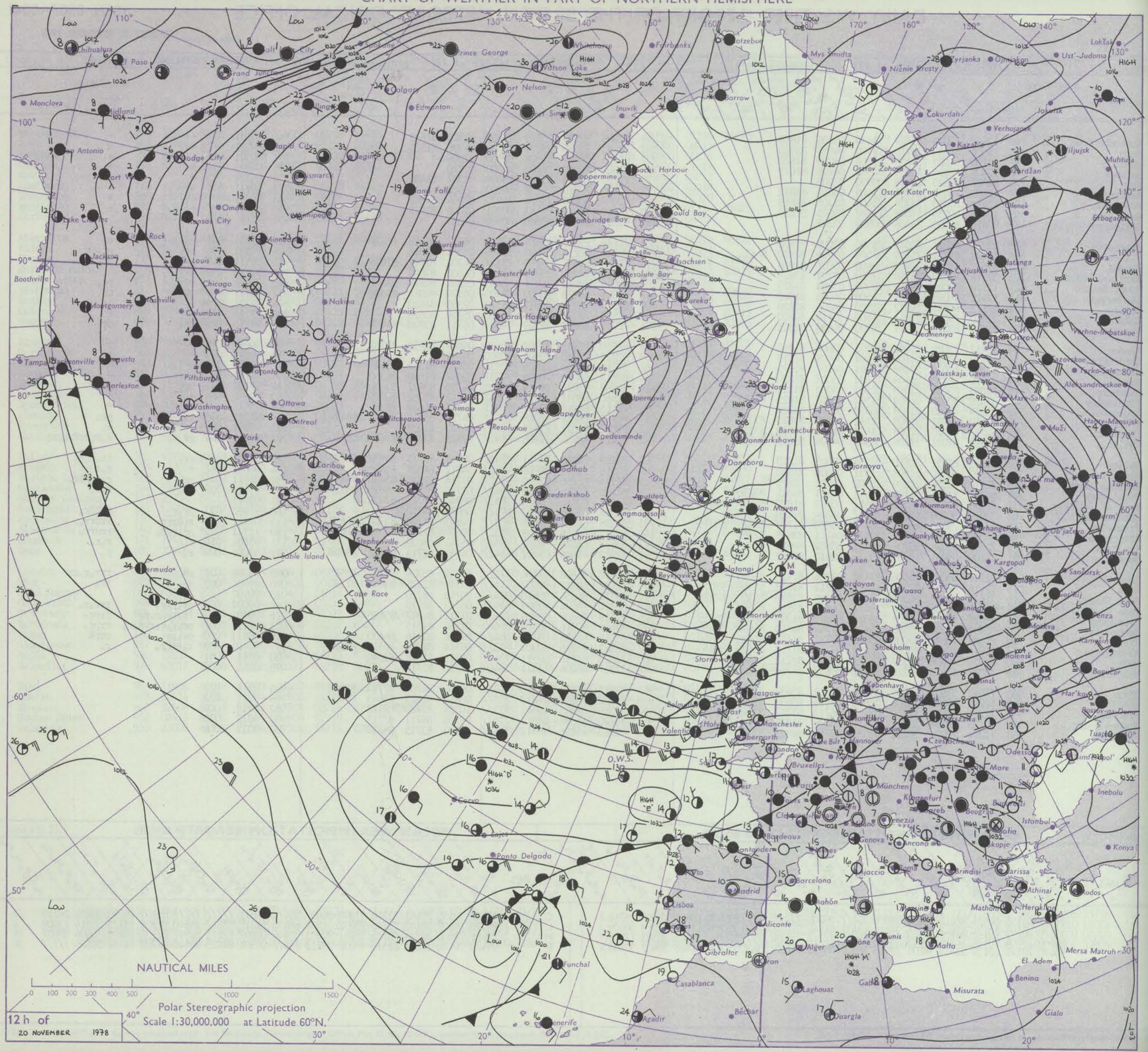
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_ssapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	20121	82612	97258	08906	834//	00308	/////	/////	05402	10823	30504	26312
L	99570	70199	20124	62647	98016	96410	63431	61242	81912	86635	0//05	11113	31013	30009
M	99660	70004	20124	32316	98028	93304	39400	21214	82915	/////	0//52	10665	30303	11808
R	99470	70170	20124	52418	98031	29913	38502	00112	81825	83630	0//08	11460	30402	32905

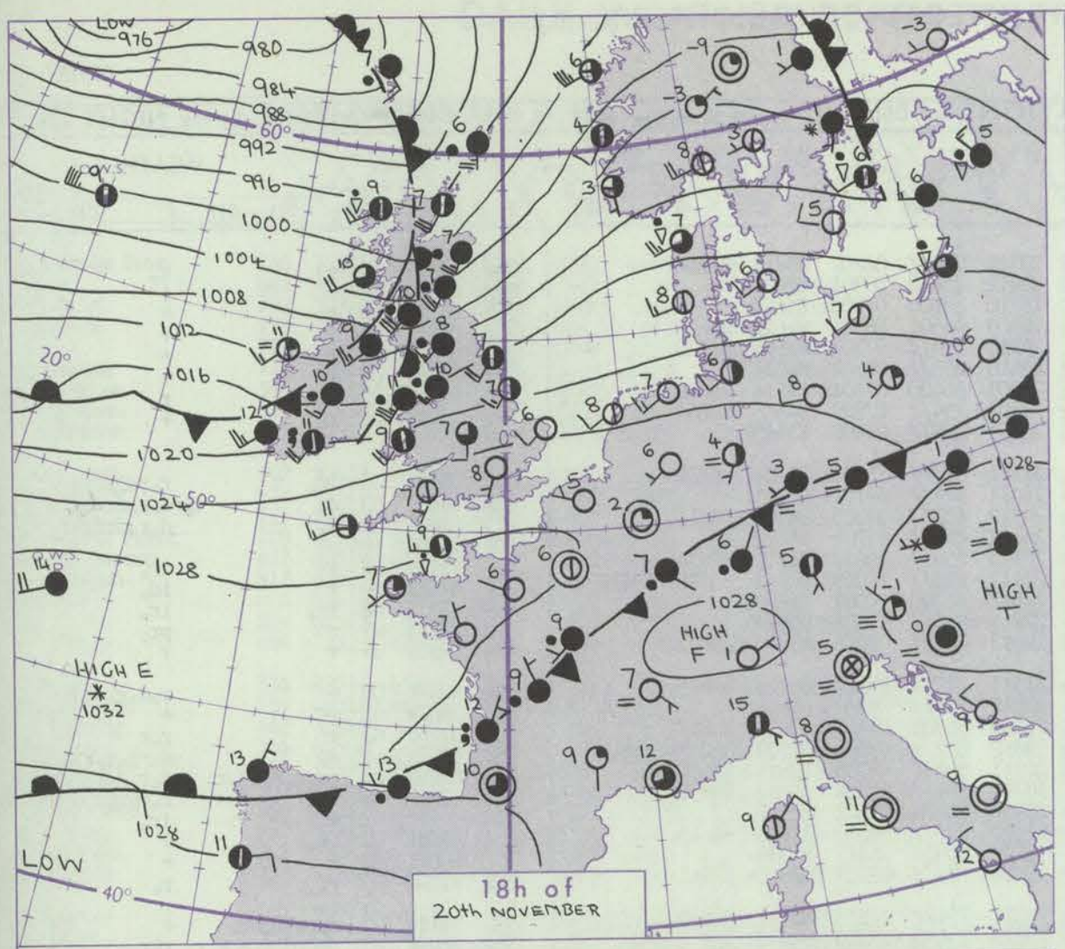
OCEAN WEATHER STATION REPORTS at 18h.

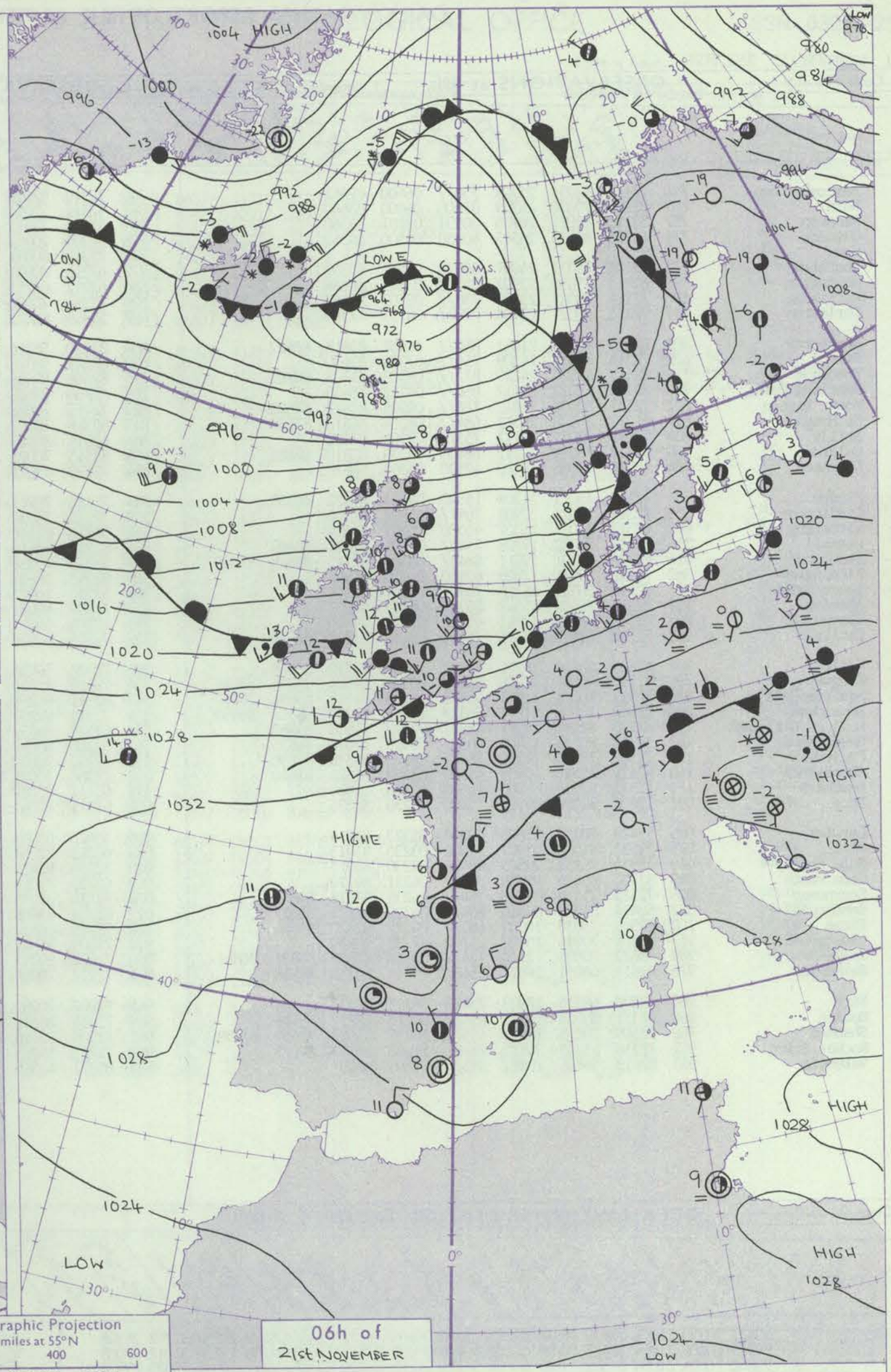
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_ssapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	20181	82510	97808	06607	834//	00611	/////	/////	05103	10793	30403	26210
L	99570	70203	20183	72745	98032	01509	68435	61317	85817	83640	0//02	11123	31014	23009
M	99661	70005	20184	42115	98261	92303	39440	00807	82815	82917	0//52	10698	30404	09807
R	99470	70170	20184	82518	98032	29213	885//	00501	81825	88640	0//08	11467	30504	/////

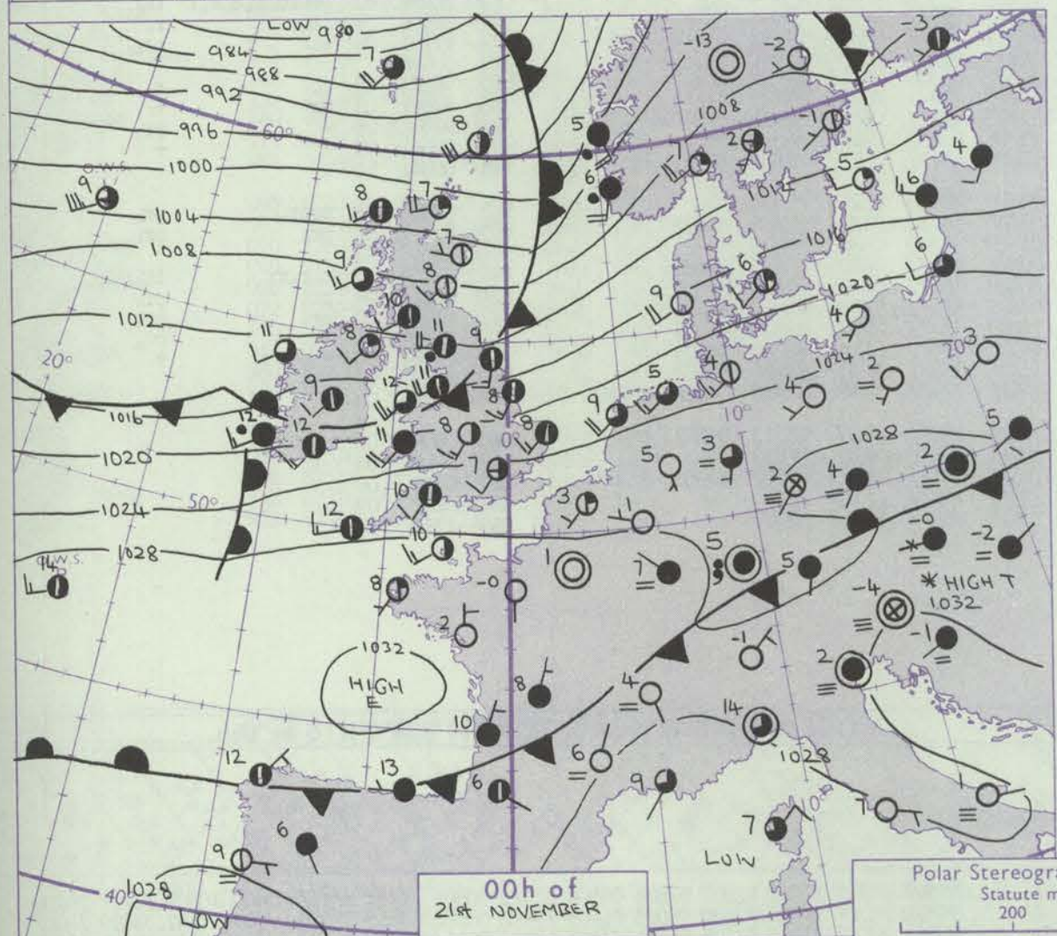
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Low
HIGH
Chihuahua
El Paso
Midland
Monclova
Brand Junction
Spokane
Calgary
Edmonton
Prince George
Whitehorse
Watson Lake
Fort Nelson
Fairbanks
Inuvik
Barrow
Kotzebue
Mys Šmidta
Niznie Vresty
Čokurdah
Verhojansk
Ostrov Zohova
Ostrov Kotel'nyi
Tiksi
Jakutsk
Ust'-Judoma
Lokčak
Tyrjanka
Ojmjakon
Muhtuja
Olenek
Tiksi
Bathurst Inlet
Coppermine
Cambridge Bay
Gould Bay
Isachsen
Resolute Bay
Arctic Bay
Eureka
Alert
Nord
Danmarkshavn
Barencburg
Danmarkshavn
Danmarkshavn
Danmarkshavn







Issued at midday TUESDAY 21 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours, pressure has remained high from the Azores to Central Europe. A depression south of Iceland moved northeast with the associated fronts moving east across Scotland, Northern Ireland and northern districts of England.

During the next 24 hours, an anticyclone is expected to be centred over south France, and the depression near Iceland to continue moving steadily north east. Frontal troughs will continue to affect most northern and central areas of the British Isles.

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

Code FM 11.V

OBSERVATIONS at 00h. 21 November 1978

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	72111	82031	25708	756//	06400	87642		
Hurn	862	32205	70030	26309	35600	06400	83640		
Manston	797	52110	82021	26105	30931	03101	83360		
Gatwick	776	42702	80030	26505	40950	04500	84362		
Kew									
Heathrow	772	52108	75031	24907	50930	05501	85359		
Honington	586	82113	75031	22907	857//	03805	88656		
Wattisham	590	72216	70021	23607	758//	03707	87657		
Gorleston	497	72215	66021	22408	7097/	04711	87360		
Aberporth	502	82220	60216	21311	854//	10302	85618	88622	
Filton	628	72314	80038	24309	756//	07303	87630		
Rhoose	715	82517	42508	24110	872//	09303	81703	88705	
Hartland Point	703	82728	72022	23612	856//	09302	88630		
Mount Batten	827	72517	80032	26812	784//	09305	82817	87632	
St.Mawgan	817	62212	80028	26511	684//	08204	84813	83630	
Scilly	804	72617	82031	27112	755//	09305	87620		
Culdrose	809	62518	75031	27211	68400	09306	82810	86625	
Guernsey	894	42514	85038	28810	42500	05304	84820		
Elmdon	534	42113	75011	21308	15530	06503	81622	83359	
Cardington	559	72318	70021	22908	7097/	05502	87360		
Wittering	462	42317	81031	21007	45500	05503	84624		
Watnall	354	82112	70022	19708	7542/	06601	87618	88460	
Shawbury	414	62215	68801	19811	6843/	08302	82712	83818	85645
Finningley	360	62216	70031	17909	60950	06500	86362		
Spurn Point	396	72116	66031	18708	7097/	06301	87360		
Leeming	257	82513	75028	15512	855//	08315	88622		
Tynemouth	262	42518	81021	12811	45600	07320	84630		
Carlisle	222	72720	63606	13211	754//	08119	81712	87636	
Valley	302	62325	58216	18212	654//	11109	85710	85614	
Ringway	334	82212	40586	18709	852//	09302	81704	85708	88618
Squires Gate	318	72519	70016	16611	55432	10203	81618	85656	86070
Ronaldsway	204	72517	70036	15911	783//	10213	83709	83817	86650
Mull of Galloway	131	62520	82031	14911	4563/	09223	84630	86360	
Eskdalemuir	162	52313	80216	12408	48402	06323	82818	84635	
Prestwick	135	72508	70026	12510	784//	06127	81818	87650	
Abbotsinch	140	42622	75026	10709	45500	03222	81620	83640	
Leuchars	171	12312	82016	08908	11500	04335	81820		
Dyce	091	12805	82026	06707	15600	04236	81635		
Lerwick	005	42428	80258	95808	49400	05323	84914		
Wick	075	22621	81038	02507	23400	03235	81915		
Sule Skerry	010	42934	76258	99509	43400	08230	84915		
Cape Wrath	049	82730	65636	99709	874//	06221	88710		
Stornoway	026	72513	75258	04108	784//	04235	83818	86645	
Benbecula	022	62424	81038	06510	684//	06226	82818	86627	
Tiree	100	62516	75038	10009	685//	04125	82820	85640	
Aldergrove	917	22308	70016	15008	25700	07223	82650		
Malin	980	72622	80038	12710	784//	05119	82818	84631	86641
Belmullet	976	62411	64051	14811	6543/	06214	82718	85638	
Birr	965	72208	66016	17909	756//	08313	87632		
Dublin	969	62311	80016	17111	654//	09212	83712	85645	
Shannon	962	72509	80216	18511	6557/	10218	83625	85650	87459
Roches Point	952	72216	65205	20812	26401	11206	82710	87072	
Valentia	953	82413	56646	19812	863//	11105	88707		

OBSERVATIONS at 06h. 21 November 1978

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	72312	82036	25710	754//	08202	85715	85656	
Hurn	862	32511	75011	26211	25630	09301	82636		
Manston	797	52214	75012	25710	55600	07500	85645		
Gatwick	776	52209	70011	26109	45501	08301	81622	84634	
Kew	775	72312	80031	24910	754//	07303	81615	87620	
Heathrow	772	62212	80031	24610	655//	09104	86624		
Honington	586	62212	68211	22709	65400	07400	83714	85650	
Wattisham	590	72314	70036	23709	754//	07202	84615	86650	
Gorleston	497	52316	66022	22109	5097/	05400	85360		
Aberporth	502	82320	58216	21711	872//	11205	83704	88707	
Filton	628	82411	58586	24411	874//	09102	88711		
Rhoose	715	82516	59586	24312	852//	11305	84704	88611	
Hartland Point	703	82730	68606	24012	855//	11206	88620		
Mount Batten	827	72415	70026	27113	754//	10206	81713	87624	
St.Mawgan	817	82316	70502	27112	853//	10209	82708	85710	88620
Scilly	804	42614	80025	27612	45500	10302	84620		
Culdrose	809	82515	70022	27812	855//	11308	88620		
Guernsey	894	72518	85021	29112	784//	08206	85814	86632	
Elmdon	534	72114	70211	21511	753//	09304	81706	87619	
Cardington	559	72315	70031	22810	754//	08302	87614		
Wittering	462	52216	81216	21209	55500	08101	82628	85642	
Watnall	354	82211	57616	19810	852//	09500	82704	86708	88612
Shawbury	414	52310	75038	20211	55431	09305	81615	85650	
Finningley	360	82010	50616	18710	854//	09304	84612	88630	
Spurn Point	396	22314	16021	18810	20970	09302	82360		
Leeming	257	71907	80031	17510	755//	07313	82620	86645	
Tynemouth	262	12506	69011	15709	10930	06212	81359		
Carlisle	222	72505	67026	15910	784//	08209	81818	87647	
Valley	302	72420	70036	19512	754//	11213	82711	87640	
Ringway	334	22606	65216	19810	25600	09310	82640		
Squires Gate	318	82611	65216	18711	854//	10211	85618	88646	
Ronaldsway	204	72516	80252	17511	784//	08210	81712	83816	87645
Mull of Galloway	131	62418	86031	16410	656//	08206	86640		
Eskdalemuir	162	52108	80016	15307	58400	05111	81818	85635	
Prestwick	135	72413	70022	14610	784//	06215	81818	87645	
Abbotsinch	140	72308	70021	13509	785//	06211	83822	87640	
Leuchars	171	42417	82030	11708	45600	03113	84640		
Dyce	091	61911	80011	10406	4573/	03217	84650	85362	
Lerwick	005	32425	65018	99108	38400	03210	82815		
Wick	075	62015	82031	05908	58432	03214	82818	84635	
Sule Skerry	010	32735	82258	01509	32500	08807	83820		
Cape Wrath	049	62729	75016	02309	684//	06808	83815	86620	
Stornoway	026	72420	75258	05208	784//	05701	82818	87650	
Benbecula	022	82324	73808	07809	884//	07104	84816	88631	
Tiree	100	72419	66802	11009	784//	05103	83818	87656	
Aldergrove	917	72009	65021	16107	753//	07307	82706	86638	
Malin	980	72218	80258	13110	785//	06302	83820	87638	
Belmullet	976	72217	70028	15311	7843/	08307	83718	84820	86640
Birr	965	82307	70032	18611	864//	09304	85712	86632	
Dublin	969	72313	80032	18011	756//	09205	87635		
Shannon	962	82509	30516	19111	871//	11303	82702	84704	87707
Roches Point	952	72221	56208	21012	762//	12205	87704		
Valentia	953	82317	40516	20513	863//	13205	88706		

OBSERVATIONS during NIGHT

Station	iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	97041	50	+	r_o
Hurn	862	00041	50	+	+
Manston	797	00031	00	+	+
Gatwick	776	00021	53	+	+
Kew	775	00071	50	+	+
Heathrow	772	00061	04	+	+
Honington	586	97061	02	+	r_o
Wattisham	590	97041	01	r_o	+
Gorleston	497				
Aberporth	502	03101	07	ir_o	$r_ord_or_or$
Filton	628	01091	05	d_o	$r_ord_or_drd_or_o$
Rhoose	715	02091	06	d_o	$d_or_drd_o-r_o$
Hartland Point	703	91101	10		
Mount Batten	827	97111	08	+	ir_o
St.Mawgan	817	97081	06	+	id_o
Scilly	804	97111	08	id_o	ir_o
Culdrose	809	97111	09	+	pr_o
Guernsey	894	00100	04	+	+
Elmdon	534	92071	05	+	$r_od_or_odrd_o$
Cardington	559	00071	02	+	+
Wittering	462	01061	03	+	r_or
Watnall	354	01071	01	d_o	$d_o-r_or_or$
Shawbury	414	03091	06	$pr_or_or_rd_or_o$	$d_or_od_or_or_or_or$
Finningley	360	02071	05	ir_o	r_orRr_o
Spurn Point	396			+	ir_o
Leeming	257	97081	02	pr_o	+
Tynemouth	262	00071	03	+	+
Carlisle	222	91091	05	r_o	r_o
Valley	302	01111	09	$r_or_oir_odr_o$	+
Ringway	334	08071	05	$drdrd_or_od_or_or$	rRr
Squires Gate	318	92101	08	ir_o	r_o
Ronaldsway	204	97101	08	+	pr_o
Mull of Galloway	131	00091			
Eskdalemuir	162	95071	03	r_o	r_o
Prestwick	135	97091	08	ir	+
Abbotsinch	140	97081	06	+	pr_o
Leuchars	171	00061	03	+	+
Dyce	091	00041	51	+	+
Lerwick	005	02052	04	$prpr_o$	pr_o
Wick	075	91051	02	pr_o	pr_o
Sule Skerry	010	03052	03		
Cape Wrath	049	03052	05	r_or_orr	ir_opr_o
Stornoway	026	03071	04	pr_o	pr_o
Benbecula	022	01081	06	pr_o	pr_o
Tiree	100	91091	07	+	pr_o
Aldergrove	917	00061	04	+	+
Malin	980	9109	06		
Belmullet	976	9710	08		
Birr	965	0609	07		
Dublin	969	0409	06		
Shannon	962	0710	08		
Roches Point	952	0211	09		
Valentia	953	1311	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	21001	22609	98018	07305	25500	00106	/////	/////	05501	10796	3//02	26/08
L	99569	70206	21004	52437	98038	02108	58400	00802	83816	83630	0//06	11138	31012	29005
M	99662	70004	21004	81522	97601	85405	5852/	00746	82820	85625	0//02	10690	30505	09804
R	99470	70168	21004	72617	97032	30214	55602	00204	85630	85073	0//09	11460	30504	/////

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	82507	97808	06504	834//	00602	/////	/////	05600	10809	3//01	26/08
L	99570	70204	21064	72430	98038	01409	784//	00502	83815	87630	0//07	11142	31010	22007
M	99663	70007	21064	82226	96616	72105	6732/	00647	86708	88530	0//05	10625	30403	11804
R	99470	70170	21064	72317	97038	29914	785//	00603	81820	87630	0//10	11463	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, Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42734

Date of Issue WEDNESDAY 22 NOVEMBER 1978

OBSERVATIONS at 12h. 21 November 1978

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	72315	83026	27213	754//	10005	87615		
Hurn	862	72316	70031	28414	7543/	11008	84715	86645	
Manston	797	52316	72011	26614	38430	11803	81813	83358	
Gatwick	776	72313	75022	27813	754//	10003	85616	86620	
Kew	775	72312	78606	26613	6547/	10002	86618	87460	
Heathrow	772	72311	75212	26413	5543/	11104	85617	87360	
Honington	586	62115	70216	24012	58402	10802	83811	83070	
Wattisham	590	72418	70216	24712	65432	09001	86612		
Gorleston	497	52315	66031	23513	55500	09000	85625		
Aberporth	502	82423	40586	24012	872//	12110	86704	88706	
Filton	628	82517	64215	26213	852//	12106	83705	86708	88615
Rhoose	715	82519	40616	25913	870//	12108	81701	83702	86703
Hartland Point	703	82730	30605	25912	872//	12009	88703		
Mount Batten	827	82518	65022	29013	854//	11006	81715	84620	88630
St.Mawgan	817	82319	50506	28913	872//	11111	84703	88705	
Scilly	804	82616	58606	30113	874//	11110	88712		
Culdrose	809	82515	57038	29813	884//	11108	82710	88630	
Guernsey	894	72521	82022	31213	58432	10004	85812	83360	
Elmdon	534	82214	65206	23413	853//	11110	82708	84712	88616
Cardington	559	82318	66606	24713	854//	11104	83712	84620	88635
Wittering	462	72316	58606	23012	6533/	11502	81706	84709	86630
Watnall	354	82507	16635	22411	7702/	11008	84701	85704	88456
Shawbury	414	72515	75026	22014	754//	12105	83710	85612	
Finningley	360	22111	65036	20713	18402	10001	81818		
Spurn Point	396	22212	61016	21112	10971	10002	81360		
Leeming	257	72312	80031	18712	655/2	07001	82620	85640	85075
Tynemouth	262	72310	69031	17211	6563/	04001	86630		
Carlisle	222	52514	68016	17012	58401	09000	81714	85650	
Valley	302	72213	61502	21413	7527/	13007	82704	87616	
Ringway	334	72109	68021	21612	754//	10007	81710	86628	87640
Squires Gate	318	42414	80031	20613	28431	11007	81818		
Ronaldsway	204	72415	80038	19512	654/2	09109	81714	86650	
Mull of Galloway	131	72520	80022	17911	3557/	08206	83625	87460	
Eskdalemuir	162	72215	68011	15809	754//	07005	85712	87635	
Prestwick	135	72418	68252	15210	784/1	08004	81712	86645	
Abbotsinch	140	72419	65258	14110	6843/	07302	83817	85635	
Leuchars	171	62317	70028	12610	685//	05302	82820	85645	
Dyce	091	51916	82031	10009	48502	06808	81826	83640	
Lerwick	005	62333	60808	00308	694//	05801	83910	84815	
Wick	075	52216	82038	06409	38432	03804	81816	83632	
Sule Skerry	010	72638	64158	02209	4343/	08301	84915	87360	
Cape Wrath	049	72525	70808	03909	734//	09503	83915	87620	
Stornoway	026	62520	65808	06009	58431	05202	84816		
Benbecula	022	72525	65258	08410	6843/	09304	81710	83815	85635
Tiree	100	72217	62028	11911	784//	08001	82816	87645	
Aldergrove	917	32213	70011	17510	15630	08001	81630	83359	
Malin	980	52220	70256	14412	11532	09801	81820	84360	
Belmullet	976	82223	57505	15713	863//	12804	86706	87712	
Birr	965	82312	58506	20513	863//	12005	88708		
Dublin	969	82310	50515	19912	862//	11002	84705	86709	87715
Shannon	962	82518	58515	21613	862//	12112	82705	84709	88715
Roches Point	952	82318	65506	24213	863//	12213	88708		
Valentia	953	82418	65026	23614	863//	12113	86708	88635	

OBSERVATIONS at 18h. 21 November 1978

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	82411	66025	28612	863//	11311	86707	88711	
Hurn	862	82513	64016	29613	853//	12212	82709	85711	88614
Manston	797	72314	68026	27913	5547/	11312	81711	85620	87358
Gatwick	776	82314	66216	28813	854//	11211	84711	88616	
Kew	775	72313	70026	27814	754//	11313	84713	87617	
Heathrow	772	82209	75026	27614	864//	12313	88712		
Honington	586	82316	70032	25113	854//	11210	84612	88622	
Wattisham	590	82314	65022	25812	854//	11212	86610	88622	
Gorleston	497	82312	64022	24713	855//	10211	88625		
Aberporth	502	82424	65036	25712	853//	11215	84708	88621	
Filton	628	82613	40516	28113	872//	12217	83703	86705	88706
Rhoose	715	82619	48516	27812	852//	12216	82704	86709	88614
Hartland Point	703	82820	35216	28513	872//	12224	88705		
Mount Batten	827	82513	60505	30713	852//	12218	81704	85709	88614
St.Mawgan	817	82414	59506	30612	871//	12317	82702	86704	88712
Scilly	804	72615	62026	31613	756//	11215	87638		
Culdrose	809	82513	50056	31213	862//	11213	84705	88709	
Guernsey	894	72420	68022	32613	753//	10208	81708	87612	
Elmdon	534	62412	68015	25113	654//	11214	82712	85616	
Cardington	559	82315	65216	25713	854//	11210	85711	85716	88623
Wittering	462	72416	68036	24213	754//	11210	87617		
Watnall	354	82409	58216	23513	853//	12214	84707	88615	
Shawbury	414	72212	75022	23813	754//	11215	87610		
Finningley	360	52215	62201	21613	35402	11306	81615	83630	85075
Spurn Point	396	42314	60011	21813	35670	11209	83645	84460	
Leeming	257	81810	68501	19811	853//	10207	82709	85612	88620
Tynemouth	262	52310	66022	17111	55600	08000	85630		
Carlisle	222	72415	65022	16313	754//	11705	82714	84620	87638
Valley	302	82321	65035	22713	854//	13216	83618	88628	
Ringway	334	72214	68206	22613	754//	11312	81614	87626	
Squires Gate	318	62317	67016	21112	655//	11307	86622		
Ronaldsway	204	72519	75025	19513	753/	11310	81708	85714	87618
Mull of Galloway	131	72434	80022	16512	5851/	12602	82820	85625	87460
Eskdalemuir	162	82123	45586	14811	872//	10705	86705	88711	
Prestwick	135	82220	56616	14413	853//	11509	82706	83711	85616
Abbotsinch	140	82320	40598	12912	852//	11513	82705	86709	88625
Leuchars	171	72316	62608	11410	6542/	08807	84713	84620	87460
Dyce	091	72107	82031	09608	755//	06000	81620	87645	
Lerwick	005	62223	70028	00808	683//	05003	81708	83815	85622
Wick	075	62213	84038	05608	1563/	04504	81630	86358	
Sule Skerry	010	32624	76018	03609	33400	09304	81915	83820	
Cape Wrath	049	72325	75808	04210	3347/	09501	83915	87360	
Stornoway	026	72314	65808	05009	784//	08706	83815	87625	
Benbecula	022	72315	70218	07010	754//	10504	83616	86635	
Tiree	100	82327	60058	09912	853//	11503	83709	88614	
Aldergrove	917	82316	58508	17412	862//	12313	82705	84708	88712
Malin	980	82429	68606	14112	7642/	12315	85712	87715	88458
Belmullet	976	82224	57506	17413	862//	11218	84705	88712	
Birr	965	82212	56505	22812	863//	11216	86707	88710	
Dublin	969	82422	65505	21313	864//	11317	85712	88620	
Shannon	962	62313	80015	23812	45430	10216	82716	83635	
Roches Point	952	72213	70015	26512	46472	11221	84710	83360	86073
Valentia	953	62217	65035	25513	46402	11213	84715	84070	

OBSERVATIONS during DAY

Station	iii	RRT T E x x	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	97131	000	d_od_o	d_o
Hurn	862	97151	003	+	r_o
Manston	797	97151	042	ir_o	+
Gatwick	776	97141	001	r_o	r_o
Kew	775	97141	001	r_o	id_o
Heathrow	772	97141	003	r_o	d_o
Honington	586	93131	010	rr_oR	+
Wattisham	590	97131	004	ir_o	+
Gorleston	497		027		
Aberporth	502	96121	000	$rrr_or_od_or_o$	id_o
Filton	628	93131	000	d_or_o- $r_or_od_o$	$d_od_od_or_od_or_o$
Rhoose	715	03131	000	$r_orr_or_od_or_odr$	$d_or_od_or_od_od_o$
Hartland Point	703	01131	000		
Mount Batten	827	97131	000	d_o	$id_od_od_o$
St.Mawgan	817	01131	000	r_od_odr	id_o
Scilly	804	92131	000	ir_o	ir_o
Culdrose	809	95131	000	$pr_oidd_or_od_or_o$	ir_o
Guernsey	894	97140	018	+	ir_o
Elmdon	534	97141	000	d_o	d_o
Cardington	559	96131	002	$irir_or_or_o$	ir_o
Wittering	462	01141	001	rr_od_o	+
Watnall	354	05131	000	d_odr_orR	r_oid_o
Shawbury	414	91141	003	r_o	+
Finningley	360	97141	028	+	d_o–r_o
Spurn Point	396			+	+
Leeming	257	97141	025	+	d_o
Tynemouth	262	00141	018	+	+
Carlisle	222	00131	017	+	+
Valley	302	97131	003	id_o	+
Ringway	334	92141	011	r_or_o	$d_or_od_o$
Squires Gate	318	91131	033	d_or_o	$d_or_od_o$
Ronaldsway	204	91131	017	pr_od_o	+
Mull of Galloway	131	00121			
Eskdalemuir	162	02111	003	+	$d_or_od_or_odr$
Prestwick	135	03131	006	pr_o	$r_or_orrd_or_odr$
Abbotsinch	140	03121	017	pr_o	$r_orrdrd_or_od_or_o$
Leuchars	171	97121	030	pr_o	r_oir_o
Dyce	091	00111	040	+	+
Lerwick	005	04091	012	pr_opr	$prpr_o$
Wick	075	97091	015	pr_o	ir_o
Sule Skerry	010	03121			
Cape Wrath	049	01102	006	pr_opr	$prpr_o$
Stornoway	026	03101	010	pr_o	pr_opr
Benbecula	022	02111	007	pr_opr	ir_orpr_o
Tiree	100	04121	000	pr_or_or	r_odrd_or
Aldergrove	917	96121	019	pr_o	$pr_od_odrd_or_o$
Malin	980	0113	017		
Belmullet	976	9313	001		
Birr	965	0113	000		
Dublin	969	9114	000		
Shannon	962	0113	000		
Roches Point	952	9714	001		
Valentia	953	0214	000		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

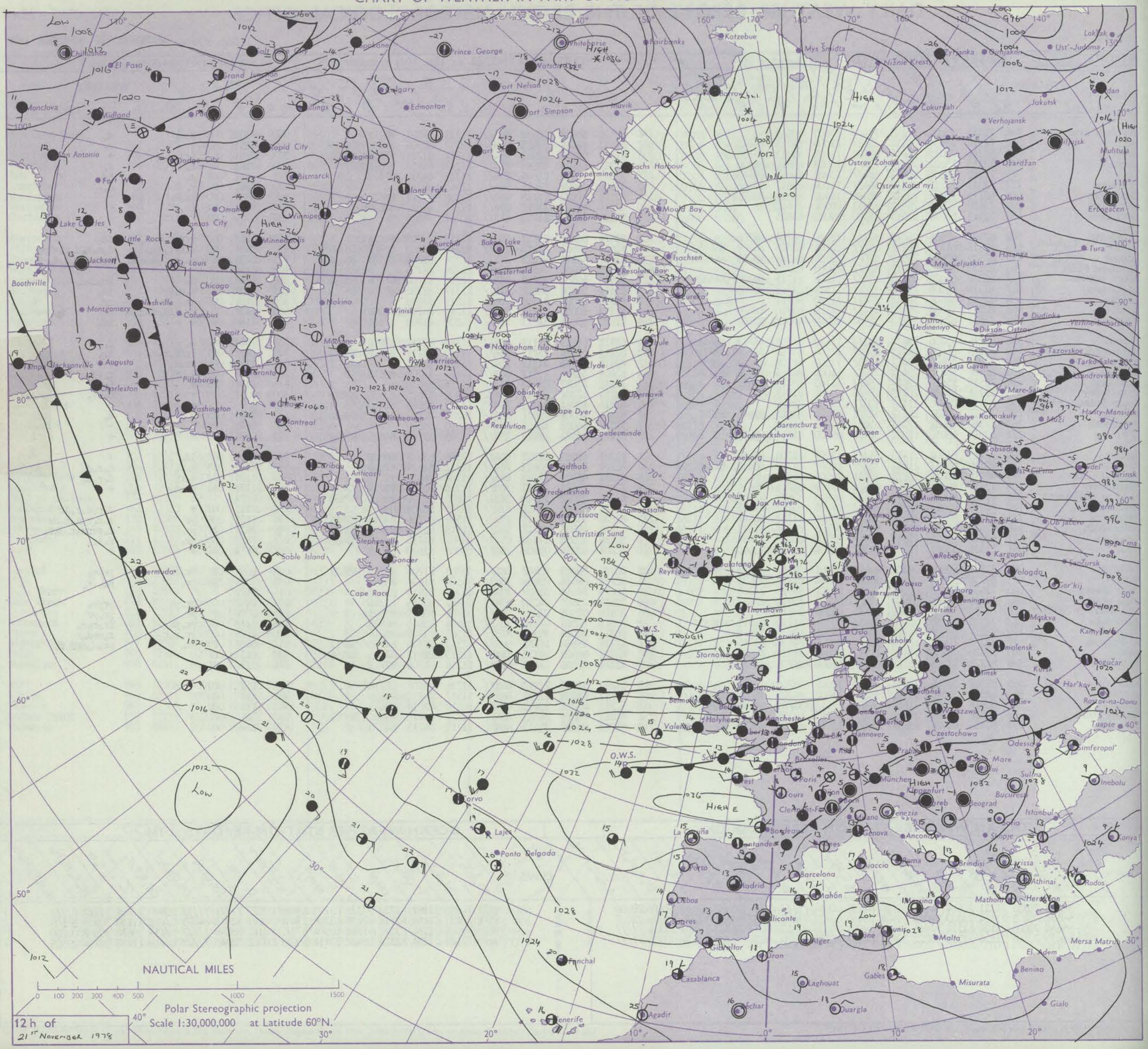
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	21121	70604	98028	02704	68530	00814	/////	/////	05802	10810	3////	28008
	99571	70201	21124	22733	98018	02908	28400	00221	81817	/////	0//01	11095	31009	22007
	99664	70006	21124	62114	97806	69104	59403	00828	82810	84912	0//03	10603	30304	/////
	99470	70168	21124	82318	98022	32614	885//	00212	81820	88650	0//09	11434	30604	/////

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	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$0T_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	21181	62720	97278	07103	63400	00273	/////	/////	05900	10796	31212	/////
	99571	70199	21184	42318	97158	05708	23401	00111	82913	84075	0//02	11110	30908	20109
	99665	70005	21184	83142	97618	68604	873//	00312	88709	/////	0//53	10670	30607	00/00
	99470	70171	21184	82218	98022	32114	856//	00302	88645	/////	0//09	11453	30704	29905

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

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of 21ST NOVEMBER 1978

00h of 22ND NOVEMBER 1978

06h of 22ND NOVEMBER 1978

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 22 NOVEMBER 1978

During the past 24 hours a frontal zone lying across central England and Wales was carried northwards to Scotland as a wave depression moved rapidly northeastwards from the Atlantic towards the Faeroes. Pressure remained high from central Europe to France and generally low to the north of the British Isles.

