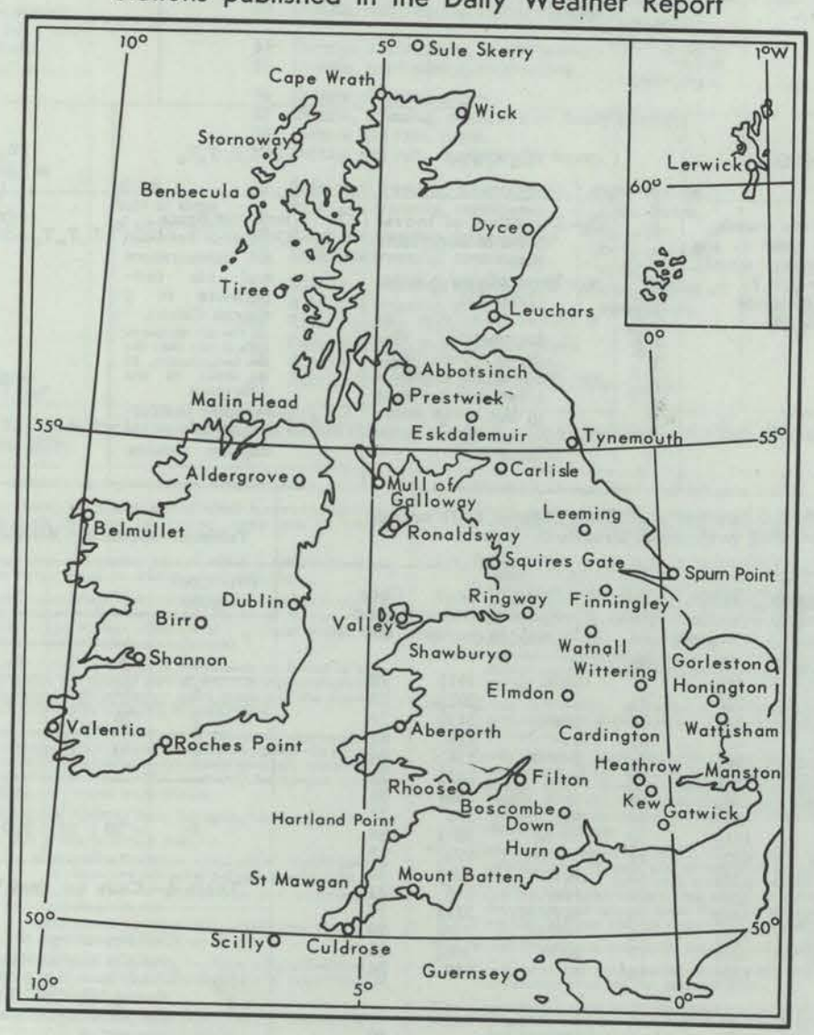
THE DAILY WEATHER REPORT

(INTRODUCTION)

1st January to 31st March, 1977

Stations published in the Daily Weather Report



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1. HISTORY

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

2. FORM OF PRESENTATION

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

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

2. FORM OF PRESENTATION (continued)

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

3. NOTES

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

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

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

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

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

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

4. EXPLANATION OF CODES AND SPECIFICATIONS

CODE FM 11 V—Land Stations

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

CODE FM 21 V—Ships

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

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

0 = None.

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

2 = 2 eighths of sky covered.

3 = 3 eighths of sky covered.

4 = 4 eighths of sky covered.

5 = 5 eighths of sky covered.

6 = 6 eighths of sky covered.

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

8 = 8 eighths (sky completely covered).

9 = Sky obscured or cloud amount cannot be estimated.

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

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

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

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

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

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

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

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

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

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

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

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

00–19 No precipitation at the station at the time of observation.	00	Cloud development not observed. (Characteristic change of the state of the sky during the past hour.)
	01	Clouds generally dissolving or becoming less developed. (Characteristic change of the state of the sky during the past hour.)
	02	State of sky on the whole unchanged. (Characteristic change of the state of the sky during the past hour.)
	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. (Fog not deeper than about 2 metres on land or 10 metres at sea.)
	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. (at or within sight of the station during the preceding hour or at the time of observation.)
	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. (Not falling as shower(s).)
	21	Rain (not freezing). (Not falling as shower(s).)
	22	Snow. (Not falling as shower(s).)
	23	Rain and snow or ice pellets type (a). (Not falling as shower(s).)
	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. (generally low.)
	37	Heavy drifting snow. (generally low.)
	38	Slight or moderate blowing snow. (generally high.)
	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. (thunderstorm during the preceding hour, but not at time of observation.)
	92	Moderate or heavy rain at time of observation. (thunderstorm during the preceding hour, but not at time of observation.)
	93	Slight snow, rain and snow mixed, or hail* at time of observation. (thunderstorm during the preceding hour, but not at time of observation.)
	94	Moderate or heavy snow, rain and snow mixed or hail* at time of observation. (thunderstorm during the preceding hour, but not at time of observation.)
	95	Thunderstorm, slight or moderate, without hail* but with rain and/or snow at time of observation. (thunderstorm during the preceding hour, but not at time of observation.)
	96	Thunderstorm, slight or moderate, with hail* at time of observation. (thunderstorm during the preceding hour, but not at time of observation.)
	97	Thunderstorm, heavy, without hail*, but with rain and/or snow at time of observation. (thunderstorm at time of observation.)
	98	Thunderstorm combined with duststorm or sandstorm at time of observation. (thunderstorm at time of observation.)
	99	Thunderstorm, heavy, with hail* at time of observation. (thunderstorm at time of observation.)

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

† Tornado cloud or water spout.

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

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

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

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

0	No stratocumulus, stratus, cumulus or cumulonimbus.
1	Ragged cumulus other than of bad weather, or cumulus with little vertical extent and seemingly flattened, or both.
2	Cumulus of moderate or strong vertical extent, generally with protuberances in the form of domes or towers, either accompanied or not by other cumulus or by stratocumulus : all having their bases at the same level.
3	Cumulonimbus, the summits of which, at least partially, lack sharp outlines, but are neither clearly fibrous (cirriform) nor in the form of an anvil : cumulus, stratocumulus or stratus may also be present.
4	Stratocumulus formed by the spreading out of cumulus : cumulus may also be present.
5	Stratocumulus not resulting from the spreading out of cumulus.
6	Stratus in a more or less continuous sheet or layer, or in ragged shreds, or both, but no stratus fractus of bad weather.
7	Stratus fractus of bad weather or cumulus fractus of bad weather (pannus), or both ; usually below altostratus or nimbostratus. By " bad weather " is meant the conditions which generally exist before, during or after precipitation.
8	Cumulus and stratocumulus, other than those formed from the spreading out of cumulus : the base of cumulus is at a different level from that of stratocumulus.
9	Cumulonimbus, the upper part of which is clearly fibrous (cirriform), often in the form of an anvil ; either accompanied or not by cumulus, stratocumulus, stratus or pannus.
/	Stratocumulus, stratus, cumulus and cumulonimbus are invisible owing to darkness, fog, blowing dust or sand, or other similar phenomena.

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

0	No altocumulus, altostratus or nimbostratus.
1	Altostratus, the greater part of which is semi-transparent : through this part the sun or moon may be weakly visible as through ground glass.
2	Altostratus, the greater part of which is sufficiently dense to hide the sun (or moon), or nimbostratus.
3	Altocumulus, the greater part of which is semi-transparent, and no part of which is crenelated or in cumuliform tufts : the various elements of the cloud change only slowly and are all at a single level.
4	Patches (often in the form of almonds or fishes) of altocumulus, the greater part of which is semi-transparent ; the clouds are at one or more levels and the elements are continually changing in appearance.
5	Semi-transparent altocumulus in bands or altocumulus in one more or less continuous layer progressively invading the sky : these altocumulus clouds generally are growing denser as a whole. The layer may be opaque or may consist of two or more sheets.
6	Altocumulus resulting from the spreading out of cumulus.
7	Any one of the following cases :— (a) Altocumulus in two or more layers, usually opaque in places and not progressively invading the sky. (b) Opaque layer of altocumulus not progressively invading the sky. (c) Altocumulus together with altostratus or nimbostratus or both.
8	Altocumulus with sprouts in the form of small towers or battlements, or altocumulus having the appearance of cumuliform tufts.
9	Altocumulus, generally at several levels, in a chaotic sky : dense cirrus is usually also present.
/	Altocumulus, altostratus and nimbostratus are invisible owing to darkness, fog, blowing dust or sand, or other similar phenomena, or more often because of the presence of a continuous layer of lower clouds.

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

0	No cirrus, cirrocumulus or cirrostratus.
1	Cirrus in the form of filaments, strands or hooks, not progressively invading the sky (often called " mares' tails ").
2	Dense cirrus, in patches or entangled sheaves, which usually do not increase and sometimes seem to be the remains of the upper part of a cumulonimbus : or cirrus with sproutings in the form of towers or battlements, or having the appearance of cumuliform tufts.
3	Dense cirrus, often in the form of an anvil ; either the remains of the upper parts of a cumulonimbus or parts of distant cumulonimbus, the cumuliform portions of which cannot be seen.
4	Cirrus in the form of hooks or of filaments, or both, progressively invading the sky : they generally become denser as a whole.
5	Cirrus, often in bands converging towards one point or two points of the horizon, and cirrostratus, or cirrostratus alone : in either case, they are progressively invading the sky, and generally growing denser as a whole, but the continuous veil does not reach 45 degrees above the horizon.
6	Cirrus, often in bands converging towards one point or two points of the horizon, and cirrostratus, or cirrostratus alone : in either case, they are progressively invading the sky, and generally growing denser as a whole ; the continuous veil extends more than 45 degrees above the horizon, without the sky being totally covered.
7	Veil of cirrostratus completely covering the celestial dome.
8	Cirrostratus not progressively invading the sky and not completely covering the celestial dome.
9	Cirrocumulus alone or cirrocumulus accompanied by cirrus or cirrostratus, or both, but cirrocumulus is the predominant cirriform cloud.
/	Cirrus, cirrocumulus and cirrostratus are invisible owing to darkness, fog, blowing dust or sand, or other similar phenomena, or more often because of the presence of a continuous layer of lower clouds.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CODE FIGURES 81–89

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

CODE FIGURES 90–99*

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

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

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

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

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

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

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

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

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

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

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

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

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

0 = wind speed estimated
1 = wind speed obtained by anemometer
} wind speed in metres per second

3 = wind speed estimated
4 = wind speed obtained by anemometer
} wind speed in knots

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

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

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

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

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

5. EXPLANATION OF CHARTS

BAROMETER. Isobars are drawn for intervals of four millibars.

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

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

CLOUD SYMBOLS

○ Clear sky. ◔ Sky ⅛ covered. ◔ Sky ⅛ covered. ◔ Sky ⅜ covered. ◑ Sky ⅜ covered.
◑ Sky ⅝ covered. ◕ Sky ⅝ covered. ◑ Sky ½ Covered ● Sky ⅞ 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. 253 — MONTHLY SUMMARY — For JANUARY 1977

COLD AT TIMES WITH SNOW; MILD SPELL DURING SECOND PART OF MONTH

A deep complex depression crossed England and Wales on the 1st and was replaced by a mainly northerly flow which reached all areas early on the 2nd. Later on the 2nd and during the 3rd a ridge of high pressure affected all areas, followed by Atlantic fronts which crossed the country between the 4th and 6th. During the 6th and 7th high pressure developed to the west of Ireland giving a northwesterly flow over most districts. On the 8th the anticyclone retreated southwestwards and troughs of low pressure crossed all areas from the northwest. During the next few days a large complex area of low pressure formed over western Europe and persisted until the 12th. During the 12th a deepening depression moved from the Atlantic towards the British Isles, crossing southern areas during the next couple of days, and moving east to be over northern Germany by the 16th. As the centre moved away from the British Isles the country was affected at first by a northerly flow and then by a ridge of high pressure. By the 17th the country came under the influence of a low pressure centre which had become established over mid-Atlantic and persisted in that area for most of the rest of the month. Southerly or southwesterly winds affected the British Isles and fronts crossed all areas in a generally southwest to northeast direction. During the last few days of the month winds over the whole country became very variable as small depressions crossed the country.

Many parts of England and Wales had rain on the 1st with sleet or snow over high ground. Other areas had scattered wintry showers with clear or sunny periods and this type of weather affected many areas until the 9th, although at times there were longer periods of rain or thunderstorms. From the 10th to the 17th it became cold or very cold. Outbreaks of rain, sleet or snow reached all areas and were often heavy and prolonged. The snow drifted in many areas especially in northern districts on the 10th when there were gales from northerly points, and in eastern parts of England on the 12th when there were strong southeasterly winds. On the 11th snow lay in Guernsey and was widespread in the Scottish Border country after overnight falls. Snow fell heavily for a time in England and Wales on the 13th, and in Scotland and north England on the 14th, again with much drifting. Fog forming overnight at times was often dense and freezing and occasionally persisted all day. Between the 18th and 27th the weather became much milder with winds, occasionally reaching gale force, blowing from southerly point. It remained unsettled with frequent outbreaks of rain and occasional sleet or snow. The cold air and wintry weather returned to most areas from the 27th to the end of the month although southern districts were mild at times. Freezing fog was widespread in southern England on the 30th persisting all day in parts of East Anglia and the southeast.

Because of the cold spells and mild spells, average temperatures were mostly within about 1°C of normal, below in many areas but near to or even a little above normal in parts of northeast Scotland and east and south England.

Amounts of rain were below average in most of Wales, west and extreme north Scotland and northwest England as well as parts of Northern Ireland. Elsewhere they were above average especially in some eastern parts of England.

Sunshine totals were above average in Northern Ireland, Scotland except Grampian, most of north England and the North Midlands and parts of southwest England. Remaining areas had less than normal, parts of Salisbury Plain only recording about half of the monthly average.