During the next 24 hours a cold front is expected to move southwards to central England and Wales behind the wave depression which is expected to continue northeastwards to north Norway. Pressure will continue high over France and central Europe.

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

Code FM 11.V — OBSERVATIONS at 00h. 22 November 1978

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	72512	82022	31011	35532	10211	81625	83656	86072
Hurn	862	62407	70012	32012	38431	11212	81818	84360	85075
Manston	797	72314	75012	29513	3843/	11207	81812	83650	87359
Gatwick	776	72411	70216	30913	754//	11211	82616	87622	
Kew									
Heathrow	772	82509	70215	29913	854//	11213	86717	88625	
Honington	586	72315	70012	27212	2553/	10312	82620	87362	
Wattisham	590	82518	70032	27712	6547/	10209	83615	85622	88359
Gorleston	497	62414	64022	26313	655//	11210	86625		
Aberporth	502	72316	62035	28711	754//	11117	82710	87645	
Filton	628	82613	75026	30413	853//	11211	86709	88618	
Rhoose	715	42516	70015	30212	45300	11211	82707	83628	
Hartland Point	703	82722	75026	30212	854//	11209	85711	88620	
Mount Batten	827	62515	70015	32613	65400	11209	81710	86615	
St.Mawgan	817	72213	62015	32412	752//	11209	83705	86706	87628
Scilly	804	22716	64031	33212	25500	11209	82625		
Culdrose	809	82513	57022	33012	852//	11109	82705	85712	88635
Guernsey	894	82517	80022	34213	854//	11211	86710	87630	
Elmdon	534	72313	75032	27313	754//	10211	86614		
Cardington	559	82417	66022	27913	855//	11113	88626		
Wittering	462	72517	80032	26413	55432	11214	84618	83360	86075
Watnall	354	42611	70025	25512	35431	10313	83613		
Shawbury	414	62416	75022	26513	654//	10216	86614		
Finningley	360	62312	81016	23813	35502	11211	83622	86075	
Spurn Point	396	32615	62021	23712	30970	10218	83460		
Leeming	257	82523	75025	21913	854//	10315	88614		
Tynemouth	262	72522	81022	18514	755//	10314	87623		
Carlisle	222	72524	65032	19013	754//	11216	83712	85623	86650
Valley	302	82323	62022	25912	854//	11218	88619		
Ringway	334	82310	70022	25813	854//	11219	84713	88615	
Squires Gate	318	82317	70212	24512	854//	11321	81713	83617	88625
Ronaldsway	204	72522	68012	22613	754//	10112	82716	87624	
Mull of Galloway	131	62428	80031	20412	685//	10110	82820	84635	
Eskdalemuir	162	52429	65216	17111	58400	11213	82712	83818	
Prestwick	135	82420	45586	17812	852//	11215	83703	83706	86714
Abbotsinch	140	82415	50586	16312	853//	11214	82706	86712	88616
Leuchars	171	22425	82026	12112	25400	09211	82616		
Dyce	091	72507	75031	10812	754//	09225	81615	87634	
Lerwick	005	52629	75258	03307	48402	01329	82815	83630	
Wick	075	62814	82036	08907	15632	05331	81640	86075	
Sule Skerry	010	72926	80038	07609	23471	07249	82915	84360	87075
Cape Wrath	049	72724	74018	08008	755//	07250	87620		
Stornoway	026	42411	60258	10407	48400	05238	83818		
Benbecula	022	62513	80018	12009	655//	07224	82625	85640	
Tiree	100	72315	70016	14410	754//	09223	82618	87650	
Aldergrove	917	82317	75216	20211	854//	10109	81710	83615	88621
Malin	980	82323	62506	16912	864//	11213	85712	88715	
Belmullet	976	82124	58586	19512	863//	12206	86708	88714	
Birr	965	72012	62025	24812	756//	09309	87633		
Dublin	969	12315	80015	24012	10930	09112	81361		
Shannon	962	82312	80031	25312	857//	10304	88650		
Roches Point	952	52216	70206	28012	564//	11207	84714	84632	
Valentia	953	82217	70026	27013	854//	11210	83713	88640	

Code FM 11.V — OBSERVATIONS at 06h. 22 November 1978

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	72512	68586	31511	755//	09400	83620	86645	
Hurn	862	72512	65031	32512	784//	10302	81818	87656	
Manston	797	62110	80031	31410	55441	10306	81713	85650	
Gatwick	776	72509	80022	31912	754//	10301	81616	87645	
Kew	775	72311	75016	30712	55401	09001	81710	85640	85075
Heathrow	772	72109	70026	30512	65608	10501	86644	84275	
Honington	586	32211	65011	28611	00901	09102	83075		
Wattisham	590	62310	75012	29509	00908	09104	86275		
Gorleston	497	02410	66011	28212	00900	09208			
Aberporth	502	72318	70016	28812	753//	10201	81708	87650	
Filton	628	82613	62586	30612	852//	11201	81705	85708	88636
Rhoose	715	82616	68206	30212	853//	11303	82708	88632	
Hartland Point	703	82723	66026	30612	854//	12204	85711	88634	
Mount Batten	827	72514	70505	32913	754//	11302	83714	83717	87625
St.Mawgan	817	72316	65022	32812	753//	11202	85706	87632	
Scilly	804	62413	80216	33412	45430	10301	84615	86360	
Culdrose	809	82413	60032	33412	852//	11203	85705	88614	
Guernsey	894	82516	75602	34712	854//	09303	83712	88630	
Elmdon	534	72211	68601	28311	754//	09301	84617	87625	
Cardington	559	72214	68022	28911	35502	09801	83620	86075	
Wittering	462	52413	75011	27711	35501	09602	81620	83650	85075
Watnall	354	62311	70031	26510	654//	09501	82613	85640	
Shawbury	414	72308	75022	27312	754//	09206	82613	87618	
Finningley	360	42111	81031	24911	25632	08500	82630	84075	
Spurn Point	396	52216	66011	25211	1557/	09203	81625	85360	
Leeming	257	72112	81032	23113	755//	08500	83620	87628	
Tynemouth	262	72512	80022	20413	756//	08103	87630		
Carlisle	222	72416	65021	20312	754//	10207	82714	87618	
Valley	302	72122	68012	25812	757//	11801	87650		
Ringway	334	72214	80026	26012	756//	09503	87638		
Squires Gate	318	72319	75021	24512	756//	10803	87643		
Ronaldsway	204	42425	82031	22612	45400	09506	81715	84620	
Mull of Galloway	131	72428	80022	20911	3843/	10101	81715	83625	85358
Eskdalemuir	162	72329	70038	18411	784//	09212	85818	87640	
Prestwick	135	82319	65036	18212	854//	10802	81714	87618	
Abbotsinch	140	82422	50586	16011	6531/	11709	81707	84715	86624
Leuchars	171	72216	70211	14412	754//	10002	84710	87624	
Dyce	091	71914	80028	12210	756//	07809	82635	86645	
Lerwick	005	62316	75018	06407	684//	02804	83815	85630	
Wick	075	72112	82021	08508	756/2	03723	82630	87645	
Sule Skerry	010	71916	66258	05309	3257/	09733	83820	87360	
Cape Wrath	049	82020	70616	05608	874//	08825	88715		
Stornoway	026	82324	56506	04909	853//	09849	84708	88614	
Benbecula	022	82325	62606	07111	854//	11730	84712	88617	
Tiree	100	82230	56206	12312	862//	11713	82705	88711	
Aldergrove	917	22415	80211	20311	26400	10801	82710		
Malin	980	82330	65215	16512	864//	10604	85712	88716	
Belmullet	976	82227	59586	19312	863//	11601	85709	88714	
Birr	965	72214	66022	25112	764//	09103	85712	86631	
Dublin	969	82318	80031	23412	854//	08705	82718	84626	86656
Shannon	962	82112	75028	25712	854//	10001	82714	86620	88635
Roches Point	952	22217	70011	28612	28402	10302	82816		
Valentia	953	82217	70216	27412	854//	10302	83713	88642	

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	94101	08	d_o	$r_od_or_o$
Hurn	862	97121	10	+	pr_o
Manston	797	00101	08	+	+
Gatwick	776	95111	09	r_o	$r_od_or_o$
Kew	775	97121	10	id_o	r_o
Heathrow	772	97111	10	r_o	r_o
Honington	586	00101	09	+	+
Wattisham	590	00091	07	+	+
Gorleston	497				
Aberporth	502	95101	07	ir_o	ir_o
Filton	628	91111	09	+	$d_o-d_or_od_or_opr_o$
Rhoose	715	01111	09	d_o	$d_or_odrr_o$
Mount Batten	703	01101	10		
St.Mawgan	827	97121	11	+	id_oir_o
Scilly	817	97111	10	d_o	d_o
Culdrose	804	97121	09	+	ir_o
Guernsey	809	00110	11	+	+
	894	97120	10	+	r_o
Elmdon	534	97111	08	+	r_o
Cardington	559	00101	08	+	+
Wittering	462	00101	09	+	+
Watnall	354	97101	06	+	r_o
Shawbury	414	94101	09	+	r_o
Finningley	360	97101	07	r_o	+
Spurn Point	396			+	+
Leeming	257	00121	10	+	+
Tynemouth	262	00121	10	+	+
Carlisle	222	00121	11	+	+
Valley	302	00121	10	+	+
Ringway	334	97111	10	r_o	r_o
Squires Gate	318	97111	10	r_o	+
Ronaldsway	204	97111	10	+	pr_o
Mull of Galloway	131	00111			
Eskdalemuir	162	01101	08	$d_or_opr_o$	pr_o
Prestwick	135	03111	11	drd_od_o	$d_od_oir_o$
Abbotsinch	140	06111	09	$d_or_od_or_odrdr$	$d_or_od_or_odrdr$
Leuchars	171	97101	07	+	$r_od_or_o$
Dyce	091	97071	04	pr_o	+
Lerwick	005	02061	04	pr_opr	$pr_or_or_o$
Wick	075	92051	01	ir_o	ir_o
Sule Skerry	010	03071	05		
Cape Wrath	049	06062	05	pr_o	r_or_orr
Stornoway	026	04061	03	pr_o	$r_orrd_od_or_or_o$
Benbecula	022	01091	06	pr_oir_o	$d_or_od_od_o$
Tiree	100	05091	09	rRdr	$drid_od_or_o$
Aldergrove	917	92101	09	$d_or_o-r_o$	r_o
Malin	980	9412	11		
Belmullet	976	9712	11		
Birr	965	9711	10		
Dublin	969	9711	08		
Shannon	962	9712	09		
Roches Point	952	9111	09		
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_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	22001	82712	95858	13003	834//	00228	/////	/////	05752	10758	3//06	28/12
L	99572	70198	22004	42436	99258	97809	29462	00758	82914	/////	0//05	11076	30909	18010
M	99666	70007	22004	83230	97266	81302	893//	71259	86708	88910	0//00	10685	30811	/////
R	99470	70170	22004	81916	98022	33114	856//	00104	88645	/////	0//09	11441	30704	29904

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	22061	42613	97278	17103	43400	00119	/////	/////	05955	10773	3//06	28/13
L	99572	70197	22064	22540	99258	99408	23400	61335	81912	/////	0//03	11065	31014	19008
M	99668	70008	22064	83226	96858	89550	894//	71239	88912	/////	0//52	10654	30808	00/00
R	99471	70168	22064	71716	98022	31614	756//	00609	87645	/////	0//11	11452	30704	29904

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. 42735

Date of Issue THURSDAY 23 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 22 November 1978

Station	iii	Nddff	VVwwW	PPPTT	NhClhCMCH	TdTdapp	8NsChshs	8NsChshs	8NsChshs
Boscombe Down	746	72513	84026	33113	58431	09002	83715	84818	85078
Hurn	862	72615	75258	34314	785/1	10002	83820	86630	87075
Manston	797	72312	82022	32413	784//	10803	81815	87638	
Gatwick	776	72413	82036	33113	785/1	10804	82820	87645	
Kew	775	72413	82806	32413	785//	09000	84820	87645	
Heathrow	772	72313	65806	32113	784//	11001	83817	87645	
Honington	586	72213	80011	29513	58402	09803	81815	85650	
Wattisham	590	72317	80032	30412	784//	09801	85616	87638	
Gorleston	497	72315	66011	29013	755//	09004	87625		
Aberporth	502	72421	70036	30613	784/2	09004	82815	87628	
Filton	628	72517	75038	32414	784/1	11004	81710	86815	
Rhoose	715	72617	66216	32612	783//	11111	83707	87645	
Hartland Point	703	72822	60606	32612	785//	11010	82820	86630	
Mount Batten	827	82514	75036	35113	884//	11106	81814	88640	
St.Mawgan	817	82313	82036	34613	884//	08005	81814	88626	
Scilly	804	62315	74152	35313	6567/	10004	86635		
Culdrose	809	72416	75022	35212	754//	10003	82710	87630	
Guernsey	894	72415	85026	36413	784//	07003	83813	87627	
Elmdon	534	72415	70026	29513	785/2	08003	83822	87635	
Cardington	559	72417	68022	30213	68432	10001	83715	83820	85640
Wittering	462	72518	80025	28914	785//	09002	81820	87637	
Watnall	354	72313	65026	27612	784//	09000	81812	87640	
Shawbury	414	72418	81258	28313	68426	09103	81712	84822	85635
Finningley	360	72010	81011	25913	755/2	09002	82625	86640	
Spurn Point	396	72117	61032	25912	50972	09108	85360	87075	
Leeming	257	72215	86251	23413	784//	09106	81814	87620	
Tynemouth	262	52517	80022	19214	4563/	08817	84630	85358	
Carlisle	222	72523	70026	20213	55472	10804	81714	83648	85645
Valley	302	72227	70012	27412	45432	12005	81710	83645	87075
Ringway	334	72413	75022	27113	785/2	09105	81820	87640	
Squires Gate	318	72320	75212	26112	784//	11007	81715	87635	
Ronaldsway	204	72326	80018	23213	754//	09804	81716	84626	87650
Mull of Galloway	131	82435	78032	21312	7542/	10003	82715	86625	88458
Eskdalemuir	162	82122	40638	19910	873//	10015	86707	88710	
Prestwick	135	82220	56586	18312	852//	10703	82704	83710	86616
Abbotsinch	140	82323	35636	16511	853//	11400	82707	85710	88630
Leuchars	171	72429	68606	13613	55432	09001	82710	85614	86075
Dyce	091	12219	86011	08115	18502	09715	81820		
Lerwick	005	72237	65218	96109	58438	07655	82810	83630	87270
Wick	075	72726	80256	03411	38432	08806	81818	83640	87070
Sule Skerry	010	82636	30808	00309	833//	09703	88906		
Cape Wrath	049	72745	58818	00009	734//	07712	84910	87615	
Stornoway	026	62634	75256	05309	48402	03317	82816	83620	
Benbecula	022	62634	59026	09110	624//	04314	82710	86818	
Tiree	100	72331	60216	12812	6532/	11305	85707	86618	87458
Aldergrove	917	82316	80206	21412	873//	10103	81708	88712	
Malin	980	82329	60505	17412	7642/	11207	86711	84714	88458
Belmullet	976	82226	58206	20713	863//	11205	83709	86717	88636
Birr	965	72312	66805	26412	784//	09203	84713	84820	86632
Dublin	969	72420	80032	24513	654/2	09005	83719	86628	
Shannon	962	72314	82026	27413	58532	10105	82820	84640	85075
Roches Point	952	72114	70028	30012	654/1	10106	81712	85630	87070
Valentia	953	72320	70028	29013	784//	10105	82817	87645	

OBSERVATIONS at 18h. 22 November 1978

Station	iii	Nddff	VVwwW	PPPTT	NhClhCMCH	TdTdapp	8NsChshs	8NsChshs	8NsChshs
Boscombe Down	746	72408	84028	34011	755//	07209	87620		
Hurn	862	72411	75012	34613	48501	09306	81820	84635	86075
Manston	797	72311	81022	33013	756//	10308	87640		
Gatwick	776	62412	83012	34012	656//	08210	86636		
Kew	775	72409	80038	33213	755//	09211	81620	87632	
Heathrow	772	72208	80018	32713	755//	10211	82624	87640	
Honington	586	72313	70022	30412	55402	09310	82616	84630	87075
Wattisham	590	72414	80022	31111	756//	08309	82630	87650	
Gorleston	497	42414	66011	29513	40970	09306	84360		
Aberporth	502	82218	75032	31311	855//	10308	82620	88638	
Filton	628	72512	70258	33211	784//	10208	85818	86630	
Rhoose	715	72515	75028	32911	753//	09309	81709	83627	87632
Hartland Point	703	72521	85026	32412	55436	10105	82712	85640	87275
Mount Batten	827	72513	75252	35013	783//	10304	82706	83822	87640
St.Mawgan	817	72207	60206	35011	752//	10305	82704	83710	87630
Scilly	804	62614	82032	35512	55501	10206	85622		
Culdrose	809	72509	68258	35711	784//	10206	82710	83815	86625
Guernsey	894	72410	86022	36513	785//	07206	85825	87632	
Elmdon	534	72415	80022	30112	2857/	07306	81822	87362	
Cardington	559	72418	65022	31111	756//	09311	87641		
Wittering	462	72516	80032	29412	755//	07308	82628		
Watnall	354	72416	80026	28511	755//	07311	82622	87645	
Shawbury	414	72513	81028	29412	785//	09309	81822	84630	87650
Finningley	360	72212	75022	26612	755//	08309	81625	87642	
Spurn Point	396	62111	62032	26612	656//	09209	86649		
Leeming	257	82218	82032	23813	855//	08002	88626		
Tynemouth	262	62316	80022	20013	655//	08204	86628		
Carlisle	222	82516	65026	21613	5542/	10210	82712	85640	88462
Valley	302	72225	72026	28112	756//	11206	87630		
Ringway	334	72416	80022	27512	756//	08209	87645		
Squires Gate	318	72320	75012	26612	756//	10110	87635		
Ronaldsway	204	82421	70032	24913	854//	09308	81714	88624	
Mull of Galloway	131	82425	83022	22912	856//	10214	88630		
Eskdalemuir	162	82217	38636	20910	873//	10312	86707	88710	
Prestwick	135	82813	58606	22310	853//	08339	82708	84616	88626
Abbotsinch	140	82511	62616	20909	854//	08139	81715	83622	88645
Leuchars	171	72422	75216	17010	585/2	05233	82824	84650	87070
Dyce	091	12613	86010	14309	00901	02344	81075		
Lerwick	005	53018	80258	05805	584//	01391	82812	84630	
Wick	075	42624	80258	11406	28432	03252	81816		
Sule Skerry	010	53418	81018	10807	4346/	02279	82915	84820	
Cape Wrath	049	73230	66908	10807	4947/	06272	84915	87360	
Stornoway	026	42909	75028	14605	39401	03362	83916		
Benbecula	022	22925	70018	16608	22400	04251	82818		
Tiree	100	32725	75011	19009	38400	04237	82818		
Aldergrove	917	82813	60506	24010	872//	09324	82704	84708	88710
Malin	980	82824	70606	22509	5642/	05232	84716	88462	
Belmullet	976	82511	61215	24609	854//	08221	83717	88640	
Birr	965	82312	80028	27312	7647/	10211	84714	86632	88460
Dublin	969	82215	82038	26512	855//	09216	85622	87632	
Shannon	962	82313	80026	27812	855//	10309	83622	87640	
Roches Point	952	72119	70218	30212	754//	10003	82712	86628	
Valentia	953	82217	60208	29013	862//	11205	88705		

OBSERVATIONS during DAY

Station	iii	RRTxTE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	97141	018	pr$_o$	+
Hurn	862	97141	013	pr$_o$	+
Manston	797	00151	003	+	+
Gatwick	776	00141	010	+	+
Kew	775	97141	012	pr$_o$	pr$_o$
Heathrow	772	97141	011	r$_o$pr$_o$	pr$_o$
Honington	586	00140	012	+	+
Wattisham	590	00130	000	+	+
Gorleston	497		003		
Aberporth	502	00131	023	+	+
Filton	628	92141	009	pr$_o$	pr$_o$
Rhoose	715	92131	004	r$_o$r–r$_o$pr$_o$	pr$_o$
Hartland Point	703	94120	003		
Mount Batten	827	94131	000	+	pr
St.Mawgan	817	92131	000	d$_o$r$_o$	d$_o$r$_o$d$_o$
Scilly	804	97141	011	d$_o$	+
Culdrose	809	92132	001	+	pr$_o$
Guernsey	894	00130	000	+	jp
Elmdon	534	97131	003	r$_o$	+
Cardington	559	00141	013	+	+
Wittering	462	97141	006	d$_o$	+
Watnall	354	97131	000	+	r$_o$
Shawbury	414	93141	004	pr$_o$	pr$_o$
Finningley	360	00141	010	+	+
Spurn Point	396			+	+
Leeming	257	97131	001	pr$_o$	+
Tynemouth	262	00141	015	+	+
Carlisle	222	96131	000	d$_o$r$_o$	r$_o$rd$_o$r$_o$
Valley	302	97131	001	ir$_o$	+
Ringway	334	00131	007	+	+
Squires Gate	318	97131	001	r$_o$	+
Ronaldsway	204	97131	000	+	ir$_o$
Mull of Galloway	131	01121			
Eskdalemuir	162	12111	000	pr$_o$r$_o$rr	rrr$_o$
Prestwick	135	05131	000	r$_o$d$_o$r$_o$	d$_o$r$_o$Rr$_o$r$_o$
Abbotsinch	140	13121	000	d$_o$r$_o$rrR	rrr$_o$r$_o$
Leuchars	171	01131	023	r$_o$r$_o$	r$_o$r$_o$
Dyce	091	97151	063	+	pr$_o$
Lerwick	005	02101	000	r$_o$r$_o$rrir$_o$pr$_o$	pr$_o$
Wick	075	01131	015	ir$_o$pr$_o$	~~ps~~pr$_o$
Sule Skerry	010	03111			
Cape Wrath	049	02112	000	pr	phrpr$_o$
Stornoway	026	02111	005	pr$_o$	pr$_o$prpr$_o$
Benbecula	022	93121	000	d$_o$d$_o$	pr$_o$
Tiree	100	01121	000	ir$_o$R	+
Aldergrove	917	02122	000	r$_o$d$_o$r$_o$d$_o$	d$_o$r$_o$d–drd$_o$pr$_o$
Malin	980	0213	000		
Belmullet	976	0213	000		
Birr	965	9713	004		
Dublin	969	9713	012		
Shannon	962	9114	002		
Roches Point	952	9713	022		
Valentia	953	0214	001		

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

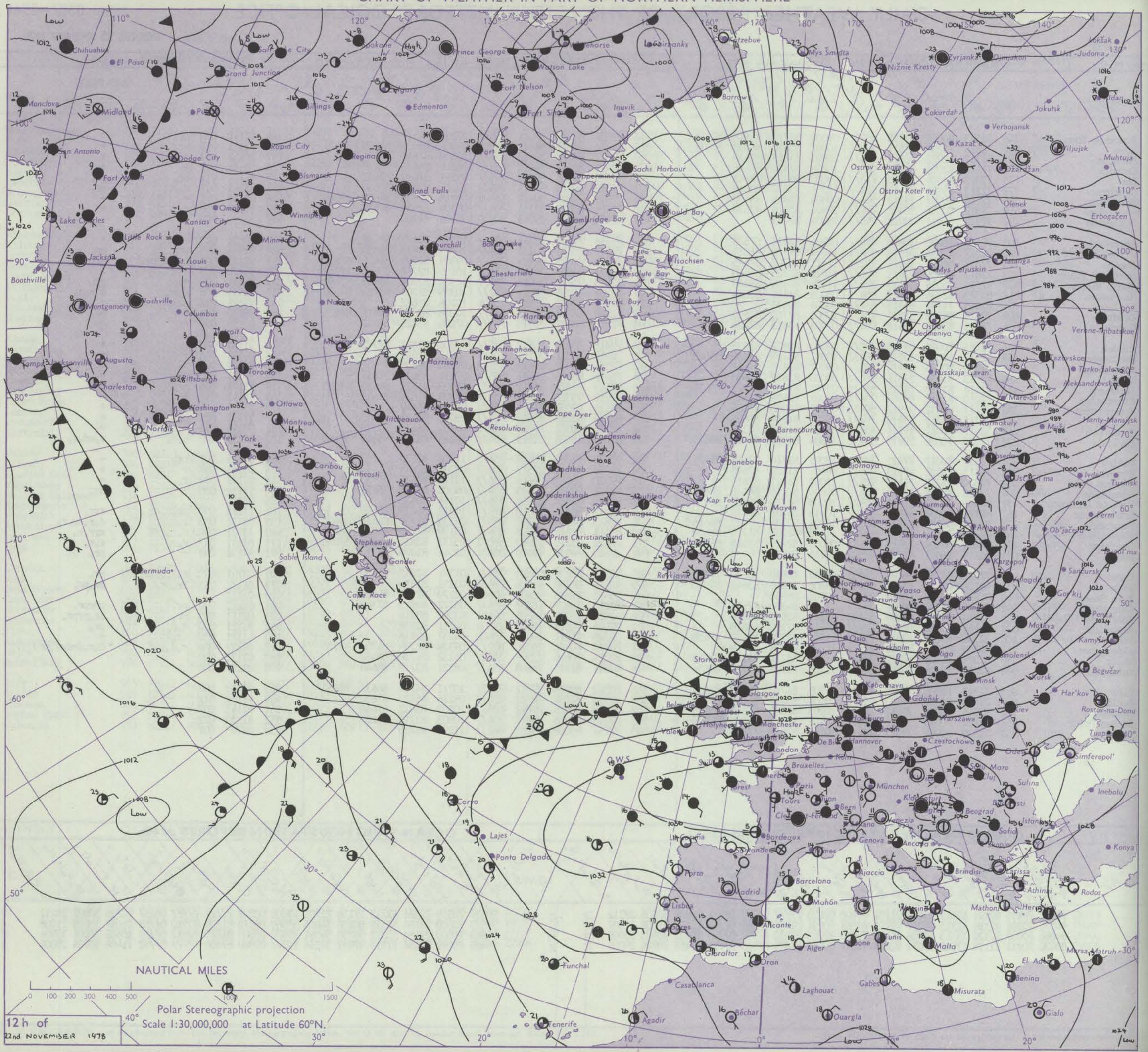
O.W.S.	99LaLaLa	QcLoLoLoLo	YYGGiw	Nddff	VVwwW	PPPTT	NhClhCMCH	DsvsTwapp	8NsChshs	8NsChshs	OTsTsTdTd	ITwTwTwtT	3PwPwHwHw	dwdwPwHwHw
CLMR	99527	70355	22121	62612	95878	21101	69400	00223	/////	/////	06255	10808	30605	28212
	99571	70201	22124	62725	98258	12705	6936/	00131	83706	85910	0//03	11100	31008	30907
	99668	70009	22124	73513	95858	94051	79400	31215	82810	87912	0//53	10633	30403	33908
	99470	70171	22124	72022	97012	32814	785//	00004	81825	87650	0//11	11458	30704	29005

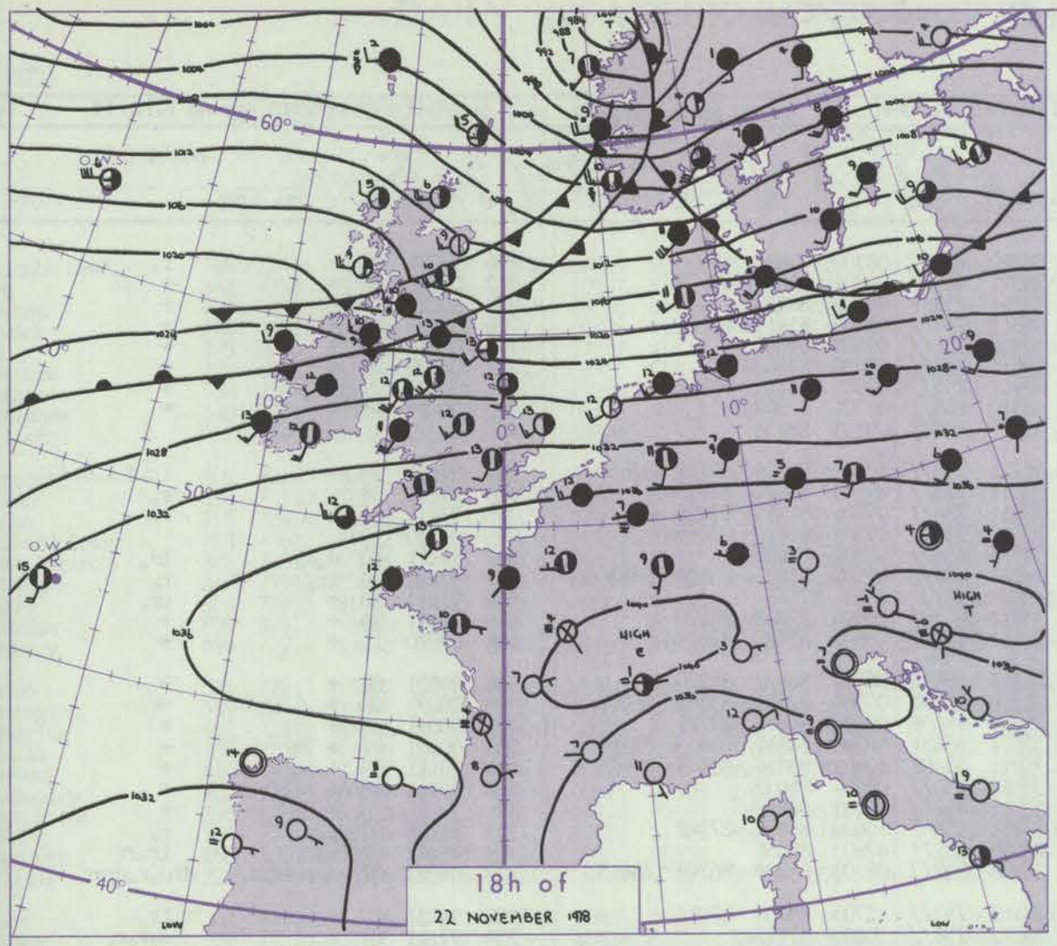
OCEAN WEATHER STATION REPORTS at 18h.

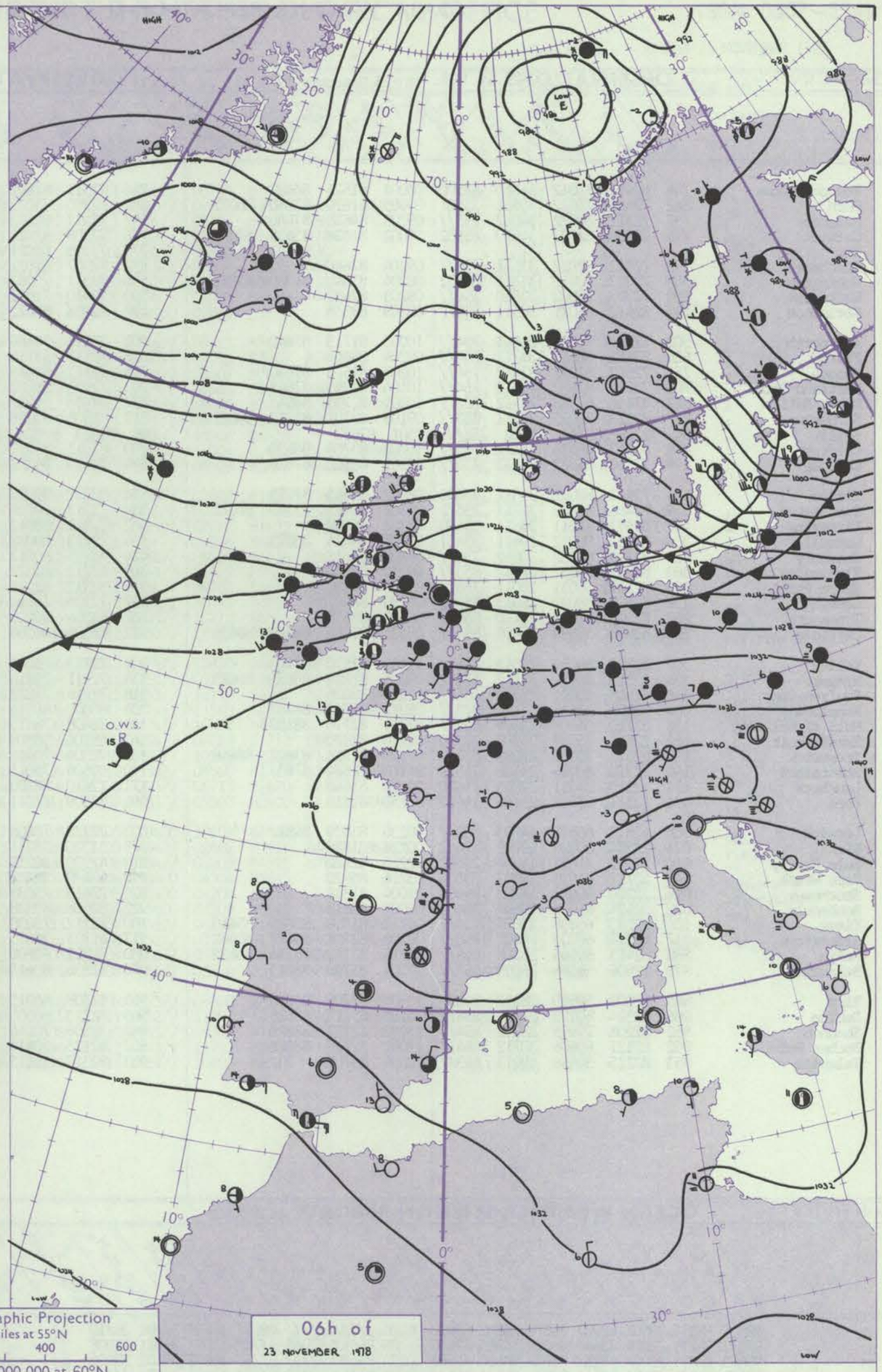
O.W.S.	99LaLaLa	QcLoLoLoLo	YYGGiw	Nddff	VVwwW	PPPTT	NhClhCMCH	DsvsTwapp	8NsChshs	8NsChshs	OTsTsTdTd	ITwTwTwtT	3PwPwHwHw	dwdwPwHwHw
CLMR	99527	70355	22181	42713	97158	22702	43400	00209	/////	/////	06157	10796	30807	28212
	99572	70200	22184	52539	98258	14405	59360	00313	81708	83910	0//02	11097	31010	21908
	99663	10003	22184	53312	98858	94301	39470	00305	81810	83912	0//53	10685	30201	33906
	99469	70172	22184	71918	97012	32214	757//	00500	87650	/////	0//12	11468	30704	29004

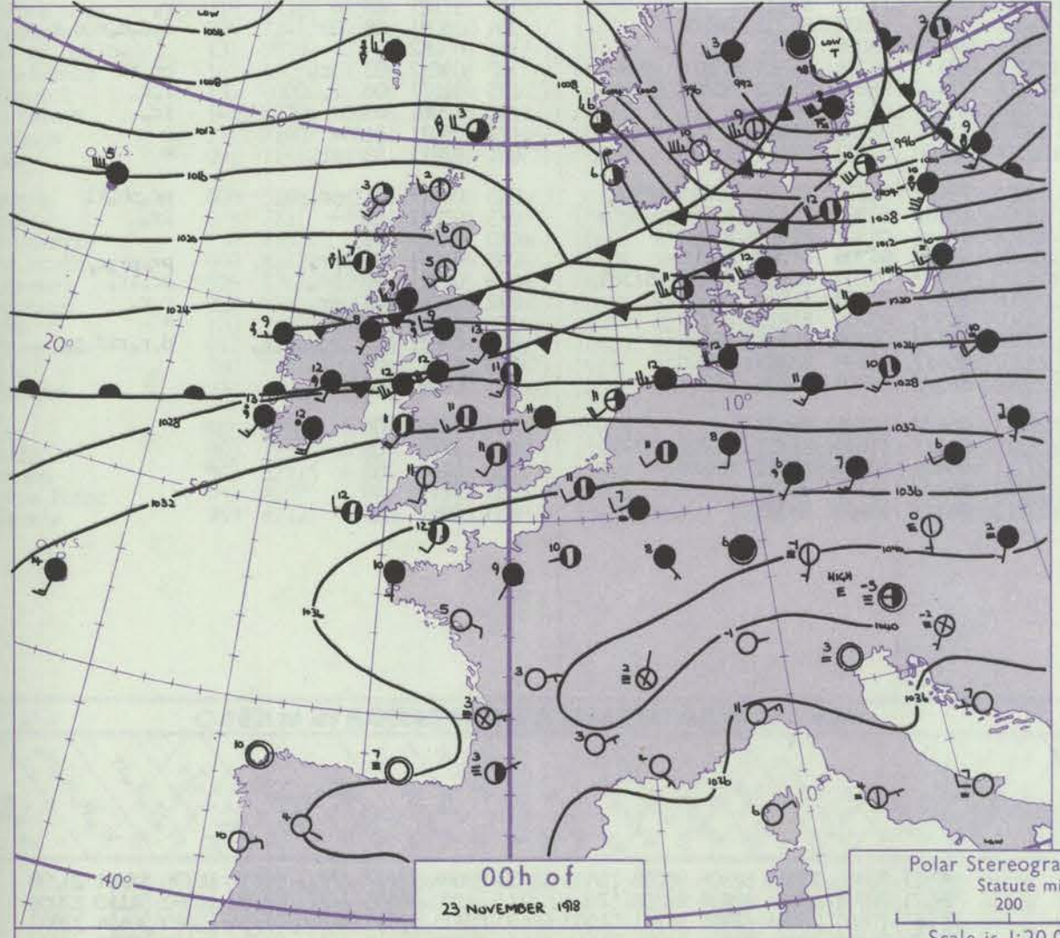
All times of observation printed in this publication are GREENWICH MEAN TIME.