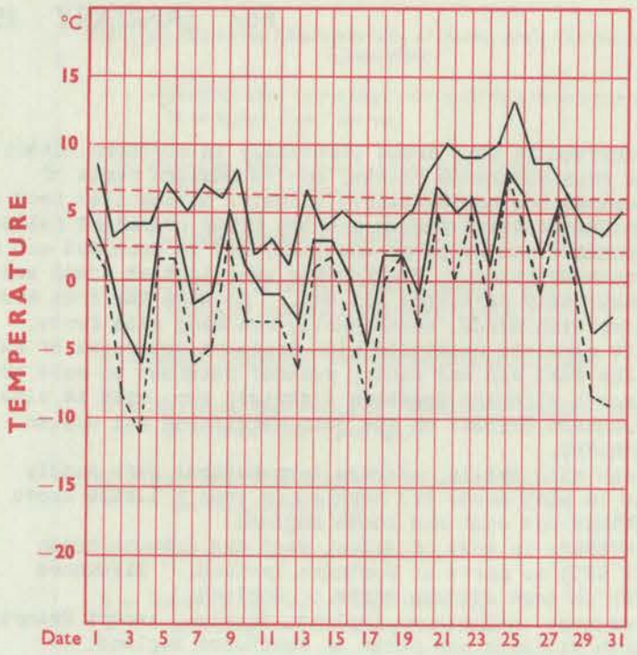
PLACE	TEMPERATURE										SUNSHINE										RAINFALL											
	Mean maximum °C	Difference from average	Mean minimum °C	Difference from average	Highest maximum °C	Date	Lowest minimum °C	Date	No. of days with grass minimum below 0° C	No. of air frosts	Days of no sunshine	Maximum duration hrs.	Date	Total for month hrs.	% of average	Highest and lowest totals on record for month: 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	Highest and lowest totals on record for month: First year of record	Highest mm.	Year	Lowest mm.	Year	Days with thunder	Days with snow or rain and snow	Days with fog (Vis. < 200 metres at 09 h.)
Kew Thorney Island	06.0	0.0	01.4	0.0	12.6	25	-05.6	04	16	15	12	07.6	31	041	085	1880	082	1952	015	1885	15	17	13	065	133	1866	127	1877	11	(a)	01	05	01
Cardington	05.3	-0.4	00.7	+0.1	12.7	25	-06.0	30	18	13	13	06.6	03	045	088	1950	083	1952	030	1960	16	11	13	049	109	1948	092	1956	16	1973	00	07	00
Boscombe Down	04.9	-0.8	00.8	-0.2	11.3	25	-05.2	30	19	14	16	06.5	03	032	060	1933	092	1959	027	1955	10	29	13	073	101	1931	158	1943	09	1950	00	09	02
Rhoose	05.8	-1.0	01.5	0.0	12.2	25	-04.2	30	18	11	11	06.3	02	051	104	1955	085	1959	026	1964	10	12	27	071	075	1955	139	1971	19	1964	00	11	01
Mount Batten	07.7	-0.3	03.0	-0.8	11.2	25	-03.7	12	15	09	09	06.9	31	074	132	1921	094	1963	025	1966	13	25	17	112	104	1921	209	1970	20	1935	03	05	00
Elmdon	04.7	-0.7	00.2	-0.6	12.3	25	-05.8	03	22	14	14	06.6	16	039	089	1945	074	1952	017	1960	14	20	27	073	126	1941	131	1960	14	1950	01	15	02
Valley	06.4	-0.8	02.5	-0.7	10.3	(a)	-04.2	13	15	08	11	07.5	29	053	093	1946	093	1963	033	1968	10	21	14	085	094	1941	195	1948	19	1963	00	06	00
Ringway	04.8	-0.7	01.0	-0.2	12.0	25	-05.2	17	16	11	13	06.7	29	046	118	1946	071	1959	011	1953	12	09	25	062	087	1942	170	1948	11	1963	00	12	00
Watnall	04.3	-0.8	00.5	-0.3	11.8	25	-05.3	30	22	13	15	06.2	03	043	107	1949	074	1952	020	1961	12	24	27	088	133	1942	149	1948	17	1964	01	17	00
Finningley	04.5	-1.1	00.4	-0.6	11.3	25	-06.1	30	20	13	12	06.2	03	049	114	1958	071	1962	023	1969	15	12	(b)	068	142	1958	116	1960	15	1964	00	14	02
Tynemouth	04.8	-0.8	01.1	-1.1	08.4	07	-06.2	13	15	10	-	-	-	-	-	1937	094	1959	006	1942	09	21	14	085	144	1864	170	1948	06	1905	00	10	00
Eskdalemuir	02.7	-1.0	-02.1	-1.2	08.2	05	-13.0	03	23	20	16	07.7	29	053	123	1911	096	1959	012	1913	11	18	25	119	077	1911	390	1928	43	1941	00	15	00
Abbotsinch	04.8	-0.7	-00.6	-1.4	10.4	05	-09.5	12	21	17	13	07.4	28	057	158	1921	069	1972	009	1940	13	19	25	070	073	1921	241	1928	18	1963	00	08	01
Leuchars	04.2	-1.0	-00.6	-1.2	10.0	05	-11.6	13	28	18	10	07.5	29	061	111	1922	101	1959	021	1942	18	33	14	076	133	1922	124	1928	12	1953	01	09	00
Dyce	04.3	-0.4	-00.3	-0.1	11.0	05	-07.6	17	22	14	14	07.8	31	046	092	1941	089	1959	017	1971	12	24	14	070	090	1942	157	1970	20	1964	01	13	00
Stornoway	05.5	-0.6	01.5	-0.5	10.3	04	-05.8	12	17	13	10	05.6	13	052	141	1881	066	1963	012	1907	05	14	29	117	105	1943	195	1962	26	1963	00	10	00
Aldergrove	05.0	-0.8	00.0	-1.3	10.2	04	-07.8	29	20	17	13	07.3	28	053	120	1927	082	1959	024	1944	08	23	25	098	113	1927	143	1942	31	1935	00	11	01

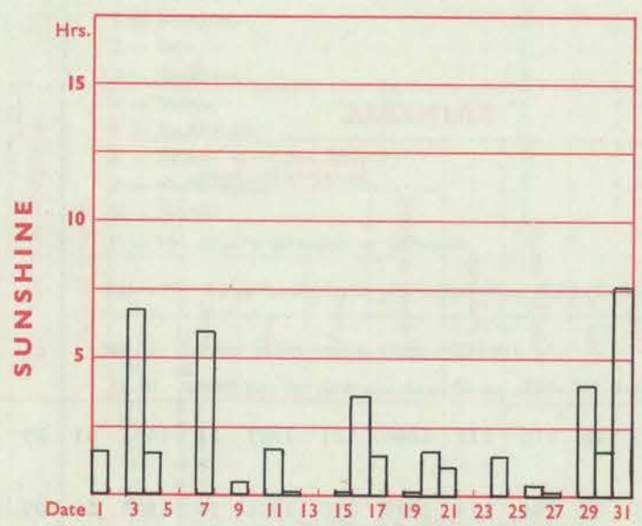
(a) 05, 25

(a) 1880, 1892 (b) 01, 27

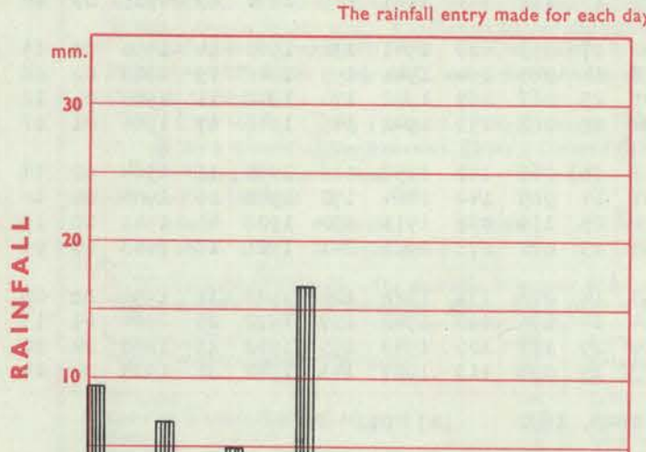
Corrections to MONTHLY SUMMARY No.252 for DECEMBER 1976
KEW: Mean minimum temperature to read 00.1
ELMDON: Sunshine total for month 70 hrs is new highest on record
WATNALL: Days of no rainfall to read 14

LONDON (Kew)



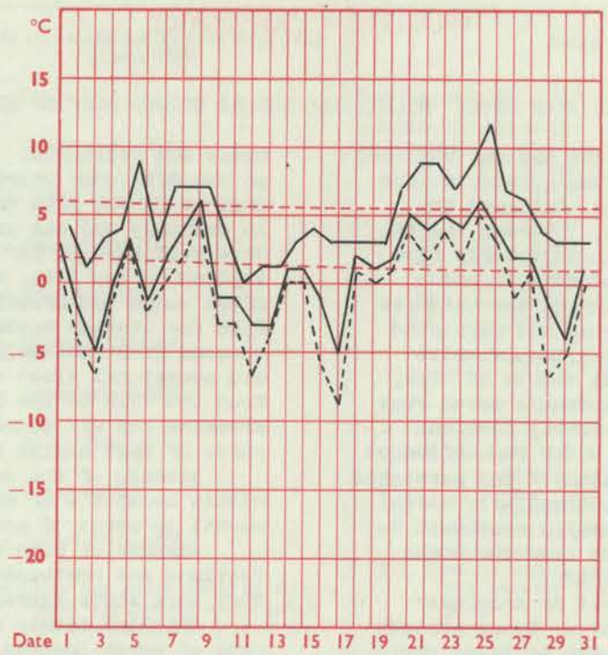


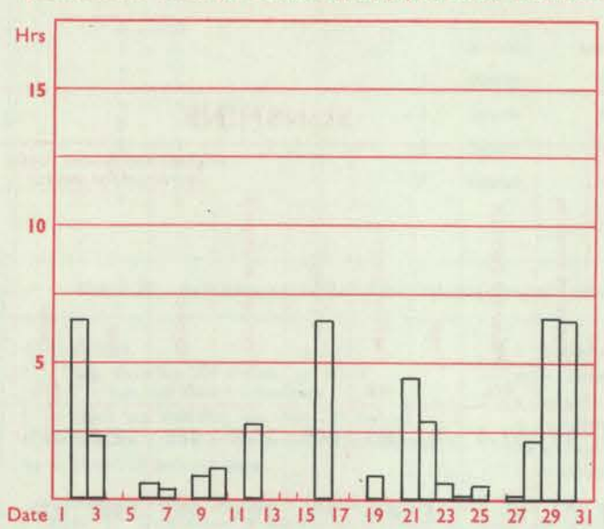
Total for month 41 30-year (1941-1970) average 48 hrs.



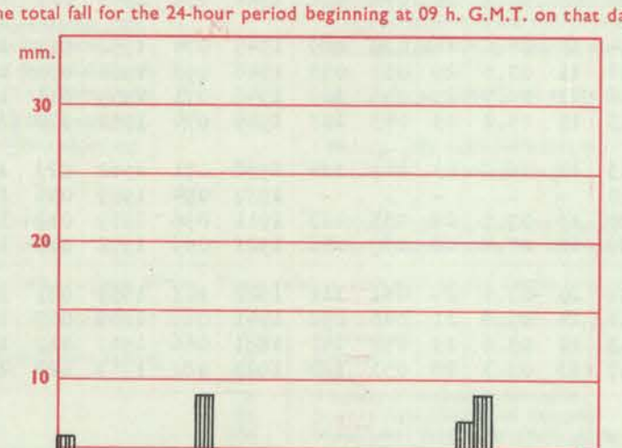
Total for month 65 30-year (1941-1970) average 49 mm.

MANCHESTER (Ringway)



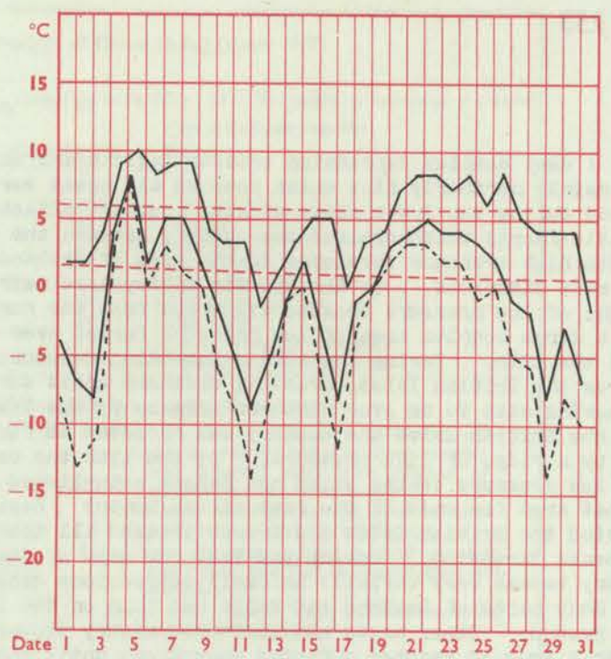


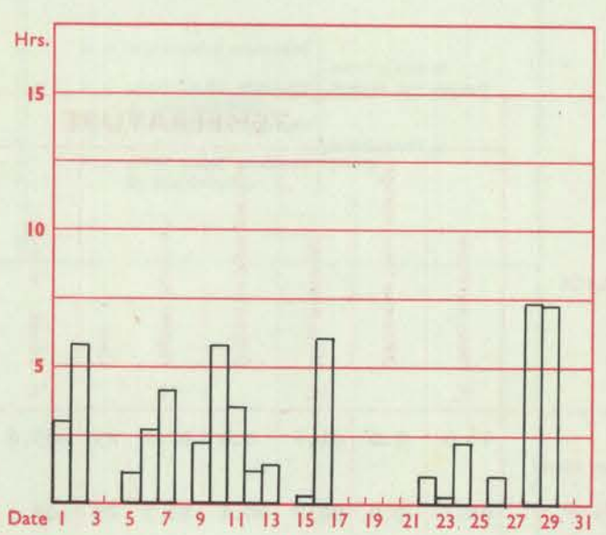
Total for month 46 30-year (1941-1970) average 39 hrs.



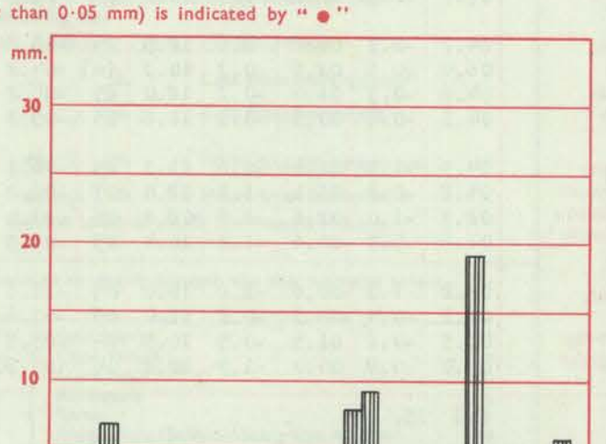
Total for month 62 30-year (1941-1970) average 71 mm.

GLASGOW (Abbotsinch)





Total for month 57 30-year (1941-1970) average 36 hrs.



Total for month 70 30-year (1941-1970) average 96 mm.