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
22nd NOVEMBER 1978
Chihuahua
El Paso
Monclova
Midland
San Antonio
Fort Worth
Lake Charles
Jackson
Boothville
Montgomery
Tampa
Jacksonville
Charleston
Augusta
Little Rock
Kansas City
St. Louis
Chicago
Nashville
Columbus
Pittsburgh
Washington
Norfolk
New York
Toronto
Ottawa
Montreal
Caribou
Anticosti
Stephenville
Sable Island
Gander
Cape Race
Bermuda
Grand Junction
Rapid City
Dodge City
Billings
Bismarck
Omaha
Minneapolis
Winnipeg
Salt Lake City
Spokane
Prince George
Edmonton
Calgary
Regina
Inuvik
Fort Nelson
Watson Lake
Whitehorse
Fairbanks
Fort Simpson
Fort Smith
Churchill
Baker Lake
Chesterfield
Coral Harbour
Nottingham Island
Port Harrison
Wakeham Bay
Resolution
Cape Dyer
Pond Inlet
Clyde
Eureka
Alert
Arctic Bay
Resolute Bay
Isachsen
Cambridge Bay
Ould Bay
Sachs Harbour
Tuktoyaktuk
Barrow
Kotzebue
Mys Šmidta
Nižnie Kresty
Čokurdah
Ostrov Kotel'nyj
Ostrov Žohova
Verhojansk
Kazačje
Džardžan
Jakutsk
Tiksi
Ust'-Judoma
Ojmjakon
Cyrjanka
Tiksi
Olenek
Tatanga
Mys Celjuskin
Ostrov Uedineniya
Jackson Ostrov
Russkaja Gavan'
Mare-Sale
Salye Kamakuly
Tazovskoe
Aleksandrovsk
Narjan-Mar
Ivdel'
Tavda
Tjumen'
Ust'-Ilma
Sosnogorsk
Ukhta
Pečora
Arkangel'sk
Obljače
Perm'
Kirov
Kargopol'
Vologda
Sandarsk
Gor'kij
Penza
Kamyšin
Bogučar
Har'kov
Rostov-na-Donu
Tuapse
Simferopol'
Sulina
Inebolu
Konya
Larissa
Athinai
Rodos
Mathon
Heraklion
Brindisi
Ancona
Venezia
Genova
Beograd
Sofia
Istanbul
Bern
München
Paris
Tours
Bordeaux
Barcelona
Mahón
Ajaccio
Alger
Oran
Tunis
Malta
Gabès
Misurata
Benina
Gialo
Marsa Matruh
El Adem
Laghouat
Ouargla
Béchar
Agadir
Casablanca
Gibraltar
Alicante
Madrid
Lisboa
Porto
Funchal
Tenerife
Lajes
Ponta Delgada
Corvo
Thorshavn
Jan Mayen
Kap Tobin
Reykjavik
Ingmagssalik
Godthab
Frederikshab
Julianehåb
Prins Christians Sund
Angmagssalik
Barrow
Barentsburg
Hopen
Bjornoya
Murmansk
Kandalaksa
Petsamo
Vardø
Tromsø
Narvik
Bodø
Namsos
Trondheim
Oslo
Stockholm
Vaasa
Oulu
Sodankylä
Arkhangel'sk
Nordvagen
Oslersund
Ona
Storkow
Lerwick
Glasgow
Belfast
Manchester
Holyhead
London
Brussels
Köln
Hannover
De Bilt
Frankfurt
Kobenhavn
Gdańsk
Warszawa
Minsk
Riga
Smolensk
Kursk
Kiev
Czestochowa
Odesa
Mare
Sulina
Inebolu
Konya
Larissa
Athinai
Rodos
Mathon
Heraklion
Brindisi
Ancona
Venezia
Genova
Beograd
Sofia
Istanbul
Bern
München
Paris
Tours
Bordeaux
Barcelona
Mahón
Ajaccio
Alger
Oran
Tunis
Malta
Gabès
Misurata
Benina
Gialo
Marsa Matruh
El Adem
Laghouat
Ouargla
Béchar
Agadir
Casablanca
Gibraltar
Alicante
Madrid
Lisboa
Porto
Funchal
Tenerife
Lajes
Ponta Delgada
Corvo
Thorshavn
Jan Mayen
Kap Tobin
Reykjavik
Ingmagssalik
Godthab
Frederikshab
Julianehåb
Prins Christians Sund







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 23 NOVEMBER 1978

A complex depression off Western Iceland has remained slow moving, but a secondary depression about 200 miles south of Iceland has moved very rapidly east between the Faeroes and Shetland to Finland during the past 24 hours. Associated cold frontal troughs moved quickly east across northern parts of the British Isles but now extend across Denmark to Northern Ireland and are slow moving with minor waves developing along them. The anticyclone over the Continent has remained almost stationary. During the next 24 hours the low near Iceland will fill up leaving a trough of low pressure across Iceland. The European high will persist. The cold front across the British Isles will move slowly south.

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

Code FM 11.V — OBSERVATIONS at 00h. — 23 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s C h_s h_s$	$8N_s C h_s h_s$	$8N_s C h_s h_s$
Boscombe Down	746	62411	82012	34610	65500	08001	81625	86639	
Hurn	862	72408	75012	35511	35501	09003	81620	83650	86075
Manston	797	72412	80022	34012	755//	09203	84628	87640	
Gatwick	776	72409	82022	34610	65502	08002	81628	85638	87075
Kew									
Heathrow	772	72312	82022	33511	756//	09204	87640		
Honington	586	72313	70012	31311	35632	08204	83640	84360	85075
Wattisham	590	72313	70022	32010	756//	08203	87642		
Gorleston	497	82412	66031	30511	8097/	08309	88358		
Aberporth	502	72320	75032	31911	754//	10005	81713	87640	
Filton	628	82412	68612	33711	854//	09204	88615		
Rhoose	715	72513	82022	33412	754//	10202	84613	87630	
Hartland Point	703	72622	83032	33312	754//	10104	82715	87641	
Mount Batten	827	82416	62518	35512	852//	10001	82705	88641	
St.Mawgan	817	82213	70035	35411	853//	09103	82707	83712	88622
Scilly	804	72708	82011	35712	756//	10501	87632		
Culdrose	809	82312	68028	35712	853//	10703	83708	88620	
Guernsey	894	72310	84022	37112	755//	06101	82620	87626	
Elmdon	534	72413	80022	31011	45602	08002	84645	87075	
Cardington	559	72416	81022	31711	25572	09302	82625	83360	87075
Wittering	462	52413	75011	30811	55600	08307	85640		
Watnall	354	62311	80012	29411	35431	08207	83616	85075	
Shawbury	414	72315	80032	30012	754//	09105	87615		
Finningley	360	82312	80032	28012	855//	09310	88620		
Spurn Point	396	72217	59031	28011	756//	09307	87630		
Leeming	257	82519	80032	26013	854//	09120	88617		
Tynemouth	262	82508	81022	25710	856//	06240	88635		
Carlisle	222	82608	58586	25409	854//	08121	83712	86620	88634
Valley	302	82323	65032	29012	2567/	12202	82630	88460	
Ringway	334	72513	80022	28712	55532	09205	81628	85635	86075
Squires Gate	318	82418	70021	27712	855//	11206	88626		
Ronaldsway	204	82907	50615	27110	872//	09211	85705	88707	
Mull of Galloway	131	82710	66606	26809	2642/	07211	82710	88530	
Eskdalemuir	162	22616	75018	24307	22500	02210	82820		
Prestwick	135	82615	70026	25009	854//	07109	82715	83622	88646
Abbotsinch	140	72310	80036	24408	755//	04116	82624	87637	
Leuchars	171	12310	81011	22805	15600	02230	81640		
Dyce	091	12511	82018	21106	14400	02230	81818		
Lerwick	005	62818	65878	14703	693//	00236	83909	84812	
Wick	075	12514	80028	19202	12442	00226	81818		
Sule Skerry	010	22912	81021	17207	22500	02220	82820		
Cape Wrath	049	52717	81028	18007	53500	03216	85920		
Stornoway	026	22209	80028	18903	28400	01004	81818		
Benbecula	022	32424	81030	20507	38400	02005	82818		
Tiree	100	72513	65808	23007	734//	04211	81918	83825	85650
Aldergrove	917	82207	60208	26608	850//	08106	82701	86617	88632
Malin	980	82413	60605	25308	864//	06214	83712	86716	88635
Belmullet	976	82606	56586	26009	863//	09204	85709	88715	
Birr	965	82108	58505	28412	863//	10305	87709	87630	
Dublin	969	82314	80025	27511	854//	10105	83715	88625	
Shannon	962	82208	70035	28312	854//	11002	82712	88626	
Roches Point	952	82121	60606	30712	864//	11001	87710	88626	
Valentia	953	82215	50586	29013	863//	12804	88708		

OBSERVATIONS at 06h. — 23 November 1978

iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s C h_s h_s$	$8N_s C h_s h_s$	$8N_s C h_s h_s$
746	72511	82602	34710	755//	08500	83626	87640	
862	82705	75032	35511	855//	09301	81620	88656	
797	72411	80032	33811	656/1	09502	86635		
776	72308	82022	34811	754//	09500	81615	87636	
775	72308	80021	33911	756//	09400	87645		
772	72307	81022	33611	756//	09400	87642		
586	72311	70032	31911	754//	09301	82711	87637	
590	72410	75022	32510	756//	08301	87649		
497	82308	66022	31411	8091/	09103	88458		
502	72116	70586	31211	753//	10502	81709	84711	87640
628	72211	68216	33611	755//	09500	83620	87635	
715	72412	81016	33511	784//	09304	81814	87628	
703	72421	89022	32712	785//	09501	81820	87645	
827	82415	80035	34913	856//	08502	88638		
817	81908	70026	34711	884//	09502	81818	83624	88630
804	72409	81026	34812	756//	07603	87646		
809	82311	75022	34812	853//	10504	82708	88620	
894	72110	84022	36612	755//	05500	82620	87627	
534	82309	80022	31711	65537	08501	86622	88270	
559	72313	80022	32310	25732	09500	82650	85365	86078
462	72211	68012	31309	45606	09501	84640	87275	
354	72213	80032	30011	65431	08500	84617	84645	85360
414	72115	80012	30111	45402	10601	83616	83645	87075
360	62212	80022	28012	656//	09604	86632		
396	82212	62021	29011	857//	09103	88650		
257	72106	75216	26711	4564/	10606	84632	87362	
262	82504	80026	26509	8097/	07803	88358		
222	82505	40586	26208	852//	08102	84704	86709	88615
302	72223	65021	28412	753//	12705	85708	87616	
334	72111	75216	29112	754//	10000	87615		
318	72416	75022	27912	755//	11701	87623		
204	80000	40516	26310	871//	10807	86702	88703	
131	82408	78515	26209	864//	08808	88710		
162	82106	58808	26106	884//	06204	84712	85818	88640
135	72306	70016	25008	754//	06807	81710	83625	87646
140	42606	75011	24707	45600	04503	84635		
171	12410	82020	24003	15600	02500	81640		
091	32209	82011	22204	35600	02603	83645		
005	72120	70808	13905	794//	02818	82912	83815	85625
075	52320	75211	18904	15631	02507	81635	83359	85075
010	42928	80258	16106	13461	04307	81915	83358	
049	62621	74808	15506	43577	05709	84920	86360	
026	72413	75038	18705	4843/	03104	82818	84630	87360
022	82618	80038	20608	885//	01303	81820	88643	
100	72212	75038	22507	18506	03705	81822	87270	
917	81703	30635	25708	861//	08809	85702	88704	
980	81812	70606	24207	854//	06608	83715	88640	
976	81906	60615	23910	863//	09709	85706	88711	
965	52308	66015	27011	556//	10501	85633		
969	82213	65505	26312	861//	11609	81702	85707	87710
962	32506	70016	27111	35400	10502	81712	83640	
952	82125	50615	29512	862//	11706	88704		
953	82317	58615	27713	863//	13605	88708		

OBSERVATIONS during NIGHT

iii	$R R T_n T_n E$	$T_g T_g$	WEATHER 21h.—03h.	WEATHER 03h.—09h.
746	97091	08	+	r_o
862	00111	09	+	+
797	00031	06	+	+
776	00101	07	+	+
775	00111	09	+	+
772	00100	09	+	+
586	00101	09	+	+
590	00090	08	+	+
497				
502	97111	09	+	$ir_od_or_od_od_o$
628	91101	08	r_or_o	r_o
715	97111	09	+	r_o
703	00110	10		
827	97111	10	d_od_o	id_o
817	97101	09	ir_o	r_o
804	91111	10	+	pr_o
809	00111	09	+	+
894	00110	11	+	+
534	00101	08	+	+
559	00091	08	+	+
462	00091	08	+	+
354	00101	07	+	+
414	00111	09	+	+
360	00111	08	+	+
396			+	+
257	91101	09	r_or_o	r_o
262	01082	07	r_or_o	ir_orr
222	04082	07	$d_or_oir_od_o$	$drd_or_od_orr$
302	91121	10	+	ir_o
334	97111	09	d_or_o	$d_or_or_o$
318	97121	10	+	r_o
204	03091	09	DR	$d_od_od_or_od_or_or$
131	05082			
162	03052	03	pr_o	pr_orr
135	01071	06	r_o	r_or_o
140	92061	03	+	ir_o
171	00021	51	+	+
091	97011	53	pr_o	+
005	09012	51	pr_oph_o	pr_oph_otl
075	97011	52	+	ir_o
010	04031	03		
049	01051	03	pr_o	pr_opr_{6o}
026	02021	00	pr_o	pr_oir_o
022	01061	02	pr_o	r_or_o
100	01061	04	pr_o	+
917	04072	07	$r_od_od_or_o$	$d_or_orrd_or_o$
980	9407	05		
976	0409	08		
965	9710	08		
969	9711	09		
962	0210	05		
952	9211	10		
953	0312	11		

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s C h_s h_s$	$8N_s C h_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	23001	62707	96878	25802	63400	00204	/////	/////	06057	10797	3//01	28/10
L	99572	70198	23004	82640	98028	16705	49403	61308	84912	87068	0//02	11072	31011	21008
M	99663	10005	23004	63212	98038	98600	45602	00224	84630	/////	0//55	10692	30302	33904
R	99470	70170	23004	82114	97036	33014	854//	00102	81713	88640	0//13	11440	30704	/////

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s C h_s h_s$	$8N_s C h_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	23061	52306	98038	25803	33450	00606	/////	/////	05957	10796	3//01	28/08
L	99571	70201	23064	82838	94858	17902	832//	61000	88905	/////	0//02	11092	31110	22006
M	99663	10007	23064	62918	98261	01500	69400	00115	83915	84630	0//54	10689	30404	33903
R	99470	70169	23064	81914	97025	31514	856//	00805	88640	/////	0//13	11458	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. 42736

Date of Issue FRIDAY 24 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 23 November 1978

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	72411	82026	34112	38431	08808	82818	83359	86075
Hurn	862	72310	82802	34912	784//	10807	83818	84635	87645
Manston	797	62311	82012	33813	58501	08805	81824	84640	85075
Gatwick	776	62312	82022	34313	48501	08808	81820	84650	85075
Kew	775	72409	75012	33514	48501	07807	81822	84645	85075
Heathrow	772	62412	82012	33014	38502	08810	81825	83645	85078
Honington	586	72415	82012	31113	18532	07809	81822	87073	
Wattisham	590	72316	80032	32113	21432	08808	82815	87075	
Gorleston	497	72408	66022	31112	7097/	09806	87360		
Aberporth	502	72120	80016	30512	754//	09807	81710	85620	87640
Filton	628	72515	82032	33112	785/2	08807	81820	87650	
Rhoose	715	72414	81012	32813	38431	09807	81812	83631	87075
Hartland Point	703	72622	74022	32112	21531	09810	82820	83360	86075
Mount Batten	827	72317	65028	34613	783//	11805	81707	83818	87630
St.Mawgan	817	71911	82026	34112	744//	08810	81812	85625	87630
Scilly	804	72213	81028	34313	755//	09806	87628		
Culdrose	809	82213	75022	34412	884//	11807	82710	88622	
Guernsey	894	72214	87022	36312	784//	07805	81818	86635	
Elmdon	534	72213	75022	30812	48416	08810	83815	87272	
Cardington	559	72415	70042	31714	38545	08809	82820	87077	
Wittering	462	72316	83022	30312	15678	08812	81640	85465	87272
Watnall	354	72314	65025	29412	784//	08807	81815	87619	
Shawbury	414	72318	82022	29112	58408	10810	82815	84635	87270
Finningley	360	72219	68012	27613	28432	09811	81818	87075	
Spurn Point	396	62318	63022	28112	25676	09710	82640	83360	86275
Leeming	257	72211	58506	25313	753//	12711	81709	86615	87624
Tynemouth	262	80000	32636	24309	8097/	09824	88558		
Carlisle	222	82006	40506	23709	852//	09716	83705	86708	88618
Valley	302	82327	65606	27513	873//	12805	88706		
Ringway	334	72216	62586	28112	753/2	11809	81707	83620	87650
Squires Gate	318	82319	62606	26712	853//	12808	87707	88615	
Ronaldsway	204	72413	64606	25312	5533/	11001	81706	83714	87359
Mull of Galloway	131	92107	02515	24609	9////	09705	89///		
Eskdalemuir	162	82010	35586	23208	871//	08718	86702	88706	
Prestwick	135	80000	45046	22909	7542/	08615	82712	87614	
Abbotsinch	140	82306	62046	22608	853//	07810	85708	88616	
Leuchars	171	72407	70021	22407	3544/	05811	81715	83656	86362
Dyce	091	71912	83021	20207	15772	03819	81650	85362	85075
Lerwick	005	52425	82259	13906	29463	51209	82910		
Wick	075	72115	78602	18705	35432	03802	82715	83640	85360
Sule Skerry	010	82524	75258	16207	3346/	03804	83915	88358	
Cape Wrath	049	82821	66618	17005	874//	05602	88715		
Stornoway	026	82610	65618	18405	854//	04701	82712	88620	
Benbecula	022	82820	65616	19506	6542/	05506	83711	84616	85635
Tiree	100	71918	75158	19709	68432	09719	82712	85640	
Aldergrove	917	82009	62586	23311	871//	10809	82702	84704	88706
Malin	980	72214	80216	21710	7747/	09710	85715	87459	
Belmullet	976	83013	50506	23410	864//	08500	86715	88630	
Birr	965	81909	60606	25213	7647/	12813	85710	86632	88458
Dublin	969	72315	80026	25214	764//	11710	82710	84715	87630
Shannon	962	82215	65505	25614	864//	12812	82710	86715	88625
Roches Point	952	82022	60206	29212	862//	11803	84704	88720	
Valentia	953	82122	62206	27013	863//	13809	85709	88714	

OBSERVATIONS at 18h. 23 November 1978

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	72411	80026	31811	756//	08704	87634		
862	72209	75018	32612	785//	09603	83820	85630	86650
797	82209	80032	32311	884//	09305	82815	88630	
776	72311	80026	32311	755//	09801	81625	87643	
775	32309	70011	31212	18501	08803	81822	83078	
772	62209	75012	31012	54501	09801	81622	85646	
586	62010	82012	29510	35702	06802	83650	85075	
590	72010	80012	30309	15602	06000	81640	87075	
497	02212	66011	29011	00900	07805			
502	72118	70025	27711	755//	09713	87622		
628	72410	80022	30812	755//	08708	82628	87645	
715	72513	80012	30612	756//	08607	87640		
703	82722	74032	30012	885//	09603	82825	88635	
827	72319	80012	32313	784//	09805	83713	85823	87650
817	72012	80022	32111	784//	09605	81812	87620	
804	82309	80032	32013	855//	10806	88628		
809	82313	64022	32412	884//	10704	81818	84622	88640
894	71909	70031	34211	784//	06603	82818	86650	
534	72108	75022	28712	754//	07606	81615	87620	
559	52214	68022	29610	15632	07706	81630	85075	
462	32312	80011	28410	15501	07606	81622	83075	
354	82313	68036	26911	854//	07806	88618		
414	72214	81032	26911	754//	09709	81616	83618	86622
360	72116	72026	25312	754//	09607	87618		
396	52214	62022	25711	4567/	09708	84640	85360	
257	82218	65025	22313	854//	10715	83616	88624	
262	82007	39616	21211	8052/	10713	88525		
222	82511	58636	21012	853//	11609	82708	83712	88617
302	82230	62606	24013	874//	12818	84710	88712	
334	72218	75026	25511	755//	09710	85620	87645	
318	82224	59616	23912	853//	11710	84707	87711	88618
204	82511	30596	22511	871//	11503	82702	84704	88707
131	82810	70636	21810	874//	10302	88710		
162	82309	30616	19909	854//	07813	85712	88635	
135	82816	40596	20610	852//	10505	82705	85707	87632
140	82711	65636	20110	5542/	08500	81710	85640	88460
171	72414	57046	18208	25572	06713	82620	86360	
091	83106	70031	17807	7557/	05503	82620	84623	87630
005	22617	82018	13405	29400	50102	81910		
075	72715	81026	17103	4843/	02602	82816	84640	86360
010	72914	75808	15706	734//	05205	84915	87620	
049	52720	75807	16306	53400	04304	85915		
026	32609	82018	18203	23430	01208	82916		
022	42510	70258	19805	48400	03209	83816	83621	
100	82812	80038	21007	5552/	04209	81620	85637	88460
917	83211	70616	22908	7522/	07306	81705	84707	86622
980	83013	68606	22608	6647/	05113	86712	88459	
976	82809	62215	24408	854//	05104	83718	88635	
965	83412	50616	24309	873//	08308	88709		
969	82708	50615	22811	862//	11000	84705	84709	88719
962	83312	60605	25010	863//	09312	81708	85712	88630
952	82126	56586	25912	863//	11713	88706		
953	83506	56216	25411	864//	10103	88715		

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97131	026	jp	r_o
862	92131	000	pr_opr	jp
797	00141	022	+	+
776	91131	021	+	r_or_o
775	00141	023	+	+
772	00150	027	+	+
586	00131	027	+	+
590	00130	037	+	+
497		006		
502	97121	002	+	id_o
628	00130	032	+	+
715	00141	034	+	+
703	00120	028		
827	92131	000	$prpr_o$	+
817	97131	000	d_o	+
804	00130	000	+	+
809	00120	000	+	+
894	00130	038	+	+
534	00131	007	+	+
559	00141	051	+	+
462	00131	013	+	+
354	97121	000	d_oir_o	+
414	00131	004	jp	jp
360	97131	002	r_o	+
396			+	+
257	91141	017	id_o	id_o
262	05112	000	rr	r_or_o
222	14122	000	$d_or_orrdrir_o$	$r_or_orrRr_or$
302	02131	000	id_oir_o	ir_orr
334	93121	001	d_or_o	d_or_o
318	03132	000	$r_od_or_odr$	$r_od_or_odrrR$
204	06131	000	ir_odr	$rdrdrr_or_o$
131	10112			
162	16102	000	$rrr_or_od_or_odr$	rrr_oir
135	09101	000	$rd_or_or_or_o$	r_odrr
140	01101	000	r_or_o	r_or
171	97091	001	+	r_o
091	97091	018	+	r_o
005	01071	017	ph_opr_o	pr_o
075	01061	000	r_or_o	$r_or_oir_o$
010	02081			
049	05062	000	$r_or_opr_os_o$	$r_os_ophr_o$
026	03051	000	$r_or_orrpr_o$	$pr_opr_os_o$
022	03071	000	$r_or_oir_opr_o$	pr_o
100	01101	002	$prpr_oir_o$	pr_oir_o
917	09112	000	d_or_o—r_or_orR	$rRr_or_orr_o$
980	0111	000		
976	0111	000		
965	0913	000		
969	0214	000		
962	0214	000		
952	9313	000		
953	0813	000		

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

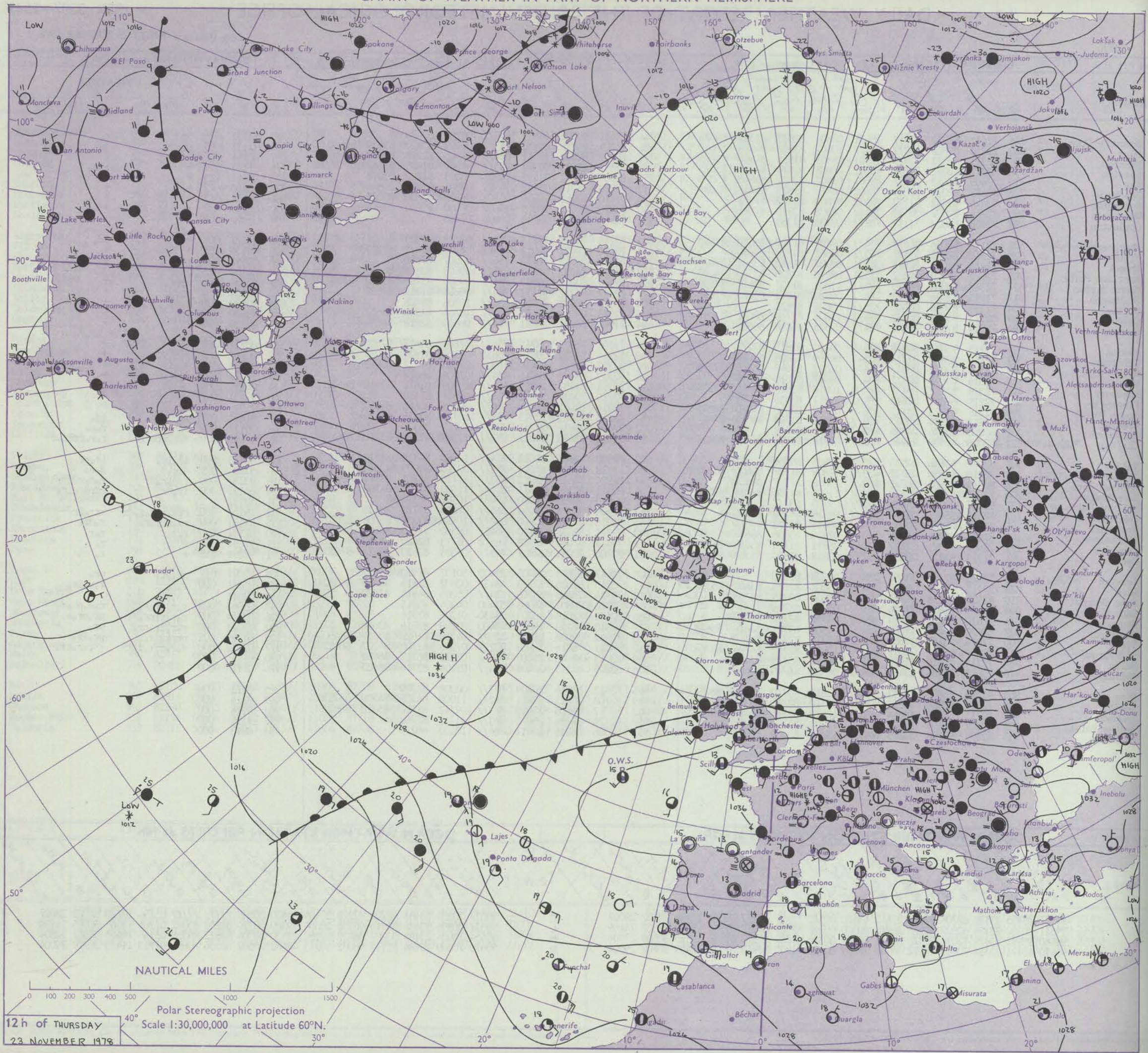
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	23121	62708	97278	27602	63400	00312	/////	/////	06054	10788	30302	28007
L	99571	70200	23124	42922	98278	20702	49300	00318	82707	84912	0//02	11099	31007	24109
M	99660	10013	23124	72818	97878	03401	69461	00303	81710	82912	0//56	10675	30504	27906
R	99470	70171	23124	72113	98012	32214	786//	00002	81840	87656	0//13	11459	30702	29004

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	23181	62709	97278	28404	53400	00005	/////	/////	05754	10770	30302	28007
L	99571	70196	23184	52815	98258	20804	59300	00310	82708	85912	0//01	11065	30905	24109
M	99654	10024	23184	53207	98022	02902	22430	00304	82812	84358	0//56	10685	30201	32804
R	99470	70169	23184	72117	98032	30713	48602	00502	82836	83656	0//13	11478	30702	29004

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

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of 23 NOVEMBER 1978

00h of 24 NOVEMBER 1978

06h of 24 NOVEMBER 1978

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 24 NOVEMBER 1978

During the past 24 hours pressure remained low between Iceland and northern Scandinavia and high over Europe. Because of waves moving eastwards along it, a cold front lying across Northern Ireland and southern Scotland moved only slowly southwards to lie from Wales to the Humber by this morning.

During the next 24 hours the low pressure area to the north of the British Isles will fill slowly, whilst the anticyclone over Europe drift southwards. The cold front from Wales to the Humber will move slowly southwards across southern England with a cooler northwest airstream becoming established over all areas by tomorrow.

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

Code FM 11.V

OBSERVATIONS at 00h. 24 November 1978

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	82213	70022	29310	854//	09717	84618	86632	88650
Hurn	862	82209	80012	30012	885//	08816	81820	83645	88656
Manston	797	72213	80022	29711	756//	08712	87638		
Gatwick	776	82214	80032	30011	854//	08714	84615	88640	
Kew									
Heathrow	772	72113	75022	28612	756//	08715	87645		
Honington	586	62112	80032	26809	35602	07717	83630	86075	
Wattisham	590	42211	60021	27708	00902	07718	84075		
Gorleston	497	02214	66020	26510	00900	07715			
Aberporth	502	82120	65616	24811	874//	10713	88710		
Filton	628	82410	80022	28211	856//	08815	88636		
Rhoose	715	82313	80022	27911	853//	08714	81709	88630	
Hartland Point	703	62623	74012	27512	656//	09716	86634		
Mount Batten	827	82221	75022	30012	884//	10713	82710	88643	
St.Mawgan	817	81911	80022	29511	854//	09717	81612	88626	
Scilly	804	62314	80012	29913	656//	08711	86646		
Culdrose	809	82213	65022	29912	885//	10714	81820	88625	
Guernsey	894	12011	66011	32009	18400	06812	81814		
Elmdon	534	72116	68022	25310	554/6	08619	81612	85625	87275
Cardington	559	52115	70011	26710	25602	08818	82641	84075	
Wittering	462	72317	80031	25210	15502	07820	81625	87075	
Watnall	354	82113	70022	24011	855//	08715	88620		
Shawbury	414	82116	80602	23712	854//	09616	83618	88620	
Finningley	360	82113	70022	22311	2557/	09715	82620	88362	
Spurn Point	396	82316	61021	23211	8097/	09711	88360		
Leeming	257	80000	50615	21410	856//	09802	88634		
Tynemouth	262	82906	61616	21208	8052/	07305	88525		
Carlisle	222	82502	65216	21707	854//	07103	81712	86636	88650
Valley	302	83405	56636	23510	852//	09101	81705	84708	88618
Ringway	334	82214	50586	22911	854//	10712	84712	88616	
Squires Gate	318	83311	56636	22809	854//	08103	84711	88616	
Ronaldsway	204	83006	62636	23207	3542/	06102	81710	83618	88550
Mull of Galloway	131	83215	80026	23107	864//	05101	88715		
Eskdalemuir	162	82905	70026	21705	4567/	03107	84646	88360	
Prestwick	135	83306	80026	21907	6542/	05302	81714	86622	88460
Abbotsinch	140	82608	81026	21306	1547/	04103	81618	88360	
Leuchars	171	62207	82012	20305	35632	02111	83640	84360	86070
Dyce	091	62404	82036	19403	10931	02106	81362	85075	
Lerwick	005	22713	75258	13603	28400	50004	81815		
Wick	075	32812	80251	17801	39400	00002	81914		
Sule Skerry	010	32913	82038	16206	39400	03104	83915		
Cape Wrath	049	52315	66908	17103	59400	03205	85915		
Stornoway	026	12305	82028	18301	18400	00803	81818		
Benbecula	022	22817	82028	19805	22400	01802	82816		
Tiree	100	62710	81018	20906	685//	01806	81820	86647	
Aldergrove	917	82603	80026	23806	2562/	05000	82630	88459	
Malin	980	83112	75216	22607	4562/	03502	84630	88458	
Belmullet	976	82807	64606	23807	864//	04705	85717	88637	
Birr	965	83302	40616	24707	862//	06701	84704	88710	
Dublin	969	83303	59616	23607	5632/	06804	83706	83710	88556
Shannon	962	80206	58615	24507	5622/	07709	82705	85712	88525
Roches Point	952	82215	60206	24212	863//	11809	83708	88712	
Valentia	953	80909	60626	22510	864//	09717	88712		

OBSERVATIONS at 06h. 24 November 1978

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	72110	75022	26010	755//	08617	87624		
862	82309	75012	26512	885//	09617	81820	88650	
797	72114	75022	26110	756//	08718	87638		
776	82211	64026	26511	854//	09616	82614	88636	
775	62210	68031	25311	656//	08615	86640		
772	52109	81031	25111	55600	09515	85640		
586	72115	75031	23110	55732	07617	85650	86075	
590	52113	60011	24009	35602	07618	83640	83075	
497	52216	66021	22811	50970	07717	85360		
502	72122	62026	21211	754//	11721	85712	87620	
628	72414	80032	24611	756//	08714	87640		
715	62415	81012	24211	654//	08618	82616	86650	
703	82623	74032	23512	855//	09716	88623		
827	82420	60052	26413	853//	10717	82706	84711	88650
817	82012	70022	25911	853//	08616	82709	88628	
804	82313	75022	26312	856//	10718	88638		
809	82311	68022	26712	853//	10614	82708	88622	
894	32212	75030	28709	35400	06614	83615		
534	82115	68606	21811	854//	08618	85614	88635	
559	82315	65022	23411	857//	07616	81650	88656	
462	72214	80012	21610	15536	07617	81620	87275	
354	82214	70605	19911	854//	09718	88612		
414	82803	63046	20310	853//	09612	82707	84709	88615
360	83007	20586	19909	872//	09608	85703	86706	88710
396	82606	59022	19611	854//	09716	85715	88625	
257	83405	60636	21207	854//	06501	81710	88622	
262	82707	81606	20607	8092/	03400	88459		
222	82502	50616	20506	854//	05707	83710	85620	88627
302	83607	56636	22307	6732/	06301	81707	86711	88540
334	83106	35586	21008	872//	07505	81703	85705	88710
318	83507	60636	21807	854//	06502	82615	88625	
204	83107	62636	22206	5532/	04503	81706	85628	88550
131	82911	82506	21206	4532/	05609	81708	83620	88458
162	80000	65616	20804	856//	03503	88635		
135	82909	75022	20407	7547/	03507	81714	83618	86645
140	72202	81016	20305	65632	02505	81645	86656	
171	72305	80022	20103	25632	02301	82630	84360	87070
091	20000	84011	18700	00901	51801	82072		
005	32812	84028	12303	32400	51606	83812		
075	22609	80018	17050	29430	52802	82915		
010	32509	80018	15403	39400	03601	83915		
049	42312	81898	16302	23470	02500	82915	84360	
026	12505	82028	17401	18400	01704	81818		
022	32814	81038	18605	38400	01707	81815	83645	
100	72509	81251	19705	784//	02606	82818	86632	
917	82008	70616	22405	853//	05504	83706	85709	88630
980	72719	75806	21107	784//	03504	85817	85635	
976	42715	70806	23208	435//	01500	83920	83640	
965	60000	62016	23805	656//	04500	86630		
969	80000	70616	22706	3542/	05702	81710	83650	88459
962	72903	80606	25106	754//	06311	82715	85630	87656
952	83226	70026	23408	854//	07320	83711	88637	
953	73610	70016	25608	754//	06331	83718	86640	

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T_gT_g	WEATHER 21h.—03h.	WEATHER 03h.—09h.
746	00091	08	+	+
862	97111	11	+	pr$_o$
797	00101	08	+	+
776	97101	09	r$_o$	d$_o$
775	00111	07	+	+
772	00110	09	+	+
586	00091	07	+	+
590	00070	06	+	+
497				
502	09072	07	ir$_o$r$_o$r$_o$	ir$_o$r$_o$r$_o$RRrr
628	00110	09	+	+
715	00111	09	+	+
703	97120	10		
827	00121	11	+	+
817	00111	09	+	+
804	00120	11	+	+
809	00110	07	+	+
894	00090	06	+	+
534	91101	08	r$_o$	r$_o$ir$_o$rr$_o$r$_o$
559	00100	07	+	+
462	97091	07	+	r$_o$
354	04071	07	d$_o$r$_o$	d$_o$—r$_o$Rrr
414	05071	06	r$_o$r$_o$d$_o$d$_o$	d$_o$d$_o$r$_o$Rrr
360	06061	06	r$_o$d$_o$r$_o$	d$_o$r$_o$drr
396		+		ir$_o$r$_o$r$_o$
257	10062	05	d$_o$d$_o$r$_o$rr$_o$r$_o$	r$_o$r$_o$rr
262	03062	04	r$_o$r$_o$	r$_o$r$_o$
222	02052	04	rr$_o$r$_o$—r$_o$	r$_o$r$_o$
302	15061	06	rr	rr
334	05062	05	r$_o$d$_o$r$_o$dr	drrd$_o$r$_o$d$_o$r$_o$r
318	11061	05	rrRd$_o$r$_o$r$_o$	rrr$_o$
204	09051	04	rrr$_o$R	Rrrr$_o$
131	01051			
162	01031	01	irir$_o$	r$_o$r$_o$
135	91051	04	ir$_o$	ir$_o$
140	97031	51	+	ir$_o$
171	00021	51	+	+
091	97503	57	r$_o$	+
005	02021	51	ph$_o$r$_o$pr$_o$	pr$_o$s$_o$phrph$_o$
075	92513	53	pr$_o$	pr$_o$
010	01021	01		
049	03022	01	pr$_o$s$_o$	pr$_o$s$_o$ph$_o$r$_o$
026	01003	52	pr$_o$	prsph$_o$
022	01041	01	pr$_o$	prphr
100	04036	01	pr$_o$	pr$_o$phrpH
917	01042	03	r$_o$	r$_o$r
980	0304	01		
976	9105	04		
965	1004	02		
969	1405	03		
962	1305	02		
952	0606	05		
953	0605	02		

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	24001	62915	97278	30803	63400	00318	/////	/////	05853	10754	3//05	28/07
L	99571	70196	24004	22532	98258	21206	19400	61204	81912	/////	0//02	11041	30908	30007
M	99654	10026	24004	53103	98031	03402	35504	00003	83625	/////	0//55	10670	30201	32803
R	99470	70168	24004	72218	97038	29514	785//	00809	81830	87645	0//13	11467	30704	29004

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	24061	32811	98018	33403	33400	00215	/////	/////	05852	10757	3//04	28/07
L	99571	70202	24064	72923	97278	20005	763//	00612	87709	/////	0//04	11090	30908	30007
M	99654	10027	24064	13612	98011	02702	15500	00301	81620	/////	0//53	10698	30202	32803
R	99471	70166	24064	73412	97018	29813	785//	00313	82820	87640	0//11	11451	30000	21704

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. 42737

Date of Issue SATURDAY 25 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 24 November 1978

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	72319	72022	22913	684/2	09819	83817	85650	86075
Hurn	862	72312	70018	24013	784//	09716	82818	83625	87640
Manston	797	62217	68031	23212	58442	09821	82814	84640	
Gatwick	776	82314	65036	23911	884//	10817	81812	85615	88645
Kew	775	72213	70036	22513	784//	08822	81818	87645	
Heathrow	772	72213	70021	22213	785//	09721	82820	83640	87650
Honington	586	72216	72022	20612	754//	08817	85616	87650	
Wattisham	590	82316	65032	21212	854//	08719	82616	88645	
Gorleston	497	72317	66022	20113	755//	09715	87625		
Aberporth	502	73511	89216	23008	783//	06012	81708	86815	87628
Filton	628	82311	70602	21812	854//	09819	83618	85625	88640
Rhoose	715	82517	57632	21311	852//	10817	84705	85615	88640
Hartland Point	703	73412	80218	23410	5847/	09312	83815	85630	87360
Mount Batten	827	72320	62052	23913	68478	11817	82710	85812	
St.Mawgan	817	82912	18596	24310	870//	09611	82701	85702	88703
Scilly	804	83308	28506	25311	873//	10704	88709		
Culdrose	809	82514	56606	24612	853//	11812	83706	88625	
Guernsey	894	72315	75021	26311	784//	08817	81811	83620	87632
Elmdon	534	83409	56636	21408	852//	07301	82703	84706	88611
Cardington	559	72315	70022	20513	6557/	09819	82620	86630	87360
Wittering	462	83613	32596	20307	871//	06507	84702	86704	88706
Watnall	354	80105	40636	21506	6522/	05003	85704	88550	
Shawbury	414	73506	57216	21906	6837/	05500	81709	86638	87358
Finningley	360	83405	62586	21106	853//	05802	84707	88615	
Spurn Point	396	83113	64606	21207	4642/	06500	82715	88459	
Leeming	257	71902	82216	21107	6547/	05806	81712	86657	
Tynemouth	262	72506	66026	20406	2563/	03606	82630	87358	
Carlisle	222	82602	64616	20906	7847/	05707	82710	86645	
Valley	302	73010	82026	22709	784//	07805	83818	85645	
Ringway	334	70103	57216	21706	3837/	05803	81708	87358	
Squires Gate	318	70000	65016	21807	5843/	06806	82710	83645	87360
Ronaldsway	204	72912	88036	21908	785//	04704	82822	86656	
Mull of Galloway	131	43215	83015	21407	42500	03806	84820		
Eskdalemuir	162	62504	82016	20304	4843/	03706	82818	84645	85361
Prestwick	135	72614	75808	20406	784//	03804	81710	83818	86650
Abbotsinch	140	73002	82021	20305	784//	03802	81818	87650	
Leuchars	171	52406	82031	19505	28432	01805	81815	83359	
Dyce	091	32404	85030	18305	15750	00806	81650	83360	
Lerwick	005	42616	82038	12405	49401	51801	82910		
Wick	075	42507	75268	17301	39463	00802	82915		
Sule Skerry	010	62812	81151	15107	694//	05802	84915	83820	
Cape Wrath	049	42317	80898	16204	39470	00005	83915	84360	
Stornoway	026	32207	75278	17503	39400	01001	82914		
Benbecula	022	32719	82158	18706	39460	00804	81914		
Tiree	100	42811	89158	20105	43400	01000	81915	83820	
Aldergrove	917	52706	80016	22606	48330	04002	81709	83630	
Malin	980	53113	82038	21607	534//	02003	85918		
Belmullet	976	62910	82028	24307	43432	01110	81717	83820	81920
Birr	965	73206	81258	25206	22502	04008	82820	86070	
Dublin	969	52613	82036	23707	584//	05305	82714	83820	
Shannon	962	73011	82806	25808	43502	03206	83920	86070	
Roches Point	952	32908	80031	25708	28402	05005	81818		
Valentia	953	63210	82038	27010	68500	03109	85825	83650	

OBSERVATIONS at 18h. 24 November 1978

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
746	73311	74016	22507	753//	05215	82708	84630	87656
862	73407	65026	22209	754//	07308	85616	86631	
797	82114	65602	19911	853//	09713	81708	88640	
776	82510	65212	20511	854//	10509	82712	84622	88650
775	83507	65216	21308	853//	07311	83707	84712	88621
772	83109	65216	21109	852//	07312	81705	86707	88622
586	73107	60026	20307	752//	06109	84704	85711	87634
590	83610	40616	20107	852//	07211	82704	85709	88616
497	83305	62216	19408	864//	06103	88710		
502	63011	82252	23307	5843/	02204	81816	85635	
628	20000	58026	23606	28400	04213	81818		
715	33206	80036	23206	28431	04010	81818		
703	43508	89011	23509	42600	05303	84830		
827	73511	70026	23709	3847/	07305	81815	83645	86359
817	63411	82258	24409	62400	06307	86816		
804	30113	80026	24808	35500	06002	83620		
809	23511	70016	24509	28400	06207	81818		
894	82419	70586	22912	884//	10709	84710	86645	
534	12703	58106	22304	16430	03209	81712		
559	73305	59106	21606	757//	06212	87650		
462	33107	56106	21304	00901	04207	83075		
354	72705	50806	21505	785//	04204	81825	87635	
414	42302	66031	22405	38432	04305	81816	83650	
360	72105	57606	20506	5547/	05701	85618	87360	
396	32810	63016	20506	20971	04204	82360		
257	22902	60011	20305	28500	03102	81820		
262	52810	69028	19605	40938	03400	84358		
222	62705	80028	20503	28432	02305	81818	85070	
302	33110	82018	22907	38500	03204	82822		
334	52403	58016	21705	58500	05205	81820	84640	
318	53411	70258	21507	38532	05204	82822	83635	
204	53009	86018	22406	32502	01308	83826	83075	
131	63510	84158	22004	634//	02106	86918		
162	20000	80018	20401	18402	51302	81818		
135	61803	75028	20703	38442	02701	81818	83648	85070
140	73102	81038	20303	19402	01301	81914	87075	
171	12508	86011	18903	15600	00201	81645		
091	62708	82011	17502	15602	51000	81640	86070	
005	72416	65878	11702	793//	50501	85908		
075	72617	75800	15801	794//	50500	83914	86636	
010	63221	74278	13807	49403	03501	84915	86070	
049	62917	70898	14105	4946/	02708	84915	86360	
026	73014	58878	16503	794//	50506	82711	87914	
022	62511	75158	17006	59402	01607	81914	84630	
100	52109	89028	18804	49402	02707	81917	83825	
917	12605	82011	22602	14441	01001	81713		
980	42217	84038	20505	39403	02712	83818	81918	
976	72715	70808	22405	735//	02710	86920	~~81920~~	
965	12403	81011	24602	15600	01704	81633		
969	12705	80018	23803	12502	02302	81820		
962	22707	86038	25305	18502	02601	81820		
952	72810	80021	26207	38402	02207	81818	83640	87070
953	72709	80818	27306	725//	04310	87822		

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	94131	002	r_or_o	r_o
862	93141	002	r_o	r_or
797	03131	025	+	$ir_orRr_or_o$
776	01121	001	d_o–d_or_o	r_or
775	01141	001	r_o	r_orR
772	96141	000	r_o	r_or_odr
586	04131	002	r_orr	rr_o
590	04121	000	r_or_o	r_or_orr
497		000		
502	02081	005	rr–rdr_or_o	pr_o
628	02121	000	r_or	+
715	01121	022	r_orr_o	+
703	03130	007		
827	03131	000	r_oRrr_o	+
817	04131	000	$r_orRdrpr_o$	pr_o
804	04131	000	irr_oid	$idrrir_o$
809	04131	004	$ir_or_or_o$	ir_o
894	04121	001	ir_o	$d_or_oirr_or_o$
534	07111	000	$r_or_orRrrr_o$	+
559	04131	000	r_orr	rrr_or_o
462	04111	004	rrd_or_or	d_or_o
354	06071	000	$rrRd_or_o$	pr_o
414	03071	012	rrr_o	+
360	03071	001	$rrd_or_od_or_o$–r_o	r_o
396			ir_o	ir_o
257	92081	008	r_or_o	+
262	92071	008	pr_o	+
222	01071	007	$r_or_orr_opr_opr$	+
302	97091	018	ir_opr_o	+
334	02071	002	rrr_or_o	r_opr_o
318	05081	007	r_oir_oRr	pr_opr
204	97081	021	pr_o	jp
131	01081			
162	01051	005	pr_o	pr_o
135	94061	007	pr_o	pr_o
140	91063	007	pr_o	+
171	00051	033	+	+
091	00053	028	jp	+
005	01051	022	ph_opr_o	ph_opr_o
075	91033	047	$pr_opr_os_o$	$pr_oph_or_o$
010	96071			
049	02062	015	ph_or_o	ph_or_o
026	03041	026	ph_or_o	$ph_or_opr_os_o$
022	01092	037	pr_o	pr
100	92061	034	ph_opr_o	+
917	00071	047	+	+
980	0307	029		
976	0208	012		
965	9707	028		
969	9307	040		
962	9308	021		
952	0009	032		
953	0110	009		

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

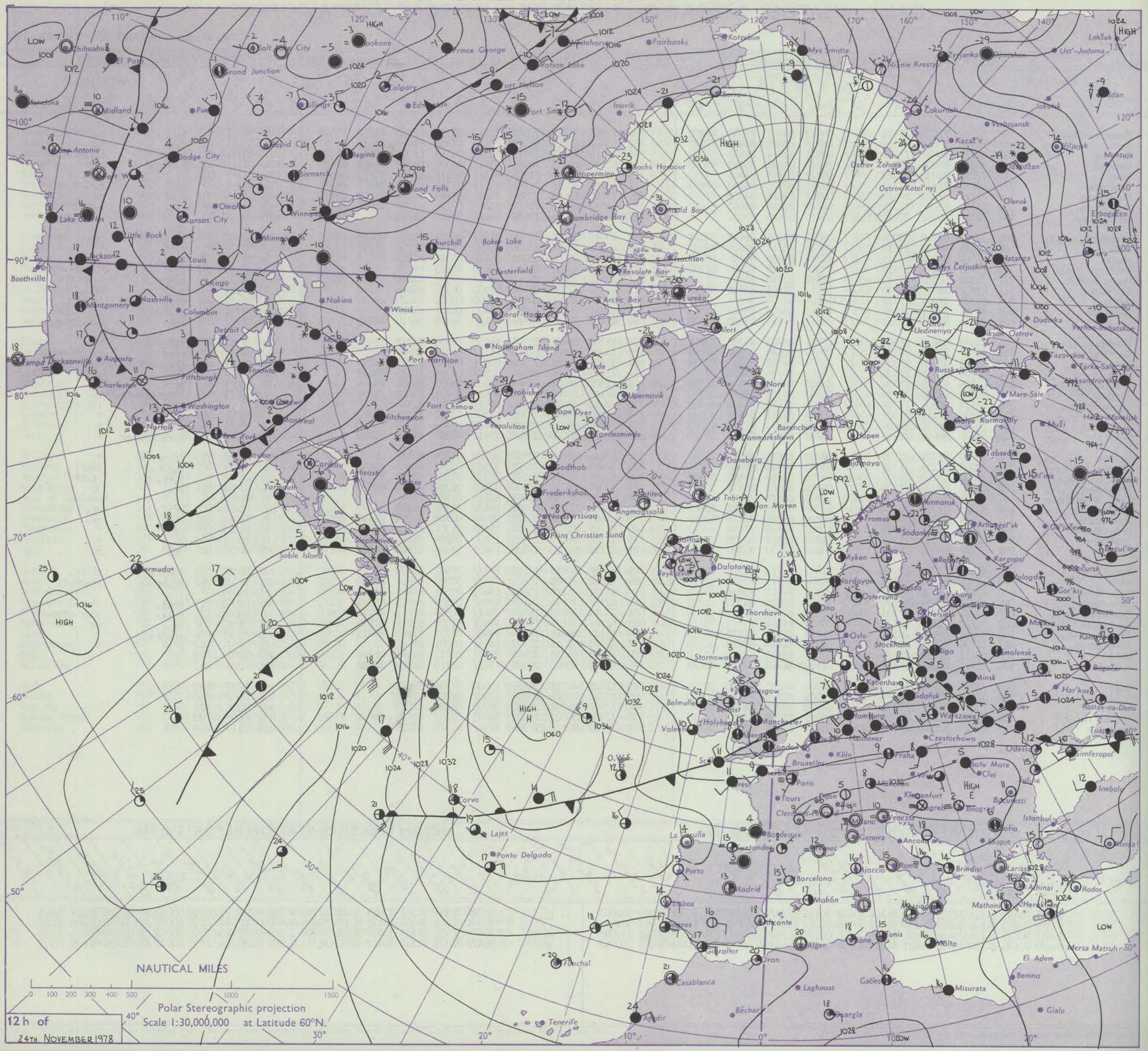
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	24121	72709	97258	36304	63402	00116	/////	/////	05750	10784	30302	28906
	99571	70200	24124	42928	98156	21405	39403	00013	83913	/////	0//02	11080	30907	35105
	99651	10031	24124	73408	97871	04702	79400	00308	81915	85818	0//54	10686	30201	31906
	99470	70170	24124	43425	98031	34212	45600	00128	84640	/////	0//07	11471	30304	29004

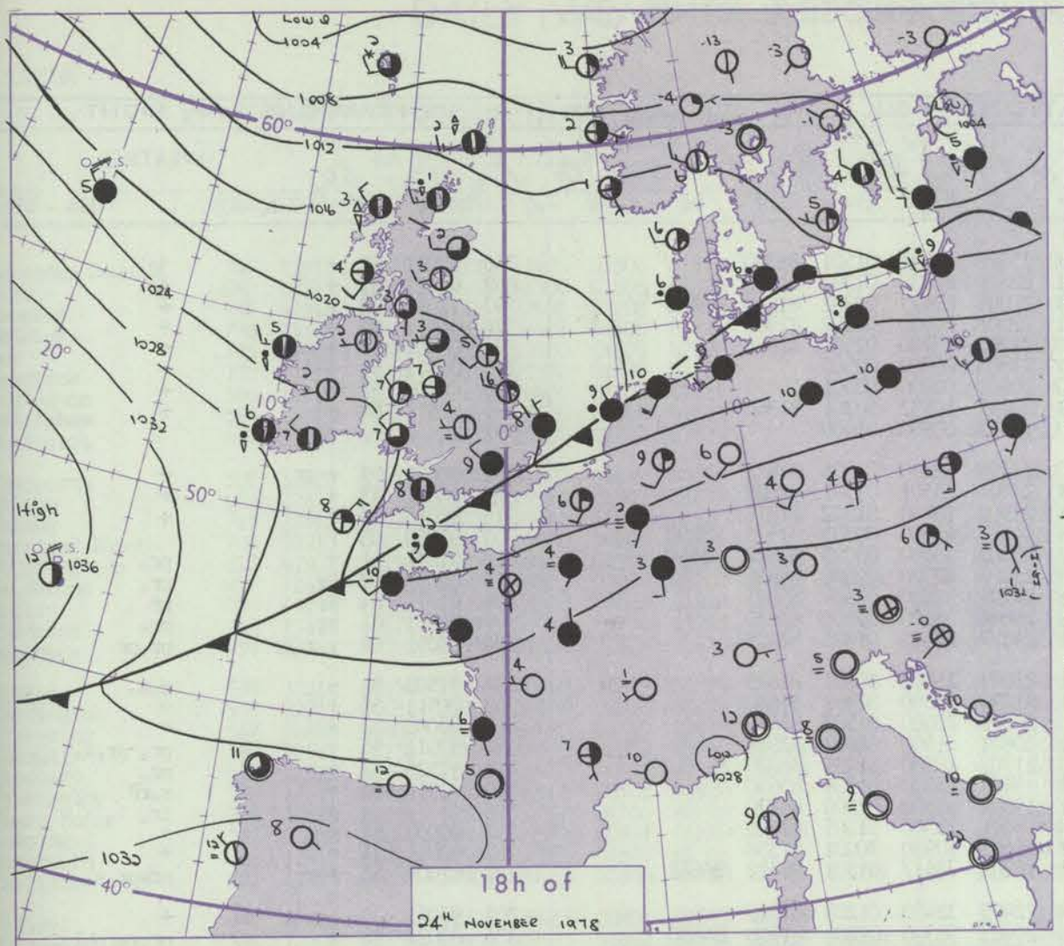
OCEAN WEATHER STATION REPORTS at 18h.

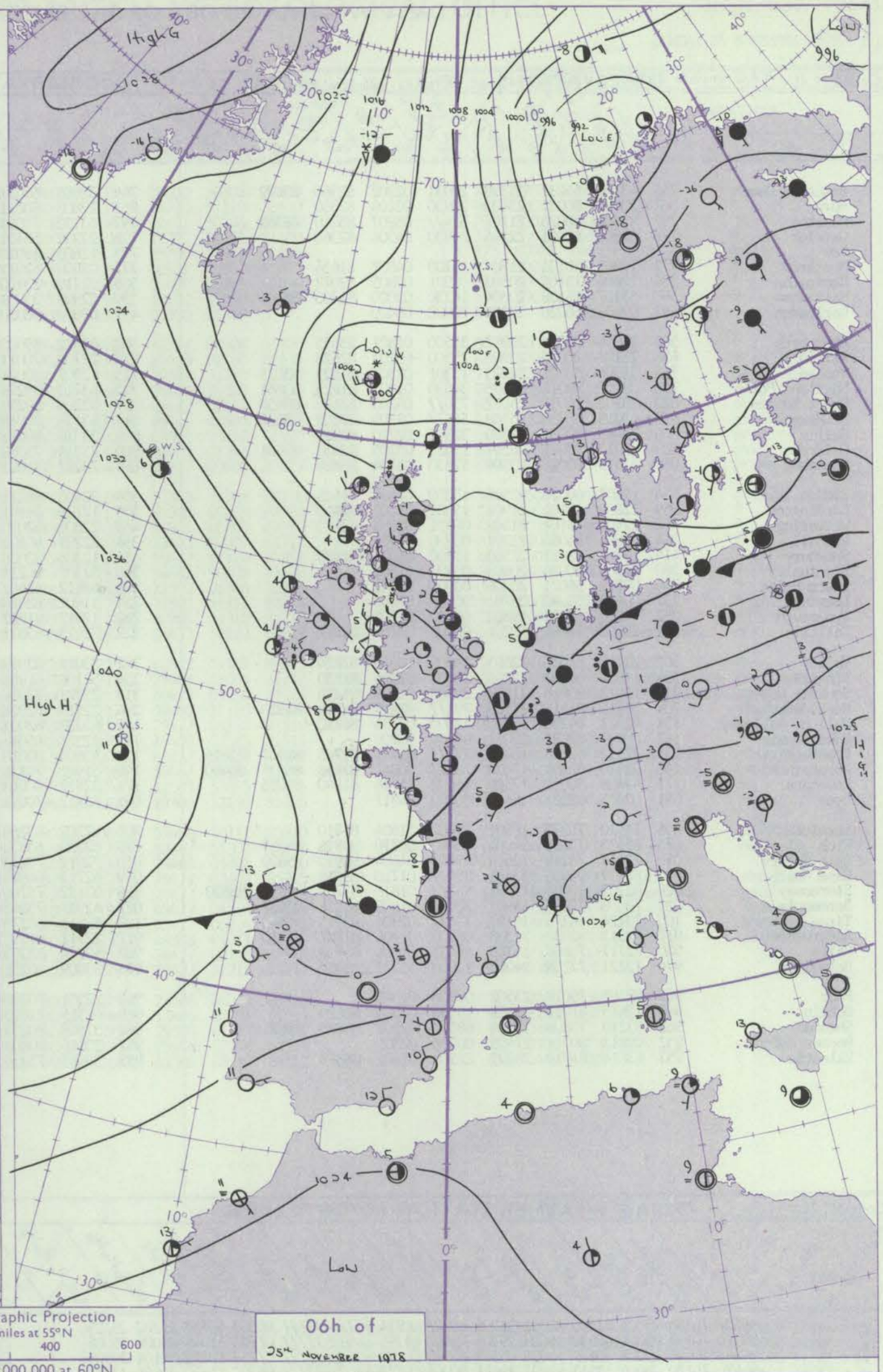
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	24181	82605	98028	37205	4455/	00101	/////	/////	05500	10760	30201	28806
	99571	70199	24184	43123	98278	22805	49400	00313	84912	/////	0//03	11060	31008	25207
	99644	10038	24184	33407	98028	04703	35500	00105	83620	/////	0//57	10780	30201	30905
	99471	70171	24184	43422	98011	36311	42500	00215	84820	/////	0//05	11439	30606	/////

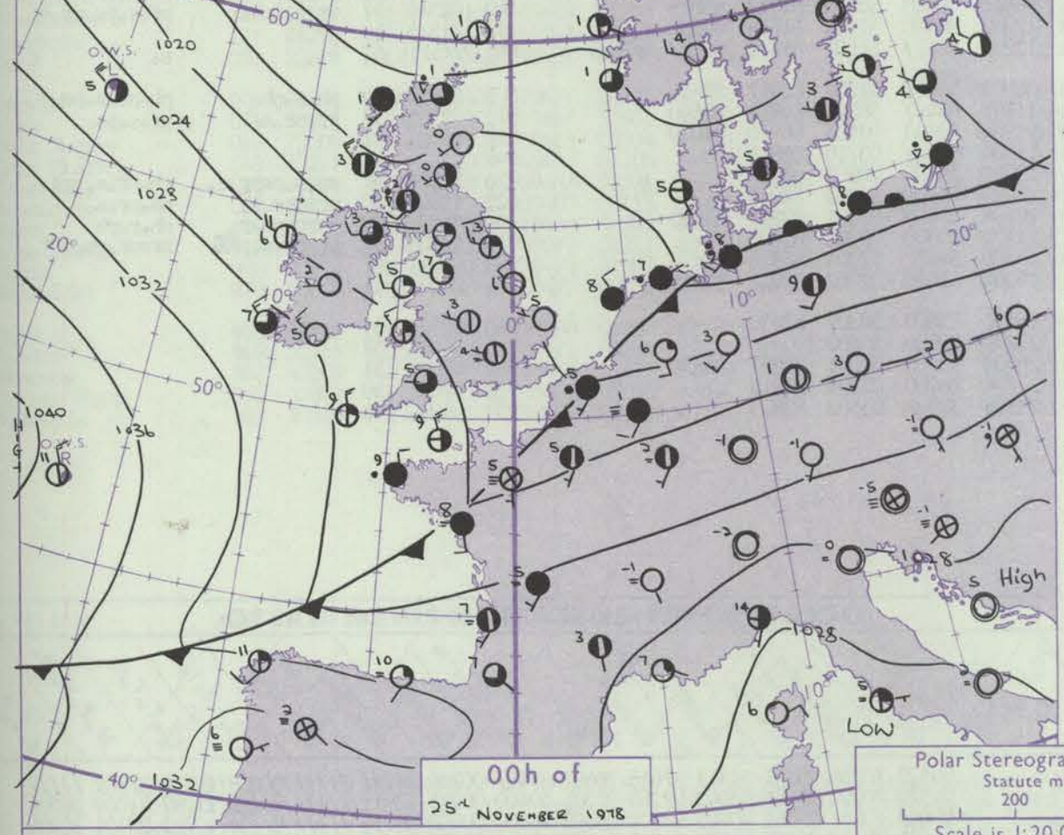
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 midd SATURDAY 25 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours the area of low pressure from Iceland to Norway has persisted, whilst the European high has extended a ridge to the Azores which has subsequently become the dominant anticyclonic centre. A waving cold front has slowly crossed England and Wales.

During the next 24 hours the Azores anticyclone is expected to move slowly southwards while a ridge swings round its northern side. The Iceland low is expected to slip away eastwards into the Baltic.

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

Code FM 11.V **OBSERVATIONS at 00h.** 25 November 1978

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	43106	65031	23303	20931	02202	82360	83072	
Hurn	862	23002	80031	23403	20930	02104	82360		
Manston	797	83314	80026	21107	3247/	05207	83810	88362	
Gatwick	776	22906	60011	22205	20930	04306	82360		
Kew									
Heathrow	772	12805	50101	21804	15700	04802	81656		
Honington	586	22606	15104	20503	00901	03805	82072		
Wattisham	590	53107	15106	20804	16230	03000	81705	85360	
Gorleston	497	02806	66026	20205	00900	05400			
Aberporth	502	33016	89011	23907	35500	01801	83625		
Filton	628	23107	70020	23905	25500	03102	82628		
Rhoose	715	32904	80031	24203	15501	02303	81625	83075	
Hartland Point	703	33207	89011	24608	38530	01303	81825	83641	
Mount Batten	827	73103	75031	25007	756//	04205	82630	87650	
St.Mawgan	817	63215	80038	25708	5857/	02305	83822	85630	
Scilly	804	33413	80031	27209	32500	02210	82825		
Culdrose	809	73213	70021	26207	2562/	03205	82632	87461	
Guernsey	894	53516	85026	23509	52530	05304	85820		
Elmdon	534	12807	68020	22503	15500	01400	81625		
Cardington	559	22806	40101	21901	15601	01602	81640		
Wittering	462	22908	48101	21502	00901	02503	82075		
Watnall	354	02604	56058	21801	00900	01101			
Shawbury	414	12708	78011	22503	15600	01000	81630		
Finningley	360	02808	60026	20603	00900	01502			
Spurn Point	396	03011	56021	20306	00900	03501			
Leeming	257	00603	58040	20701	00900	00400			
Tynemouth	262	02712	69021	19802	00900	01400			
Carlisle	222	22002	75031	20201	00902	00707	82072		
Valley	302	22710	82020	22605	28500	02808	82824		
Ringway	334	11904	58108	22203	15600	02804	81630		
Squires Gate	318	22812	80018	21407	28500	01804	81825		
Ronaldsway	204	72816	61911	21105	794//	02814	82713	87920	
Mull of Galloway	131	42521	84258	20405	42500	02706	84820		
Eskdalemuir	162	00000	82021	20051	00900	53709			
Prestwick	135	72112	62808	18402	792//	01815	81703	82907	85816
Abbotsinch	140	82410	62261	17603	7842/	00818	82818	86635	88460
Leuchars	171	42406	80030	17500	15602	51716	81640	84075	
Dyce	091	02305	82021	16100	00900	54811			
Lerwick	005	12410	70278	10501	19400	51604	81910		
Wick	075	62515	70808	14001	49460	00710	83915	84359	
Sule Skerry	010	72612	76278	12604	69403	04604	84910	85820	
Cape Wrath	049	82709	64908	13401	894//	01710	88915		
Stornoway	026	82205	60838	13501	883//	01818	83706	84814	88620
Benbecula	022	73008	70268	14901	784//	01608	84816	87637	
Tiree	100	73124	66278	16103	734//	02304	83915	86640	
Aldergrove	917	62512	82038	21303	66300	01706	82707	85710	
Malin	980	62717	70808	19104	59403	01004	85918		
Belmullet	976	12821	77258	24006	13500	52202	81922		
Birr	965	02505	75018	25502	00900	01003			
Dublin	969	12615	81017	23403	15500	02503	81620		
Shannon	962	63210	70808	27104	685//	02206	83820	85635	
Roches Point	952	02813	80011	27405	00900	02305			
Valentia	953	63014	81018	28807	62500	01106	86823		

OBSERVATIONS at 06h. 25 November 1978

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	32605	68031	23401	30931	01501	83360		
862	12803	80011	23701	10930	01302	81362		
797	63110	70031	21005	634//	03302	81810	86656	
776	22202	58101	22501	20930	01302	82362		
775	12603	68020	22103	15700	02500	81656		
772	02808	62011	21803	00900	02500			
586	02710	23100	20501	00900	00501			
590	22908	35051	20801	10932	50301	81360		
497	02810	58020	19302	00900	01400			
502	43022	89020	23706	42500	01305	84822		
628	22708	70011	23404	25501	02501	82628		
715	12907	80020	23902	18400	01302	81818		
703	43213	89278	24507	49500	00305	81925	83830	
827	33205	80258	25305	38500	03003	82820	83640	
817	43118	80018	25807	42500	01500	84826		
804	33318	80028	27708	32500	01307	83825		
809	23314	75038	26606	28500	02500	82820		
894	23217	85021	24207	22500	01305	82825		
534	22403	68231	21801	25600	50501	81635		
559	12706	58101	21750	15600	50302	81640		
462	22806	62030	20901	25600	01503	82630		
354	22205	40101	20601	21400	01802	82818		
414	12306	82028	21701	18500	51101	81820		
360	52307	60211	19402	55700	01704	85650		
396	62612	62601	19504	65500	02500	86620		
257	11402	62020	18401	15500	51505	81620		
262	12512	81021	16603	10930	70001	81358		
222	72613	65831	18202	784//	01501	81712	86641	
302	33016	82018	22405	32400	01203	83818		
334	52106	61898	20403	58300	02604	81708	84630	
318	22921	82018	19806	22500	00603	82825		
204	22919	82028	20405	22500	50501	82822		
131	43220	82031	19504	42500	01601	84820		
162	12508	65018	16801	12502	52605	81820		
135	43605	80018	17102	48400	00501	82812	83630	
140	51902	70158	16501	59400	50210	81912	83816	
171	32817	80018	12703	38400	51504	81818	83640	
091	82912	70031	12251	884//	51507	81818	85623	87628
005	62202	65268	08900	59403	51707	82912	83814	
075	62405	65838	11901	634//	50503	84912	83640	
010	72912	70278	11104	49403	03504	84910	87070	
049	62715	64898	11504	694//	03710	86915		
026	32412	75268	13601	39400	00303	83914		
022	42917	73268	15404	49400	50305	82914		
100	52816	80278	16404	59400	00301	82915	83820	
917	22711	81028	21202	26300	00502	82708		
980	53024	83269	19306	59400	52304	85918		
976	33009	80258	24004	33500	02002	83921	~~82921~~	
965	22501	70030	25501	25600	50301	82630		
969	02515	81020	23201	00900	50500			
962	32508	80258	26503	33500	02001	81921	83650	
952	23016	80808	27704	28400	02204	81818		
953	33603	75258	28504	32500	03503	83823		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00011	53	+	jp
862	00011	52	+	jp
797	97041	03	r_o	+
776	00511	54	+	+
775	00501	56	+	+
772	00011	51	+	+
586	00001	52	+	+
590	00511	54	+	+
497				
502	00051	03	+	+
628	00031	53	+	+
715	00013	55	+	+
703	92050	03		
827	01041	51	+	pr_o
817	02051	02	pr	pr_o
804	01071	05	pr	pr
809	91051	01	pr_o	pr_o
894	03051	04	r_or_orr	pr_opr
534	97503	54	+	r_os_o
559	00511	55	+	+
462	00003	52	+	+
354	92011	55	+	pr_o pr_os_o
414	97523	57	+	pr_o
360	92514	56	+	r_orR
396			+	ir_o
257	00003	54	+	+
262	00011	51	+	+
222	01001	55	+	$prspr_os_o$
302	97041	51	pr_o	+
334	03021	52	+	pr_or_orphl
318	02041	01	pr_oprR	$pr_oph_or_o$
204	01041	53	tlr~~p~~HRpr_o	~~HR~~ +
131				
162	02516	57	s	sps_ops
135	04001	52	$prpr_o$	$ph_ops_opr_os_ol$
140	02514	57	$pr_os_olpr_o$	$pr_os_ops_opr_os_o$
171	91513	55	pr_os_o	+
091	97515	57	+	s_o
005	02505	54	$ph_os_oph_o$	$ph_opr_os_ops_o$
075	02505	52	$pr_opr_os_o$	$pr_os_ops_o$
010	02021	01		
049				
026	06006	51	$pr_os_opspr_os_o$	$ph_opr_os_opr_s$
022	10505	50	$prispr_os_o$	$ph_opr_os_o$
100	04025	00	$phrprph_or_o$	ph_or_oph
917	02005	53	$pr_opr_os_op$~~RS~~	$prspr_oph_op$Sf
980	0301	01		
976	0403	01		
965	9251	55		
969	9401	52		
962	0301	51		
952	9703	50		
953	0404	01		

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	25001	81409	98021	36206	8092/	00714	/////	/////	05203	10787	3//02	26/05
L	99570	70197	25004	42630	98026	25205	49400	61215	84912	/////	0//03	11045	31009	25006
M	99644	10040	25004	20107	98031	05503	25500	00002	82625	/////	0//55	10772	30101	30905
R	99470	70170	25004	13513	98021	39611	00901	00113	81073	/////	0//04	11470	30604	/////

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	25061	81317	97616	26607	8742/	00756	/////	/////	00006	10778	3//09	/////
L	99570	70202	25064	43043	97268	28205	49400	00215	83912	/////	0//03	11097	31009	26006
M	99643	10041	25064	70909	98031	04803	76400	00703	86715	/////	0//54	10781	30101	30904
R	99471	70170	25064	63316	98031	40411	45502	00202	84630	84073	0//05	11461	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. Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

No. 42738

Date of Issue SUNDAY 26 NOVEMBER 1978

OBSERVATIONS at 12h. 25 November 1978

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	12915	83020	23006	11400	01806	81815		
Hurn	862	13215	81020	23607	18500	01805	81825		
Manston	797	42912	75021	20806	22431	03808	82815		
Gatwick	776	13111	80021	22106	18501	01805	81820		
Kew	775	22908	80031	21606	22500	01809	82820		
Heathrow	772	22811	75031	21407	22500	01809	82822		
Honington	586	12716	70021	19505	18400	01808	81812		
Wattisham	590	13015	70020	19805	18400	02709	81815		
Gorleston	497	22910	60020	18905	22500	01701	82825		
Aberporth	502	52920	82251	23205	42502	01810	84820		
Filton	628	22811	75030	23507	19561	01803	81820	81925	
Rhoose	715	22917	80030	23707	28541	50808	81820		
Hartland Point	703	53213	74151	24707	59600	50805	83930		
Mount Batten	827	42902	86150	25209	49503	03809	81820	84925	
St.Mawgan	817	72617	65808	26405	59323	03500	82708	82912	84820
Scilly	804	43217	85038	27808	48500	03802	81820	84623	
Guldrose	809	73512	66878	26906	6943/	04704	83915		
Guernsey	894	33216	87018	24808	32630	51801	83830		
Elmdon	534	32814	66150	21105	28563	50809	82820		
Cardington	559	32711	80031	21006	38500	02810	82825		
Wittering	462	32816	80030	20005	38402	01810	82815		
Watnall	354	52512	68258	20103	48432	01808	83710	83075	
Shawbury	414	52912	82031	21606	39433	00601	81916	83650	
Finningley	360	22813	65021	18605	19502	00708	81920		
Spurn Point	396	32618	62036	18205	32540	01706	82820		
Leeming	257	32810	89030	17805	12563	00801	81820	83068	
Tynemouth	262	12815	81020	16304	10930	51603	81358		
Carlisle	222	42809	70258	17903	29463	01804	81710	81914	83070
Valley	302	62921	80271	22306	39463	03801	81915	84075	
Ringway	334	72106	62158	20403	49433	01802	81914	83818	86068
Squires Gate	318	63212	62158	20106	59303	03707	81707	83915	
Ronaldsway	204	72921	84031	21005	685/1	00202	86826		
Mull of Galloway	131	83525	60888	20402	894//	01313	88910		
Eskdalemuir	162	42814	81018	17701	48402	52002	83817		
Prestwick	135	73210	65808	19003	693/3	01212	81707	83810	85912
Abbotsinch	140	62509	70158	18102	49443	51208	81710	83915	
Leuchars	171	22712	89011	15604	12542	53207	81820		
Dyce	091	22814	89027	13503	19431	53005	81914		
Lerwick	005	72216	20898	08302	794//	50705	86910		
Wick	075	72617	60278	12301	6946/	51602	82710	84912	
Sule Skerry	010	73209	75258	11205	59463	03304	85910		
Cape Wrath	049	63217	74898	12004	4947/	01105	84915	86360	
Stornoway	026	72908	75858	14902	6948/	51501	86915	84365	
Benbecula	022	33218	75278	17302	39400	00113	83912		
Tiree	100	22920	83158	18304	19460	51209	81710	81915	
Aldergrove	917	63020	62848	22702	692//	01211	83703	84912	
Malin	980	72922	70878	20706	794/3	51207	87918		
Belmullet	976	53020	80278	25805	594//	00208	82716	85920	
Birr	965	12811	82021	26404	13500	01205	81920		
Dublin	969	52714	82151	24103	585//	00210	82828	85645	
Shannon	962	43209	84258	28104	49400	01111	81712	83920	
Roches Point	952	32918	80258	28105	39400	02005	83817	81917	
Valentia	953	43319	80278	30207	49500	02210	84922		

OBSERVATIONS at 18h. 25 November 1978

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	22906	70018	23301	25600	50308	82630		
862	13002	80011	23701	14700	51210	81650		
797	33014	70031	20605	32401	50304	83818		
776	12605	75020	22101	15702	52203	81650		
775	12703	80021	21704	15700	50305	81656		
772	12809	70010	21404	00901	00305	81075		
586	12610	70020	19702	15600	50205	81640		
590	12911	75020	19802	15602	51000	81645		
497	02710	60011	18503	00900	01400			
502	63122	84012	24205	5253/	00308	85820		
628	33006	70251	23503	25603	01105	82635		
715	23008	84018	24202	29503	51310	81822	81930	
703	53314	86012	24607	59600	00209	82930	83835	
827	63206	75018	25405	694//	02211	83918	84825	
817	63120	82278	26206	694//	01309	82912	85820	
804	43320	82258	28207	49563	03210	81920	83821	
809	63315	70028	26806	69400	01311	81915	85818	
894	63214	82278	24005	695//	00601	85822	83925	
534	42906	63258	21901	25303	01009	81706		
559	42609	75011	21202	39503	00103	82920	83070	
462	12811	80011	20301	00901	00203	81070		
354	22607	65018	20501	15433	50307	81710		
414	63312	25878	22002	694//	01214	84916	85820	
360	12710	70021	19102	14662	50108	81630		
396	22720	66010	18204	22500	01304	82820		
257	12910	89011	18902	11503	51111	81820		
262	42718	80020	17402	00908	51310	84275		
222	52607	82031	19701	28432	50112	81817	84070	
302	63021	82022	22906	625//	01107	86825		
334	63006	60278	21102	29403	01005	81710	82915	86068
318	63019	80028	21105	694/3	01210	81917	85822	
204	63017	84018	21704	39403	51110	81916	83824	85070
131	73218	78028	21503	794//	01210	82910	85820	
162	22808	82021	19100	18430	53315	81818		
135	63117	65268	20103	693//	51013	81708	82912	84814
140	52503	75038	19601	5946/	51314	81914	85628	
171	12710	89020	17401	11503	53215	81825		
091	12709	86020	14201	18500	53110	81820		
005	52417	80018	06303	59400	50711	83910		
075	72918	65878	12901	5346/	51802	82912	83815	85359
010	73229	68908	11405	59403	05001	84910	83820	
049	73218	80908	12903	794//	03602	85915	87620	
026	73319	57878	17702	794//	50219	87910		
022	63429	70878	19804	694//	01218	84911	85633	
100	83123	40888	20505	834//	00216	88912		
917	52813	70268	23202	49303	01011	81708	83916	
980	73626	75278	22705	794//	02218	87918		
976	53324	80258	27905	534//	52215	81717	84920	
965	22910	80011	27902	28500	00313	81820		
969	12815	80028	24602	13400	50207	81919		
962	23307	80258	29503	29500	01313	82920		
952	22918	80258	29904	29400	02216	82915		
953	43513	80808	31605	42500	03314	84822		

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97073	069	+	pro
862	00080	069	+	+
797	00071	063	+	jp
776	00071	069	+	+
775	00070	066	+	+
772	00071	072	+	+
586	00050	070	+	+
590	00051	064	+	+
497		065		
502	92061	028	pro	+
628	97070	056	jp	pro
715	97073	063	pro	jp
703	92080	028		
827	01091	038	phorophr	phoropro
817	02081	031	prophr	prophrs
304	04090	053	phrpro	pro
809	01081	056	pho	pho
894	01091	039	+	prophoropso
534	95071	064	pro	prosoprophor-ro
559	00063	053	+	+
462	00053	044	+	+
354	97043	015	proso-pro	+
414	04073	058	pro	proprosophoro
360	00061	060	jp	+
396			+	+
257	00051	051	+	+
262	00041	054	+	+
222	92041	034	prspprosopro	+
302	97071	036	phoro	+
334	01041	009	pro-lprohoprs	prophoprosol
318	01071	028	phoroprosopro	pro
204	92071	047	pro	phoroprs
131	15055			
162	00025	028	+	+
135	03041	004	propropsopr	phoproso
140	94045	019	proso	psops
171	00043	047	+	+
091	00041	051	+	+
005	02045	003	pho	phoproir
075	04026	002	phopsops	psophoph
010	04061			
049	02052	000	phoro	phrproso
026	02036	009	propsopho	psopho
022	02051	001	prosophopso	protlphoproso
100	02051	012	phophoro	phrph
917	03042	019	prosoprs	prosophoroprs
980	0306	005		
976	0306	027		
965	9706	048		
969	9203	037		
962	0406	017		
952	9306	050		
953	0408	029		

OCEAN WEATHER STATION REPORTS at 12h.