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

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

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

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

42044

Date of Issue SATURDAY 1 JANUARY 1977

Code FM 11.D — OBSERVATIONS at 12h. 31 DECEMBER 1976

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	50634	95305	6527/	05809	81704	86620	88358
Hurn	862	71507	58056	94808	784//	07812	82815	87630	
Thorney Island									
Manston	797	81712	56052	97706	2567/	04807	82640	84359	88463
Gatwick	776	81707	59036	96508	6541/	06808	81710	84622	88462
Kew	775	71708	65031	96108	5647/	05809	85712	87360	
Heathrow	772	71708	59052	96108	3547/	06807	82711	84360	86465
Honington	586	71703	50021	96705	20932	04802	82362	83070	86078
Wattisham	590	61608	48102	96906	25632	05804	82640	86070	
Gorleston	497	61905	58032	97405	30971	04104	83360	86075	
Aberporth	502	71614	83031	92605	18302	03807	81708	87075	
Filton	628	71006	50041	94404	756//	03811	82635	87650	
Rhoose	715	71108	65022	93805	55508	03811	81625	85640	87275
Hartland Point	703	71410	78051	92306	58532	03811	81825	85645	87075
Mount Batten	827	71208	66028	92707	785//	06712	84820	87630	
St. Mawgan	817	71207	70032	92107	68332	05714	81708	86626	
Scilly	804	61603	82258	91509	5857/	07716	82820	84628	
Culdrose	809	60703	70028	91707	39531	07716	81920	83362	
Guernsey	894	81414	40616	94306	871//	05819	84702	87703	
Elmdon	534	71606	62041	95404	20936	02000	82362	87272	
Cardington	559	71404	60051	96107	35738	05804	83650	83365	87270
Wittering	462	71706	72021	96005	10932	03002	81365	87072	
Watnall	354	71902	57041	95004	11408	02005	81810	87270	
Shawbury	414	70000	78021	94203	15608	01002	81635	87272	
Finningley	360	71909	59041	94703	00908	01008	87275		
Spurn Point	396	41812	70020	95403	10971	01011	81360	84075	
Leeming	257	71208	84021	93004	25502	01116	82620	87072	
Tynemouth	262	52511	61021	91604	20948	01232	82358	85275	
Carlisle	222	62008	78028	91903	28504	02119	82820	86075	
Valley	302	72701	80151	92907	58436	03107	82817	83826	87276
Ringway	334	61808	58021	94304	18502	51002	81820	86072	
Squires Gate	318	71712	62011	93005	68541	02008	82822	85630	86075
Ronaldsway	204	70000	84028	92405	12406	02112	81818	87275	
Mull of Galloway	131	22712	84010	91905	11550	02214	81825		
Eskdalemuir	162	52113	60268	91001	58402	00220	83710	83820	
Prestwick	135	52516	67271	89905	59400	00118	81712	81916	85822
Abbotsinch	140	62410	70258	89005	633//	01222	81708	82910	84818
Leuchars	171	12320	70021	87304	15400	51223	81712		
Dyce	091	12504	84021	84603	11402	51216	81815		
Lerwick	005	82605	60938	81003	894//	01707	84912	85640	
Wick	075	62112	80801	80703	49463	01001	81818	82920	83645
Sule Skerry	010	30000	82011	80505	22501	03206	82820		
Cape Wrath	049	71810	64151	80703	5647/	00213	85710	87360	
Stornoway	026	70616	70808	79904	784//	03323	84816	86628	
Benbecula	022	83332	25688	84401	872//	01263	85703	88706	
Tiree	100	32725	62158	87104	39400	01220	81910		
Aldergrove	917	92008	01454	92201	9////	00115	89/00		
Malin	980	32521	83018	90305	38500	54218	83820		
Belmullet	976	50000	80031	92403	22506	01110	82820	84272	
Birr	965	50000	80121	92050	00902	50000	85070		
Dublin	969	63104	80021	92302	11532	01002	81824	86070	
Shannon	962	60302	84020	91801	35632	00002	83630		
Roches Point	952	70511	80022	90606	49476	04805	82818	83635	87273
Valentia	953	70810	82031	89806	5853/	02807	83823	87362	

Code FM 11.D — OBSERVATIONS at 18h. 31 DECEMBER 1976

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	81008	50604	90705	853//	05723	83706	88618	
Hurn	862	80706	58622	90006	5732/	06726	84707	83611	88533
Thorney Island									
Manston	797	81313	30206	93404	862//	03725	85703	88704	
Gatwick	776	80909	50506	91706	872//	05828	88704		
Kew	775	70804	62022	92007	5567/	04723	85640	87462	
Heathrow	772	70808	58026	91906	6543/	05725	82712	86635	87362
Honington	586	81105	45052	94005	862//	04814	88704		
Wattisham	590	81008	40216	94005	851//	04817	85702	88633	
Gorleston	497	81407	58022	95105	8097/	04714	88360		
Aberporth	502	81514	70212	89205	5567/	02714	85644	88465	
Filton	628	81006	35616	90405	872//	05720	82704	88707	
Rhoose	715	80709	30636	89605	870//	05720	82700	85701	88702
Hartland Point	703	80909	66606	88306	6542/	05821	82710	86625	88460
Mount Batten	827	81006	50638	87507	5832/	06823	83708	83625	88540
St. Mawgan	817	81309	62616	87006	5737/	05722	82707	84711	88459
Scilly	804	81104	60258	87107	884//	06718	84818	88628	
Culdrose	809	81006	58636	86607	4722/	06724	84703	88460	
Guernsey	894	81209	12636	87907	870//	07731	87700		
Elmdon	534	80605	50212	92604	862//	03715	88703		
Cardington	559	70909	40102	92705	6563/	05726	86644	87360	
Wittering	462	80805	08462	93404	850//	04714	86700	86708	88613
Watnall	354	80506	22102	93401	8091/	01711	83360	88465	
Shawbury	414	80705	18102	92303	855//	01711	82626	88630	
Finningley	360	70902	35102	94000	10936	50803	81360	87275	
Spurn Point	396	71405	40101	94703	30976	03806	83360	87275	
Leeming	257	81508	40042	94401	35507	00109	83624	88272	
Tynemouth	262	81906	56022	94103	00907	01211	88275		
Carlisle	222	71302	60032	93202	35538	01208	81623	83643	87272
Valley	302	80508	68026	91505	4537/	04806	81709	84628	88458
Ringway	334	81006	56042	93302	20937	51807	82360	88268	
Squires Gate	318	80806	37102	92901	15637	00000	81635	88272	
Ronaldsway	204	70406	70022	92502	38438	01001	81815	83657	87270
Mull of Galloway	131	73605	84031	92801	55601	00202	85630	87075	
Eskdalemuir	162	80000	04464	93453	860//	53305	88700		
Prestwick	135	31106	70021	91901	38501	51103	81820	83625	
Abbotsinch	140	12103	80018	91502	15400	51109	81615		
Leuchars	171	12415	80020	90602	00902	52216	81070		
Dyce	091	12722	84020	88202	18400	52319	81815		
Lerwick	005	72206	62258	83402	794//	00218	81914	86640	
Wick	075	42712	81018	84950	28432	51232	81818		
Sule Skerry	010	83626	66258	85903	885//	02243	85820	88625	
Cape Wrath	049	80515	70267	87803	884//	00250	84815	88620	
Stornoway	026	63611	75258	91302	48432	51255	81710	83816	
Benbecula	022	70111	66878	92302	794//	51229	84915	87621	
Tiree	100	50214	70278	92103	49462	01225	81915	83820	
Aldergrove	917	30302	15404	93052	10932	53104	81362		
Malin	980	41601	82258	92301	18502	50109	81820	83075	
Belmullet	976	70108	81012	92302	21538	50601	82820	87270	
Birr	965	70508	40104	91301	756//	50400	87632		
Dublin	969	70105	59102	91801	4567/	00000	84630	87460	
Shannon	962	80609	80216	90203	854//	01603	82715	88635	
Roches Point	952	80413	56618	87704	864//	03710	82710	88718	
Valentia	953	80816	62618	88403	5642/	01702	85711	88535	

OBSERVATIONS during DAY

Station	iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
Boscombe Down	746	05061	000	$fr_or_dr_of$	r_or_r
Hurn	862	08082	000	r_orR	r_or_r
Thorney Island					
Manston	797	01061	000	r_or_o	$r_od_or_od_o$-d_or_o
Gatwick	776	04081	000	ir_o	$d_or_dr_or_o$
Kew	775	08082	000	+	r_or_r
Heathrow	772	05082	000	+	r_or_r
Honington	586	01061	006	+	r_or
Wattisham	590	01071	001	+	r_or_r
Gorleston	497		000		
Aberporth	502	96051	020	+	$ir_or_or_o$
Filton	628	05061	000	+	$r_or_or_r$
Rhoose	715	05061	001	r_od_o	d_od_o-$r_or_r_or_r$
Hartland Point	703	02072	002		
Mount Batten	827	08071	000	$pr_opRpr_or_o$	$r_or_or_r$
St. Mawgan	817	02081	003	+	$r_or_or_r_or_o$
Scilly	804	04092	000	+	$ir_r_or_o$
Culdrose	809	04082	009	pr_oir_o	ir_or_r
Guernsey	894	15092	000	$r_or_oir_o$	irRRfrr
Elmdon	534	94041	021	+	r_o-r_or_o
Cardington	559	02072	015	+	r_or_or
Wittering	462	95051	016	+	fr_or
Watnall	354	92061	014	+	$s_or_os_od_or_off$
Shawbury	414	01051	011	+	rr_or_o
Finningley	360	00044	023	+	fFF
Spurn Point	396			+	+
Leeming	257	00053	029	+	+
Tynemouth	262	00051		+	+
Carlisle	222	00053	002	+	+
Valley	302	01071	001	ir_o	ir_or_r
Ringway	334	00041	033	+	+
Squires Gate	318	00061	011	+	+
Ronaldsway	204	97051	000	+	r_o
Mull of Galloway	131	00051			
Eskdalemuir	162	91027	014	pr_os_o	ff
Prestwick	135	95063	033	ph_o	+
Abbotsinch	140	92053	037	pr_o	+
Leuchars	171	00043	056	+	+
Dyce	091	00045	056	+	+
Lerwick	005	08042	000	$pr_oph_or_olss$	$r_or_opr_or_o$
Wick	075	01042	019	pr_o	pr
Sule Skerry	010	02052			
Cape Wrath	049	07045	000	RS	$pr_os_oph_or_o$
Stornoway	026	09055	000	pr_oprph_ofpS	$pr_os_opr_op_os_o$
Benbecula	022	08056	011	$prprsrsr_os_o$	ph_oss
Tiree	100	02051	007	pr_opsprs_o	$ph_or_oprspr_o$
Aldergrove	917	00023	008	FFff	ff
Malin	980	9106	035		
Belmullet	976	9704	021		
Birr	965	9701	003		
Dublin	969	9704	000		
Shannon	962	9703	000		
Roches Point	952	0306	000		
Valentia	953	0506	000		

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

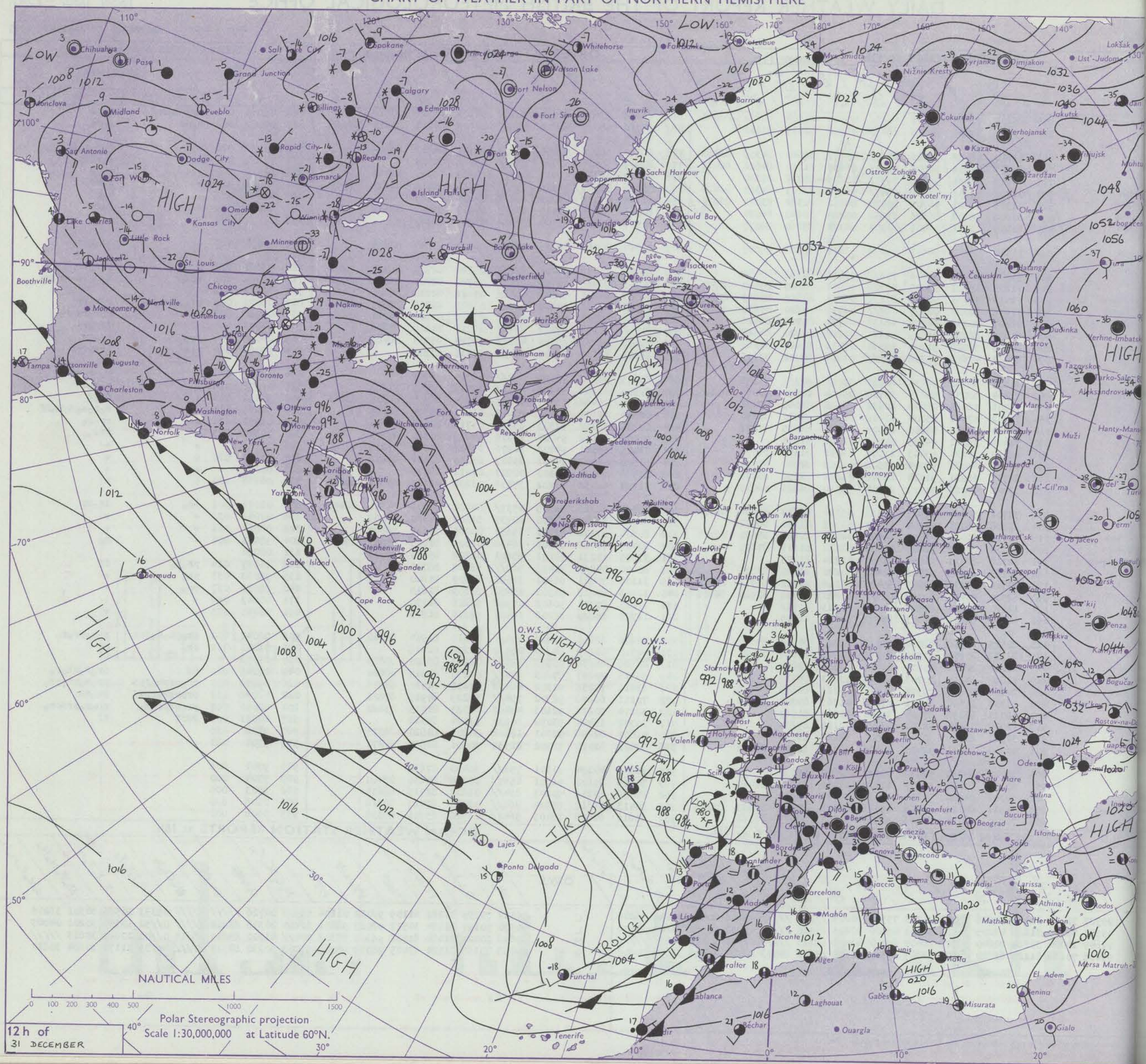
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	31121	70906	98021	06203	75500	00805	/////	/////	05456	10599	30201	36206
L	99570	70195	31124	43205	96268	98001	49400	00203	84910	/////	0//52	10960	30201	04006
M	99649	10024	31124	81640	96026	88304	854//	41002	88615	/////	0//50	10689	30813	/////
R	99468	70166	31124	62820	98278	92007	39503	00602	83920	84073	0//04	11206	30603	30808

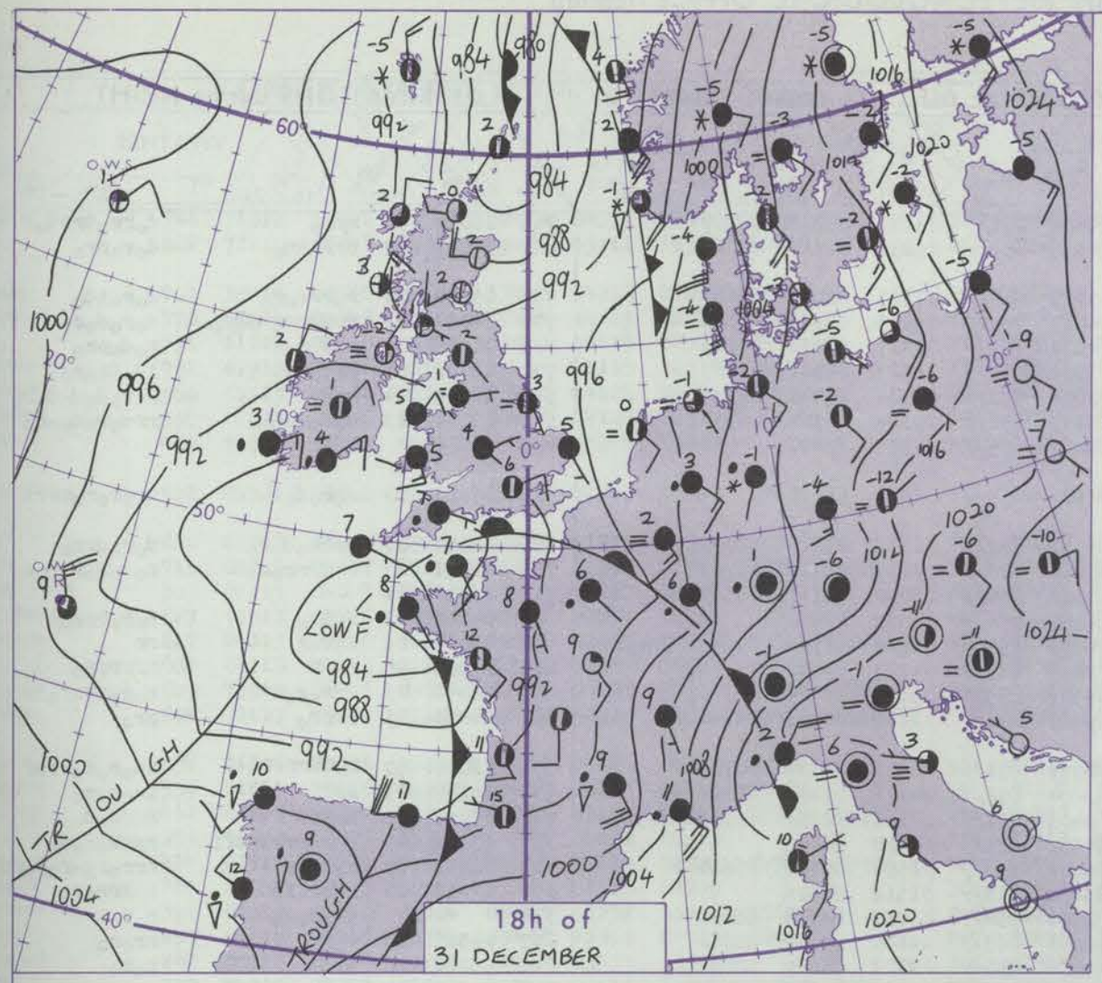
Code FM 21.D — OCEAN WEATHER STATION REPORTS at 18h.