Code FM 21.V

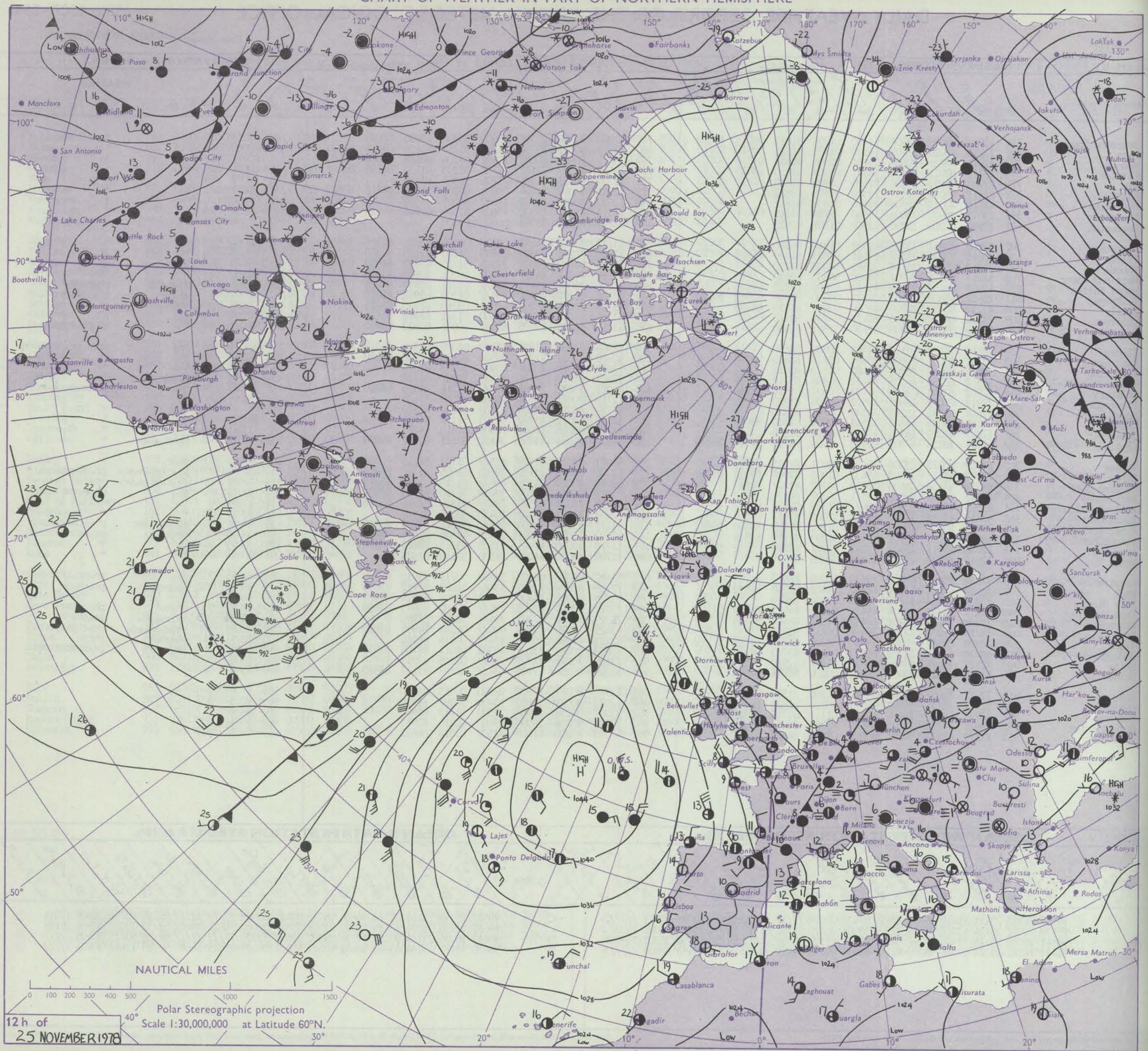
O.W.S.	99 $L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	25121	81819	94606	17610	8742/	00628	/////	/////	00610	10788	30912	/////
L	99570	70202	25124	63227	98018	32505	59301	00219	81708	81912	0//04	11095	31009	25007
M	99641	10040	25124	72408	97267	04801	79302	41500	82708	84912	0//50	10768	30302	28904
R	99471	70172	25124	63316	98018	42211	68500	00312	84820	83640	0//06	11453	30604	/////

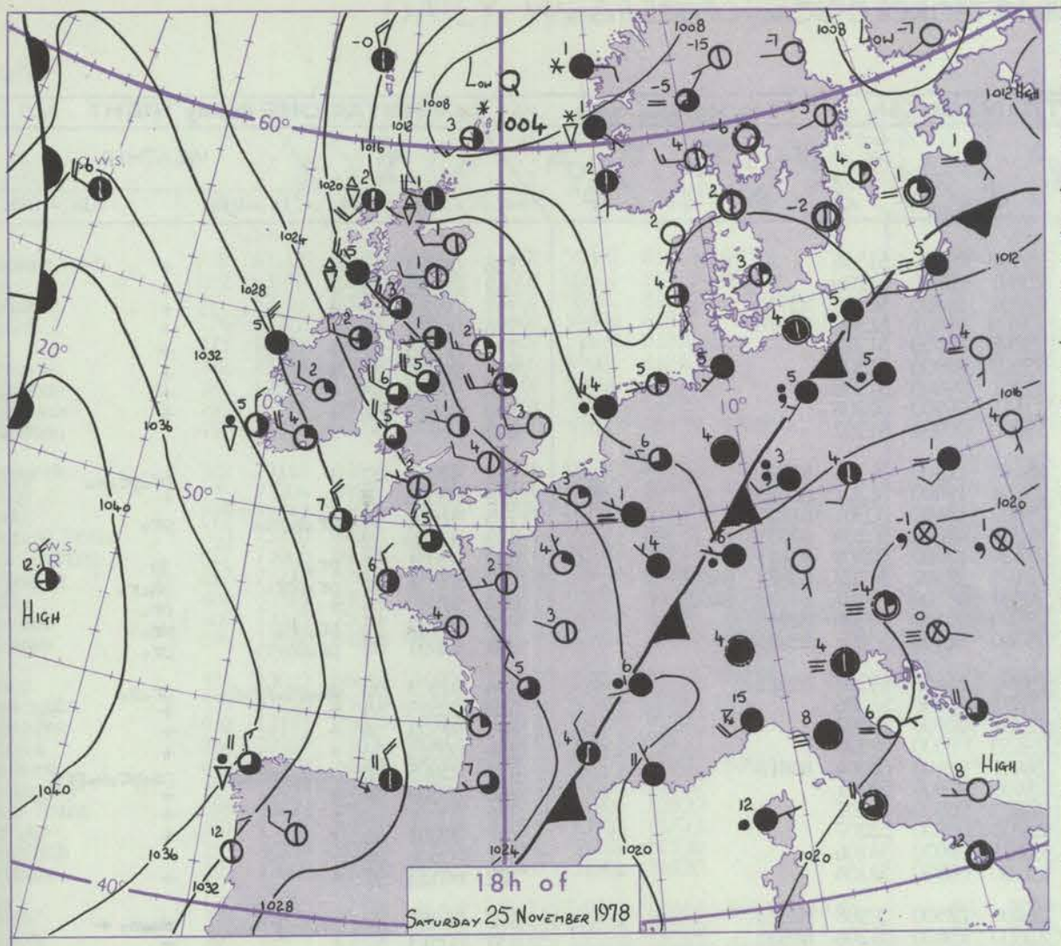
OCEAN WEATHER STATION REPORTS at 18h.

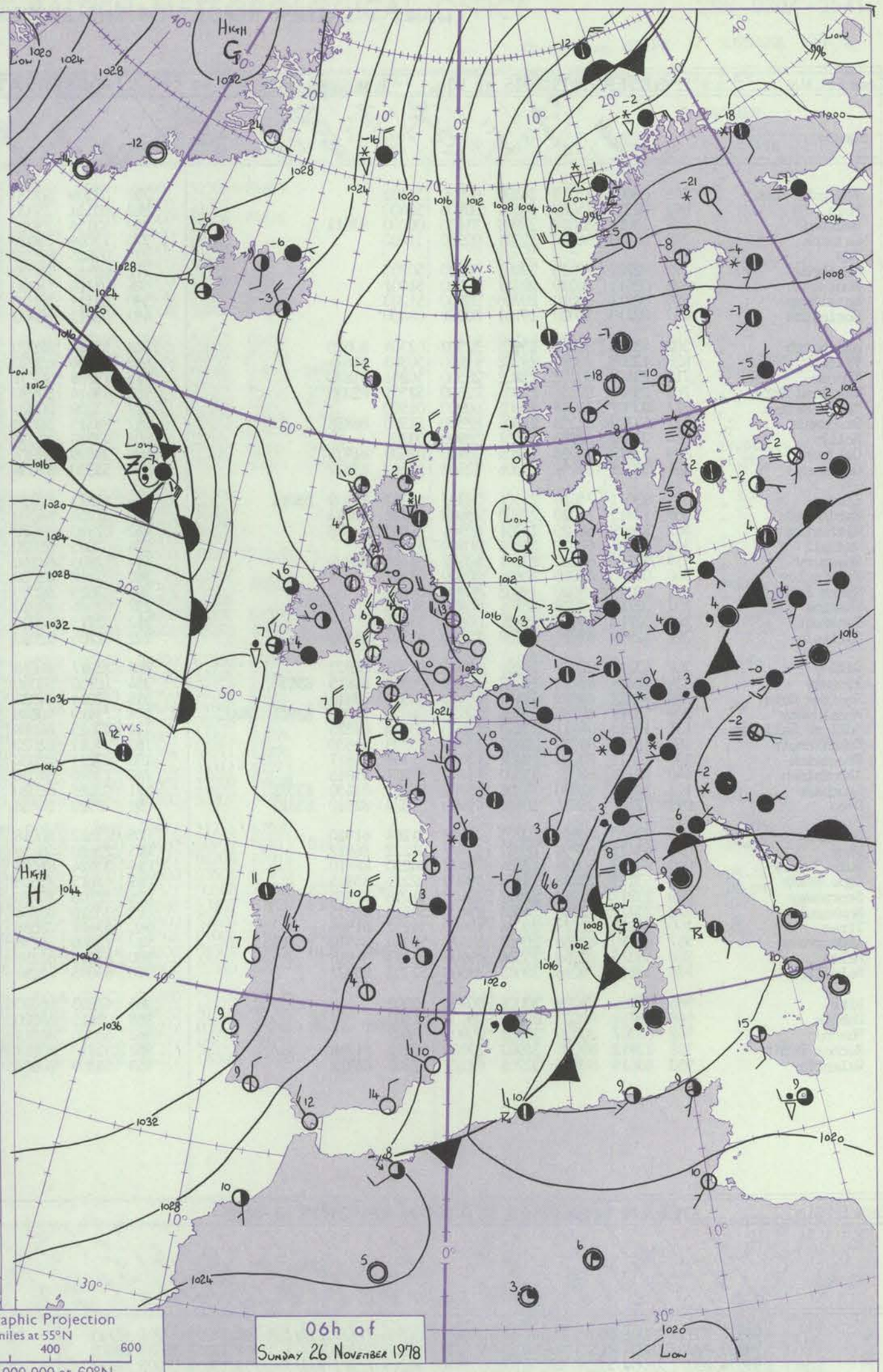
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	25181	82016	94606	16010	8742/	00301	/////	/////	00510	10796	30809	17314
L	99570	70200	25184	83019	98032	32206	4552/	00606	84620	88462	0//52	11074	30906	26108
M	99647	10035	25184	80224	97258	09302	894//	71330	/////	/////	0//54	10725	30405	/////
R	99470	70172	25184	63316	98031	42211	68501	00109	81825	86640	0//05	11447	30605	/////

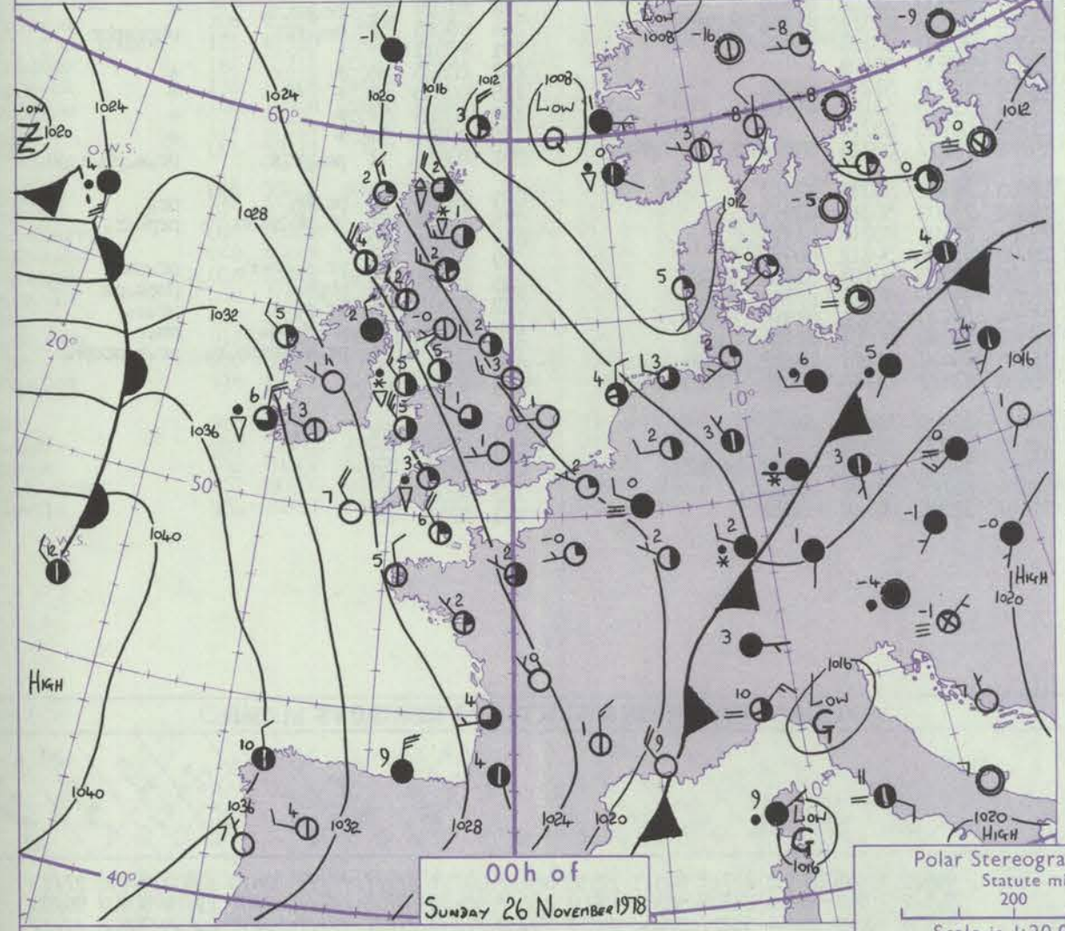
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 SUNDAY 26 NOVEMBER 1978

During the past 24 hours, a northwesterly airstream has been maintained over the British Isles with an anticyclone, centred between Ireland and the Azores, almost stationary and an area of low pressure over northwest Europe in which a shallow low moved slowly southeast to the north of Scotland.

During the next 24 hours, a shallow low will move quickly southeast to the west of the British Isles and while the anticyclone to the southwest moves slowly south, a ridge, extending southwards from an anticyclone over Greenland, will intensify.

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

Code FM 11.V — OBSERVATIONS at 00h. — 26 November 1978

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	03005	75010	24200	00900	51102			
Hurn	862	02905	75020	24550	00900	51400			
Manston	797	33014	80010	20903	31400	00000	83811		
Gatwick	776	03108	66020	22701	00900	51400			
Kew									
Heathrow	772	02707	70020	22001	00900	50703			
Honington	586	02611	58020	20351	00900	51001			
Wattisham	590	02911	60020	20700	00900	51203			
Gorleston	497	02710	58020	19101	00900	00400			
Aberporth	502	43225	80031	25405	32502	02304	83820		
Filton	628	13005	70020	24902	15600	50303	81634		
Rhoose	715	23408	80258	25202	28500	50201	81820		
Hartland Point	703	23520	89258	25805	22600	52501	82835		
Mount Batten	827	03307	75018	26605	00900	01500			
St.Mawgan	817	63319	82258	27306	62500	52500	86826		
Scilly	804	03322	82028	29507	00900	03301			
Guldrose	809	33313	70028	28205	39400	03000	81915		
Guernsey	894	33321	85251	25006	32503	52203	83822		
Elmdon	534	63011	75016	22601	5833/	51602	81709	85811	
Cardington	559	12810	70020	22000	15600	00302	81645		
Wittering	462	12609	64020	21351	00901	51303	81075		
Watnall	354	02807	60020	21601	00900	51301			
Shawbury	414	52712	68268	23201	48502	01400	84820		
Finningley	360	02810	65010	20401	00900	52302			
Spurn Point	396	03017	65020	19903	00900	00206			
Leeming	257	02712	89020	20501	00900	51306			
Tynemouth	262	02714	69020	19301	00900	53102			
Carlisle	222	12505	80011	21550	12500	52307	81820		
Valley	302	43217	82838	24805	49500	01207	84922		
Ringway	334	42804	65011	22702	38401	00305	81815	83630	
Squires Gate	318	43312	82018	22405	48400	50305	83818		
Ronaldsway	204	53118	80268	23404	59400	01002	81712	82917	84822
Mull of Galloway	131	13620	84011	23403	11500	00304	81825		
Eskdalemuir	162	12710	84020	21052	15600	55205	81630		
Prestwick	135	13211	80028	22402	11400	51109	81817		
Abbotsinch	140	12002	84021	21600	11400	52207	81816		
Leuchars	171	32816	82030	18802	15702	54503	81650	83072	
Dyce	091	42717	25851	16401	49400	51304	82910	83812	
Lerwick	005	33620	80018	10803	39400	01264	81910		
Wick	075	63122	65898	16002	694//	01222	86912		
Sule Skerry	010	83429	50878	17204	894//	04230	88910		
Cape Wrath	049	53215	75908	18704	59400	02221	85915		
Stornoway	026	23317	78278	21402	29400	51216	82914		
Benbecula	022	23427	82038	24003	29400	50219	82915		
Tiree	100	13218	81278	24004	19400	51212	81916		
Aldergrove	917	83310	62268	26202	894//	50310	84910	85715	
Malin	980	43325	82268	25506	49400	51211	84918		
Belmullet	976	33112	75018	30005	33500	52107	83922		
Birr	965	03006	75018	30001	00900	50203			
Dublin	969	02714	80020	27101	00900	51308			
Shannon	962	03307	80020	31102	00900	00102			
Roches Point	952	12912	80028	31403	19400	00211	81918		
Valentia	953	63619	80808	32706	635//	02301	86922		

Code FM 11.V — OBSERVATIONS at 06h. — 26 November 1978

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	03109	80020	25000	00900	51306			
Hurn	862	03111	75020	25001	00900	51206			
Manston	797	33114	75011	21802	36400	50302	83710		
Gatwick	776	13009	75010	23400	00901	51302	81070		
Kew	775	02605	82020	23000	00900	51202			
Heathrow	772	02810	75020	23000	00900	51303			
Honington	586	02710	56100	21751	00900	52308			
Wattisham	590	03111	57020	21651	00900	52206			
Gorleston	497	02812	58020	19800	00900	51202			
Aberporth	502	13324	82010	26405	12500	01103	81820		
Filton	628	10000	65020	25801	15600	51207	81635		
Rhoose	715	13209	80251	25802	18400	00301	81815		
Hartland Point	703	43414	89030	26706	42600	50104	82835		
Mount Batten	827	13309	80028	27404	12400	00208	81815		
St.Mawgan	817	63315	80038	28105	58502	51303	83822	84075	
Scilly	804	43518	82030	30507	48500	03307	81820	84623	
Guldrose	809	33409	70028	29005	39400	00306	82915		
Guernsey	894	53320	85038	25306	52500	53207	85825		
Elmdon	534	12913	81028	23901	15440	51307	81612		
Cardington	559	02708	64020	23051	00900	51206			
Wittering	462	02810	80020	22351	00900	52207			
Watnall	354	02805	65020	22650	00900	52107			
Shawbury	414	52805	68268	24401	58400	00304	84818		
Finningley	360	02812	83020	21601	00900	53301			
Spurn Point	396	03025	66020	20803	00900	51207			
Leeming	257	02505	89020	21801	00900	53207			
Tynemouth	262	02715	80020	20601	00900	54206			
Carlisle	222	02705	82020	23150	00900	52104			
Valley	302	23317	84018	26106	22500	00106	82823		
Ringway	334	10702	80030	23800	15600	51206	81635		
Squires Gate	318	13314	84028	23804	18500	52107	81820		
Ronaldsway	204	73419	40848	25704	792//	01311	82704	87915	
Mull of Galloway	131	33615	84018	25303	32500	00208	83825		
Eskdalemuir	162	03011	82020	22851	00900	55109			
Prestwick	135	13211	82020	24102	18400	51204	81818		
Abbotsinch	140	13010	84030	23751	11400	53108	81816		
Leuchars	171	02818	82020	21101	00900	53210			
Dyce	091	72920	18838	19101	792//	00214	83704	83910	87812
Lerwick	005	23522	80018	17502	22400	53234	82812		
Wick	075	23620	80158	19902	29400	50317	82915		
Sule Skerry	010	33524	81028	21204	29401	03218	81915		
Cape Wrath	049	43615	75808	22003	43400	50212	84915		
Stornoway	026	32708	70278	24100	39300	50108	81706	82915	
Benbecula	022	33516	80268	25203	39400	50004	81912	83816	
Tiree	100	43418	82038	25304	49400	00501	81916	83631	
Aldergrove	917	13006	75268	27001	19300	00001	81708	81915	
Malin	980	63220	81258	26306	43402	51601	84818	81918	83075
Belmullet	976	63005	75258	28606	635//	01714	83820	81920	84638
Birr	965	42603	66020	30100	45600	51803	84632		
Dublin	969	02815	80020	28100	00900	51203			
Shannon	962	50000	80011	30403	3563/	01808	83640	84362	
Roches Point	952	82710	80021	31304	857//	01803	88650		
Valentia	953	53309	80808	31607	52500	02810	85822		

OBSERVATIONS during NIGHT

Station	iii	$R_RT_nT_nE$	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00523	53	+	+
Hurn	862	00513	55	+	+
Manston	797	00011	00	+	+
Gatwick	776	00521	55	+	+
Kew	775	00513	57	+	+
Heathrow	772	00003	53	+	+
Honington	586	97523	55	+	+
Wattisham	590	00523	54	+	+
Gorleston	497				
Aberporth	502	97041	02	+	pr$_o$pr$_o$s$_o$
Filton	628	00010	57	+	+
Rhoose	715	91001	55	pr$_o$s$_o$pr$_o$	pr$_o$
Hartland Point	703	97050	02		
Mount Batten	827	92031	51	pr$_o$	jp
St.Mawgan	817	93031	01	pr$_o$phr	ph$_o$r$_o$
Scilly	804	97070	04	+	pr$_o$
Guldrose	809	96032	02	pr$_o$ph$_o$	pr$_o$
Guernsey	894	92051	02	pr$_o$ph$_o$r$_o$	pr$_o$
Elmdon	534	97503	53	ps$_o$pr$_o$s$_o$	pr$_o$s$_o$
Cardington	559	00523	55	+	+
Wittering	462	97523	54	+	+
Watnall	354	00523	58	+	+
Shawbury	414	05005	52	pr$_o$s$_o$ps$_o$ps	ps$_o$pr$_o$s$_o$prs
Finningley	360	00503	54	+	+
Spurn Point	396			+	+
Leeming	257	00001	55	+	+
Tynemouth	262	00501	52	+	+
Carlisle	222	00523	57	+	+
Valley	302	95041	02	pr$_o$s$_o$ph$_o$r$_o$	ph$_o$r$_o$ +
Ringway	334	00513	57	+	+
Squires Gate	318	91031	51	pr$_o$pr$_o$s$_o$	+
Ronaldsway	204	09015	51	prsph	phprsphr
Mull of Galloway	131	92011			
Eskdalemuir	162	00535	56	+	+
Prestwick	135	00003	55	+	+
Abbotsinch	140	00525	57	+	+
Leuchars	171	00513	54	+	+
Dyce	091	03016	52	ps$_o$pr$_o$s$_o$	pr$_o$s$_o$ph$_o$s$_o$ph$_o$
Lerwick	005	02503	53	pr$_o$sh	pr$_o$
Wick	075	04005	51	ph$_o$ph$_o$r$_o$ph	prph$_o$r$_o$
Sule Skerry	010	02011	00		
Cape Wrath	049	01023	00	pr$_o$s$_o$ph$_o$r$_o$	pr$_o$ph$_o$
Stornoway	026	04517	53	phph$_o$	phps$_o$ps
Benbecula	022	02513	54	pr$_o$s$_o$	pr$_o$s$_o$
Tiree	100	97021	51	ph$_o$r$_o$ph$_o$	ph$_o$r$_o$
Aldergrove	917	03003	51	pr$_o$s$_o$prsph$_o$r$_o$	pr$_o$s$_o$prsph$_o$
Malin	980	9504	00		
Belmullet	976	9203	02		
Birr	965	9251	54		
Dublin	969	9750	52		
Shannon	962	9701	52		
Roches Point	952	9102	50		
Valentia	953	0205	02		

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

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	26001	82015	95286	17010	864//	00804	/////	/////	00510	10795	3//07	17/13
L	99569	70200	26004	81523	96636	25404	872//	00855	88704	/////	0//04	11062	30703	29005
M	99654	10027	26004	53226	97268	12900	59400	71209	/////	/////	0//55	10650	30505	/////
R	99469	70171	26004	73012	98022	41812	756//	00813	87640	/////	0//06	11460	30603	/////

Code FM 21.V — OCEAN WEATHER STATION REPORTS at 06h.

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	26061	81717	94515	11510	864//	00731	/////	/////	00610	10800	3//10	17/13
L	99571	70201	26064	81135	96586	15007	872//	00632	88703	/////	0//07	11074	30907	99/05
M	99659	10020	26064	53227	97858	14351	59400	71203	/////	/////	0//57	10655	30506	/////
R	99471	70170	26064	72718	98022	39912	756//	00812	87640	/////	0//07	11474	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, Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42739

Date of Issue MONDAY 27 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 26 November 1978

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	63111	82021	25604	11402	50802	81815	86072	
Hurn	862	63110	82021	26205	11502	00101	81822	86075	
Manston	797	13014	80020	22404	11401	50602	81816		
Gatwick	776	13212	80010	23804	11502	51803	81822		
Kew	775	13112	78030	23704	11502	51804	81820		
Heathrow	772	23111	80020	23805	11502	51001	81820		
Honington	586	12815	75020	21902	13402	52000	81915		
Wattisham	590	13116	68020	22103	18501	52000	81820		
Gorleston	497	32914	62030	20403	22570	51803	82825	83358	
Aberporth	502	73118	80158	26606	42516	01805	84820	87275	
Filton	628	73204	84021	26405	18508	00802	81825	87275	
Rhoose	715	73112	84031	26704	58576	01802	81820	85650	87275
Hartland Point	703	73510	89021	27407	42606	53703	84835	87275	
Mount Batten	827	73605	84021	27607	23406	02803	81914	87274	
St.Mawgan	817	73214	82022	28607	42503	51802	84825	87270	
Scilly	804	83513	82038	30108	3257/	03805	83820	88460	
Culdrose	809	73311	75028	29407	49308	02000	81708	82915	87272
Guernsey	894	73520	84808	26607	795//	00204	85825	83930	
Elmdon	534	43012	66011	24904	18402	50001	81815	84070	
Cardington	559	33210	75010	23904	22502	52102	82825		
Wittering	462	13113	75020	23103	12501	53000	81820		
Watnall	354	23107	75030	23404	11402	53803	81815		
Shawbury	414	62708	68268	25203	42532	01803	84820	85070	
Finningley	360	12814	75020	22704	12502	53500	81820		
Spurn Point	396	22821	68021	21004	29500	51104	82920		
Leeming	257	13011	89020	22804	12501	53002	81823		
Tynemouth	262	23214	80020	22003	23600	53101	82930		
Carlisle	222	13003	82020	24103	12502	51801	81820		
Valley	302	73312	84151	26307	53472	00803	81918	84828	87075
Kingway	334	33206	81021	24504	13532	50703	81920		
Squires Gate	318	53311	82021	24905	11501	00001	81822	85075	
Ronaldsway	204	73214	65268	25803	694/2	01805	81918	83822	86070
Mull of Galloway	131	63510	82021	25904	23471	00400	82915	84360	86070
Eskdalemuir	162	03211	83010	24002	00900	54104			
Prestwick	135	13408	82011	25103	18531	51400	81825		
Abbotsinch	140	12908	86020	24903	11401	00002	81818		
Leuchars	171	23011	89030	23703	21400	53312	82818		
Dyce	091	53111	50858	21802	59203	50112	81704	84908	
Lerwick	005	33408	80268	20901	39400	52105	81912		
Wick	075	23412	84018	22902	23400	51009	81915		
Sule Skerry	010	33208	82020	23504	39400	01106	81915	83820	
Cape Wrath	049	43604	82018	24303	48500	00208	83820	84625	
Stornoway	026	22402	62158	25201	29400	51103	81916		
Benbecula	022	10902	82158	26003	18401	01101	81818		
Tiree	100	13509	89151	25705	19409	53602	81916		
Aldergrove	917	73102	80028	26903	5933/	02804	85709	81914	86359
Malin	980	33604	89011	26106	18532	50804	81820		
Belmullet	976	81310	68615	25205	864//	03723	85717	88635	
Birr	965	81803	80021	27703	3562/	01820	83630	88462	
Dublin	969	72712	75021	27301	38538	00709	81820	83359	87270
Shannon	962	81307	82616	27405	854//	03829	83712	85620	88630
Roches Point	952	80000	62606	29006	1562/	03820	81638	88550	
Valentia	953	81417	58616	25906	4642/	05846	84713	88545	

OBSERVATIONS at 18h. 26 November 1978

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	13105	75011	25400	00901	52302	81075		
862	02802	70011	25451	00900	51302			
797	13114	80020	22403	11400	52306	81816		
776	02902	64010	24051	00900	53202			
775	02906	65020	23602	00900	51303			
772	02905	70010	23602	00900	50003			
586	02815	70010	21901	00900	53104			
590	13117	70020	21801	15600	53005	81640		
497	42814	62258	19803	45500	51001	84625		
502	13309	84011	25305	12501	51603	81820		
628	10000	80021	25303	15702	00701	81650		
715	73304	80808	25802	6847/	00602	81815	86650	
703	73505	89022	25207	785//	51607	84825	87640	
827	83402	50038	25706	2552/	02706	82625	88459	
817	83302	80022	26006	2162/	50711	82830	88460	
804	80000	70626	26206	852//	04717	84705	88620	
809	83206	65218	26306	884//	01712	82815	88630	
894	73312	84028	25205	785//	01703	85822	86640	
534	00000	66011	24700	00900	51305			
559	03108	58050	23801	00900	51307			
462	03010	68020	23101	00900	53306			
354	03309	65010	23701	00900	55106			
414	22503	72018	24750	28500	51001	81820		
360	02911	68020	23202	00900	54209			
396	12822	66010	21703	19500	52211	81920		
257	03011	89010	23701	00900	53306			
262	13317	81020	22602	13600	54110	81930		
222	13005	82020	24801	15601	53208	81635		
302	30506	82028	25602	38500	01302	82828		
334	10704	60020	24702	15600	52106	81645		
318	10205	62011	24901	15600	52306	81640		
204	73306	88028	25004	786//	01802	81830	87645	
131	10208	86011	25403	12400	00306	81815		
162	13208	81020	25652	00901	55211	81074		
135	11602	62020	26051	11501	53211	81825		
140	12902	82020	25951	00901	55311	81075		
171	12807	86020	24600	11402	52209	81818		
091	12611	80028	23351	13400	52207	81910		
005	72809	20878	17851	794//	51716	87910		
075	33012	70268	21900	23460	00709	82815	81915	
010	73416	80278	21605	794//	04708	87915		
049	53214	75891	22703	53500	03506	85920		
026	62707	59878	24902	693//	00500	81709	83915	86630
022	50103	84031	26002	38502	53101	81820	83635	
100	23511	86150	25803	22400	52204	81818		
917	61202	80011	26002	45502	01001	81625	84634	
980	72002	89028	25804	63532	01304	83822	81922	84640
976	20908	75016	24503	25602	02310	82637		
965	10904	80016	25102	15600	01504	81635		
969	32903	80011	25901	10932	51301	81360	83070	
962	81312	70216	23604	862//	03606	83705	84708	88640
952	81015	56616	23806	874//	05618	88711		
953	80705	50616	20508	862//	08503	88705		

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00053	038	+	+
862	00061	035	+	+
797	00050	076	+	+
776	00051	078	+	+
775	00053	072	+	+
772	00053	076	+	+
586	97033	064	+	+
590	00033	076	+	+
497		070		
502	00061	000	+	+
628	00050	017	+	+
715	97051	010	pr_o	pr_o
703	00070	005		
827	97071	025	pr_o	+
817	97071	004	jp	r_o
804	06082	003	pr_o	rr
809	94072	001	pr_o	$ir_opr_oir_o$
894	96071	008	ph_opr_oph	pr_oph_o
534	00043	069	+	+
559	00053	066	+	+
462	00043	074	+	+
354	00053	073	+	+
414	03035	012	$pr_os_opr_o$	if
360	00053	074	+	+
396			+	ps_opr_o
257	00053	070	+	+
262	00041	071	+	+
222	00053	072	+	+
302	97071	014	pr_o	pr_os_o
334	00053	072	+	+
318	00063	051	+	+
204	05053	007	$prsph_or_opr_os_o$	pr_o
131	00045			
162	00025	072	+	+
135	00043	065	+	+
140	00043	065	+	+
171	00043	067	+	+
091	96026	019	$ps_opsph_ops_o$	ph_opsps_o
005	01027	029	ps_o	ps_oph_o
075	03036	046	ph_o	ph_ops_o
010	01051			
049	95052	023	ph_o	ph_or_o
026	02037	043	ph_o	ph_ops_o
022	00051	048	+	+
100	00063	052	jp	jp
917	00052	025	+	+
980	9708	033		
976	0106	000		
965	9204	000		
969	9703	000		
962	0405	000		
952	0907	000		
953	2008	000		

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

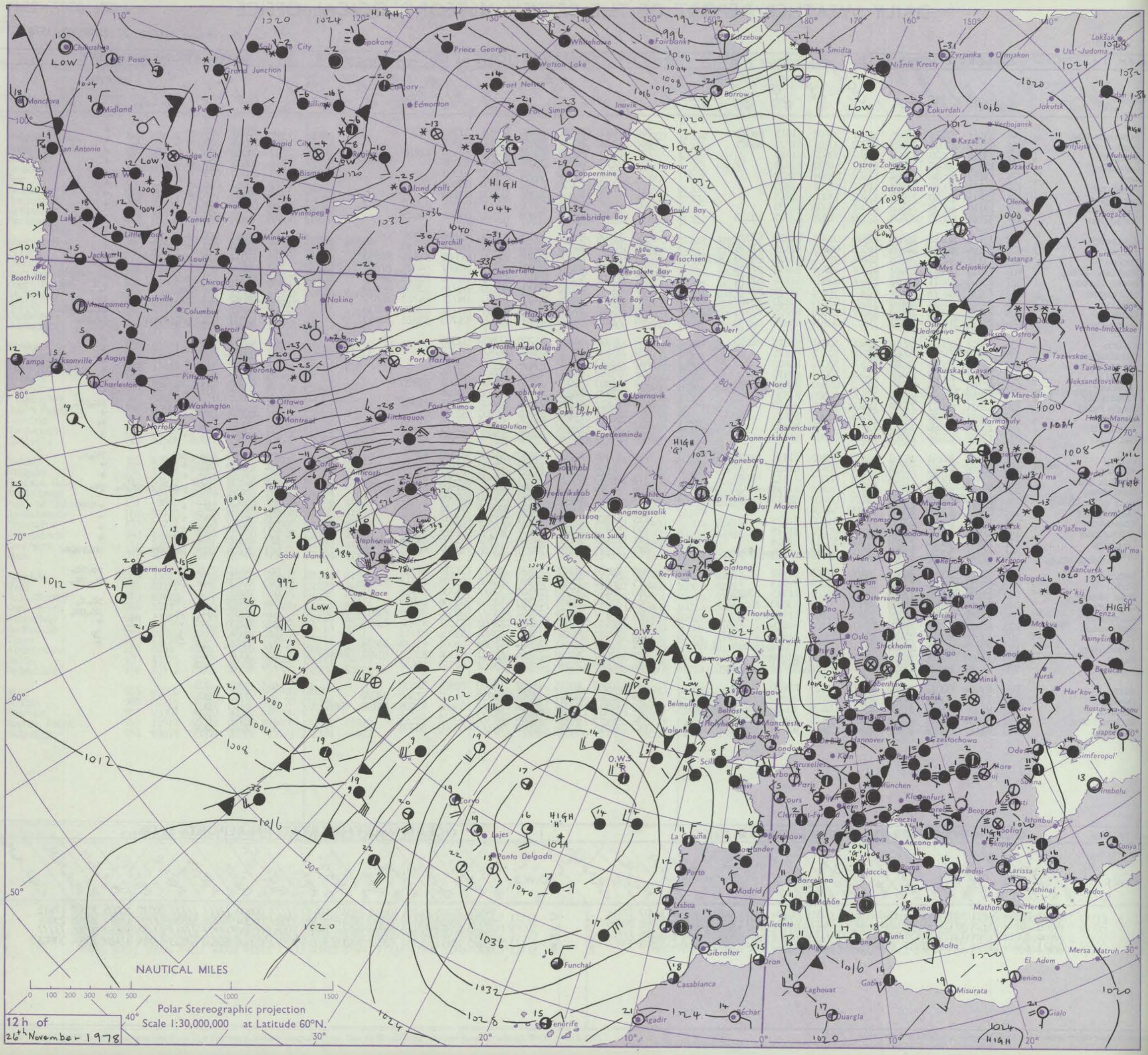
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	26121	92014	92456	13410	9////	00219	89/04	/////	00510	10794	3//07	17/14
	99569	70198	26124	81124	96506	21408	873//	00237	86706	88711	0//07	11080	30905	99/06
	99660	10019	26124	73129	97858	15951	79400	00206	/////	/////	0//57	10651	30506	/////
	99471	70169	26124	72722	97038	38014	785//	00806	83825	87645	0//12	11467	30503	33804

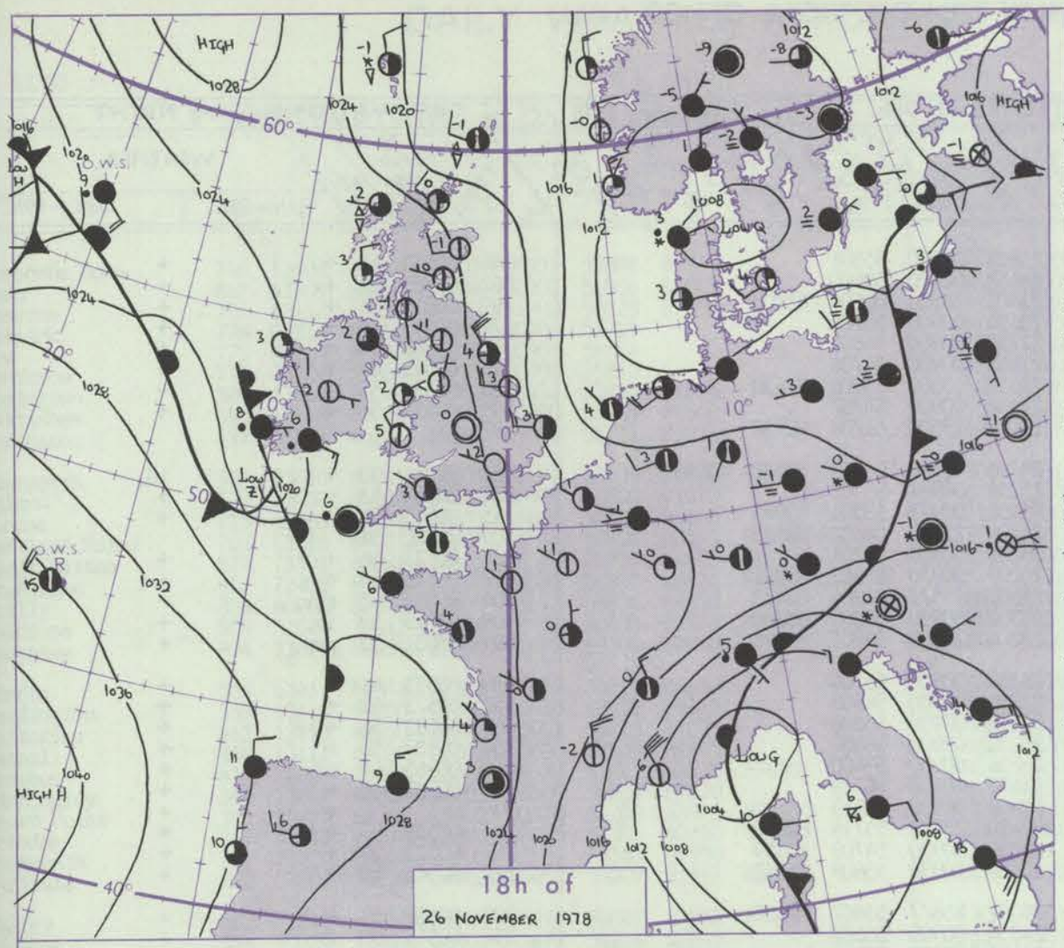
OCEAN WEATHER STATION REPORTS at 18h.