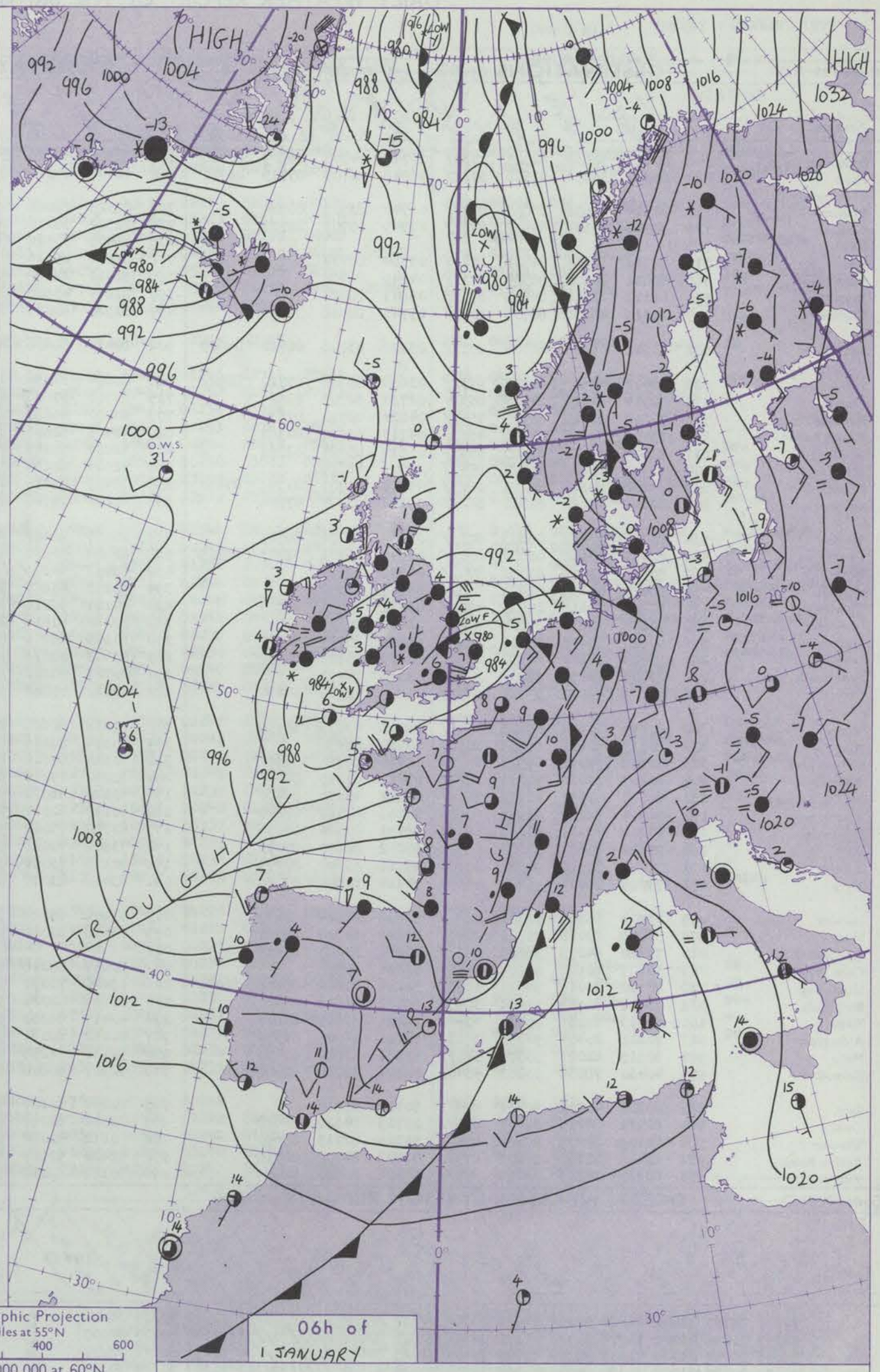
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	31181	61109	98032	01104	65500	00726	/////	/////	05353	10581	30302	36206
L	99570	70197	31184	30512	97028	98801	32400	00308	83812	/////	0//52	10958	30202	04007
M	99648	10024	31184	81738	96602	87302	884//	41000	83810	88615	0//01	10669	30813	/////
R	99468	70168	31184	63425	98038	95009	59403	00230	84915	/////	0//05	11172	30604	30810

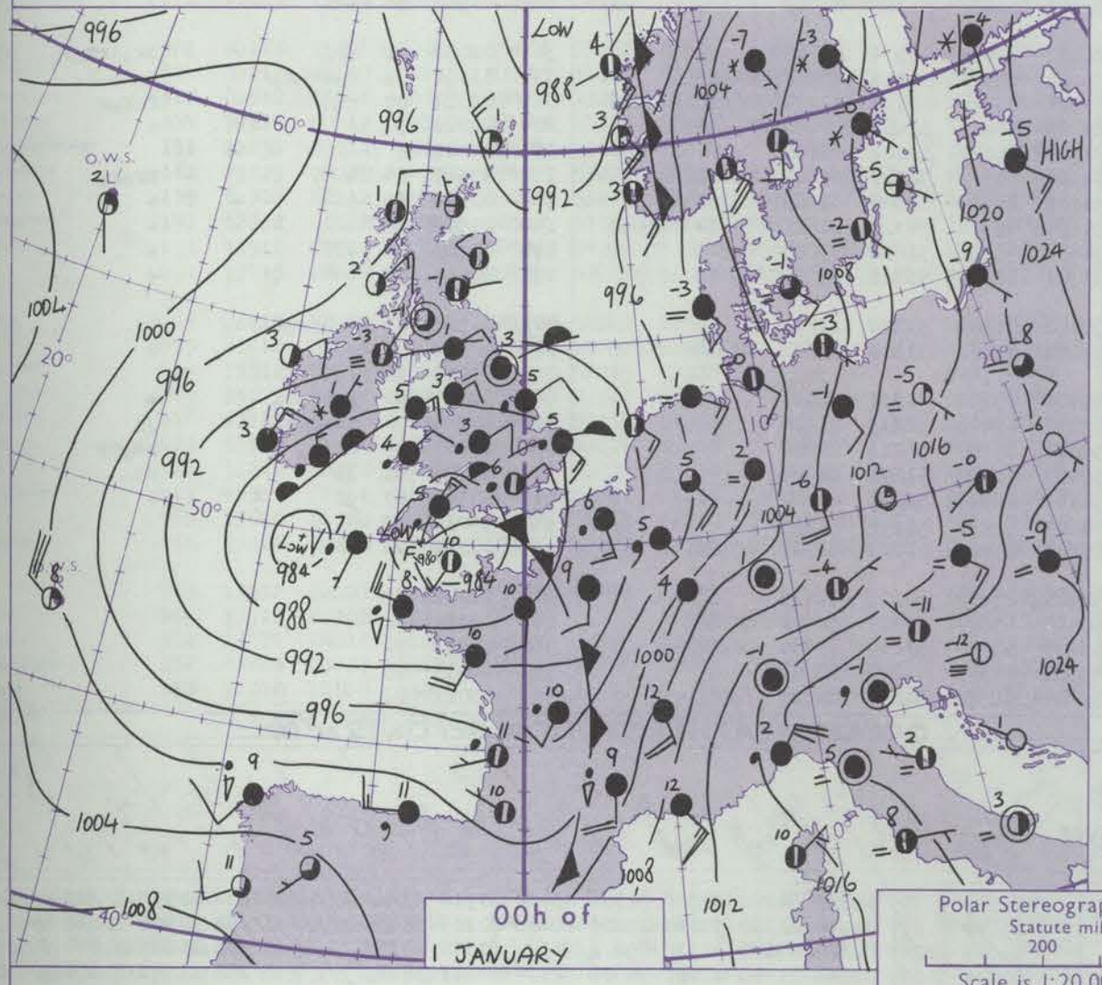
times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


LOW
HIGH
TROUGH
ROUGH
Chihuahua
El Paso
Monclova
Midland
Pueblo
Grand Junction
Salt Lake City
San Antonio
Fort Worth
Dodge City
Rapid City
Billings
Spokane
Calgary
Edmonton
Regina
Fort Nelson
Whitehorse
Watson Lake
Fort Simpson
Fort Smith
Bismarck
Omaha
Kansas City
Minneapolis
Winnipeg
Lake Charles
Little Rock
Jackson
St. Louis
Boothville
Nashville
Montgomery
Columbus
Chicago
Nakina
Winisk
Churchill
Baker Lake
Chesterfield
Island Falls
Coppermine
Sachs Harbour
Inuvik
Barrow
Fairbanks
Kotzebue
Myr. Šmidta
Nižnie Kresty
Tyrjanka
Ojmjakon
Ust'-Judoma
Lokšak
Čokurdah
Jakutsk
Verhojansk
Kazačje
Ostrov Zohova
Ostrov Kotel'nyj
Olenek
Tiksi
Muhtuj
Ostrov Čeljuskin
Hatanga
Tura
Dudinka
Verhne-Imbatsk
Tazovskoe
Turuhansk
Aleksandrovskoe
Mare-Sale
Muži
Hanty-Mansijsk
Molodežnyj
Obdorsk
Ust'-Cil'ma
Ob'jacevo
Perm'
Arhangel'sk
Kotlas
Kirov
Kazan'
Penza
Moskva
Kujbyšev
Bugulma
Buguruslan
Kurgan
Magnitogorsk
Orsk
Kustanaj
Petropavlovsk
Omsk
Tjumen'
Surgut
Berezovo
Salehard
Nadym
Ostrov Dikson
Nord
Barentsburg
Ny-Ålesund
Hopen
Bjornoya
Tromsø
Murmansk
Kandalaksa
Petrozavodsk
Kem'
Kotlas
Ukhta
Syktyvkar
Kirov
Kazan'
Penza
Saratov
Volgograd
Astrahan'
Uralsk
Aktjubinsk
Orenburg







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 1 JANUARY 1977**

Over the past 24 hours the depression off northern Scotland has continued to move northwards with little change in pressure whilst a deepening low has moved from northwest Spain to East Anglia, bringing moderate or heavy rainfall to southern Britain overnight. A weak ridge of high pressure persists to west of Ireland.

During the next 24 hours this low will move northeast across the North Sea filling slowly, and with the ridge of high pressure moving slowly east, a cold northerly airstream will become established over the British Isles.

Code FM 11.D

OBSERVATIONS at 00h. 1 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dappp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	80613	58636	82505	7722/	04747	84703	86709	88556
Hurn	862	80307	35656	81506	5722/	06748	81703	85705	88510
Thorney Island									
Manston	797	81514	28636	86807	872//	06740	83703	88704	
Gatwick	776	81410	40636	83608	872//	08749	85705	88707	
Kew	775								
Heathrow	772	80612	30636	84006	872//	05754	88704		
Honington	586	80811	20636	86504	871//	04749	88702		
Wattisham	590	81113	12616	86505	870//	05847	88700		
Gorleston	497	81315	48636	88705	8092/	05741	88558		
Aberporth	502	80511	66616	86004	853//	03720	83708	86712	88625
Filton	628	80407	40636	84103	6732/	03638	83706	85710	88522
Rhoose	715	80514	64616	04303	853//	02730	82706	88616	
Hartland Point	703	70512	82216	83605	754//	04824	83710	87630	
Mount Batten	827	63406	59216	82406	4563/	04717	83630	84360	
St. Mawgan	817	70507	65026	83905	5557/	03514	85624	87360	
Scilly	804	81903	60636	84807	854//	06706	88619		
Culdrose	809	73402	64026	84205	1627/	05504	81703	83359	87460
Guernsey	894	82016	70026	82310	862//	09612	83704	87706	
Elmdon	534	80611	50636	86603	873//	03639	85706	88708	
Cardington	559	80411	40636	85604	870//	04847	85701	87703	88705
Wittering	462	80516	11656	87004	870//	04742	88700		
Watnall	354	80410	09637	87903	870//	03835	88700		
Shawbury	414	80408	12616	87503	870//	03731	86701	88703	
Finningley	360	90208	02636	89502	9////	02832	89///		
Spurn Point	396	80810	25616	90705	854//	05727	85715	88630	
Leeming	257	83406	18102	92300	853//	50817	85707	88620	
Tynemouth	262	83606	24052	93703	8091/	02813	88458		
Carlisle	222	80609	64022	93001	20937	51809	82363	88270	
Valley	302	80614	60602	88605	3541/	02715	83617	88458	
Ringway	334	80513	60616	89103	8092/	50730	88458		
Squires Gate	318	80608	57042	89903	6577/	01720	86656	88360	
Ronaldsway	204	80207	70016	90703	2547/	01813	81715	88460	
Mull of Galloway	131	80515	82032	91903	5562/	01812	85630	88460	
Eskdalemuir	162	71704	62024	93954	50936	56808	85361	87270	
Prestwick	135	60000	70011	93351	5553/	52701	83624	83656	
Abbotsinch	140	70302	50101	93853	15601	53102	81630	87072	
Leuchars	171	70802	70021	94851	15608	53210	81640	87275	
Dyce	091	73009	86031	95201	15634	54114	81640	87070	
Lerwick	005	33214	65268	91301	384//	52238	81814	83630	
Wick	075	53306	80028	94901	28430	51226	81818	85360	
Sule Skerry	010	73220	64278	95502	785//	00240	83820	87625	
Cape Wrath	049	53607	60878	96200	59500	51234	85920		
Stornoway	026	73610	80018	96601	18432	52214	81816	85362	86070
Benbecula	022	63507	80028	96951	3843/	52112	81818	85360	
Tiree	100	40413	87038	95002	43400	51208	81915	83822	
Aldergrove	917	70202	20404	92753	3603/	54806	81700	86359	
Malin	980	50315	81021	93305	585//	51001	83820	83635	
Belmullet	976	40410	78036	93203	43400	01204	81718	82920	
Birr	965	80307	40707	90501	874//	50709	88712		
Dublin	969	80411	82215	89405	855//	02713	84620	88628	
Shannon	962	80109	80237	90302	854//	51705	82715	88640	
Roches Point	952	83416	50636	86203	873//	02708	84708	88716	
Valentia	953	80214	70806	89803	885//	50206	86820	88635	