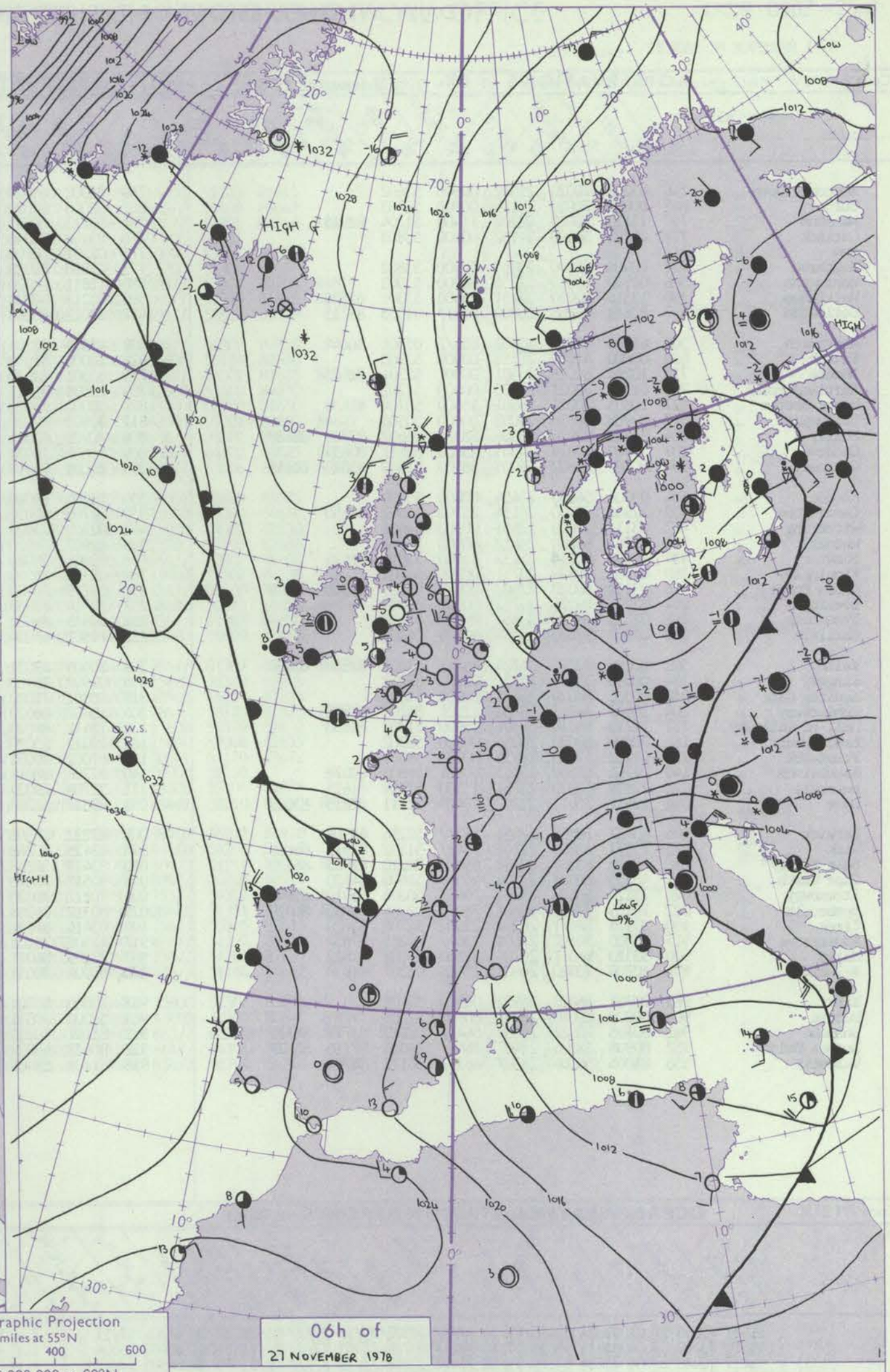
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	26181	91813	91515	14610	9////	00400	/////	/////	00510	10805	30807	17112
	99570	70199	26184	81320	97616	21209	7732/	00004	87706	88530	0//09	11074	30805	25006
	99658	10019	26184	73229	96868	15851	79400	00500	/////	/////	0//55	10657	30505	/////
	99470	70171	26184	72822	97018	35914	785//	00604	82820	87633	0//14	11468	30504	33803

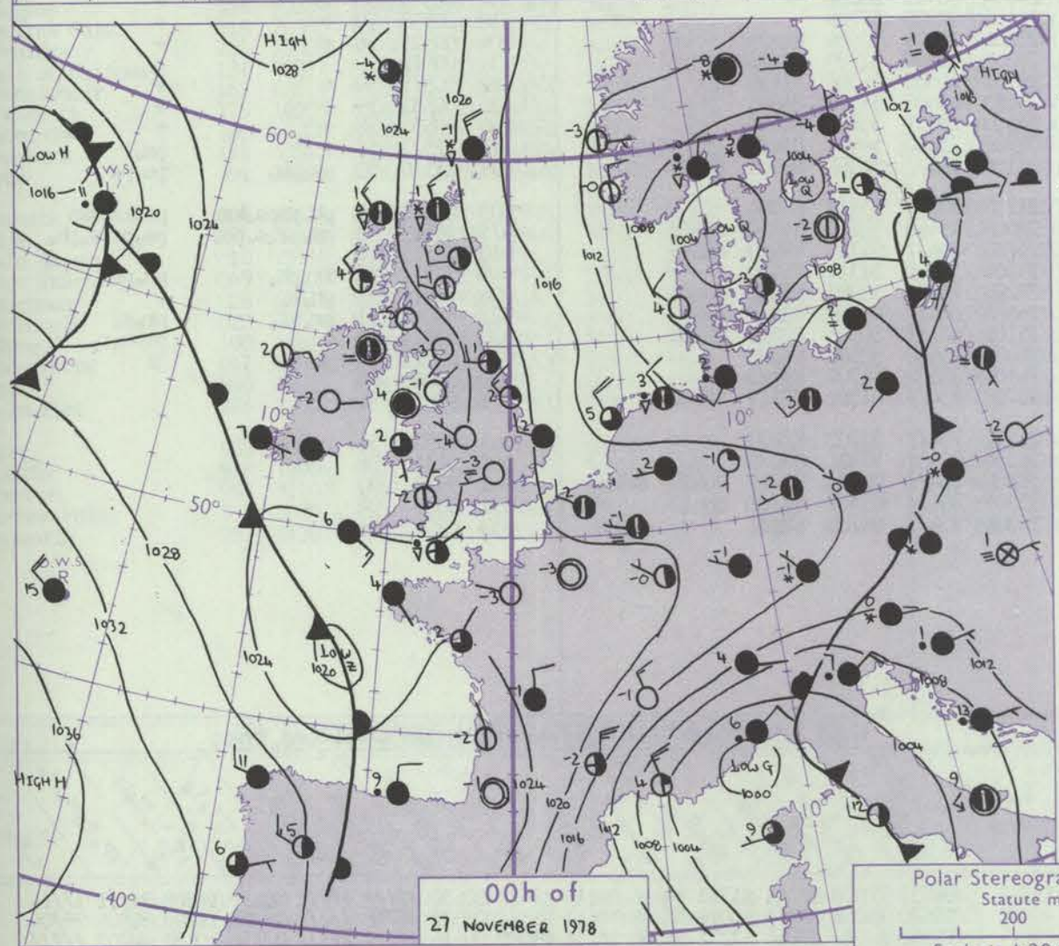
All times of observation printed in this publication are GREENWICH MEAN TIME.

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
26th November 1978
HIGH
LOW
Chihuahua
El Paso
Midland
San Antonio
Fort Worth
Lake Charles
Jackson
Boothville
Montgomery
Tampa
Jacksonville
Charleston
Pittsburgh
Washington
Norfolk
Nashville
Columbus
Detroit
Chicago
Kansas City
Omaha
Minneapolis
Winnipeg
Rapid City
Billings
Grand Junction
Salt Lake City
Spokane
Prince George
Edmonton
Calgary
Fort Nelson
Watson Lake
Whitehorse
Fairbanks
Kotzebue
Barrow
Inuvik
Fort Simpson
Fort Smith
Coppermine
Cambridge Bay
Mould Bay
Churchill
Chesterfield
Resolute Bay
Isachsen
Arctic Bay
Nakina
Winisk
Moosonee
Port Harrison
Nottingham Island
Hatton
Alert
Thule
Clyde
Nord
Upernavik
Resolution
Egedesminde
Fort Chimo
Hopedale
Nain
Hillsborough
Goose
Gander
Stephenville
Sable Island
Bermuda
Cape Race
Caribou
Yarmouth
Toronto
Ottawa
Montreal
Fredericton
Fredericksab
Pas Christian Sund
Angmagssalik
Reykjavik
Thorshavn
Lerwick
Belmullet
Belfast
Glasgow
Manchester
Valentia
Scilly
Corvo
Lajes
Ponta Delgada
Funchal
Tenerife
Casablanca
Agadir
Gibraltar
Lisboa
Porto
Madrid
Barcelona
Alicante
Mahón
Oran
Algiers
Béchar
Laghouat
Duargla
Misurata
Malta
Tunis
Sicily
Ajaccio
Roma
Ancona
Venezia
Genova
Bordeaux
Paris
Bruxelles
Amsterdam
Hannover
Kiel
Danmarkshavn
Daneborg
Kap Tobin
Jan Mayen
Barencburg
Murmansk
Tromsø
Bodø
Oslo
Stockholm
Helsinki
Leningrad
Moskva
Minsk
Kaunas
Gdańsk
Warszawa
Berlin
Kiel
Kopenhavn
Ostersund
Ostersund
Ostersund







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 27 NOVEMBER 1978

During the past 24 hours a depression over the east of the North Sea and southern Scandinavia has been moving slowly east while a ridge of high pressure lying from Iceland to Biscay also moved slowly east allowing a warm front with waves to approach close to southwest England. A northnorthwesterly airflow covered eastern parts of the U.K.

During the next 24 hours the depression over southern Scandinavia is expected to continue moving slowly east. A trough of low pressure is expected to extend from Denmark across the southern North Sea and English Channel to a shallow low which is expected to move southeastwards near southwest England. A ridge of high pressure will persist east of Iceland to northwest Scotland.

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

Code FM 11.V — OBSERVATIONS at 00h. — 27 November 1978

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	03202	70020	25552	00900	53602			
Hurn	862	00000	70020	25155	00900	56703			
Manston	797	13113	70020	22302	11400	51704	81815		
Gatwick	776	02701	58100	24152	00900	53803			
Kew									
Heathrow	772	02404	58100	23853	00900	53802			
Honington	586	02910	65010	22351	00900	53003			
Wattisham	590	13316	62030	22151	15600	53301	81630		
Gorleston	497	82811	56268	20802	874//	01005	88715		
Aberporth	502	61605	82011	25502	656//	01801	86644		
Filton	628	00000	40050	25552	00900	53503			
Rhoose	715	10204	80028	25501	00901	52501	81075		
Hartland Point	703	01313	89021	24703	00900	51202			
Mount Batten	827	10805	70021	24801	15600	50704	81630		
St.Mawgan	817	00908	80016	25002	00900	50506			
Scilly	804	81313	82026	23606	883//	05607	83806	88619	
Culdrose	809	20805	70018	24403	25600	02611	82635		
Guernsey	894	50507	83802	24005	58500	51809	83828	84645	
Elmdon	534	03004	56110	25454	00900	55000			
Cardington	559	32906	57100	24154	35700	55502	83650		
Wittering	462	03111	70020	23551	00900	54601			
Watnall	354	02705	66020	24652	00900	54701			
Shawbury	414	10000	60114	25152	15500	53803	81626		
Finningley	360	02807	70020	23751	00900	54400			
Spurn Point	396	23117	60028	22602	20970	00205	82360		
Leeming	257	02706	89020	24752	00900	55202			
Tynemouth	262	02513	81020	23850	00900	55103			
Carlisle	222	02102	70020	25353	00900	54102			
Valley	302	80000	82028	25704	885//	02801	82828	88650	
Ringway	334	00000	35040	25852	00900	53202			
Squires Gate	318	00302	60020	25651	00900	54001			
Ronaldsway	204	10107	86011	26352	12501	54103	81825		
Mull of Galloway	131	10210	86010	26501	15600	51802	81630		
Eskdalemuir	162	00000	80020	26056	00900	58802			
Prestwick	135	01302	57040	26455	00900	56001			
Abbotsinch	140	22702	62040	25955	00901	56805	82078		
Leuchars	171	12810	89020	23751	15500	55709	81625		
Dyce	091	42612	75011	21200	48400	52711	82815	83625	
Lerwick	005	83427	20868	18051	893//	52216	88908		
Wick	075	73317	40858	21701	734//	51302	82912	86816	
Sule Skerry	010	63612	63268	22702	694//	01210	82915	86820	
Cape Wrath	049	40205	80028	23304	45500	51400	84620		
Stornoway	026	73214	56878	25701	794//	50306	85916	85640	
Benbecula	022	70105	70838	26602	784//	02104	84812	86626	
Tiree	100	33109	87011	26204	21502	52706	82820		
Aldergrove	917	70000	50102	27601	756//	00205	87632		
Malin	980	33510	86011	26706	22530	53002	82822		
Belmullet	976	10708	70020	26602	15600	01207	81638		
Birr	965	00701	66020	26952	00900	53105			
Dublin	969	00000	80010	26951	00900	52305			
Shannon	962	80705	70022	26304	864//	03112	83711	86716	88627
Roches Point	952	80908	58206	25407	864//	04010	87716	88627	
Valentia	953	81005	50206	24307	862//	06122	88704		

OBSERVATIONS at 06h. — 27 November 1978

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	03002	60020	24954	00900	55501			
862	00000	65020	24658	00900	59400			
797	53213	70031	21401	56300	00604	85708		
776	03106	58040	23154	00900	55706			
775	02201	58100	22753	00900	54805			
772	02903	59020	22853	00900	54706			
586	12811	68020	21353	15600	55808	81630		
590	03213	60020	21452	00900	54707			
497	23012	66268	20002	23500	01708	82920		
502	43509	82201	24705	45500	01608	81622	83635	
628	20000	57050	25254	00901	55501	82075		
715	30302	81030	25151	00901	53501	83075		
703	20506	89011	24406	22500	01602	82825		
827	00000	75020	24851	00900	52201			
817	30805	80020	25200	30970	52302	83362		
804	70909	82031	24807	755//	04304	87623		
809	50407	70031	25302	50930	51303	85360		
894	20205	85018	23204	28500	54801	81826		
534	03003	59040	24354	00900	55706			
559	02705	60050	22955	00900	56805			
462	02909	75020	22652	00900	55608			
354	02907	74020	23352	00900	56807			
414	02605	70020	24654	00900	55400			
360	02708	65020	21653	00900	56718			
396	02719	70020	20802	00900	53813			
257	22714	89030	22450	25700	55714	82650		
262	52816	81031	21650	50930	54709	85359		
222	11802	65030	23954	10930	55609	81362		
302	80605	82031	25001	856//	51807	88630		
334	01902	25100	24854	00900	55602			
318	00802	75020	24455	00900	57709			
204	13407	86020	25251	15601	52604	81635		
131	13412	86020	25302	15600	52709	81630		
162	13012	83020	23752	15600	56708	81630		
135	61002	70031	24653	65600	54510	86645		
140	32706	80011	24353	25631	55607	82640		
171	22708	89021	22701	25600	54605	81636		
091	63317	62268	21100	694//	51302	81915	86625	
005	83222	04868	21253	892//	55112	88904		
075	43425	80268	23500	49460	50213	81710	83915	
010	83417	50268	24702	894//	01210	87910	88815	
049	50512	70878	25901	53500	51314	85920		
026	70117	70038	26203	784//	53307	83818	87640	
022	60312	75268	26802	684//	01309	83815	85643	
100	63414	87031	25105	685//	50805	82820	84650	
917	41502	25101	26400	45600	50505	84632		
980	23209	86011	26106	28500	54704	81822		
976	80904	70031	25703	854//	01501	83719	88640	
965	70000	40101	26552	756//	52702	87630		
969	50000	80031	26350	00902	53501	85070		
962	81107	70032	25804	854//	01503	81715	86625	86650
952	80612	65022	25505	854//	03502	82717	88629	
953	81106	82605	24308	856//	06703	88632		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00553	62	+	+
862	00583	61	+	+
797	00010	51	+	+
776	00543	59	+	+
775	00563	64	+	+
772	00543	60	+	+
586	97533	55	+	+
590	00533	55	+	+
497				
502	97011	53	+	id_o
628	00563	63	+	+
715	00513	58	+	+
703	00020	51		
827	00523	56	+	+
817	00513	54	+	+
804	94051	05	r_or_o	+
809	97013	53	ir_o	+
894	97031	53	pr_o	+
534	00553	61	+	+
559	00573	62	+	+
462	00533	56	+	+
354	00533	55	+	+
414	00565	61	if	+
360	00533	56	+	+
396			+	+
257	00533	57	+	+
262	00523	53	+	+
222	00543	60	+	+
302	00001	53	+	+
334	00553	60	+	+
318	00553	59	+	+
204	00521	56	+	+
131	00012			
162	00575	59	+	+
135	00553	59	+	+
140	00553	59	+	+
171	97523	55	+	ps_o
091	01516	53	ps_oph_o	ps_ops
005	02547	56	ph_opsps_oks	$ps_okspsks$
075	94505	53	$ps_opr_os_oph_o$	$ps_opr_os_oph_o$
010	01515	51		
049	92513	52	ir_oph_o	ph_ops_o
026	96016	51	ph_or_o	+
022	94011	51	pr_os_o	pr_os_o
100	01011	55	+	$prph_or_o$
917	00525	55	jf	jf
980	0004	01		
976	9701	51		
965	9753	56		
969	9751	58		
962	9703	03		
952	9305	04		
953	0106	06		

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	27001	91814	93435	13710	9////	00702	/////	/////	00510	10796	3//06	17/11
	99570	70200	27004	81811	95636	17210	872//	00726	88703	/////	0//11	11088	30703	25104
	99657	10018	27004	73124	97268	15852	79400	00808	/////	/////	0//55	10634	30505	/////
	99470	70169	27004	83020	97022	34514	856//	00712	88630	/////	0//14	11455	30604	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	27061	81718	94616	04110	8742/	00650	/////	/////	00610	10808	3//11	17/14
	99570	70201	27064	83019	97216	18610	863//	00323	88706	/////	0//09	11090	30804	99/04
	99656	10018	27064	63232	97858	16251	69400	00216	/////	/////	0//56	10632	30707	/////
	99469	70167	27064	83022	97032	32114	856//	00809	88630	/////	0//14	11444	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. Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

No. 42740

Date of Issue TUESDAY 28 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 27 November 1978

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	13409	68011	23602	00901	52808	81075		
Hurn	862	13308	65010	23804	00901	51806	81075		
Manston	797	13117	66021	18903	15700	53823	81656		
Gatwick	776	03310	62010	21802	00900	53711			
Kew	775	03108	65020	21402	00900	54814			
Heathrow	772	03207	62010	21703	00900	55810			
Honington	586	12916	72020	19302	18432	53814	81818		
Wattisham	590	13116	65020	19501	15600	53715	81640		
Gorleston	497	52818	66267	16703	53500	51721	85925		
Aberporth	502	73610	89021	24605	785//	02809	81820	87630	
Filton	628	13409	64020	24104	00901	51809	81070		
Rhoose	715	42906	80031	24505	45600	50808	84645		
Hartland Point	703	63610	89021	24607	5853/	50802	83825	84630	85360
Mount Batten	827	73502	65021	24605	785//	02707	81825	87650	
St.Mawgan	817	72406	84021	25107	68531	01807	83825	85630	
Scilly	804	60000	82012	25609	6567/	05806	86630		
Culdrose	809	52903	70012	25506	28431	50805	81818	83359	
Guernsey	894	73613	86031	23606	716/2	55501	87830		
Elmdon	534	63411	61041	22503	656//	54815	86640		
Cardington	559	13110	59050	21303	10930	53812	81365		
Wittering	462	13115	62050	20702	00901	54713	81075		
Watnall	354	13111	81030	22003	15600	57609	81635		
Shawbury	414	72708	75261	23301	785//	51813	82820	87630	
Finningley	360	13014	80020	21203	18500	54806	81820		
Spurn Point	396	53225	66268	19402	33570	51709	83925	85360	
Leeming	257	43318	75278	22303	48500	52302	82820	84636	
Tynemouth	262	73220	69028	21902	6363/	54103	86930		
Carlisle	222	53003	70031	24802	39463	53209	81917	83640	
Valley	302	73212	80152	24707	786/1	50807	83833	87640	
Ringway	334	70204	15041	23500	756//	51711	87645		
Squires Gate	318	20305	75011	23704	28500	51705	81822		
Ronaldsway	204	73509	86038	24705	785//	01602	84820	87640	
Mull of Galloway	131	70317	86021	24905	785//	51725	81820	87630	
Eskdalemuir	162	43511	84020	24301	48500	53202	83825		
Prestwick	135	10308	65011	25103	18501	53003	81825		
Abbotsinch	140	40208	82031	25603	38501	54107	81828		
Leuchars	171	53512	82028	24602	48540	58106	82828	83640	
Dyce	091	33219	65268	23350	29463	54207	81915		
Lerwick	005	23413	60368	23253	29400	55107	82910		
Wick	075	33621	80158	25500	23460	54007	82815	81915	
Sule Skerry	010	73518	65158	26502	794//	00205	86910	87820	
Cape Wrath	049	70209	70878	27201	794//	00102	87915		
Stornoway	026	63614	82022	28002	655//	56001	83624	86636	
Benbecula	022	70514	86021	28302	784//	53105	81818	87640	
Tiree	100	63616	89148	27204	684//	51110	81818	86627	
Aldergrove	917	63002	75018	26403	58430	01801	81710	83820	
Malin	980	70317	86808	26306	785//	02000	85820	85640	
Belmullet	976	71007	84032	25806	65632	01503	86642		
Birr	965	70000	83012	26902	556/2	02702	85636	84070	
Dublin	969	12905	84011	25904	18502	53805	81824		
Shannon	962	81107	65102	25702	864//	02808	83712	86715	88620
Roches Point	952	80707	75026	25707	864//	05805	85718	88632	
Valentia	953	81307	82036	24710	854//	08803	81714	85636	87656

OBSERVATIONS at 18h. 27 November 1978

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
746	13209	75021	22101	15600	52103	81645		
862	63006	75011	22103	656//	51400	86647		
797	63221	70261	16903	684//	51801	84816	85645	
776	03108	62010	19800	00900	53601			
775	13209	65020	20002	10940	53301	81360		
772	13108	60020	20101	15700	52304	81650		
586	63018	62268	17600	683//	53301	82709	84815	
590	63222	57858	17400	684//	51500	84815	85622	
497	63414	60808	14903	695//	52802	86920		
502	73314	62801	23205	784//	04802	87818		
628	33505	75011	22803	35600	50104	82630		
715	63306	82031	23102	655//	51001	81625	86630	
703	43408	89011	23507	42600	53400	84830		
827	40000	50041	23703	45700	02000	84650		
817	63510	80022	24006	68500	01001	83820	84632	
804	83106	80022	24908	856//	05002	88640		
809	70205	65216	24306	755//	04102	83625	87640	
894	63617	86012	22306	685//	53001	82825	85635	
534	13310	62041	22300	00901	55309	81075		
559	43312	68030	20501	45600	52304	84640		
462	23218	64010	20001	25600	54302	82630		
354	23208	80030	21800	25700	57107	82650		
414	63508	68038	23301	656//	53307	86630		
360	43218	82030	20901	45600	56207	84638		
396	53126	58262	18202	4347/	00400	84915	85360	
257	53214	80038	22400	48501	52213	81824	84634	
262	63430	66268	21902	636//	01309	86930		
222	23310	81021	24751	28400	54009	81818		
302	70210	84038	24405	785//	01207	81820	87630	
334	13310	75021	23600	15600	52109	81645		
318	10307	70020	24600	18500	55214	81823		
204	70407	84032	25801	785//	53120	81820	87634	
131	10520	84011	26401	15600	56319	81630		
162	13212	82021	25053	15600	57008	81635		
135	33605	80020	26452	00901	55110	83072		
140	03303	86010	26852	00900	55110			
171	23415	84028	25350	28500	55004	81828		
091	43315	60268	24552	49401	52010	81910	83645	
005	33312	70018	24952	39400	55211	81910		
075	43518	75278	26450	49460	54208	83915		
010	73621	66158	27702	694/3	01211	84910	86820	
049	80211	70878	28201	894//	00208	88915		
026	70113	82012	28802	755//	54307	82625	87640	
022	30410	81021	29501	28402	51311	81818	83075	
100	70212	85022	27803	756//	53305	87633		
917	60507	70028	26702	655//	51207	86625		
980	70316	89028	26805	755//	51206	87629		
976	40806	84011	25603	456//	51104	84642		
965	31901	81011	26400	35600	51501	83638		
969	63203	80031	25802	45602	50304	84640	83070	
962	81107	59205	25605	863//	03500	83706	86710	87718
952	80304	65022	25306	864//	04301	88715		
953	80905	65505	23409	854//	08704	84716	88635	

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00043	053	+	+
862	00053	046	+	+
797	97040	069	+	ps$_o$
776	00033	074	+	+
775	00041	069	+	+
772	00043	073	+	+
586	92037	062	+	ps$_o$ps
590	93027	073	+	ps$_o$pspSs$_o$ss
497		037		
502	00061	024	+	pr$_o$
628	00061	031	jf	+
715	00051	032	+	+
703	00070	004		
827	00061	013	+	+
817	00081	028	+	+
804	00090	007	+	+
809	91062	028	+	ir$_o$pr$_o$
894	00071	018	+	+
534	00033	054	+	+
559	00041	073	+	+
462	00033	075	+	+
354	00043	066	+	+
414	91035	007	ps$_o$	+
360	97043	066	+	ps$_o$
396			psps$_o$	pr$_o$s$_o$ph$_o$
257	97033	049	ph$_o$	+
262	02026	012	ps$_o$	ps$_o$prsph
222	00033	056	+	+
302	92071	005	pr$_o$	+
334	00033	041	+	+
318	00053	046	+	+
204	95063	006	pr$_o$–pr$_o$s$_o$	jp
131	00071			
162	00015	063	+	+
135	00033	048	+	+
140	00033	043	+	+
171	97023	036	+	ps$_o$
091	01016	026	ps$_o$pspSf	ps$_o$pspS
005	01517	022	ps$_o$ks	ps$_o$ks
075	97015	036	ph$_o$	ph$_o$ph$_o$s$_o$
010	91051			
049	97025	006	ph$_o$ps$_o$	ph$_o$
026	00025	002	+	+
022	00033	041	+	+
100	97051	004	ph$_o$r$_o$	jp
917	97043	005	ps$_o$pr$_o$	
980	9407	013		
976	9706	001		
965	9705	020		
969	9705	069		
962	9705	000		
952	9708	000		
953	9111	004		

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

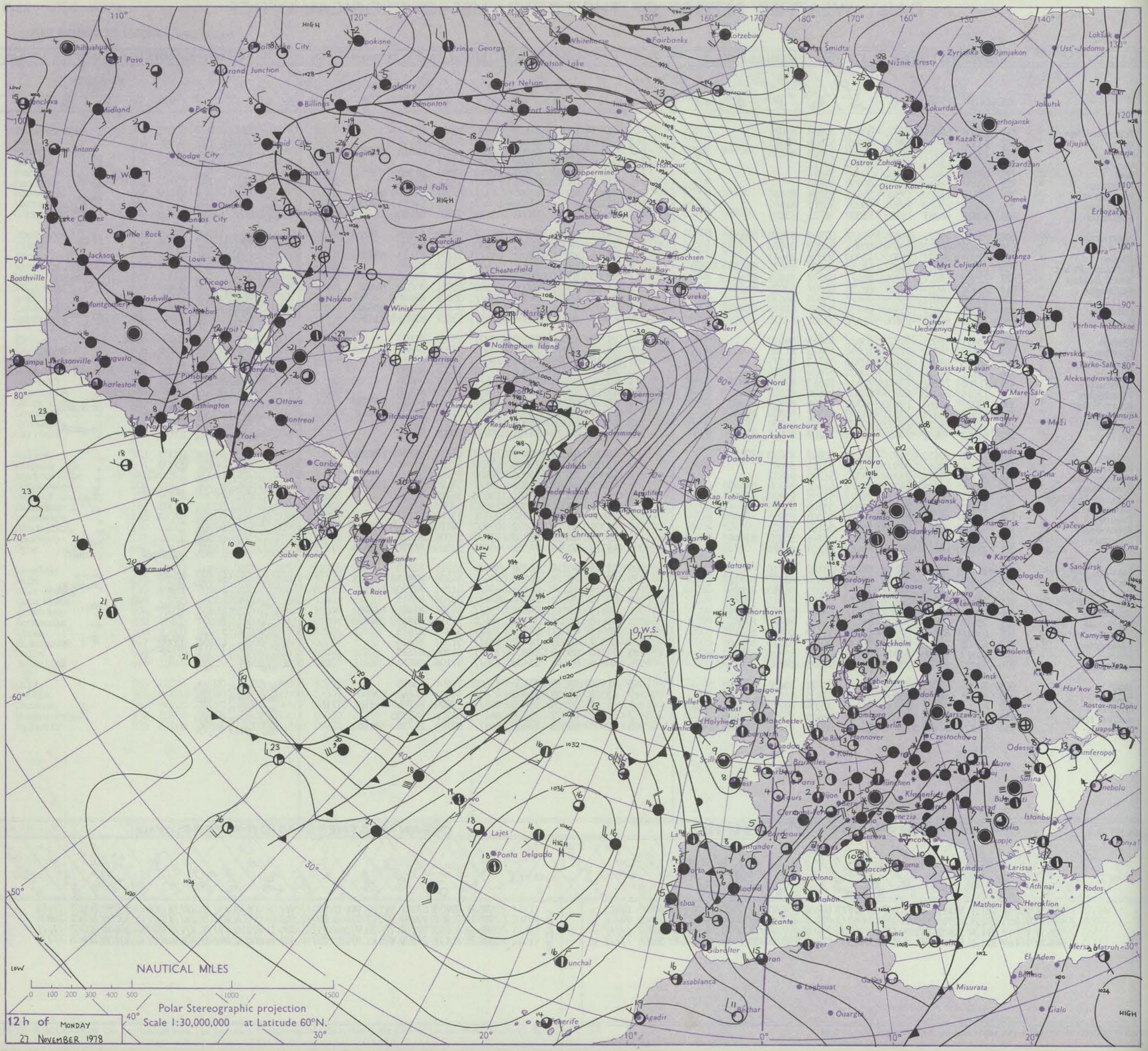
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vsapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	27121	91812	91456	03710	9////	00606	/////	/////	00410	10811	30405	18413
	99570	70203	27124	82710	98032	20910	862//	00107	88704	/////	0//10	11105	30502	99/04
	99659	10017	27124	73432	97268	18550	79400	71207	/////	/////	0//56	10661	30707	/////
	99470	70169	27124	53022	96032	32115	32530	00803	83820	83360	0//13	11470	30605	/////

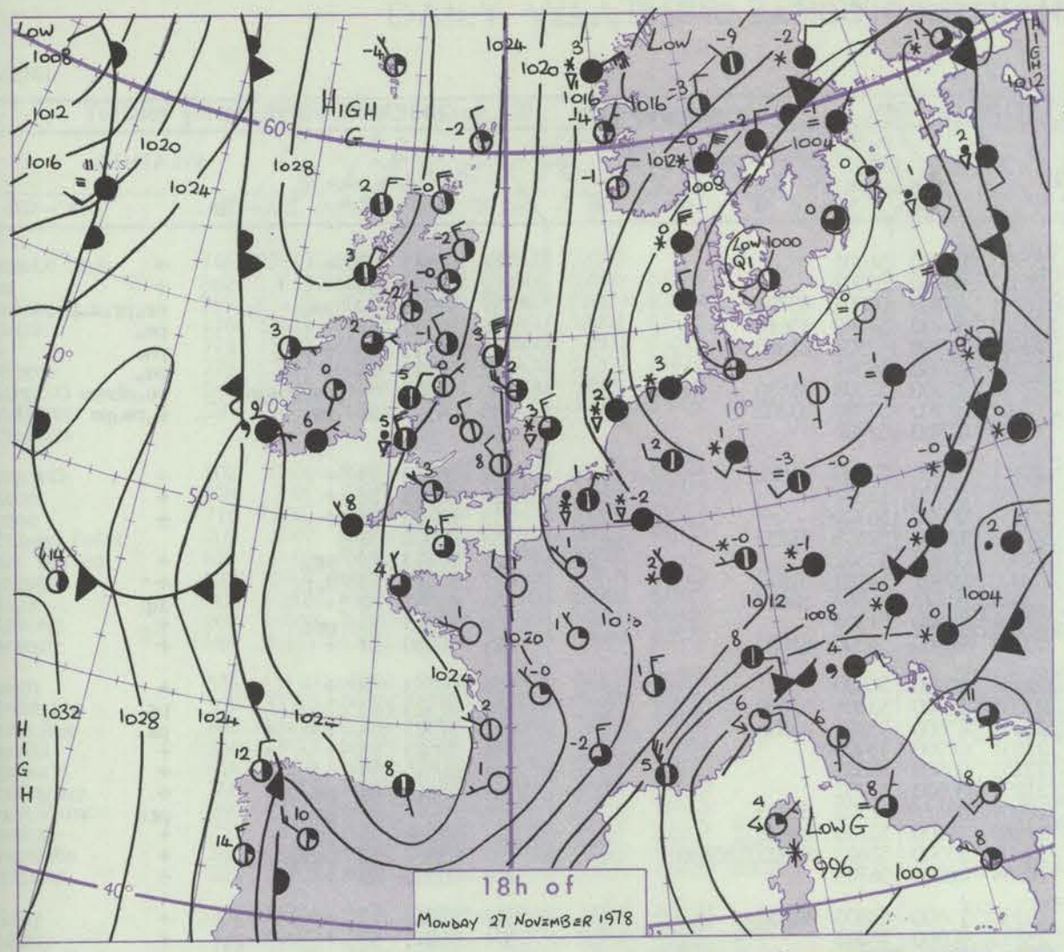
OCEAN WEATHER STATION REPORTS at 18h.

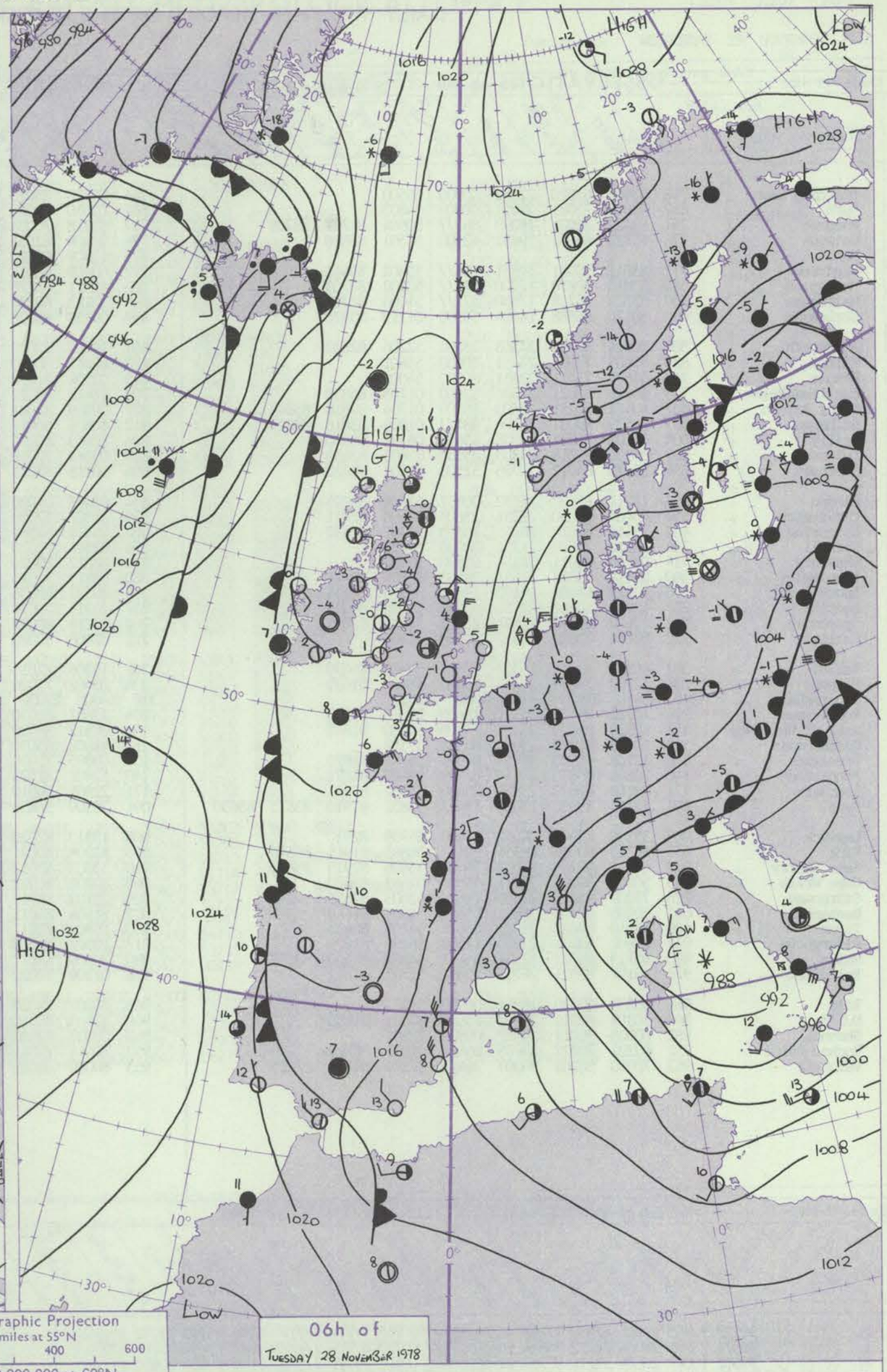
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGIw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vsapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	27181	91714	91605	98510	9////	00620	/////	/////	00410	10790	30807	18413
	99571	70202	27184	82013	93466	19910	862//	00504	88703	/////	0//11	11096	30502	24904
	99662	10017	27184	73028	97268	21751	79400	81210	/////	/////	0//54	10644	30707	/////
	99472	70171	27184	43115	97011	30714	48530	00801	81820	83650	0//12	11454	30605	/////

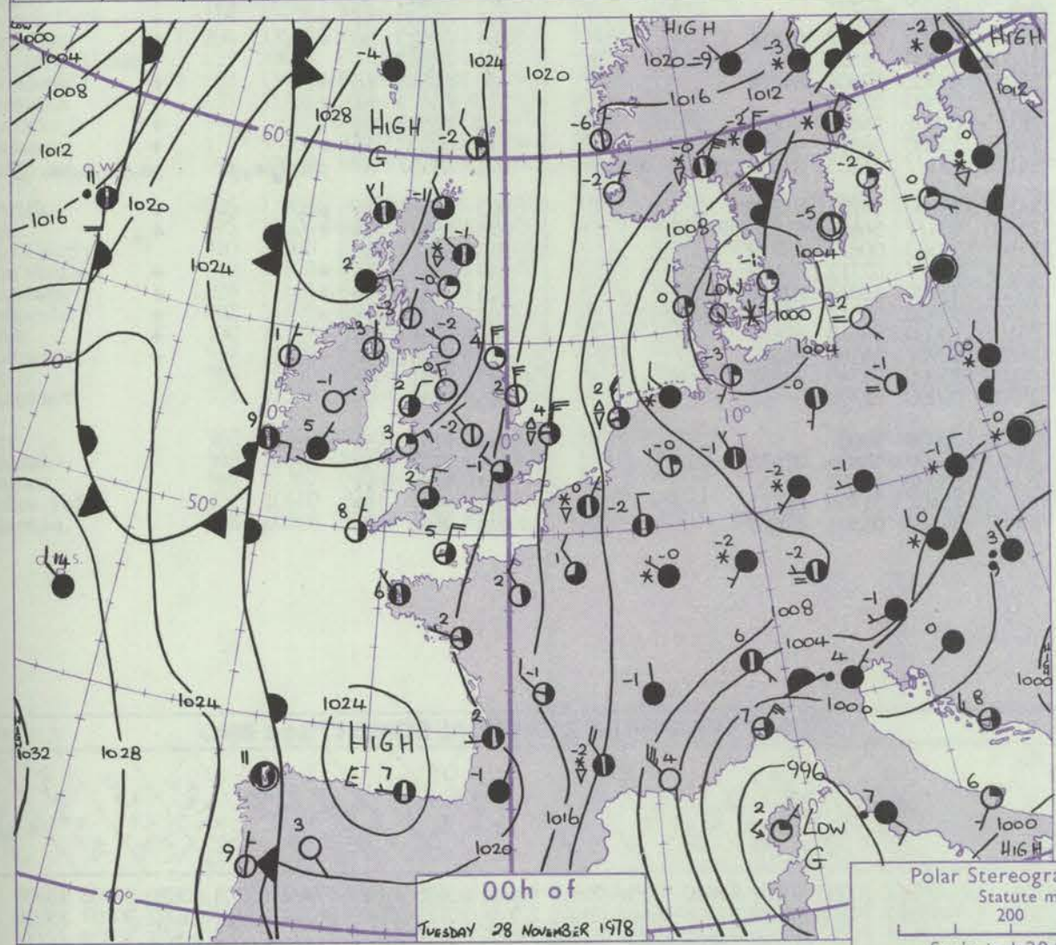
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 TUESDAY 28 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

An anticyclone east Iceland with an associated ridge to Ireland has transferred to Scotland. An anticyclone over north east Greenland has moved to Spitzbergen and a complex depression over Scandinavia has filled. A depression in the Gulf of Genoa has moved slowly southeast.

During the next 24 hours the high over Scotland is expected to transfer to Scandinavia and the Mediterranean low will move to the Adriatic. A depression off southeast Greenland will move to the Denmark Strait and its associated occluding frontal system will move east into the Hebrides and western Ireland by tomorrow morning.

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

Code FM 11.V — OBSERVATIONS at 00h. — 28 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s C_h h_s$	$8N_s C_h h_s$	$8N_s C_h h_s$
Boscombe Down	746	03408	65020	22352	00900	55500			
Hurn	862	03610	75021	21851	00900	54803			
Manston	797	83422	70031	16003	863//	00504	81707	88709	
Gatwick	776	63312	66031	19651	62500	55501	86820		
Kew									
Heathrow	772	63011	70031	19851	656//	55802	86641		
Honington	586	83410	22878	17800	872//	50202	88703		
Wattisham	590	83315	16718	17650	872//	51004	88703		
Corleston	497	50126	66888	16104	59500	01213	85920		
Aberporth	502	20414	81018	24303	28500	52206	82820		
Filton	628	03608	70021	23451	00900	55801			
Rhoose	715	03604	75021	23651	00900	54002			
Hartland Point	703	50414	89021	22406	52600	01705	85830		
Mount Batten	827	60402	50251	22503	68500	01704	82828	85643	
St.Mawgan	817	83509	80031	23106	884//	01804	83818	88625	
Scilly	804	40107	82031	23808	45670	06702	84630		
Culdrose	809	20105	70018	23305	25600	02805	82630		
Guernsey	894	50120	84012	20705	52500	54803	85820		
Elmdon	534	13211	65020	22552	00902	57804	81075		
Cardington	559	43407	66030	20351	25603	54500	82631		
Wittering	462	13416	80020	20151	15600	54301	81630		
Watnall	354	03312	75010	21751	00900	54602			
Shawbury	414	03008	80011	24152	00900	55000			
Finningley	360	23218	75028	21651	28400	52104	81711		
Spurn Point	396	13623	64028	19102	13400	51303	81915		
Leeming	257	43216	60268	22751	45600	53002	84635		
Tynemouth	262	23420	69028	22601	23500	51313	82925		
Carlisle	222	03003	82020	25352	00900	55301			
Valley	302	40310	82021	25302	45600	54803	84630		
Ringway	334	12102	75020	24152	15600	55801	81635		
SquiresGate	318	03410	81020	24750	00900	55802			
Ronaldsway	204	10112	84021	26151	15600	54003	81640		
Mull of Galloway	131	10318	86020	27201	15600	54500	81640		
Eskdalemuir	162	03509	81020	25953	00900	57302			
Prestwick	135	10202	68020	27453	00901	56701	81070		
Abbotsinch	140	22605	80030	27654	00901	56400	82075		
Leuchars	171	23108	86020	25951	25600	55802	82645		
Dyce	091	73111	59858	25051	794//	53802	81910	83815	85630
Lerwick	005	33309	75268	24652	39400	55709	82910		
Wick	075	63310	80038	26351	694//	56805	81915	86645	
Sule Skerry	010	60212	80268	27002	59403	53806	82915	85820	
Cape Wrath	049	50205	80028	27901	55500	01603	85620		
Stornoway	026	73207	82022	28301	756//	52803	87632		
Benbecula	022	20306	82010	28552	15601	54803	81640		
Tiree	100	80510	84022	28202	856//	54201	88635		
Aldergrove	917	13602	80031	27953	15500	56102	81625		
Malin	980	60713	86012	27504	556/2	54202	85630	83070	
Belmullet	976	10107	82021	26701	15600	51502	81642		
Birr	965	00303	80020	26951	00900	52501			
Dublin	969	20303	80011	26402	15630	53501	81632		
Shannon	962	00905	70011	26302	00900	52801			
Roches Point	952	80207	70022	25605	864//	01001	88719		
Valentia	953	70910	58205	24009	764//	07104	84711	87623	

OBSERVATIONS at 06h. — 28 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s C_h h_s$	$8N_s C_h h_s$	$8N_s C_h h_s$
Boscombe Down	746	03510	75020	21753	00900	56301			
Hurn	862	03610	75020	21352	00900	55302			
Manston	797	53218	70038	16101	58300	00804	83706		
Gatwick	776	33404	62031	19553	35400	54102	83614		
Kew	775	13409	62020	19451	10940	52301	81360		
Heathrow	772	03409	68011	19351	00900	54301			
Honington	586	12811	65278	17751	15600	52503	81630		
Wattisham	590	33113	60228	17552	37100	52000	83702		
Corleston	497	00130	66028	15505	00900	52707			
Aberporth	502	10607	82020	24101	11500	52400	81820		
Filton	628	03611	80020	22752	00900	55301			
Rhoose	715	03508	81020	23151	00900	56301			
Hartland Point	703	10417	85021	22403	11600	52505	81835		
Mount Batten	827	00309	82021	22401	00900	53502			
St.Mawgan	817	10609	80016	23000	00901	54102	81070		
Scilly	804	80613	80205	22408	855//	05507	88623		
Culdrose	809	00511	70018	22401	00900	51301			
Guernsey	894	10115	83011	19703	12500	54500	81825		
Elmdon	534	03107	65020	22454	00900	56000			
Cardington	559	33307	57050	20351	35700	53305	83650		
Wittering	462	43414	64261	20451	45600	53304	84635		
Watnall	354	03514	75020	21451	00900	53400			
Shawbury	414	03212	80020	23253	00900	55805			
Finningley	360	03113	75010	21251	00900	53703			
Spurn Point	396	80223	68038	19404	834//	01302	88915		
Leeming	257	33114	70028	22650	35600	52705	83636		
Tynemouth	262	53218	80028	22601	53500	52603	82925	85630	
Carlisle	222	02403	80020	24654	00900	56705			
Valley	302	10106	82010	24350	15600	53805	81630		
Ringway	334	03402	75020	23553	00900	55803			
SquiresGate	318	00308	82020	24052	00900	55705			
Ronaldsway	204	13607	86030	25151	18400	54607	81818		
Mull of Galloway	131	00312	86020	26000	00900	55503			
Eskdalemuir	162	41008	84030	25053	00902	57606	84074		
Prestwick	135	00805	75020	25956	00900	58809			
Abbotsinch	140	12402	82020	26155	00901	56811	81075		
Leuchars	171	22605	86010	24851	25700	54811	82650		
Dyce	091	73109	56858	24150	733//	55805	82909	83812	87625
Lerwick	005	13313	82020	24151	15600	54705	81630		
Wick	075	63208	80021	25100	684//	56608	81818	86645	
Sule Skerry	010	53603	82012	25602	33503	00611	83920		
Cape Wrath	049	80202	80022	25702	855//	02712	88620		
Stornoway	026	23103	82011	26051	25600	52612	82640		
Benbecula	022	51604	84011	25850	35502	53612	81620	85075	
Tiree	100	10909	86011	26201	15600	54613	81635		
Aldergrove	917	10502	82020	26653	00901	56506	81070		
Malin	980	30909	84011	25803	35600	53710	83832		
Belmullet	976	01109	70020	24700	00900	52709			
Birr	965	00000	75020	25554	00900	56607			
Dublin	969	33603	80010	25052	35600	54806	83635		
Shannon	962	00803	80020	25001	00900	51802			
Roches Point	952	10514	70011	24602	15400	51705	81717		
Valentia	953	80000	62022	23007	855//	06505	88625		

OBSERVATIONS during NIGHT

Station	iii	RRT$_n$T$_n$E	$T_g T_g$	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00543	59	+	+
Hurn	862	00533	57	+	+
Manston	797	91011	00	ps$_o$	pr$_o$pr$_o$s$_o$ps$_o$
Gatwick	776	97533	56	+	ps$_o$
Kew	775	97513	55	+	ps$_o$
Heathrow	772	97523	55	+	ps$_o$
Honington	586	03527	54	ps$_o$phsps	ps$_o$phsps
Wattisham	590	04527	55	sss$_o$s$_o$	s$_o$ps$_o$ps
Corleston	497				
Aberporth	502	00513	55	+	+
Filton	628	00533	58	+	+
Rhoose	715	00523	56	+	+
Hartland Point	703	00020	51		
Mount Batten	827	97513	54	pr$_o$	+
St.Mawgan	817	97513	55	d$_o$r$_o$	+
Scilly	804	92051	02	+	id$_o$
Culdrose	809	97513	53	pr$_o$	+
Guernsey	894	00030	01	+	+
Elmdon	534	00553	58	+	+
Cardington	559	97523	55	1	ps$_o$
Wittering	462	97525	54	+	ps$_o$
Watnall	354	00523	55	+	+
Shawbury	414	00545	59	+	+
Finningley	360	97515	54	ps$_o$	+
Spurn Point	396			ps$_o$	prs
Leeming	257	92516	54	ps$_o$	+
Tynemouth	262	02537	52	pshps	+
Carlisle	222	00553	59	+	+
Valley	302	00523	57	+	+
Ringway	334	00543	59	+	+
SquiresGate	318	00533	57	+	+
Ronaldsway	204	00523	56	+	+
Mull of Galloway	131	00513			
Eskdalemuir	162	00545	60	+	+
Prestwick	135	00573	61	+	+
Abbotsinch	140	00573	62	+	+
Leuchars	171	00533	56	+	+
Dyce	091	01537	57	pSfphps$_o$ps	ps$_o$ph$_o$s$_o$ps$_o$
Lerwick	005	93537	56	ps$_o$	+
Wick	075	00525	54	+	+
Sule Skerry	010	97011	00		
Cape Wrath	049	00513	51	+	+
Stornoway	026	00515	55	+	+
Benbecula	022	00533	61	+	+
Tiree	100	00513	55	+	+
Aldergrove	917	00553	56	+	+
Malin	980	0051	54		
Belmullet	976	9750	52		
Birr	965	9755	57		
Dublin	969	9752	59		
Shannon	962	9750	53		
Roches Point	952	0001	50		
Valentia	953	9406	03		

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s C_h h_s$	$8N_s C_h h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	28001	82908	97808	96206	834//	00712	/////	/////	05206	10798	3//02	18/10
L	99571	70202	28004	71722	96616	16610	772//	00723	87704	/////	0//11	11098	30704	23905
M	99662	10017	28004	53220	97268	22850	59400	00101	/////	/////	0//55	10638	30405	/////
R	99471	70170	28004	82909	97031	29514	856//	00810	88630	/////	0//13	11452	30000	31704

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s C_h h_s$	$8N_s C_h h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	28061	42410	97258	95907	43400	00506	/////	/////	05203	10820	3//03	18/09
L	99572	70202	28064	81728	96616	08511	872//	00740	83703	86704	0//11	11082	30807	21006
M	99661	10017	28064	73112	97858	22650	79400	00802	/////	/////	0//55	10631	30303	/////
R	99471	70168	28064	82714	97022	25814	856//	00612	88630	/////	0//10	11442	30301	31704

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. 42741

Date of Issue WEDNESDAY 29 NOVEMBER 1978

Code FM 11.V **OBSERVATIONS at 12h.** 28 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
Boscombe Down	746	03313	68021	21401	00900	53803			
Hurn	862	13612	62030	20902	00901	52806	81080		
Manston	797	63418	65038	16403	52363	01000	85809		
Gatwick	776	13411	61018	19201	18400	52801	81814		
Kew	775	13412	65028	19403	18440	52803	81815		
Heathrow	772	13413	63038	19402	18430	51702	81812		
Honington	586	22813	57268	18051	28300	52805	81808		
Wattisham	590	73215	50268	17850	781//	50803	83702	86640	
Gorleston									
Aberporth	502	10606	86020	23403	11540	51808	81822		
Filton	628	13507	75020	22802	00901	52002	81075		
Rhoose	715	12803	80020	23004	11430	55004	81812		
Hartland Point	703	10707	84010	22703	11600	53002	81835		
Mount Batten	827	03606	89010	22204	00900	52805			
St.Mawgan	817	20707	86030	22804	12501	52804	81825		
Scilly	804	10808	81021	22907	11500	04802	81825		
Culdrose	809	10608	80020	22804	11400	54804	81818		
Guernsey	894	30111	85011	20305	32500	53001	83822		
Elmdon	534	13110	60040	21901	00901	54802	81075		
Cardington	559	33310	64028	19902	15630	54809	81640		
Wittering	462	13413	63038	20002	18500	52805	81820		
Watnall	354	13613	68020	21002	10941	55805	81362		
Shawbury	414	13209	64040	22702	15501	52807	81625		
Finningley	360	23213	70020	20902	25601	53807	82640		
Spurn Point	396	43016	66011	19204	42405	03706	84815		
Leeming	257	43412	82011	22001	48400	52807	81815	83650	
Tynemouth	262	63216	61028	21901	635//	51306	82925	84630	
Carlisle	222	32803	80011	23701	18531	54811	81820	83078	
Valley	302	23506	84011	23604	28641	51809	81830		
Ringway	334	42603	58040	23001	11701	53806	81850	84075	
Squires Gate	318	10108	70010	22902	18501	53813	81825		
Ronaldsway	204	33606	89011	23703	18631	55810	81835		
Mull of Galloway	131	20605	86010	24302	11530	54805	81820		
Eskdalemuir	162	13610	84020	23601	00902	55709	81075		
Prestwick	135	12702	58041	24900	15632	54611	81630		
Abbotsinch	140	12602	75021	24802	15701	54714	81656		
Leuchars	171	53009	82021	23802	48402	56812	81818	83656	
Dyce	091	22912	84018	23201	18402	52710	81818		
Lerwick	005	73307	84021	23300	38426	53807	81814	84460	87268
Wick	075	72606	84022	23901	48535	52709	81820	84635	87072
Sule Skerry	010	80000	89022	23603	4857/	01715	82820	84625	88460
Cape Wrath	049	71902	81012	23801	755//	01715	87620		
Stornoway	026	72105	81021	23203	754//	51720	81618	83628	87650
Benbecula	022	51809	84021	23503	38532	51712	81820	83630	
Tiree	100	11210	89010	23904	18501	54816	81822		
Aldergrove	917	11902	62040	24801	15630	53811	81630		
Malin	980	21510	89010	24003	15631	54711	81630		
Belmullet	976	31308	83031	21904	25632	51715	82640		
Birr	965	21902	82030	24303	15602	51804	81636		
Dublin	969	33402	80011	23902	35600	52808	83635		
Shannon	962	11307	70020	23403	15439	51710	81718		
Roches Point	952	10610	81010	23605	18402	02606	81817		
Valentia	953	80703	70022	22008	854//	06806	82715	88623	

OBSERVATIONS at 18h. 28 November 1978

iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
746	13507	62020	21051	00901	54203	81075		
862	03508	65010	20301	00900	51201			
797	53218	74261	15803	58400	01705	82810	83612	
776	03307	57048	18901	00900	52104			
775	13412	68021	18702	15700	53002	81650		
772	03209	60020	18602	00900	50000			
586	32914	45108	17600	38200	51105	81703	83630	
590	63217	56108	17100	662//	51003	86703		
497	70230	64257	15306	774//	02400	87715		
502	71303	86031	21801	756//	53704	87631		
628	13605	65010	21601	00901	53003	81075		
715	10302	82010	21850	11500	52101	81825		
703	30205	84020	21104	31540	53803	83825		
827	20306	75010	21002	00901	52001	82075		
817	10706	82010	21201	11500	54804	81825		
804	30000	82020	21203	11541	53605	81821		
809	10405	70010	21401	15600	55603	81640		
894	50209	84031	19404	52501	53101	85820		
534	03108	40040	21551	00900	54104			
559	73410	60051	19602	756//	52104	85638	87649	
462	53411	60021	19701	55600	51001	85638		
354	13308	60020	21050	10940	53101	81360		
414	13306	64040	22151	00901	53004	81075		
360	73111	62038	20901	756//	52305	87642		
396	50118	66028	19405	53400	01208	85915		
257	33106	80011	21951	38500	52302	81820	83630	
262	53212	61028	21901	53600	50000	85930		
222	20000	70021	23052	15601	54001	81640		
302	23505	86010	22101	25600	53606	82635		
334	12502	50040	22351	15700	52103	81650		
318	20405	59040	22700	15601	53302	81640		
204	23606	82011	22751	11501	53603	81822		
131	11105	86020	23002	11500	56706	81820		
162	13404	84021	23352	15600	56500	81640		
135	31503	59040	23453	15632	54505	81640		
140	30000	62041	23452	35701	53702	83650		
171	62406	80031	22900	656/2	53701	82635	85650	
091	70302	81031	22900	756//	53102	82632	87638	
005	52203	88021	22551	35631	53203	83640	83072	
075	22703	84011	22352	25531	54708	81625		
010	71614	84018	21304	38578	03712	81820	83625	86360
049	71902	81022	21101	755//	01714	87620		
026	81618	81032	19803	6543/	53717	82618	84625	86650
022	71711	84021	19303	1553/	51723	81627	87358	
100	71619	89031	20104	755//	51717	87629		
917	11205	62040	22351	15500	54710	81625		
980	11513	89020	20900	15631	53711	81630		
976	81509	82021	17704	6547/	00718	82718	86640	88459
965	41405	82011	20602	45600	52802	84636		
969	40802	75030	21901	15602	52707	81630	83070	
962	71308	65031	19604	1565/	02713	81640	87359	
952	71507	80031	20407	756//	02708	87630		
953	81412	82022	18308	854//	06715	83718	88625	

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00033	073	+	+
862	00030	076	+	+
797	02031	024	pr_o	$pr_o s_o$prspks
776	97031	044	$pr_o s_o$	+
775	00040	055	+	+
772	00040	065	+	+
586	01027	030	ps_opsf	$ps_o pr_o s_o$
590	92017	039	$s_o s_o ps_o$ps	ps_opss$_o$s
497		014		
502	00031	074	+	+
628	00033	070	+	+
715	00053	074	+	+
703	00050	061		
827	00063	062	+	+
817	00053	080	+	+
804	00070	076	+	+
809	00053	078	+	+
894	00060	042	+	+
534	00023	067	+	+
559	97043	055	ps_o	+
462	00033	059	+	+
354	00033	064	+	+
414	00025	066	+	+
360	97033	046	ps_o	+
396			$ph_o pr_o s_o$	$ph_o r_o pr_o$
257	00035	053	+	+
262	91036	032	ps	ps_o
222	00023	053	+	+
302	00053	061	+	+
334	00033	067	+	+
318	00033	070	+	+
204	00033	059	+	+
131	00033			
162	00015	065	+	+
135	00013	059	+	+
140	00033	063	+	+
171	00033	038	+	+
091	97016	043	+	ps_o
005	00017	001	+	+
075	00025	003	+	+
010	97051			
049	00033	000	+	+
026	00035	000	+	+
022	00041	037	+	+
100	00041	058	+	+
917	00033	067	+	+
980	9704	066		
976	9705	028		
965	9705	049		
969	9705	047		
962	9705	040		
952	0709	042		
953	0008	000		

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

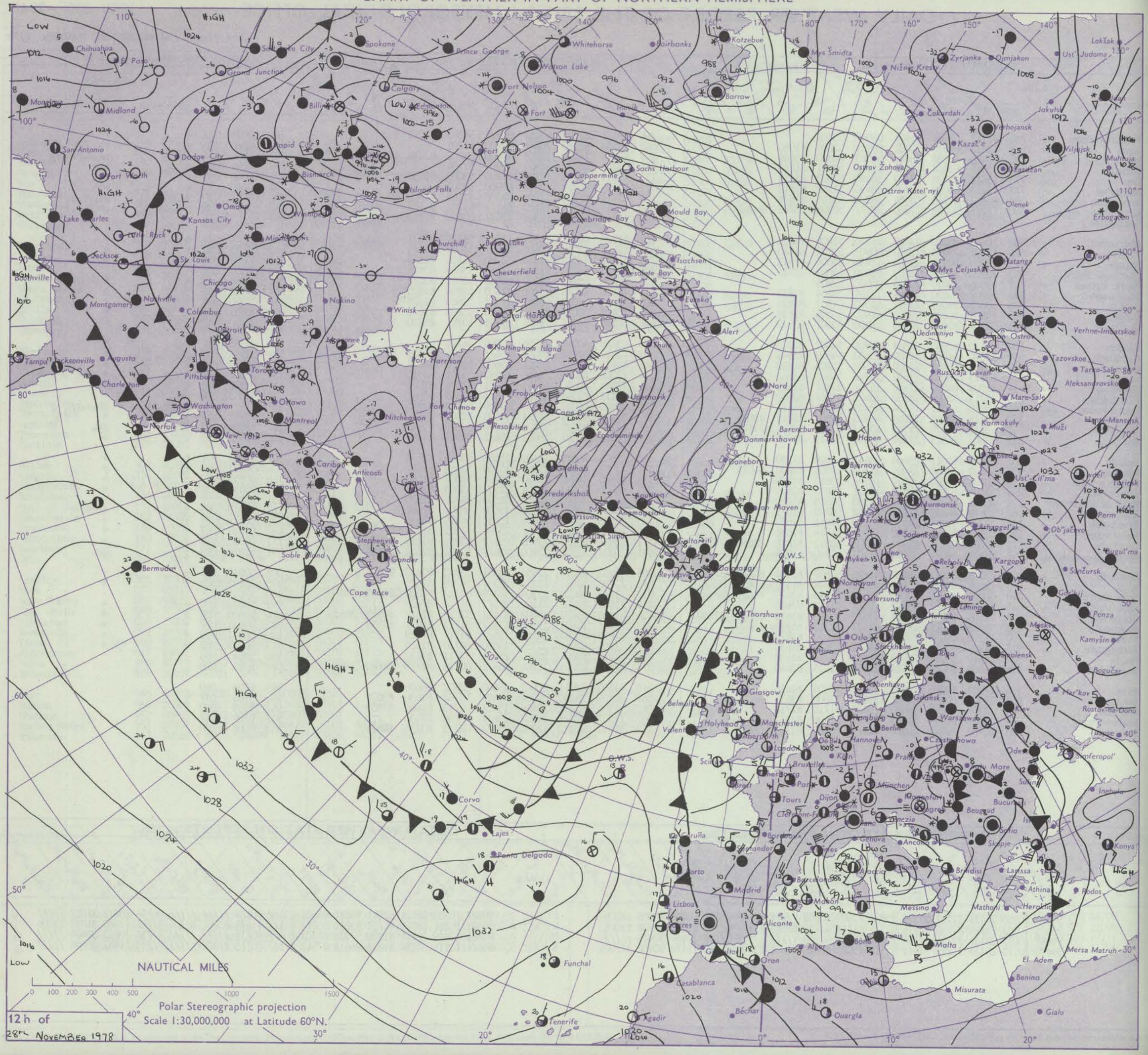
O.W.S.	$99 L_a L_a L_a$	$Q_c L_o L_o L_o L_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	28121	72712	97278	95804	73400	00203	/////	/////	05701	10795	30505	18209
L	99573	70202	28124	81736	95616	02311	872//	41732	88703	/////	0//11	11095	30908	21005
M	99661	10017	28124	72115	97158	21600	79400	00708	/////	/////	0//56	10647	30404	/////
R	99470	70172	28124	32213	97011	22515	15520	00821	81630	83360	0//13	11472	30402	31703

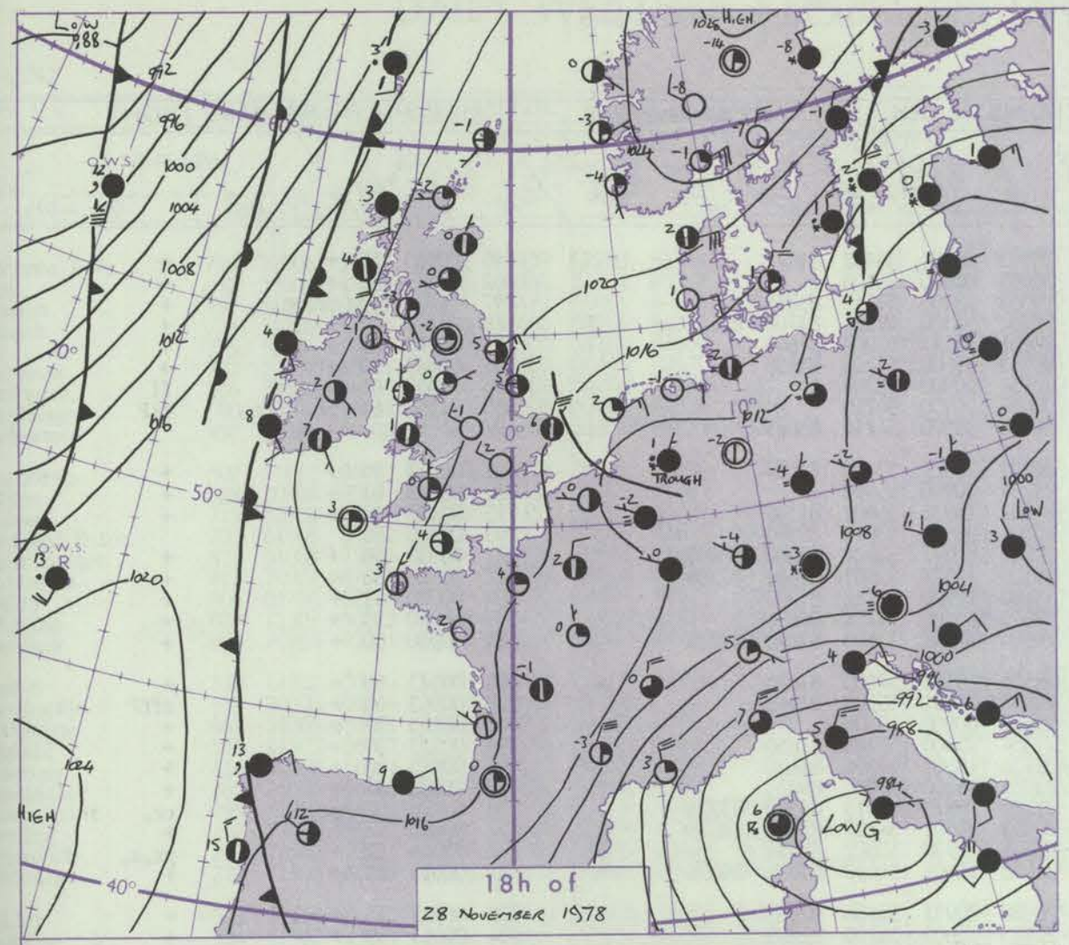
OCEAN WEATHER STATION REPORTS at 18h.

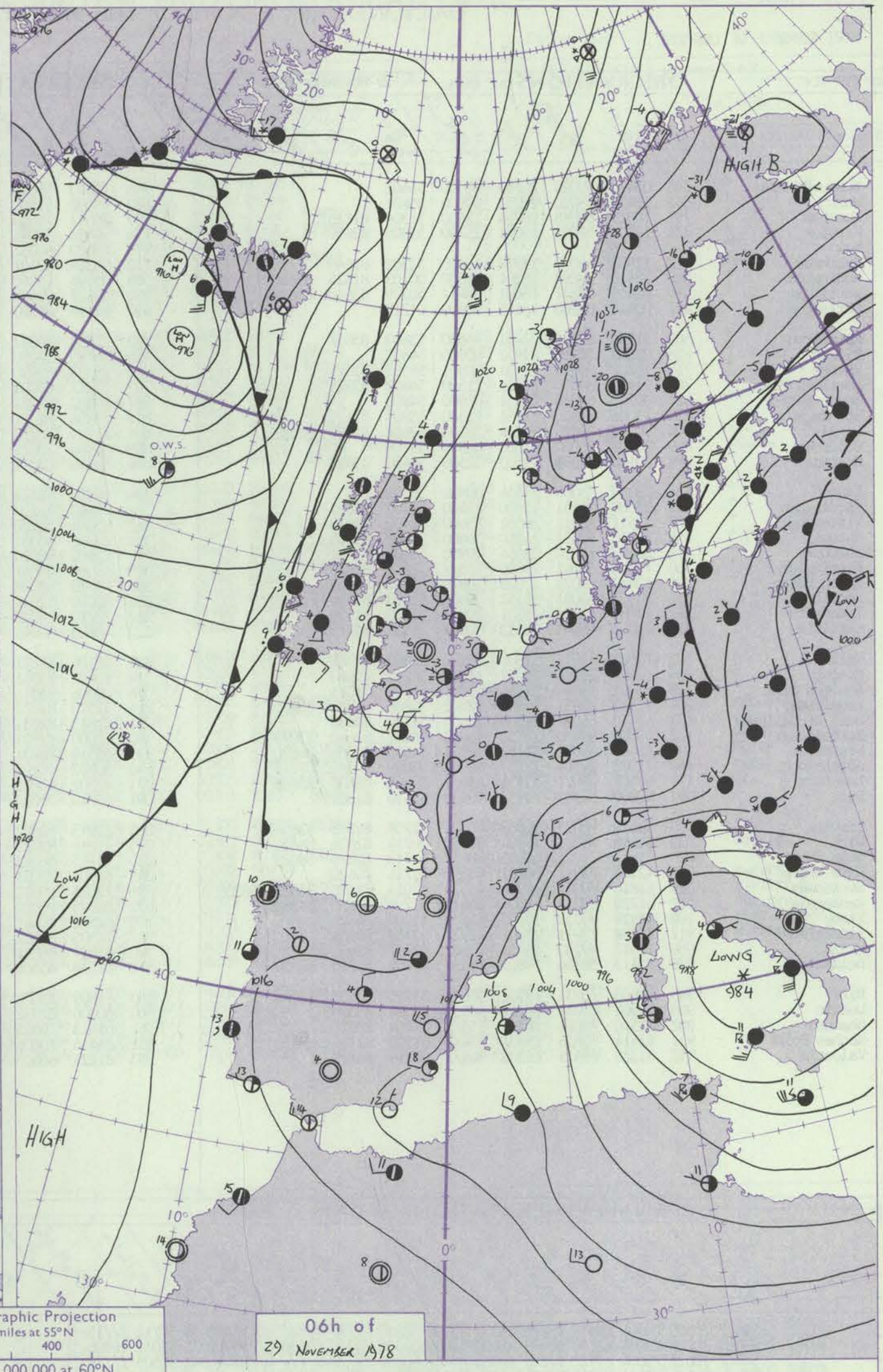
O.W.S.	$99 L_a L_a L_a$	$Q_c L_o L_o L_o L_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	28181	82721	93888	98601	834//	00225	/////	/////	06454	10812	31012	/////
L	99571	70201	28184	81737	95516	95212	871//	41628	85702	88704	0//11	11080	31010	21006
M	99661	10019	28184	81920	97028	19702	854//	00713	/////	/////	0//54	10643	30404	/////
R	99471	70171	28184	81921	96611	17513	773//	00715	87708	/////	0//13	11467	30604	/////

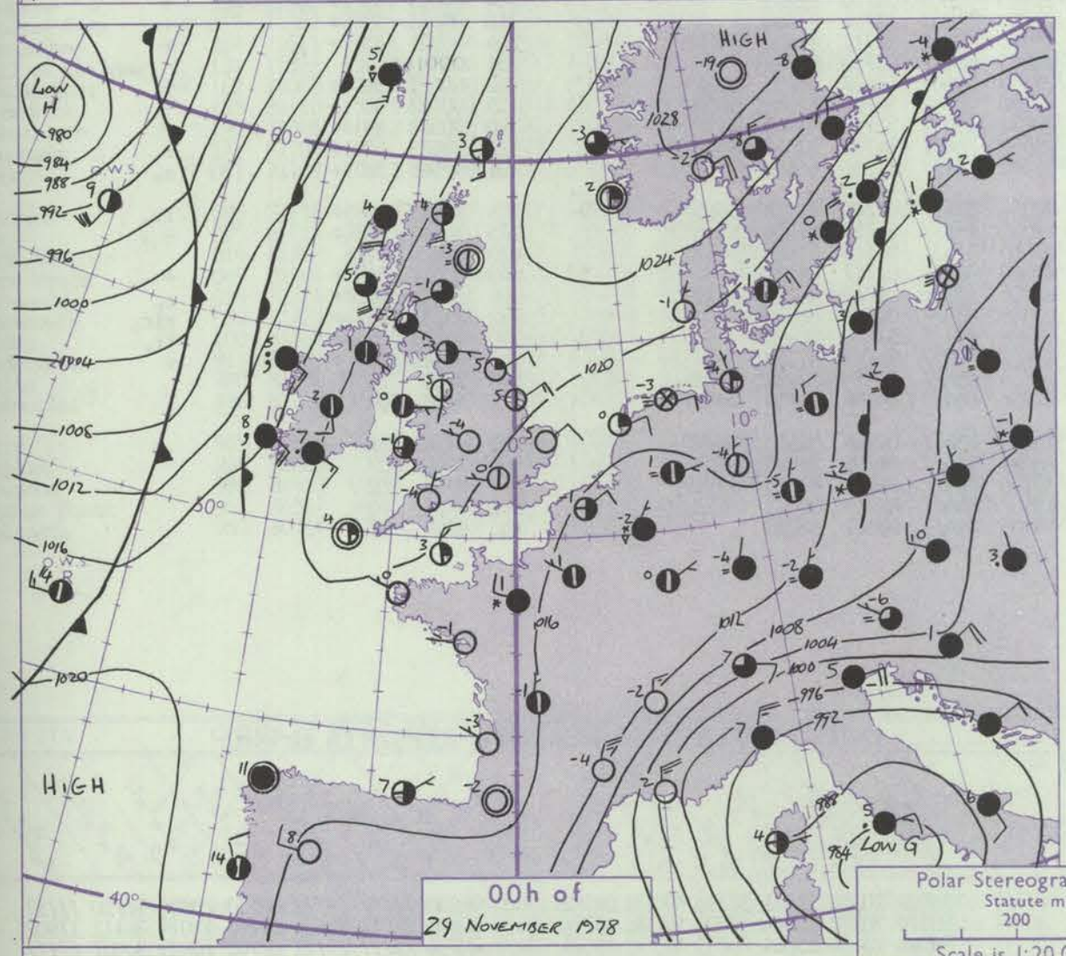
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 29 NOVEMBER 1978

A ridge of high pressure stretching from Scandinavia to north Britain has persisted during the past 24 hours. A complex deep low, near southwest Iceland, has moved slowly northeast. Another deep complex low over the western Mediterranean has persisted with a shallow trough running southwestwards around it from Denmark into northern France.

During the next 24 hours the high pressure ridge from Scandinavia to Scotland will move slowly southeast. The Mediterranean low will move slowly east and the Icelandic low will move slowly northeast.