OBSERVATIONS at 06h. 1 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dappp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
746	82306	59506	85804	871//	03232	86702	88707	
862	62407	64016	86506	652//	05237	84705	85620	
797	82323	68026	85709	854//	07315	85710	88620	
776	72322	70016	84609	783//	08225	85708	87625	
775	82405	50516	84108	873//	07317	83708	88711	
772	82506	25616	83906	871//	06323	82702	88705	
586	81912	22586	82809	872//	08301	83703	88704	
590	81814	45506	83109	852//	09304	83704	85707	88614
497	81920	60026	83407	855//	07507	88620		
502	80413	58636	86103	854//	02304	88615		
628	80604	30596	85902	872//	01318	85704	88706	
715	80707	57686	85401	872//	01115	87704	88707	
703	80000	66687	84102	854//	02000	86712	88635	
827	72415	62606	85107	756//	05000	87630		
817	72208	70216	84605	5532/	04506	82708	85641	87459
804	42614	60218	85106	42560	04705	84820		
809	32413	60216	84606	35500	05605	83625		
894	62222	75028	89407	684//	03116	84818	84640	
534	83607	40687	84901	871//	01308	85702	88703	
559	83002	50606	83604	872//	04312	87703	88704	
462	83413	60216	83403	861//	02301	82702	84703	88704
354	80212	65687	84501	871//	01712	88702		
414	80111	58016	85802	853//	01504	85706	88624	
360	80112	80616	85602	873//	01512	88706		
396	80114	68216	82904	854//	03730	82715	88630	
257	83613	58636	88003	863//	02619	84708	88710	
262	80527	80022	90006	855//	03722	85625	88630	
222	80112	75022	90601	3557/	51710	82628	88460	
302	80312	62606	88505	854//	02304	88616		
334	80314	80216	85903	854//	00714	86710	88645	
318	80510	60616	87204	854//	02711	82712	86622	88650
204	80210	75012	89803	2567/	52602	82640	88360	
131	60520	86012	91703	656//	52701	86630		
162	80117	62022	91901	855//	52507	84627	88645	
135	80310	75022	93501	15502	52500	81625	88070	
140	73502	70032	94654	45501	54303	81628	84634	86070
171	70113	75022	94601	35638	51802	83630	84360	87275
091	83408	83032	96301	6567/	53202	81630	86640	87360
005	33408	65028	97400	38400	51221	81815		
075	63408	80021	98001	35632	51209	83636	83360	86070
010								
049	20909	80018	99101	23500	51211	82920		
026	13409	75031	99751	19400	52213	81914		
022	23608	82021	99951	25600	53211	82630		
100	40419	86030	97403	42500	51211	84825		
917	20212	80031	92101	15531	52205	81620		
980	50431	82258	94805	585//	51111	84820		
976	50517	68808	95803	534//	01212	81717	85920	
965	80108	60107	92401	856//	50108	88635		
969	83511	82027	90403	6553/	00307	82622	86650	
962	80112	80022	93202	5573/	51210	85650	86359	
952	83422	50687	89902	873//	01223	88708		
953	70117	80018	93604	3857/	51224	81823	87458	

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	08021	50	rrr_o	$d_orr_odrid_o$
862	12051	02	rrr_oRd_o	$d_or_opr_o$
797	05051	04	$r_orrr_or_o$	$d_or_oid_o$
776	12051	03	$rrRdrd_o$-d_or_o	$d_or_od_or_o$
775	10051	03	$rrRrr_o$	$r_od_opr_o$
772	12051	03	rrr_oRd_o	$id_oRr_or_o$
586	10041	04	r_orr	$rrr_od_od_od_or_o$
590	07041	03	$d_or_orr_odr$	$rrd_or_od_o$-r_o
497				
502	07021	00	$r_or_od_od_o$	$ir_or_or_orrrs$
628	12011	01	$rrRr_od_or_o$	$d_or_odrr_o$
715	08011	00	$rrRrrr_or_o$	$r_od_or_orsr_os_o$
703	16012	01		
827	04051	02	$rrir_o$	$r_or_orpr_o$
817	07031	02	r_or_or	rr
804	09052	04	r_orr	$prrrpr_o$
809	08042	03	rrr_or_o	$r_or_orrir_oir$
894	04061	05	$rrpr_o$	pr_o
534	12005	50	r_orRrr-rs-s	$ss_or_os_orssf$
559	17032	03	rr	$ir_or_or_o$
462	18031	02	rrffR	$Rrrr_od$
354	13005	00	$d_or_orrrsrsff$	$rsss_or_os_o$
414	08012	00	r_or_orr	rrr_or_o-$r_os_or_s$
360	17011	00	r_orrffR	$rRRrr_or_o$
396			$ir_or_or_o$	r_or_o
257	04511	53	r_or	rr_or_o
262	95022	52	+	r_or_o
222	00513	54	+	+
302	02031	02	ir_o	$ir_oirr_or_o$
334	01031	01	$r_orr_or_o$	r_or_o-r_o
318	02011	00	r_o	r_or_or
204	00021	51	+	+
131	00011			
162	97567	54	+	pr_os_o
135	00523	55	+	+
140	00543	58	+	+
171	00533	56	+	+
091	00515	54	+	+
005	01536	55	$ir_opr_os_opr_os_o$	+
075	00513	55	+	+
010	01015	52		
049	02017	52	$psph_or_o$	+
026	97525	54	$ph_or_os_o$	jp
022	01527	54	$ssis_o$	ps_ops
100	97025	51	jp	ph_o
917	00543	57	jf	+
980	97011	52		
976	01011	00		
965	91005	52		
969	02013	51		
962	01013	51		
952	16015	55		
953	03011	01		

Code FM 21.D

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_sappp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	01001	21214	98011	96905	25500	00737	/////	/////	05251	10612	3//04	36/06
L	99569	70198	01004	31702	98030	01302	32400	00205	83818	/////	0//52	10969	30000	04007
M	99646	10024	01004	71636	97216	83705	75400	41725	87615	/////	0//04	10673	30812	/////
R	99470	70170	01004	33028	98020	00708	32500	00214	83820	/////	0//03	11153	30604	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_sappp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_w$
C	99527	70355	01061	81212	97808	92706	834//	00711	/////	/////	00102	10593	3//07	/////
L	99570	70197	01064	22310	98010	02803	28408	00108	82818	/////	0//52	10968	30201	04007
M	99645	10025	01064	83140	96606	85201	853//	61333	83707	88615	0//02	10687	30506	18907
R	99471	70169	01064	23310	98021	04606	22500	00221	82820	/////	0//02	11146	30604	30810

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

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

2045

Date of Issue SUNDAY 2 JANUARY 1977

OBSERVATIONS at 12h. 01 JANUARY 1977

ation	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
scombe Down	746	71912	59806	89305	794//	04010	85918	85650	
rn	862	72118	62808	89607	794//	05111	83712	85915	
inston	797	32016	68018	92607	33400	04218	81815	82920	
twick	776	52114	80258	91506	49403	04219	81816	82920	
w	775	61810	72258	90707	69503	04115	82920	84825	
athrow	772	61910	70256	90607	39463	05115	82918	83070	
nington	586	51913	80036	90307	28432	04128	81818	83072	
attisham	590	61916	84036	90907	684//	04127	81710	83814	
rleston	497	51918	66022	90807	55500	05244	85625		
erporth	502	80321	63686	91603	853//	02229	85708	88615	
ton	628	80208	35106	89202	862//	01215	86704	88709	
oose	715	80205	40687	89301	852//	01220	81703	83709	88612
rtland Point	703	80215	80607	89303	874//	03227	88710		
unt Batten	827	73512	65808	88106	784//	04216	85818	87630	
Mawgan	817	80313	70216	90103	852//	02237	82704	84707	88611
lly	804	80318	70258	91506	7252/	04247	87820	88460	
ldrose	809	73514	66806	89604	5832/	03233	81708	84814	87461
uernsey	894	72127	75258	92109	49433	02010	81710	82918	85075
ndon	534	83306	20716	90201	870//	00126	85701	88704	
rdington	559	61810	75026	89707	5843/	05117	82710	84630	
ittering	462	82107	50106	89303	862//	03123	82703	86705	88709
atnall	354	92701	01777	89701	9////	00224	89///		
awbury	414	83511	13717	91001	870//	00124	82700	84702	88706
nningley	360	83205	58697	89503	873//	02125	88709		
urn Point	396	80209	50606	88304	854//	03232	86710	88625	
eeming	257	83515	75216	90304	854//	02306	86715	88650	
ynemouth	262	60226	66808	90805	635//	03005	86925		
rlisle	222	70215	75232	93603	2537/	00118	81708	83359	87462
lley	302	80118	75216	93605	854//	03230	82616	88630	
ingway	334	80212	50697	91403	873//	01133	81708	88710	
quires Gate	318	83610	65616	92104	854//	03223	82712	86620	88650
onaldsway	204	70115	80012	95303	28472	50333	81716	85364	87075
ull of Galloway	131	20230	83011	96602	15630	51230	81630		
skdalemuir	162	73625	70028	94201	4847/	53811	81712	83635	87362
restwick	135	60310	82012	97501	25602	53114	82630	86072	
bbotsinch	140	62202	86012	97701	28502	53212	81820	85072	
euchars	171	73518	82022	96502	58532	54108	81820	85650	85362
yce	091	73415	82027	97502	784/2	53003	81815	87640	
erwick	005	40115	82020	99900	33402	52003	81913		
Wick	075	23412	85021	00101	19461	53000	81915		
ule Skerry	010	33612	81018	02102	33500	52215	83920		
Cape Wrath	049	33609	84878	02301	33500	00212	83920		
Stornoway	026	33410	62268	03450	39400	54114	83912		
Benbecula	022	53509	70858	03900	59360	53214	82908	84812	
Tiree	100	50218	80278	01802	58400	51220	83818	83630	
Aldergrove	917	43507	82011	98902	18401	51228	81816	83075	
Malin	980	53626	62268	00305	534//	51219	81716	84818	81918
Belmullet	976	60216	80278	02804	634//	53228	81715	85820	82920
Birr	965	13512	82021	99702	15600	51232	81635		
Dublin	969	73513	62102	97102	664/2	51232	84713	84618	
Shannon	962	13614	84011	01003	18502	51237	81825		
Roches Point	952	63225	80027	98103	18402	00238	81819	86070	
Valentia	953	70208	80808	01704	725//	02236	87822		

OBSERVATIONS at 18h. 01 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	83512	[illegible]	95902	853//	01345	86706	88622	
862	83615	50618	95103	853//	03238	86708	88615	
797	52014	[illegible]	96206	38432	02216	82818	84070	
776	82309	[illegible]	94905	2742/	05223	82712	88545	
775	81905	59618	95204	1742/	03230	81715	88540	
772	81907	60638	95004	6532/	04228	83709	86620	88540
586	82010	50628	94805	872//	05326	84703	88709	
590	81914	65628	94705	6842/	03222	82812	84616	88540
497	81914	60608	95005	874//	01222	88715		
502	30126	75017	00604	38401	01252	82815		
628	70209	59016	97103	754//	01246	83711	87632	
715	73611	70027	97803	28408	00252	81812	87275	
703	70235	80026	98306	754//	01254	87614		
827	80115	70038	97005	853//	02253	82709	88622	
817	60223	82018	99605	68400	02256	83813	85619	
804	73520	65028	02007	785//	05248	85820	85628	
809	73617	70038	99206	785//	03255	83822	86630	
894	72911	70258	95005	783//	03319	83708	85818	87640
534	83311	56607	97202	873//	01344	85706	88710	
559	83204	59618	95803	852//	02242	87705	88620	
462	83411	45686	95601	872//	01234	86703	88705	
354	83413	58687	96702	5731/	01240	85707	88459	
414	83415	35237	98902	852//	01248	81704	83707	88620
360	83315	57687	96902	853//	01343	84706	88617	
396	83016	60606	95103	854//	02230	86710	88620	
257	83420	50217	98002	854//	00238	82710	88617	
262	83533	61028	97504	855//	00248	88625		
222	52803	81022	01501	38532	53241	81822	83070	
302	63517	81018	02204	68500	00246	83820	85645	
334	83410	65217	98903	854//	50242	84615	88625	
318	70110	75017	99903	4557/	00241	81625	84650	87359
204	20106	80028	02702	28500	53240	82826		
131	30218	83030	03302	22530	51239	82825		
162	43310	68011	02352	15602	56248	81635	84072	
135	13405	80021	04053	18540	55237	81822		
140	03107	88011	03852	00900	57235			
171	13311	89021	01900	15602	54236	81630		
091	73216	45858	01301	782//	51225	83705	83810	
005	33613	75031	03451	18405	54225	81815	83070	
075	33522	75261	04000	28461	51228	82815		
010	43616	74020	05602	42500	00225	84820		
049	43610	84158	06301	43500	00234	81920	83825	
026	63413	56858	08051	693//	55231	82707	86912	
022	43509	65158	08551	49400	53230	83915		
100	53624	84038	07303	58400	52231	82818	83628	
917	13605	82020	05652	15400	54236	81710		
980	43529	82268	07303	43400	52239	81715	84918	
976	50216	83278	09303	535//	54233	85920	84920	
965	00000	81010	07600	00900	52242			
969	13310	70011	05101	15600	52242	81630		
962	13404	80020	08302	18500	51240	81820		
952	13218	81021	06802	15600	51248	81640		
953	40206	82018	09103	48500	50240	82823	83640	

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	03061	003	pr○prr○	r○ir○id○
862	13081	003	pr○rrR	rrr○Rr○r○
797	92091	036	pr○pr	pr○
776	20072	002	prpr○	pr○prrrR
775	09081	016	pr○pr	r○rrRr[illegible]
772	04081	009	pr○pr	pr○r○rr
586	05081	030	+	pr○rRr○r○d○r○
590	05072	031	pr○	pr○rRsrs○r○
497		036		
502	04051	000	rsrsr○s○r○r○	jp
628	94031	000	d○r○ir○	ir○
715	01031	000	r○s○r○s○rsr○	+
703	03061	000		
827	01071	000	prpr○	+
817	03061	001	rrpr○	pr○
804	04072	000	pr○ir○	pr○
809	02061	001	irrrr○r○pr○	pr○
894	03091	040	pr○prph○r○	prr○r○
534	03025	000	sfs○s○ffr○s○	r○s○ir○r○r○
559	95082	024	pr○	r○r○
462	01041	000	drr○d○	d○r○s○s○r○s○
354	06026	000	r○s○r-s○hF	r○s○d○s○d○s○
414	13026	000	s○sfr○s○r○s○	r○s○r○s○
360	12031	000	r○-r○s○rss○s○	s○rsr○s○r○s○
396			ir○r○r○	ir○r○r○
257	05044	000	ir○rRrs	rsRsr○s○
262	03051		r○r○pr○pR	rr
222	97033	000	r○s○ir○s○	+
302	92051	016	ir○	pr○
334	06041	000	r○r○rsrsr	r○r○-s○
318	01051	000	r○rrsr○s○r○s○	r○s○r○s○
204	97043	021	jp	pr○s○
131	00031			
162	97027	008	ps○	+
135	00023	027	+	+
140	00023	030	+	+
171	00023	005	+	+
091	93026	000	s○	phps○
005	00006	011	+	+
075	91015	039	+	ps○
010	97030			
049	96027	028	ps○	ps○
026	92015	024	ps○	ps○
022	97017	039	ps○	ps○
100	91035	009	ph○	+
917	97033	053	+	ps○
980	0105	021		
976	0105	016		
965	9703	062		
969	9704	016		
962	9705	058		
952	0103	046		
953	9206	024		

OCEAN WEATHER STATION REPORTS at 12h.