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

Code FM 11.V	OBSERVATIONS at 00h. 29 November 1978									OBSERVATIONS at 06h. 29 November 1978									OBSERVATIONS during NIGHT				
																						WEATHER	
Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$	iii	RRT_nT_nE	T_gT_g	21h.–03h.	03h.–09h.
Boscombe Down	746	03410	60020	20753	00900	54602				746	12803	56050	20553	00901	54102	81072			746	00553	59	+	+
Hurn	862	03405	65020	20253	00900	55601				862	03302	57100	20455	00900	55103				862	00573	59	+	+
Manston	797	10515	80018	16704	12400	51304	81818			797	30611	75028	19303	28400	51215	81818			797	01021	00	$pr_op_hr_o$	+
Gatwick	776	22302	57041	19051	25700	53305	82650			776	50402	57041	19800	55300	51206	81708	83632		776	00533	57	+	+
Kew										775	73603	60031	20251	756//	52207	87645			775	00543	61	+	+
Heathrow	772	12903	56050	18950	15600	52302	81640			772	53205	32101	20053	55600	54206	85635			772	00543	59	+	+
Honington	586	33410	58268	18501	38500	00103	81825	83646		586	03606	15288	20754	00900	55209				586	91557	61	ps_ophf	ff
Wattisham	590	63409	62837	18601	684//	50209	83810	85620		590	00207	03488	20554	00900	54210				590	91557	61	$pr_os_o-ps_o$	ffF
Gorleston	497	00412	66268	18105	00900	01213				497	30918	66020	20805	35500	54214	83625			497				
Aberporth	502	51510	84031	21451	55800	53803	85657			502	71410	84022	20201	758//	53808	87657			502	00513	55	+	+
Filton	628	00306	58050	21452	00900	54802				628	00703	56050	21254	00900	55802				628	00543	61	+	+
Rhoose	715	10202	80020	21451	00901	56503	81075			715	13503	80030	21052	10931	55602	81362			715	00553	59	+	+
Hartland Point	703	21412	84030	20701	21500	54603	82825			703	51212	85021	19901	50970	53810	85360			703	00010	52		
Mount Batten	827	00705	62020	20951	00900	54803				827	80802	68031	20151	8097/	53606	85360	88465		827	00533	58	+	+
St.Mawgan	817	11006	82020	21051	15500	55805	81625			817	70906	82021	20100	1557/	53607	81625	87359		817	00523	55	+	+
Scilly	804	30000	82020	20904	38500	52607	81820	83632		804	11305	82010	19103	10930	52712	81360			804	00030	51	+	+
Culdrose	809	00507	70020	21000	00900	53708				809	60506	70021	19601	65600	51711	86630			809	00510	55	+	+
Guernsey	894	30108	84030	19503	32500	54400	83828			894	50209	83011	18504	38502	52605	82820	83075		894	00030	50	+	+
Elmdon	534	03004	35040	21554	00900	56002				534	10000	18101	21556	15501	57400	81625			534	00573	60	+	+
Cardington	559	23609	57051	19800	25600	51103	82635			559	20402	45100	20855	15601	55205	81640			559	00563	60	+	ifffF
Wittering	462	23511	60011	20051	25600	52400	82630			462	03606	50020	21153	00900	53206				462	00543	57	+	+
Watnall	354	53510	58051	21000	55600	53500	85645			354	10000	56051	21551	15600	52203	81630			354	00523	59	+	+
Shawbury	414	02603	66020	22054	00900	56002				414	22802	62010	21756	15502	57804	81620			414	00575	62	+	+
Finningley	360	73008	50041	21000	755//	51001	87625			360	43006	40041	21051	45600	52600	84635			360	00533	57	+	+
Spurn Point	396	10412	68028	20005	10970	02101	81360			396	41010	68038	21205	30975	03013	83360	83275		396			pr_o	pr_o
Leeming	257	33302	60031	22152	35600	53803	83630			257	50000	62031	22153	35501	54802	83627	83075		257	00545	57	+	+
Tynemouth	262	12809	61021	22201	10930	52400	81358			262	22710	69028	22001	20930	52802	82358			262	97516	52	+	pr_os_o
Carlisle	222	41002	45040	22553	00901	55504	84075			222	40703	40041	21653	15601	54610	81635	84075		222	00553	59	+	+
Valley	302	70905	84021	21500	7093/	52803	87362			302	31106	86021	20500	20931	53606	82362			302	00513	55	+	+
Ringway	334	12802	22040	22452	15600	54202	81640			334	12402	25041	21953	15600	54705	81635			334	00543	59	+	+
Squires Gate	318	12001	57040	22355	00901	56807	81075			318	20906	65011	21753	10931	55706	81360			318	00553	59	+	+
Ronaldsway	204	71510	82031	21404	18502	52806	81825	86073		204	51513	81031	19905	38502	51711	81824	83632		204	00521	55	+	+
Mull of Galloway	131	41410	86030	21305	45600	51710	84630			131	81813	82031	18505	856//	00713	88630			131	00011			
Eskdalemuir	162	40000	82030	22753	15602	56802	81640	83075		162	60000	81031	22455	55602	56607	85635	84075		162	00575	59	+	+
Prestwick	135	61405	65011	22152	10931	54605	81360	86070		135	61514	80031	20100	20931	52714	82360	86070		135	00533	56	+	+
Abbotsinch	140	71002	20101	22353	40932	53807	84362	87075		140	50902	40102	20851	25631	52710	82640	84362		140	00543	59	+	+
Leuchars	171	62407	64021	22351	656//	55805	82630	85638		171	42502	65021	21552	25601	54707	82640	83075		171	00533	57	+	+
Dyce	091	10000	50108	21953	10930	53610	81362			091	61810	70037	20502	657//	51506	86650			091	97546	58	+	s_o
Lerwick	005	51616	86022	20803	48401	52708	81818	83650		005	81915	80602	18904	854//	01709	82618	88650		005	97025	55	+	ir_o
Wick	075	51616	81011	19904	58400	00714	82816	84656		075	71816	82021	17505	756//	51720	82630	87650		075	00015	55	+	+
Sule Skerry	010	81816	74022	18605	884//	04713	81815	88620		010	51715	86012	16005	15531	05715	81625	84358		010	00021	03		
Cape Wrath	049	42105	82011	18101	45500	01716	84620			049	61902	82031	15903	655//	02717	86620			049	00011	51	+	+
Stornoway	026	81818	80022	17204	4553/	52614	81620	83625	88359	026	72025	80022	14205	4553/	00819	84625	87359		026	97031	01	+	r_o
Benbecula	022	51720	84012	16504	3567/	51709	83630	84360		022	81825	80022	13305	856//	00717	88633			022	94031	01	+	rir_o
Tiree	100	61528	84032	18105	655//	51609	86626			100	81532	80022	15206	857//	51816	88650			100	97041	01	+	ir_o
Aldergrove	917	71406	70031	21001	7093/	53707	87362			917	71505	82022	18602	7095/	51713	87359			917	00513	54	+	+
Malin	980	11517	89030	18401	15602	53707	81632			980	81627	86021	14804	3567/	51615	83632	88459		980	9700	53		
Belmullet	976	81413	58586	14805	864//	04709	85715	87630		976	81518	63506	12206	864//	04609	86715	88630		976	9105	04		
Birr	965	71608	75031	19502	35602	52705	83633	87070		965	81609	75022	16904	6567/	00614	86635	88462		965	9702	52		
Dublin	969	50000	65031	20701	50930	52804	85360			969	80000	82032	18704	1567/	01709	81640	88359		969	9700	57		
Shannon	962	81510	70021	18505	855//	02704	88620			962	81413	70025	15806	854//	04611	83713	88625		962	9703	02		
Roches Point	952	81414	75606	19907	854//	01503	81716	88630		952	81414	70606	17407	864//	04713	85713	88622		952	9707	03		
Valentia	953	81320	65515	16208	864//	07816	88713			953	81221	60605	14109	864//	08811	88713			953	0108	07		

Code FM 21.V	OCEAN WEATHER STATION REPORTS at 00h.													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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$	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	29001	32819	97278	03350	33400	00223	/////	/////	06755	10814	3//12	///15	C	99527	70355	29061	52716	97278	08302	53400	00230	/////	/////	06153	10806	3//10	///17
L	99569	70203	29004	42140	98025	93109	35400	00301	81710	83630	0//05	11075	31012	16906	L	99571	70202	29064	32034	98038	94708	39400	00105	81912	83814	0//05	11074	31112	17907
M	99662	10022	29004	81927	97268	18003	894//	00806	/////	/////	0//01	10642	30505	/////	M	99663	10024	29064	81833	97258	16504	894//	00704	/////	/////	0//02	10629	30607	/////
R	99471	70169	29004	72713	96036	17214	783//	00306	81806	83616	0//14	11458	30000	20603	R	99471	70168	29064	43020	97011	17513	45500	00309	84620	/////	0//10	11437	30504	/////

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. 42742

Date of Issue THURSDAY 30 NOVEMBER 1978

Code FM 11.V OBSERVATIONS at 12h. 29 November 1978

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	21006	56051	21502	20939	52203	82364		
Hurn	862	33504	45050	21201	30930	52102	83362		
Manston	797	71109	68021	21304	784//	50004	84816	85625	
Gatwick	776	31206	58041	21603	38400	51206	81815		
Kew	775	61404	58051	21703	65700	51104	86650		
Heathrow	772	20902	48051	21204	25600	00103	82630		
Honington	586	30302	58030	22051	25509	52003	82628		
Wattisham	590	50606	58014	22000	58502	51002	82826	83640	
Gorleston	497	41311	66020	22406	21541	53206	82825	83075	
Aberporth	502	71611	84022	20303	1577/	52301	81656	87359	
Filton	628	30804	30050	21800	10931	52005	81365		
Rhoose	715	60706	57051	21402	16331	54105	81709	86362	
Hartland Point	703	61605	89032	20004	11571	51005	81820	86360	
Mount Batten	827	51008	75031	20006	11539	03003	81820	83360	
St.Mawgan	817	70907	81022	20005	1857/	00002	81820	87362	
Scilly	804	81709	82031	18908	3157/	04803	83821	88460	
Culdrose	809	71507	80022	19707	5843/	51000	81818	84635	87359
Guernsey	894	70913	81251	19205	783//	02307	82709	85815	
Elmdon	534	11202	50041	22003	11401	51202	81810		
Cardington	559	00000	00444	22252	00900	52101			
Wittering	462	51005	50051	22203	30932	51002	83365	83075	
Watnall	354	11505	56051	22105	00902	51201	81070		
Shawbury	414	40000	56041	21801	40931	52003	84364		
Finningley	360	20000	56041	22104	00902	01201	82075		
Spurn Point	396	52202	64031	22605	12552	01104	81820	84360	
Leeming	257	70000	60041	22201	757//	52501	87656		
Tynemouth	262	72503	23051	22102	3567/	50000	83630	87358	
Carlisle	222	71105	60021	21001	3857/	52801	81825	83645	87359
Valley	302	71616	84021	20105	1855/	51000	81825	87358	
Ringway	334	61902	15041	22201	15651	51104	81640	86362	
Squires Gate	318	71507	35041	21603	1573/	00002	81656	87360	
Ronaldsway	204	71611	86011	20106	1163/	00301	81830	87359	
Mull of Galloway	131	71818	82022	18606	5851/	01001	82820	85625	87460
Eskdalemuir	162	70000	82022	21200	756//	51801	87640		
Prestwick	135	81410	75021	19702	1557/	50802	81620	83360	88465
Abbotsinch	140	71006	40042	20302	1577/	53804	81650	87362	
Leuchars	171	82702	62041	20901	2577/	52803	82650	88360	
Dyce	091	71709	70022	19903	1247/	51501	81818	87359	
Lerwick	005	71718	80258	18505	5847/	02802	83816	83358	87460
Wick	075	81714	88032	17005	35577	52000	81625	83650	86462
Sule Skerry	010	81803	88022	15706	5557/	05001	85620	88358	
Cape Wrath	049	81005	82022	15305	3552/	01400	83620	88460	
Stornoway	026	81824	65606	13706	6542/	04802	81615	86625	88460
Benbecula	022	81723	81026	13006	5552/	03803	83620	84640	88459
Tiree	100	81628	80616	14906	6542/	03801	81718	86620	88550
Aldergrove	917	81609	70022	17905	1647/	50804	81710	88459	
Malin	980	81631	75607	14405	5647/	02804	83715	83632	88459
Belmullet	976	81713	56586	12008	863//	08701	83706	88715	
Birr	965	81510	70606	16005	4567/	02805	84635	88460	
Dublin	969	81605	70032	18106	1557/	51705	81625	87459	
Shannon	962	81613	62586	15307	863//	06802	85709	88715	
Roches Point	952	81517	56606	17007	874//	06703	88711		
Valentia	953	80707	57586	13609	863//	09802	88707		

OBSERVATIONS at 18h. 29 November 1978

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	70907	57051	22051	7097/	53302	87365		
862	60704	50101	21350	6093/	51203	86364		
797	70905	59022	22402	10932	53204	81360	87072	
776	71102	59041	22400	1553/	53308	81620	87359	
775	70000	58052	22050	7093/	54105	87362		
772	72401	57051	21702	1553/	51205	81626	87362	
586	70000	56051	22450	7093/	52104	87360		
590	60905	62012	22601	6093/	52004	86360		
497	53102	66021	22605	55500	01203	85625		
502	81618	62022	18903	8097/	51802	88358		
628	70907	22051	21451	20932	52801	82365	86075	
715	80605	35052	20801	3547/	51701	81710	83650	88359
703	81410	70022	19004	3562/	51501	83640	88460	
827	70907	65022	19305	2563/	02500	82648	87360	
817	81010	70212	19005	2557/	01400	82625	88460	
804	81711	80028	18008	3157/	05603	83821	88360	
809	81606	70026	18707	5843/	00000	82818	84640	88359
894	70908	65038	19604	4843/	51005	84815	85359	
534	71302	58041	22000	7093/	52400	87360		
559	70000	30104	22551	7093/	51303	87362		
462	70802	18042	22400	60932	51101	86362		
354	81004	40051	22400	8093/	51400	88365		
414	71002	24041	21301	7097/	51603	82359	87361	
360	50000	56041	22251	40932	51500	84362	83075	
396	82307	66032	22804	8097/	51601	88460		
257	61406	30042	22401	40932	50301	84362	86075	
262	72305	39052	22102	756//	01400	87630		
222	81508	50042	20403	3563/	00601	83640	88360	
302	81616	81022	19105	2852/	01802	81820	88458	
334	71306	56042	21701	7097/	52803	87362		
318	81410	30042	20802	8097/	51705	88359		
204	81612	82022	18806	3552/	02504	83623	88460	
131	82008	84022	16706	856//	02709	88630		
162	80000	58702	20600	855//	51603	88628		
135	81612	62026	18403	3547/	02606	81618	83650	88359
140	81108	57042	18904	1552/	01803	81620	88460	
171	71802	62022	19901	3567/	50505	82630	87362	
091	82104	65052	19602	1142/	00301	81815	88460	
005	61824	80028	18306	3843/	01303	81815	86359	
075	81812	62616	17204	874//	02305	88714		
010	82006	65505	15905	855//	05306	82720	88625	
049	81904	75616	15503	874//	03102	88710		
026	81822	62636	13406	853//	05701	83709	88620	
022	81817	62606	13306	853//	05205	82708	84712	88617
100	81527	57516	14506	854//	05301	85710	88617	
917	81607	56696	17303	3542/	02702	81712	83620	88550
980	81720	58616	14305	863//	04302	83708	85711	88716
976	62612	75806	13409	634//	06309	82717	83920	
965	81806	59586	16105	863//	04308	87708	88711	
969	81605	70616	17405	854//	02603	81718	88627	
962	81703	50536	16007	862//	07209	84704	87706	
952	81415	40586	15808	872//	08500	88704		
953	73305	75216	15409	78500	07212	82822	87628	

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00033	059	+	+
862	00040	030	+	+
797	00041	021	+	+
776	00031	026	+	+
775	00040	043	+	+
772	00050	041	+	+
586	00037	013	+	+
590	00027	007	+	+
497		037		
502	00031	012	+	+
628	00033	030	+	+
715	00031	027	+	+
703	97051	004		
827	00060	022	+	+
817	95061	004	+	r$_o$r$_o$
804	92081	000	pr$_o$	ir$_o$
809	91070	000	ir$_o$	ir$_o$pr$_o$
894	97060	016	pr$_o$	+
534	00043	046	+	+
559	00013	001	fffff	+
462	00033	023	+	+
354	00063	041	+	+
414	00015	018	+	+
360	00053	046	+	+
396			+	+
257	00023	000	+	+
262	00035	002	+	+
222	00053	003	+	+
302	96061	007	+	ir$_o$rr
334	00033	025	+	+
318	00040	016	+	+
204	01061	000	+	r$_o$r$_o$r
131	94061			
162	91015	000	+	s$_o$s$_o$h$_o$
135	01041	000	r$_o$	r$_o$r$_o$r
140	93041	000	+	r$_o$r$_o$
171	97033	000	+	ir$_o$
091	00045	000	+	+
005	93061	000	pr$_o$	+
075	93051	000	+	ir$_o$r$_o$r$_o$
010	02062			
049	04052	000	+	r$_o$r$_o$rr
026	05061	000	r$_o$r$_o$	r$_o$r$_o$rrr$_o$r$_o$
022	01071	000	ir$_o$	d$_o$r$_o$rrr$_o$r$_o$
100	05071	000	ir$_o$r$_o$r$_o$r	rr$_o$r$_o$d$_o$d$_o$dr
917	04052	000	r$_o$r$_o$	r$_o$rrsr$_o$s$_o$d$_o$r$_o$
980	0605	000		
976	0709	000		
965	9706	000		
969	0106	000		
962	0507	000		
952	0409	000		
953	0710	000		

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

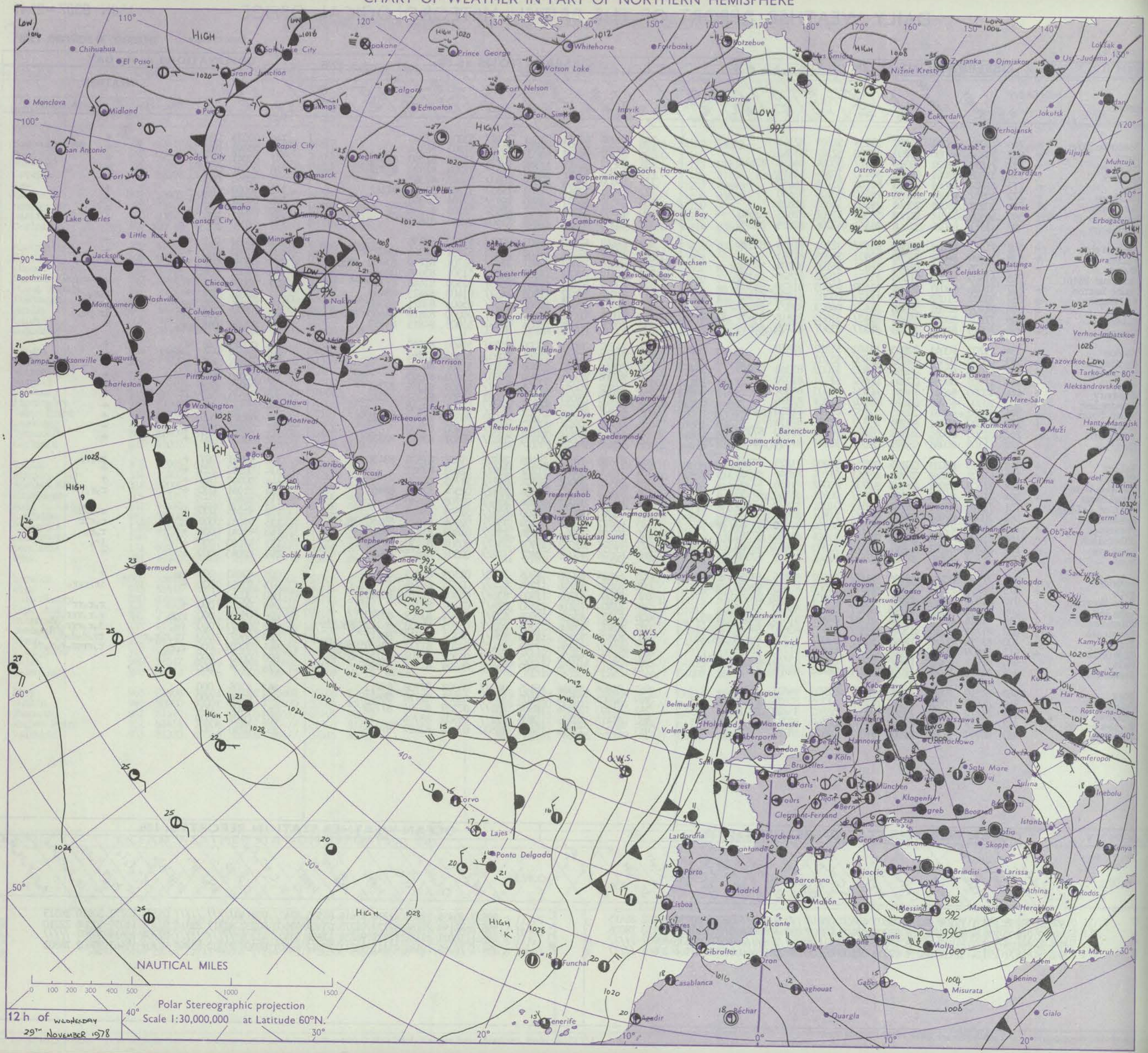
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	29121	72508	98278	06503	63450	00813	/////	/////	06055	10790	30302	26415
	99572	70200	29124	52134	99158	95706	59400	00209	82915	83818	0//03	11086	31110	18006
	99664	10025	29124	81833	97258	17005	79400	51102	/////	/////	0//02	10636	30707	/////
	99471	70171	29124	32916	98011	19613	38500	00108	81820	83640	0//09	11466	30604	/////

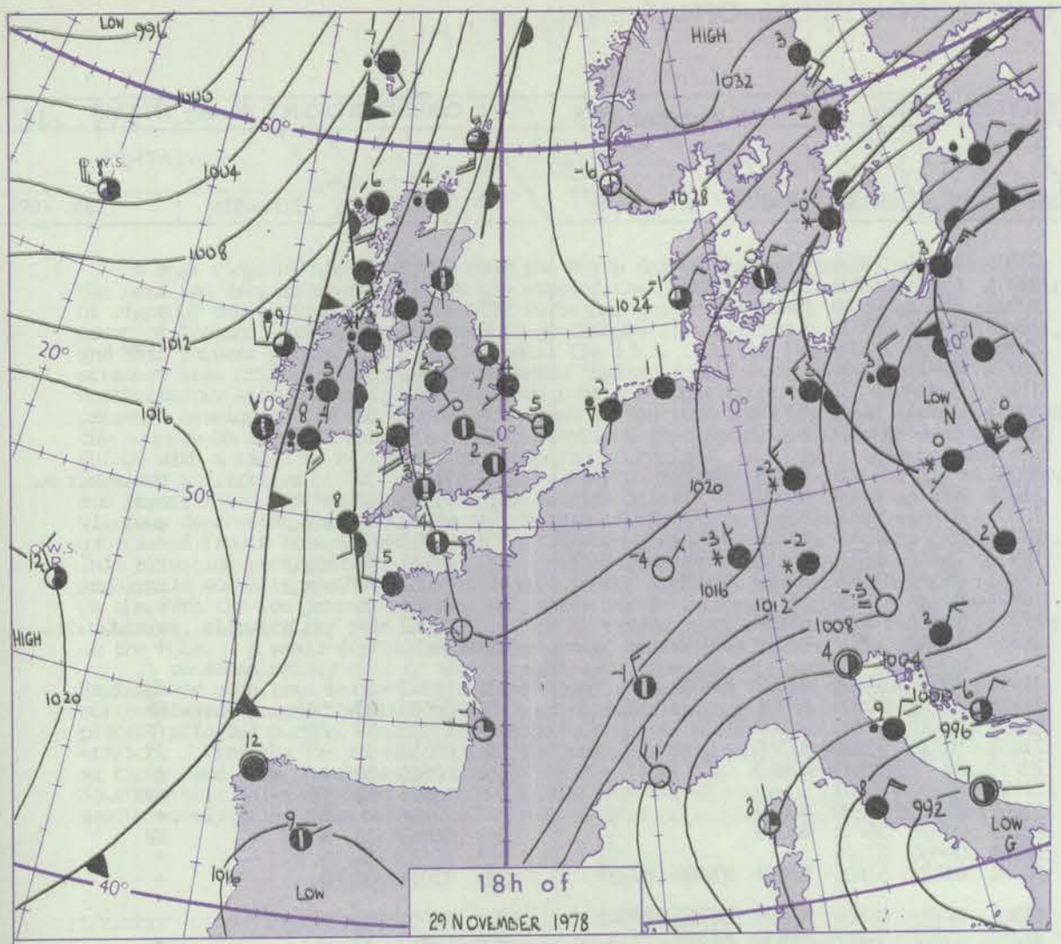
OCEAN WEATHER STATION REPORTS at 18h.

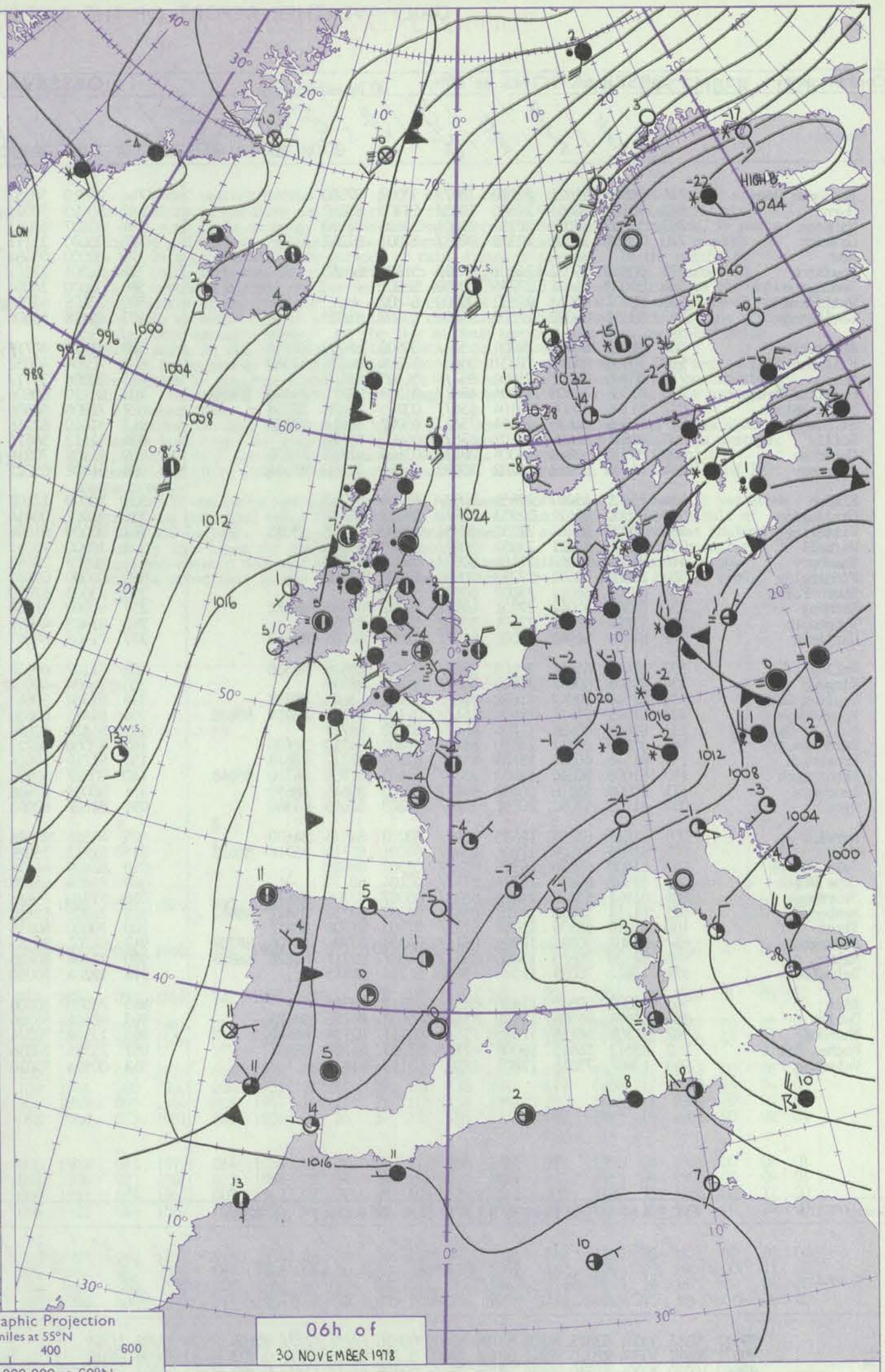
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
CLMR	99527	70355	29181	81218	97616	85505	8742/	008140	/////	/////	05504	10772	30910	26313
	99572	70199	29184	42723	98278	03407	49400	00232	81912	83816	0//01	11059	30806	22210
	99661	10021	29184	81829	96638	17605	5742/	41204	/////	/////	0//04	10639	30707	/////
	99471	70169	29184	43112	98011	20012	48501	00306	82820	83640	0//07	11463	30402	28803

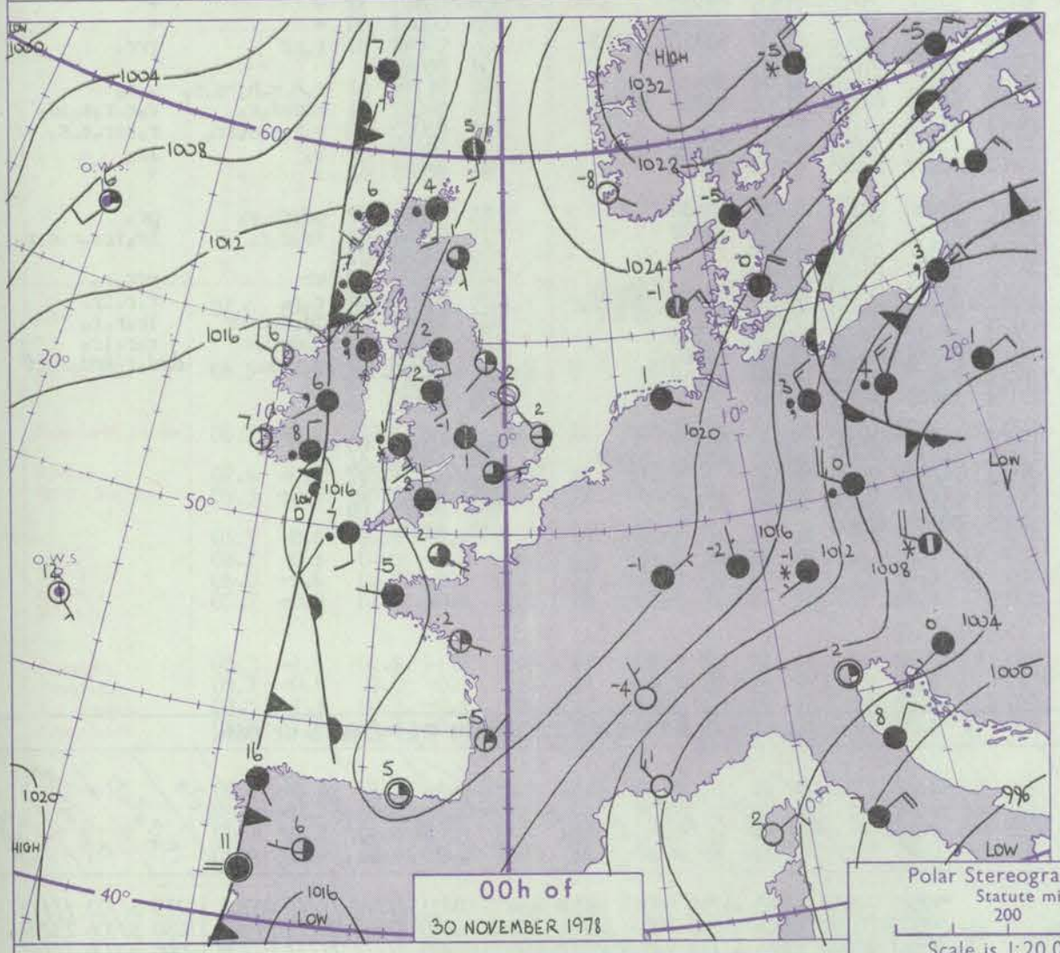
All times of observation printed in this publication are GREENWICH MEAN TIME.

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 THURSDAY 30 NOVEMBER 1978

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours an anticyclone over northern Norway has maintained a ridge of high pressure into southern England and the southern North Sea. A low near Iceland has filled while associated fronts have moved slowly over Ireland and into the Irish Sea.

During the next 24 hours the North Sea ridge is expected to remain almost stationary while a very deep Atlantic depression moves northeast towards Iceland bringing another frontal system into western parts.

Code FM 11.V **OBSERVATIONS at 00h.** 30 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s C h_s h_s$	$8N_s C h_s h_s$	$8N_s C h_s h_s$
Boscombe Down	746	70808	61021	22100	7097/	53002	87360		
Hurn	862	70102	58051	21600	7095/	51302	87362		
Manston	797	52804	58022	22251	35501	53603	83620		
Gatwick	776	70802	32102	22351	7093/	52802	87362		
Kew									
Heathrow	772	60805	45052	21801	6093/	51802	86360		
Honington	586	00000	06411	22755	00900	55602			
Wattisham	590	00107	45051	22852	00900	54602			
Gorleston	497	53102	66022	22502	55500	53400	85625		
Aberporth	502	81413	60685	20301	5572/	00500	85650	88459	
Filton	628	70904	45052	22251	5563/	52204	84636	87360	
Rhoose	715	80506	56052	21801	857//	51305	88650		
Hartland Point	703	81506	70606	19904	4542/	01308	82715	84640	88460
Mount Batten	827	81106	60606	20104	6567/	03206	86638	88358	
St.Mawgan	817	81006	64636	19604	7542/	03002	87614	88550	
Scilly	804	81611	81606	18207	855//	05400	88625		
Culdrose	809	80907	65618	19304	884//	03104	81814	88620	
Guernsey	894	61106	65012	20102	20932	53802	82360	85075	
Elmdon	534	71401	45042	22651	7097/	52104	87362		
Cardington	559	40000	05411	22753	40970	54302	84362		
Wittering	462	30000	05461	22752	10931	52400	81362	83075	
Watnall	354	50000	25051	22951	5093/	52303	85360		
Shawbury	414	81302	42042	22101	8097/	51004	88358		
Finningley	360	20000	30101	22753	20930	53202	82362		
Spurn Point	396	02302	66021	23002	00900	51400			
Leeming	257	81503	35042	22951	60977	52202	86362	88272	
Tynemouth	262	52007	40052	22501	50930	50104	85358		
Carlisle	222	81608	56042	21002	6567/	52000	86635	88460	
Valley	302	81411	65616	20103	2542/	02802	82618	88556	
Ringway	334	81505	50042	22801	8097/	51205	88359		
Squires Gate	318	81510	30042	21602	3567/	51701	83645	88358	
Ronaldsway	204	81615	61612	19904	854//	01101	81710	85714	88620
Mull of Galloway	131	81825	60636	17704	864//	04203	88715		
Eskdalemuir	162	80000	20717	21000	854//	51802	84710	88630	
Prestwick	135	81514	40586	19103	854//	02101	82712	88618	
Abbotsinch	140	81006	50616	19803	853//	01103	81708	84710	86648
Leuchars	171	80000	58216	20801	854//	50105	85616	88650	
Dyce	091	61706	57052	20201	2547/	00203	81615	85360	
Lerwick	005	71612	65258	19605	784//	03208	84815	84630	
Wick	075	81815	72606	17604	854//	02001	82714	85716	88622
Sule Skerry	010	81408	64636	16505	855//	05302	88620		
Cape Wrath	049	81902	60636	15904	874//	03104	88710		
Stornoway	026	81917	65616	14806	853//	05307	83708	88618	
Benbecula	022	81714	58636	13707	854//	06302	83710	85622	88647
Tiree	100	81418	58636	15007	5732/	07303	85708	88517	
Aldergrove	917	81807	50587	17704	862//	04303	83704	85706	88708
Malin	980	82120	70605	15406	854//	04007	82717	85626	88656
Belmullet	976	12812	70038	16506	15600	01214	81645		
Birr	965	82302	50505	17406	863//	05312	88707		
Dublin	969	81606	66586	17505	854//	05602	84716	88623	
Shannon	962	71303	58116	17505	754//	05211	82714	86640	
Roches Point	952	83512	56615	16008	4732/	07203	84707	88537	
Valentia	953	13607	75018	17807	12500	05113	81822		

OBSERVATIONS at 06h. 30 November 1978

Station	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s C h_s h_s$	$8N_s C h_s h_s$	$8N_s C h_s h_s$
Boscombe Down	746	70710	58052	20501	3553/	54606	83628	87360	
Hurn	862	80403	58022	19901	1562/	52708	81643	88460	
Manston	797	33407	65011	20902	25402	52708	82616		
Gatwick	776	00000	25111	21457	00900	57607			
Kew	775	00000	03484	21056	00900	58604			
Heathrow	772	03203	22101	21053	00900	54504			
Honington	586	00000	20054	21556	00900	57707			
Wattisham	590	23606	62030	21653	00902	55706	82075		
Gorleston	497	70118	58606	21203	755//	01707	87620		
Aberporth	502	81619	40717	18501	853//	00505	81708	88630	
Filton	628	70704	40052	21051	6553/	52801	86621	87360	
Rhoose	715	80506	35717	20500	857//	51802	88650		
Hartland Point	703	81210	60606	18302	853//	01705	84706	88620	
Mount Batten	827	70906	58606	18903	3577/	02702	83656	87460	
St.Mawgan	817	81010	62216	17803	855//	03709	83620	88635	
Scilly	804	81512	58616	16807	874//	05808	88714		
Culdrose	809	81108	70216	17705	856//	03807	88630		
Guernsey	894	51108	65012	18504	35402	53607	83616	84075	
Elmdon	534	50000	12102	21454	30932	54605	83362	84070	
Cardington	559	91002	00454	21756	9////	56604	89/01		
Wittering	462	90000	01494	21556	9////	57708	89/00		
Watnall	354	10000	16051	21654	10930	55806	81360		
Shawbury	414	80802	20042	20750	857//	52605	88650		
Finningley	360	00000	02484	21454	00900	55707			
Spurn Point	396	23002	57020	21602	25700	51809	82650		
Leeming	257	40000	01484	22155	00901	56704	84075		
Tynemouth	262	01905	48051	21751	00900	52704			
Carlisle	222	71405	50047	20402	6567/	51605	83637	85650	87359
Valley	302	81207	60636	19301	6732/	01804	83708	86710	88545
Ringway	334	71004	40042	21250	1577/	51707	81650	87359	
Squires Gate	318	81308	30042	20801	6567/	51706	86643	88358	
Ronaldsway	204	81416	60636	19204	873//	02505	81707	85710	88713
Mull of Galloway	131	81820	60636	17204	864//	03807	88710		
Eskdalemuir	162	80000	56227	20851	854//	51603	82712	88633	
Prestwick	135	81710	58616	18802	872//	01703	81705	85707	88712
Abbotsinch	140	90707	30697	19501	9////	01704	89///		
Leuchars	171	80000	57606	20201	6542/	50803	82616	86650	88460
Dyce	091	81607	62052	19602	856//	50705	81635	88656	
Lerwick	005	41521	80018	20005	48400	02202	82817	83630	
Wick	075	81812	75026	17705	854//	02501	86715	88622	
Sule Skerry	010	81409	64516	16406	855//	05801	88620		
Cape Wrath	049	81804	65636	16204	874//	04400	88710		
Stornoway	026	81910	75616	15307	853//	06103	82709	87618	88630
Benbecula	022	71205	65616	15605	754//	04207	82712	83618	87627
Tiree	100	70000	80216	15907	4542/	05304	84615	87550	
Aldergrove	917	81702	30586	17605	851//	05400	82702	88616	
Malin	980	72108	80605	16405	756//	04104	84635	87656	
Belmullet	976	12204	70010	17101	16470	51801	81718		
Birr	965	70000	10106	17005	45602	04802	84632	86070	
Dublin	969	82404	56586	17505	860//	05201	82701	85704	87707
Shannon	962	13504	70024	17303	15600	02802	81630		
Roches Point	952	73314	70036	15507	753//	06801	81706	87637	
Valentia	953	00504	75020	17005	00900	03805			

OBSERVATIONS during NIGHT

Station	iii	RRT T_n E	$T_g T_g$	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00513	53	+	+
Hurn	862	96511	53	+	h_o
Manston	797	00533	57	+	+
Gatwick	776	00593	62	+	+
Kew	775	00573	65	iF	iFFF
Heathrow	772	00543	60	+	+
Honington	586	00587	62	if	if
Wattisham	590	00567	63	+	+
Gorleston	497				
Aberporth	502	91001	50	$id_o r_o S_o r_o r_o$	$r_o r_o S_o S_o r_o S_o$
Filton	628	91515	52	+	$S_o S_o$
Rhoose	715	92506	51	$S_o S_o$	$S_o S_o$
Hartland Point	703	95011	01		
Mount Batten	827	01031	02	$r_o r_o$	r_o
St.Mawgan	817	04031	02	$r_o r_o r$	$r_o r_o d_o r_o$
Scilly	804	91061	05	ir_o	$r_o r_o$
Culdrose	809	02042	04	$pr_o ir_o r_o r_o$	$r_o r_o d_o r_o ir_o$
Guernsey	894	00020	50	+	+
Elmdon	534	00573	60	+	ffFif
Cardington	559	00563	61	fFF	FF
Wittering	462	97583	59	ff	fFf
Watnall	354	00553	62	+	ff
Shawbury	414	00515	53	+	f
Finningley	360	00573	60	ff	ffF
Spurn Point	396			+	+
Leeming	257	00563	58	+	FF
Tynemouth	262	00535	54	+	+
Carlisle	222	97011	00	S_o	+
Valley	302	06011	00	$rrr_o r_o$	$rrir_o r_o r_o$
Ringway	334	00513	55	+	+
Squires Gate	318	00003	50	+	+
Ronaldsway	204	07041	02	$r_o rr$	rrr_o
Mull of Galloway	131	06042			
Eskdalemuir	162	01519	51	$S_o h_o S_o h_o - S_o S_o$	$S_o S_o$
Prestwick	135	04021	01	$rrdrd_o r_o$	$r_o r_o r_o S_o id_o$
Abbotsinch	140	06005	00	$r_o r_o r_o S_o ir_o$	$r_o rsr_o S_o S_o$
Leuchars	171	97003	51	r_o	ir_o
Dyce	091	00015	51	+	+
Lerwick	005	02041	02	$pr_o ph_o r_o$	pr_o
Wick	075	01041	03	$ir_o r_o r_o$	$ir_o irr_o r_o d_o r_o$
Sule Skerry	010	07032	03		
Cape Wrath	049	07022	00	rr	$rrr_o r_o$
Stornoway	026	03051	04	$r_o r_o$	$r_o r_o ir_o$
Benbecula	022	07041	00	$id_o d_o r_o rr$	$ir_o r_o r_o$
Tiree	100	07061	03	$d_o drr_o R$	$r_o r_o ir_o$
Aldergrove	917	04032	03	$d_o r_o d_o$	$drd_o r_o drd_o r_o ff$
Malin	980	0304	03		
Belmullet	976	9752	55		
Birr	965	9204	03		
Dublin	969	0704	04		
Shannon	962	0101	52		
Roches Point	952	0707	06		
Valentia	953	9203	51		

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ pp	$8N_s C h_s h_s$	$8N_s C h_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
CLMR	99527	70355	30001	52015	97808	63708	53400	00536	/////	/////	00106	10770	3//08	///14
	99572	70197	30004	22010	98011	09106	22400	00221	82815	/////	0//03	11053	30806	24010
	99660	10020	30004	81830	96636	19706	874//	00204	/////	/////	0//03	10611	30707	/////
	99470	70168	30004	11306	98020	19812	15600	00802	81640	/////	0//07	11460	30000	28803

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	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ pp	$8N_s C h_s h_s$	$8N_s C h_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
CLMR	99527	70355	30061	41710	98028	58206	43400	00731	/////	/////	05203	10779	3//03	///13
	99573	70197	30064	71630	98031	07408	25606	00820	82640	86275	0//03	11050	30906	23209
	99661	10020	30064	41728	97018	21806	49400	00209	/////	/////	0//04	10646	30606	/////
	99470	70172	30064	21615	98030	14412	21600	00823	82840	/////	0//09	11466	30301	28803

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

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