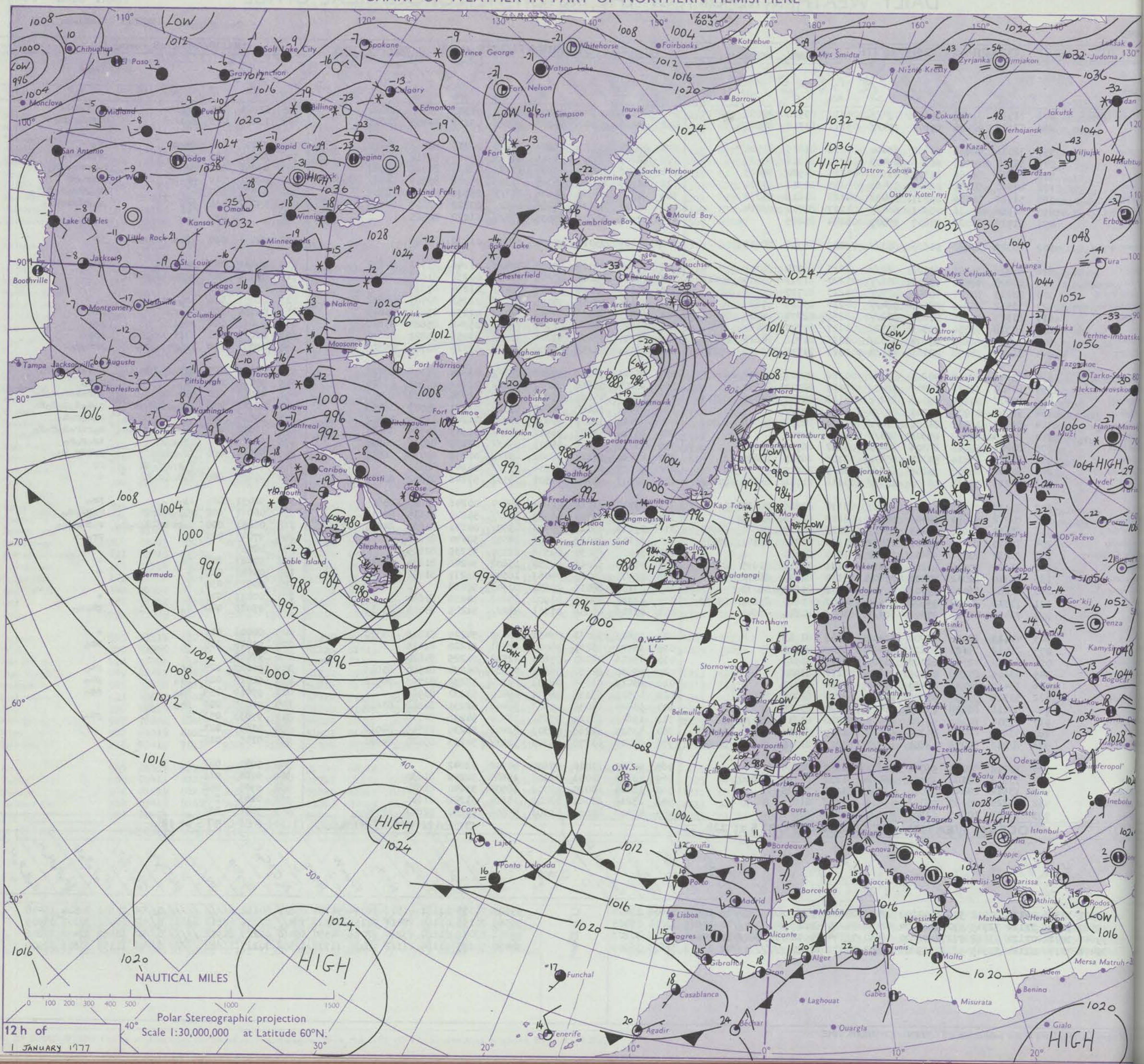
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	01121	80912	97616	92106	8742/	00804	/////	/////	0//05	10572	30606	15408
L	99569	70196	01124	72709	97038	06404	68430	00224	82818	84630	0//00	10965	30201	05005
M	99646	10022	01124	73122	97277	98600	69460	71144	84912	/////	0//53	10664	30504	30806
R	99471	70170	01124	10509	98020	09808	12500	00322	81820	/////	0//02	11143	30603	36909

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	01181	81508	98036	91707	855//	00112	/////	/////	0//06	10601	30504	15408
L	99569	70195	01184	72414	97158	08306	784//	00211	82818	83630	0//03	10932	30303	05905
M	99648	10018	01184	73210	97028	04550	69460	00229	84912	/////	0//56	10662	30402	30806
R	99470	70170	01184	21112	98020	11708	12502	00217	81820	/////	0//01	11159	30603	02909

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
1 JANUARY 1977
LOW
HIGH
Chihuahua
El Paso
Salt Lake City
Spokane
Prince George
Whitehorse
Fairbanks
Kotzebue
Mys Šmidta
Nižnie Kresty
Žyrjanka
Oimjakon
Lensk
Judoma
Monclova
Midland
Pueblo
Grand Junction
Billings
Calgary
Edmonton
Watson Lake
Fort Nelson
Fort Simpson
Inuvik
Barrow
Čokurdah
Jakutsk
Verhojansk
Kazačje
Viljujsk
Tiksi
Ust'-Kut
Irkutsk
San Antonio
Fort Worth
Dodge City
Rapid City
Regina
Prince Albert
Moosejaw
Medicine Hat
Lethbridge
Coppermine
Sachs Harbour
Ostrov Žohova
Ostrov Kotel'nyj
Mould Bay
Cambridge Bay
Olenek
Erbogačen
Lake Charles
Kansas City
Omaha
Winnipeg
Brandon
Thunder Bay
Churchill
Baker Lake
Chesterfield
Resolute Bay
Isachsen
Mys Čeljuskin
Hatanga
Tura
Jackson
Little Rock
St. Louis
Minneapolis
Nakina
Wipisk
Arctic Bay
Eureka
Alert
Ostrov Uedineniya
Boothville
Montgomery
Nashville
Chicago
Columbus
Detroit
Moosonee
Port Harrison
Nord
Tazovskoe
Tarko-Sale
Aleksandrovskoe
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Toronto
Ottawa
Montreal
Washington
Mortlak
New York
Baltimore
Caribou
Amicosti
Goose
Fort Chimo
Nain
Hopedale
Cape Dyer
Resolution
Frobisher
Clyde
Upernavik
Egedesminde
Godthab
Fredrikshåb
Kap Tobin
Mutilek
Angmagssalik
Prins Christian Sund
Stephenville
Gander
Sable Island
Bermuda
Cape Race
Barentsburg
Tromsø
Bodø
Kiruna
Luleå
Sveg
Östersund
Umeå
Vaasa
Oulu
Kajaani
Joensuu
Petrozavodsk
Archangel'sk
Ob"jačevo
Vologda
Vyborg
Leningrad
Helsinki
Tallinn
Riga
Stockholm
Oslo
Stornoway
Thorshavn
Belmullet
Valentia
Holyhead
Liverpool
Manchester
Birmingham
London
Scilly
Brest
Paris
Cherbourg
Bordeaux
Clermont-Ferrand
Milano
Venezia
Genova
Ancona
Roma
Brindisi
Ajaccio
Barcelona
Mahón
Alicante
Madrid
Lisboa
Porto
La Coruña
Lajes
Ponta Delgada
Corvo
Funchal
Casablanca
Agadir
Tenerife
Gibraltar
Tangier
Oran
Alger
Tunis
Malta
Messina
Athinai
Rodos
Larissa
Mathaion
Heraklion
Istanbul
Sinop
Inebolu
Sinferopol'
Odesa
Suceava
Satu Mare
Suluna
Bucuresti
Zagreb
Klagenfurt
Innsbruck
Zürich
Frankfurt
Hannover
Hamburg
Bremen
Berlin
Warszawa
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Kursk
Smolensk
Kaliningrad
Kamyšin
Penza
Gor'kij
Perm
Sverdlovsk
Tjumen
Omsk
Barnaul
Novosibirsk
Tomsk
Krasnojarsk
Abakan
Bratsk
Ust'-Ilimsk
Ust'-Kamenogorsk
Ust'-Ordynskij
Ulan-Ude
Čita
Mukden
Harbin
Changchun
Kirin
Vladivostok
Nikolajevsk
Sapporo
Hakodate
Aomori
Akita
Niigata
Fukuoka
Kagoshima
Naha
Taipei
Hong Kong
Manila
Saigon
Bangkok
Rangoon
Calcutta
Dacca
Gauhati
Lhasa
Kathmandu
Srinagar
Jodhpur
Karachi
Quetta
Jacobabad
Peshawar
Kabul
Mazar-i-Sharif
Tashkent
Frunze
Alma-Ata
Semipalatinsk
Ulan Bator
Ulan Baator
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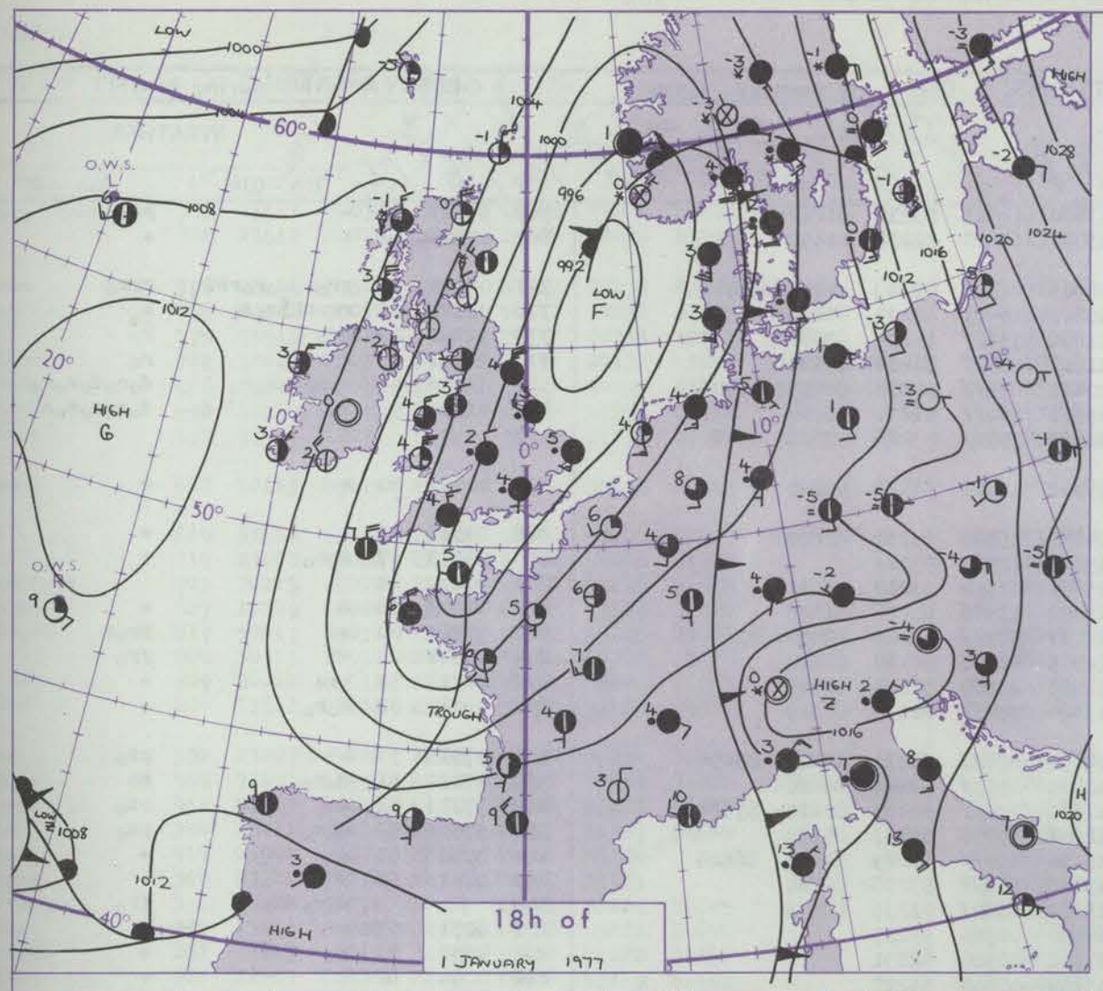
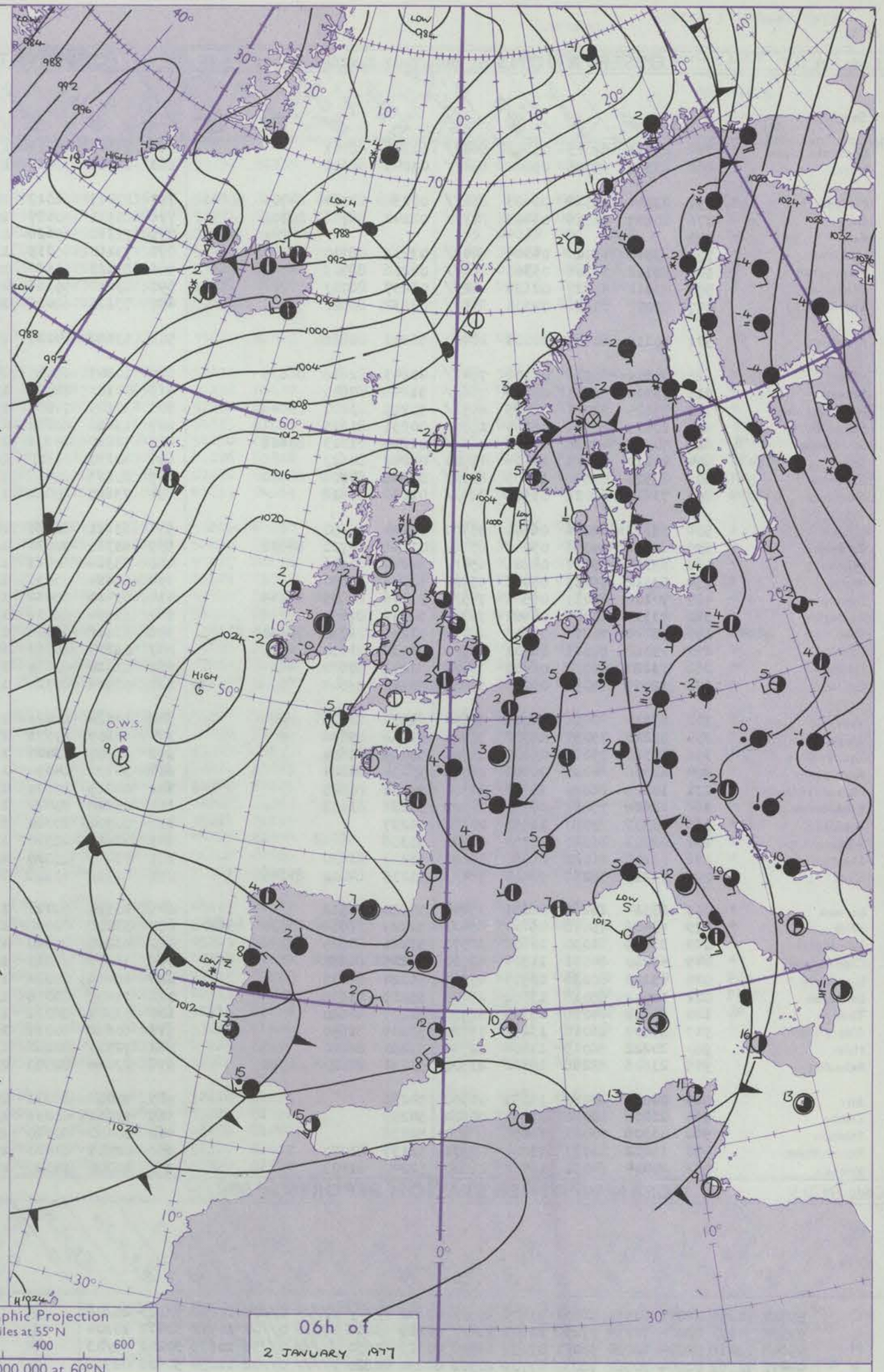
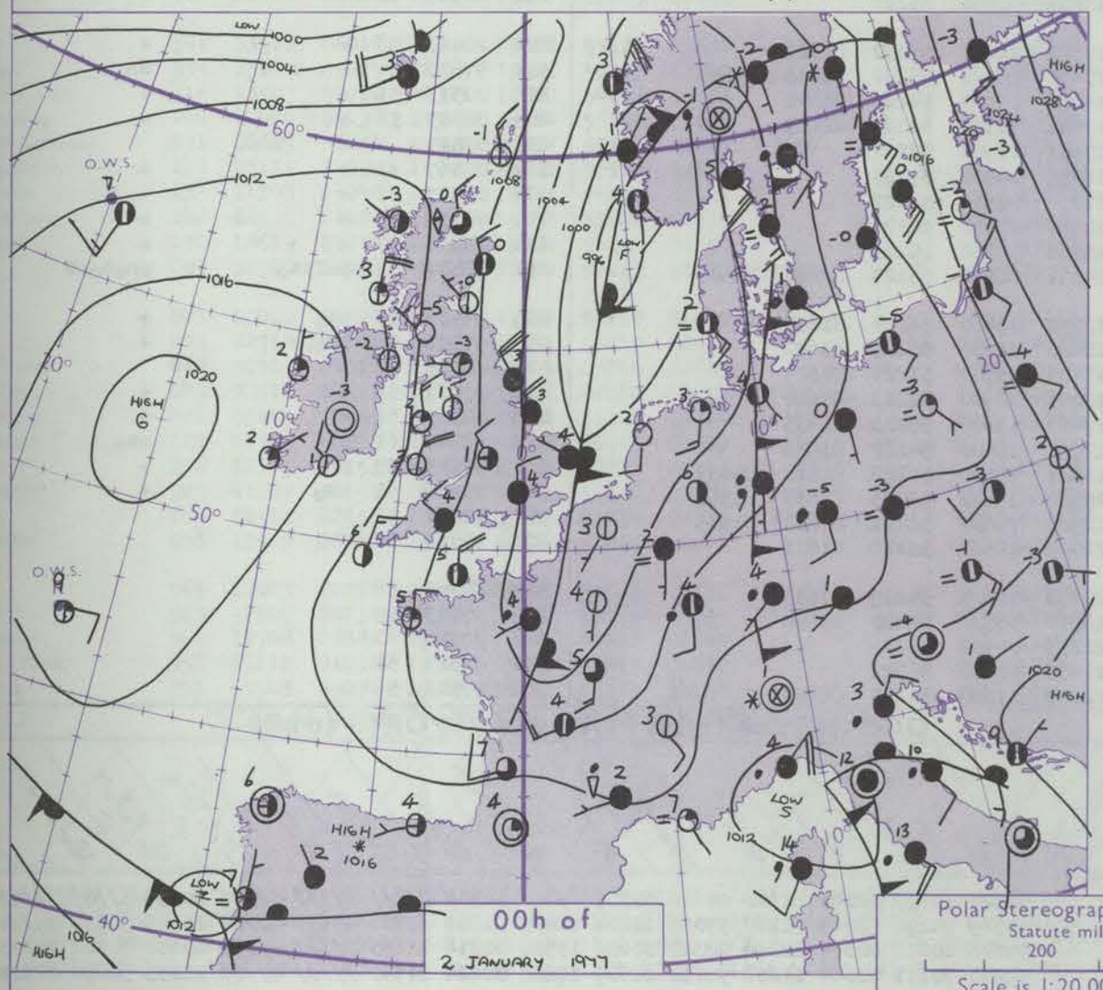






Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday SUNDAY 2 JANUARY 1977

The depression, which yesteerday morning was centred near the Wash, moved northeastwards to be just off southern Norway this morning, whilst a small secondary low near Lands End moved eastwards along the English Channel to the southern North Sea, leaving the whole of the British Isles in a cold northerly airstream. A ridge of high pressure over the Atlantic south of Iceland had intensified into an anticyclone just west of Ireland by this morning. During the next 24 hours the low off southern Norway is expected to transfer eastwards to southern Sweden, whilst the high west of Irelandn intensifies further as it moves to the Southwest Approaches, with ha ridge extending northeastwares to the Shetland Isles.

Code FM 11.V **OBSERVATIONS at 00h.** 02 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	83313	62025	05702	864//	01248	88711		
Hurn	862	83515	65026	05504	855//	01249	88621		
Manston	797	83414	62588	02403	852//	03232	82704	84706	88640
Gatwick	776	80107	56716	03403	873//	02242	86706	88708	
Kew	775								
Heathrow	772	83511	65026	04004	874//	03239	88710		
Honington	586	83112	56206	03303	862//	02236	88703		
Wattisham	590	83312	59027	02803	862//	03237	88703		
Gorleston	497	83007	60216	02104	855//	03232	88620		
Aberporth	502	10119	80011	10003	18400	53241	81818		
Filton	628	70109	65012	07302	754//	00243	82616	86635	
Rhoose	715	73410	82031	08103	756//	51248	87640		
Hartland Point	703	80125	82021	08805	885//	50249	83820	88646	
Mount Batten	827	10115	80011	08304	15530	00251	81625		
St. Mawgan	817	70321	82038	09705	784//	01244	81813	85816	
Scilly	804	40114	80021	11306	45500	02242	84623		
Culdrose	809	83520	40848	10003	833//	01248	84706	88912	
Guernsey	894	73620	68028	05605	724//	01263	87818		
Elmdon	534	53312	62016	06801	55700	52144	85650		
Cardington	559	83312	59056	05003	854//	01241	84710	88618	
Wittering	462	63315	75017	04801	654//	52240	86616		
Watnall	354	53312	75037	05701	55700	52342	85650		
Shawbury	414	70108	68037	08501	785//	51246	82825	87645	
Finningley	360	73315	80027	05901	757//	52239	87650		
Spurn Point	396	73222	70216	03603	6547/	01245	82710	86620	87360
Leeming	257	13312	82011	06701	15700	53136	81650		
Tynemouth	262	73220	66022	06402	756//	51241	87630		
Carlisle	222	32705	80031	09453	35600	55240	83647		
Valley	302	23514	82011	11002	22500	54237	82825		
Ringway	334	53210	75037	08300	55700	56236	85656		
Squires Gate	318	13510	75021	09001	15700	53239	81650		
Ronaldsway	204	13608	84020	10601	18500	56134	81824		
Mull of Galloway	131	10225	86020	10800	12500	54235	81825		
Eskdalemuir	162	13618	75020	08952	00902	55234	81075		
Prestwick	135	03303	80020	11455	00900	56237			
Abbotsinch	140	02803	86020	11151	00900	55336			
Leuchars	171	13107	86020	09050	15600	53239	81630		
Dyce	091	73315	58268	08400	784//	51235	84812	84645	
Lerwick	005	13514	80261	08151	19400	55222	81912		
Wick	075	63416	75878	09800	634//	52229	82918	83630	85640
Sule Skerry	010	33409	81030	10602	32570	53221	83825		
Cape Wrath	049	43210	84011	11501	42500	54225	84820		
Stornoway	026	43102	80038	12953	45600	56224	84635		
Benbecula	022	10902	85018	13352	15600	55219	81635		
Tiree	100	30119	84018	13303	38500	51227	82820		
Aldergrove	917	13507	86018	13252	15700	53236	81650		
Malin	980	20222	86018	13804	22500	55230	82820		
Belmullet	976	23606	82268	16302	23500	53231	82820	81920	
Birr	965	00000	80020	15353	00900	54233			
Dublin	969	03008	80020	13352	00900	54239			
Shannon	962	03308	70020	16451	00900	52238			
Roches Point	952	13212	81030	15201	00901	52137	81070		
Valentia	953	20404	84031	16702	28500	52240	81823		

OBSERVATIONS at 06h. 02 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	23313	75021	13100	18501	53227	81820		
862	13413	70011	13001	15700	52231	81650		
797	83417	62027	08903	862//	02229	84705	88706	
776	83511	70027	10803	854//	50232	88614		
775	73310	65026	11802	756//	51234	87630		
772	73210	65035	11802	755//	51234	87620		
586	83113	50586	10401	872//	00330	84705	88706	
590	83216	59586	09901	862//	01230	88705		
497	73110	62022	08503	755//	03226	87625		
502	13620	84020	16302	11500	55228	81820		
628	10305	65031	14850	15500	53232	81620		
715	00106	82027	15000	00900	53322			
703	30220	74031	15604	32500	53242	83820		
827	13610	80021	15203	15500	50228	81625		
817	70216	84038	16003	785//	51225	82820	87650	
804	40110	82800	16305	42500	00124	84820		
809	20105	60018	15803	25600	51125	82645		
894	73615	80022	13604	754//	00123	87619		
534	63211	68261	14050	685//	53231	82820	85656	
559	83310	70031	11902	855//	51228	88620		
462	73314	80021	11901	754//	52230	83615	87624	
354	53414	80031	12901	55700	51233	85650		
414	63410	65031	15350	684//	51229	81815	86628	
360	83314	82012	13402	856//	53238	88640		
396	63118	68016	11202	656//	01235	86633		
257	03215	84010	14450	00900	53237			
262	03220	80021	13901	00900	52231			
222	02505	83021	16254	00900	55227			
302	13610	82020	17501	12500	55230	81826		
334	83109	60771	15650	856//	55232	85635	88650	
318	13507	83020	15800	15600	54229	81645		
204	30105	84030	17600	22501	51227	82825		
131	00215	86010	17901	00900	52207			
162	03210	70020	16455	00900	57227			
135	00000	80020	17757	00900	58227			
140	02602	82010	17554	00900	58326			
171	03407	86020	15752	00900	54225			
091	82913	62858	14351	885//	55223	82820	88645	
005	13511	80021	13752	15400	56224	81618		
075	33108	82028	15400	35600	55225	83640		
010	43208	81020	15704	45500	51224	84625		
049	33207	84010	16003	32500	52223	83820		
026	12406	80020	17453	15600	55223	81635		
022	11805	83018	17953	18400	54222	81818		
100	43007	86011	18301	48500	51223	81820	84635	
917	63602	80011	19252	3567/	53225	83635	85360	
980	72713	82268	18703	785//	02220	85820	83635	
976	23006	82020	21002	28500	53218	81821		
965	70000	66031	21253	756//	54225	87633		
969	53011	80031	18952	557//	54220	85650		
962	00000	80020	22253	00900	54220			
952	02907	81020	21950	00900	54326			
953	10000	84020	22852	11500	54227	81826		

OBSERVATIONS during NIGHT

iii	RRT_nT_hE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	97513	53	+	ps_o
862	00501	52	+	+
797	09021	02	$pr_or_od_or_orRS$	rrr_o
776	03021	01	$rrrsRs_os_o$	+
775	96021	01	rr_o	r_o
772	94011	00	$r_or_od_o$	r_o
586	02006	00	$d_or_od_or_or_o$	$d_or_od_or_os_os$
590	01006	51	r_o	$d_or_or_os_osf$
497				
502	00021	50	+	+
628	00513	56	+	+
715	97513	57	shs_o	+
703	00030	00		
827	00003	56	+	+
817	97011	00	+	pr_os
804	97041	01	+	pr_o
809	01012	51	prs	+
894	92041	02	r_or_o	+
534	97515	53	+	ps_o
559	97011	51	d_or_o	sh
462	97013	51	+	ps_o
354	97516	52	d_os_o	ps_o
414	00526	55	+	+
360	00013	51	+	+
396			$r_or_oir_o$	ir_o
257	00513	53	+	+
262	00513	53	+	+
222	00543	60	+	+
302	00013	53	+	+
334	97526	54	+	sh
318	00513	56	+	+
204	00523	58	+	+
131	00513			
162	00567	61	+	+
135	00573	61	+	+
140	00573	63	+	+
171	00533	57	+	+
091	92517	53	$psfps_o$	ph_os_ops
005	97536	55	ps_o	+
075	97535	56	ph_ops_o	+
010	00013	52		
049	00017	52	+	+
026	00555	58	+	+
022	91547	61	ps_o	ps_o
100	97505	55	ph_o	+
917	97536	61	ps_o	+
980	02021	51		
976	97011	51		
965	97543	58		
969	97523	55		
962	97543	60		
952	97515	51		
953	97543	56		

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

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	02001	81510	98031	93106	855//	00802	/////	/////	0//04	10618	3//03	15/08
L	99570	70193	02004	72114	97258	12607	784//	00219	83818	87630	0//00	10932	30402	15104
M	99648	10018	02004	10000	98011	07650	15500	00315	81630	/////	0//56	10675	30201	99/03
R	99471	70172	02004	30912	98030	17709	22502	00232	82820	/////	0//02	11156	30603	02908

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	02061	82310	97618	90307	8742/	00302	/////	/////	0//07	10598	3//05	///08
L	99569	70196	02064	71128	97038	11206	784//	51807	83818	87630	0//04	10965	30504	99/04
M	99648	10018	02064	12016	98020	10601	15500	00216	81630	/////	0//54	10632	30302	99/03
R	99470	70171	02064	11208	98010	22509	15600	00224	81640	/////	0//01	11155	30000	02906

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.0

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42046

Date of Issue MONDAY 3 JANUARY 1977

FM 11.V **OBSERVATIONS at 12h.** 02 JANUARY 1977

tion	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$8N_sC_hh_s$
ombe Down	746	43513	74038	20302	48400	53228	82812	83630	
n	862	23612	80020	20203	28500	51230	81825		
ston	797	83421	57506	15903	872//	02231	83704	88706	
wick	776	63511	75022	18103	58482	50230	81815	85618	
	775	73513	81036	19203	754//	00233	85712	86635	
throw	772	73412	70036	19103	6847/	00132	83815	86640	87359
nington	586	73112	56687	17701	752//	00232	83705	85615	87640
ttisham	590	83317	57227	17101	852//	01232	83704	88645	
leston	497	73616	62022	15905	755//	01234	87625		
rporth	502	10123	89020	23203	18500	54125	81825		
on	628	53510	65028	21502	58400	52125	82817	84625	
ose	715	23608	78020	22202	28500	55128	81825		
tland Point	703	20225	86020	22104	28600	53126	81830		
nt Batten	827	10209	86020	22103	18500	53126	81820		
Mawgan	817	50417	89031	23004	58500	53226	83820	83640	
y	804	30313	80011	24406	38500	00240	83820		
drose	809	20212	75011	23105	28500	53229	81822		
rnsey	894	53612	82031	20505	52530	51127	85822		
don	534	23207	64028	21051	25600	54224	82640		
dington	559	73109	68157	19602	785//	50131	81820	83640	86656
ttering	462	43313	81018	19501	45600	53131	84640		
tnall	354	13411	75018	20401	15600	51227	81645		
wbury	414	03504	76011	22101	00900	51224			
ningley	360	03210	70011	20101	00900	54123			
rn Point	396	13221	70011	17901	15500	52225	81625		
ming	257	13216	86020	20401	15700	55221	81650		
nemouth	262	13213	69020	20101	10930	55222	81358		
rlisle	222	12403	82020	22051	15600	53119	81648		
ley	302	33516	86010	23904	35600	55126	83630		
gway	334	13207	65027	22101	15600	56223	81640		
ires Gate	318	13507	75020	22301	11500	54123	81825		
naldsway	204	20406	89030	23503	28500	56122	81825		
ll of Galloway	131	60605	86031	23702	4856/	53124	82825	83630	
kdalemuir	162	23113	84020	21952	25600	57118	82635		
estwick	135	11303	65040	23551	15641	54123	81635		
bbotsinch	140	12502	82020	23150	15502	53124	81625		
uchars	171	12613	89010	21402	15700	55224	81650		
yce	091	32910	84018	20201	38500	54127	81828	83640	
rwick	005	13010	81020	17803	15500	56217	81620		
ick	075	22712	89020	19651	15501	53219	81625		
le Skerry	010	32709	84011	19406	25501	03216	82625		
ape Wrath	049	72712	84031	19605	32571	02210	83820	87070	
ornoway	026	62405	80151	21301	29402	52117	81914	86070	
enbecula	022	61805	89258	22002	58502	00219	81820	84635	
ree	100	62305	85151	22704	23406	02221	81915	86272	
ldergrove	917	41805	30151	24500	46001	51120	81700	83709	
alin	980	62412	82158	23407	33402	03120	83919	83075	
lmullet	976	12509	86010	25707	12502	52219	81821		
irr	965	12003	82021	26502	15600	51122	81636		
ublin	969	52508	80038	24901	58400	52123	81715	85638	
hannon	962	12708	86020	27103	18500	50118	81823		
oches Point	952	13112	81020	27002	15600	53019	81637		
alentia	953	10303	84020	28001	15600	53117	81634		

OBSERVATIONS at 18h. 02 JANUARY 1977

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	03208	66018	26851	00900	53233			
862	13308	65011	26400	15600	52232	81635		
797	73316	65016	23102	3637/	51237	82708	84360	87464
776	33312	60028	24701	34400	51231	81818	83650	
775	13106	60018	25201	15700	53232	81650		
772	13007	60018	25201	15700	52232	81650		
586	13011	65017	23851	15700	53229	81650		
590	13215	62011	23650	15702	52232	81650		
497	03012	60010	22102	00900	00230			
502	70311	84021	28003	785//	54229	81822	87640	
628	03003	65011	27101	00900	53131			
715	13407	82010	27751	15601	54132	81630		
703	20110	89020	27904	22600	52230	82830		
827	10903	80020	27601	15600	54335	81635		
817	30413	84151	28003	32400	51230	83818		
804	30214	80018	28705	38500	01226	83820		
809	43609	70011	28203	48400	01230	82818	83640	
894	53611	80808	26304	58400	01231	84815		
534	13207	59040	26352	15700	55226	81650		
559	22908	62021	25200	25700	52230	82650		
462	63112	70031	24600	656//	54227	86638		
354	13006	68010	25351	15600	56121	81645		
414	33308	82030	27252	15632	55229	81639	83075	
360	53009	70030	24900	55600	54225	85645		
396	33113	70028	23401	15570	52225	81625	83360	
257	73211	86031	25101	757//	54126	87650		
262	12915	81011	24501	10930	52223	81358		
222	22403	82020	26652	15702	55122	81650		
302	40000	75011	28201	38501	51224	81824	83634	
334	22402	62030	27251	10931	56226	81362		
318	30104	58040	26900	00901	53223	83075		
204	30304	62011	27652	28501	53221	81825		
131	23406	83011	27901	22500	51226	82825		
162	10000	75020	27858	10932	61122	81362		
135	10000	50040	27253	15602	54221	81645		
140	32304	80021	26851	15601	54223	81630	83072	
171	22311	89021	25752	00902	56222	82080		
091	22709	84021	24501	15602	53221	81630		
005	12806	82020	20904	15500	01215	81625		
075	32711	84030	23651	15602	52221	81630	83070	
010	52705	81038	22707	55500	05219	85625		
049	72712	84022	23005	38508	02219	81820	83625	87270
026	13106	80028	23951	18400	52215	81818		
022	12005	85028	24504	12500	02113	81825		
100	12708	82011	25803	18400	01216	81818		
917	12003	65011	28651	15500	53222	81624		
980	32316	75158	27005	33500	03219	82920		
976	42411	85030	28206	43500	52221	83920	82920	
965	12304	82020	30350	15600	52218	81636		
969	12709	80011	29200	18500	53224	81820		
962	12503	84010	30650	15600	51220	81640		
952	12909	81020	30902	15601	51320	81637		
953	10000	84020	31401	15600	52324	81640		

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97023	029	ps_o	+
862	00033	050	+	+
797	91031	000	ir_oid_o	r_o
776	97031	000	+	ps_o
775	94033	000	ps_os_o	+
772	92031	005	$pr_ops_opr_os_o$	+
586	01023	000	$ss_os_or_os_or_os_o$	+
590	04016	000	sss_o	+
497		002		
502	00031	058	jp	jp
628	97033	062	ps_o	+
715	00033	063	+	+
703	00050	062	+	+
827	00043	056	+	+
817	00053	062	jp	jp
804	92061	017	+	pr_ophr
809	97051	049	+	pr_o
894	91051	030	+	pr_opr_o
534	93015	039	ps_opsf	+
559	94033	013	shs_os_o	+
462	97023	031	ps_o	+
354	00016	051	+	+
414	00025	063	+	+
360	00023	048	+	+
396			+	$psps_o$
257	00023	064	+	+
262	00031		+	+
222	00013	064	+	+
302	00043	055	+	+
334	00015	066	+	+
318	00033	070	+	+
204	00053	055	+	+
131	00043			
162	00517	066	+	+
135	00013	041	+	+
140	00023	059	+	+
171	00023	041	+	+
091	00027	028	+	+
005	00056	023	+	+
075	00015	044	+	+
010	04072			
049	00065	018	+	+
026	97035	034	jp	pr_o
022	02056	025	pr_o	pr_opr
100	00065	040	jp	jp
917	00035	040	jp	+
980	0207	024		
976	0008	063		
965	9705	046		
969	9702	030		
962	9705	052		
952	9704	071		
953	9705	064		

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

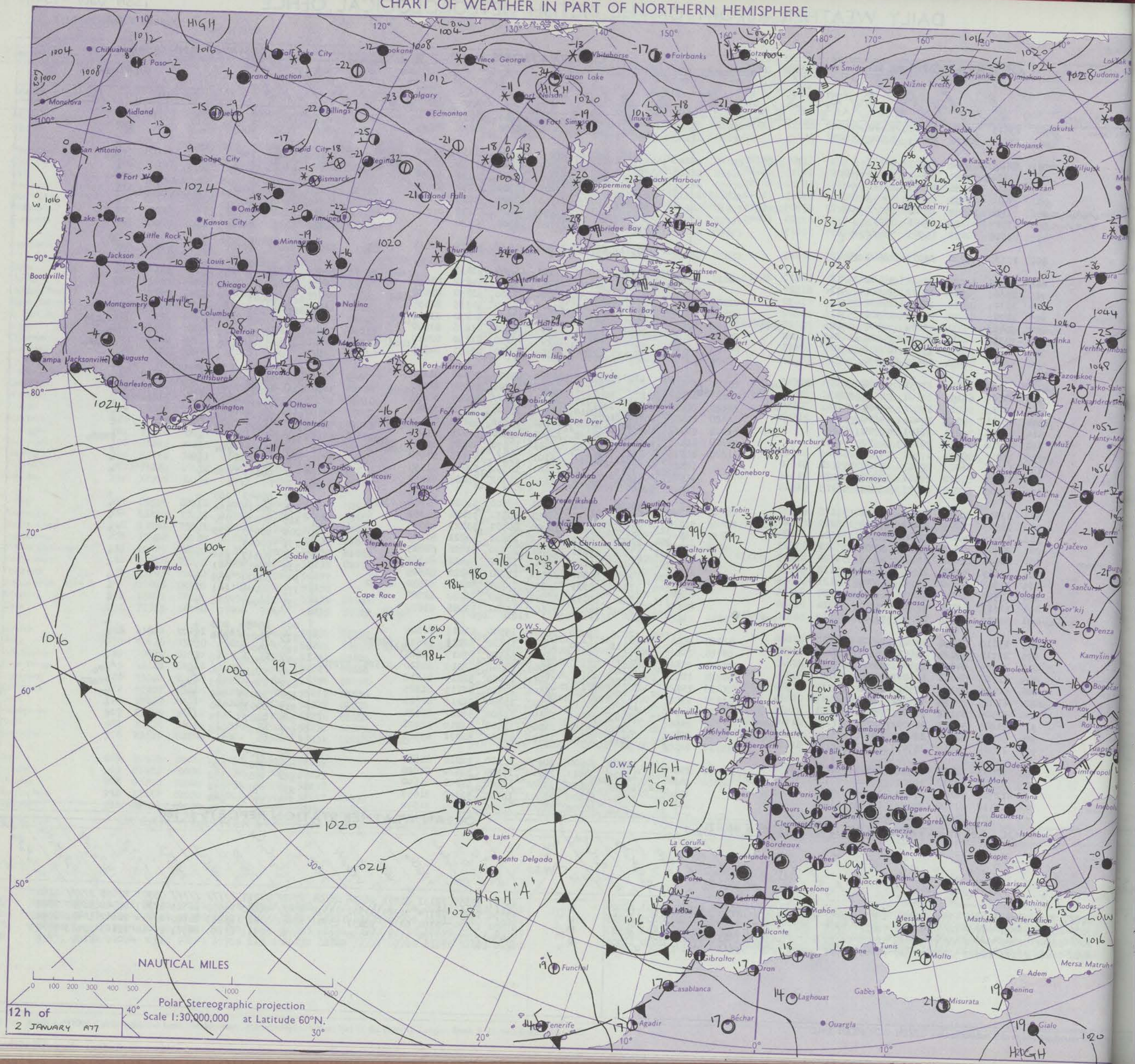
W.S.	99 $L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	02121	81610	96636	91706	8742/	00004	/////	/////	00105	10593	30403	22004
	99568	70200	02124	71728	97036	11809	754//	41606	83710	85626	0//08	10964	30605	21005
	99648	10020	02124	31925	98020	12204	15642	00109	81640	/////	0//01	10651	30403	20903
	99470	70171	02124	51410	98031	27910	25730	00221	82656	84361	0//03	11157	30000	12904

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	$8N_sC_hh_s$	$8N_sC_hh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	02181	80205	96636	86604	8742/	00717	/////	/////	05303	10605	3////	11803
L	99566	70201	02184	81929	97502	09309	854//	41103	85710	88625	0//07	10948	30707	23208
M	99650	10024	02184	62318	98031	15306	68402	00223	83815	84630	0//04	10662	30402	20903
R	99470	70171	02184	41513	98030	29310	45730	00311	81650	84361	0//04	11163	30603	99/05

nes of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH
LOW
Chihuahua
El Paso
Monclova
Midland
San Antonio
Fort Worth
Lake Charles
Jackson
Booth ville
Tampa
Jacksonville
Charleston
Washington
Norfolk
New York
Bermuda
Salt Lake City
Grand Junction
Prince George
Kamloops
Calgary
Edmonton
Billings
Rapid City
Regina
Bismarck
Williston
Winnipeg
Omaha
Kansas City
Minneapolis
Little Rock
St. Louis
Chicago
Nashville
Columbus
Detroit
Milwaukee
Pittsburgh
Charlotte
Augusta
Ottawa
Montreal
Caribou
Yarmouth
Sable Island
Stephenville
Gander
Cape Race
Whitehorse
Watson Lake
Fort Nelson
Fort Simpson
Inuvik
Fairbanks
Barrow
Kotzebue
Mys Šmidta
Nižnie Kresty
Anadyr'
Ostrov Zelenovskij
Kotel'nyj
Verhojansk
Jakutsk
Oimjakon
Ludoma
Kazalinsk
Oral
Aktjubinsk
Orsk
Kustanai
Petropavlovsk
Omsk
Novosibirsk
Barnaul
Kemerovo
Irkutsk
Ulan-Ude
Čita
Ulan Bator
Peking
Harbin
Vladivostok
Nikolajevsk
Sachalin
Hokkaido
Honshu
Seoul
Pusan
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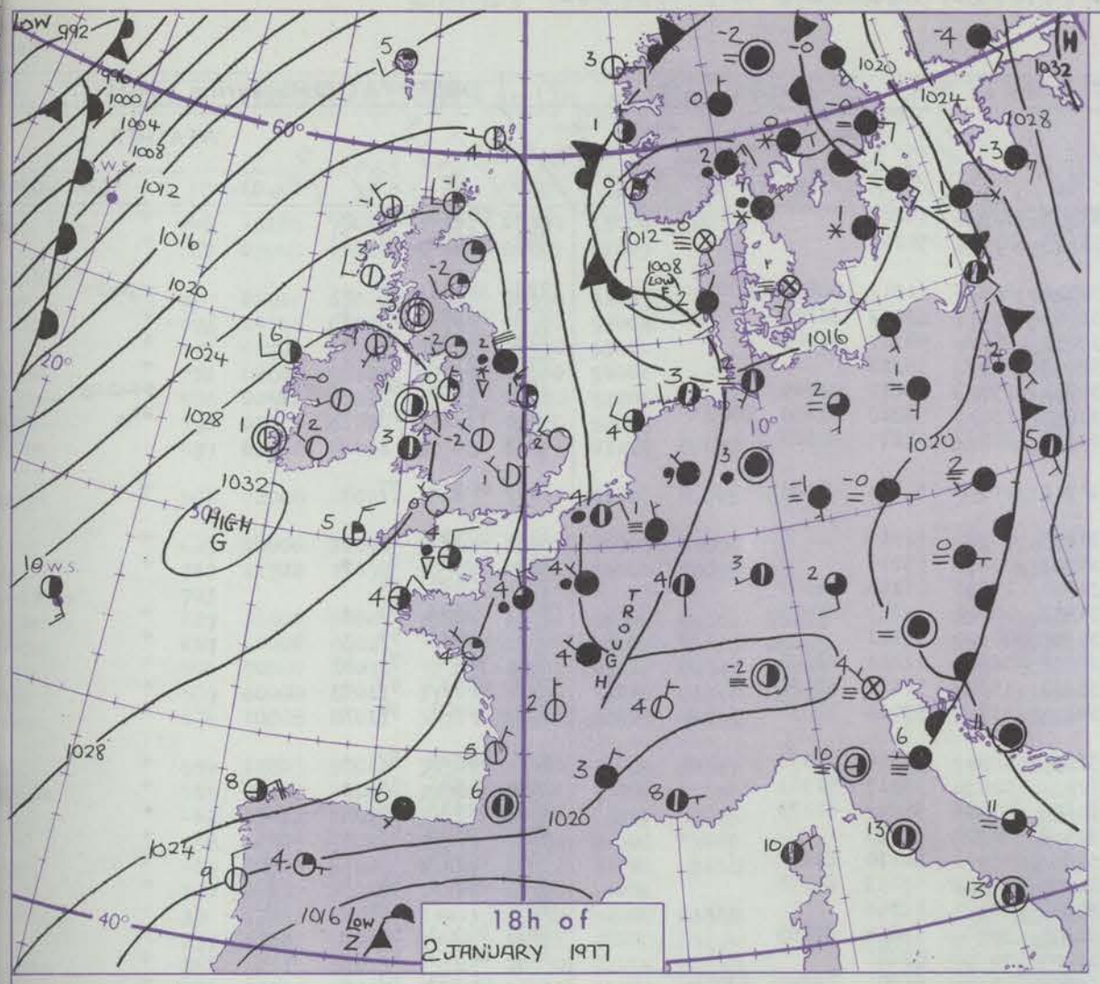
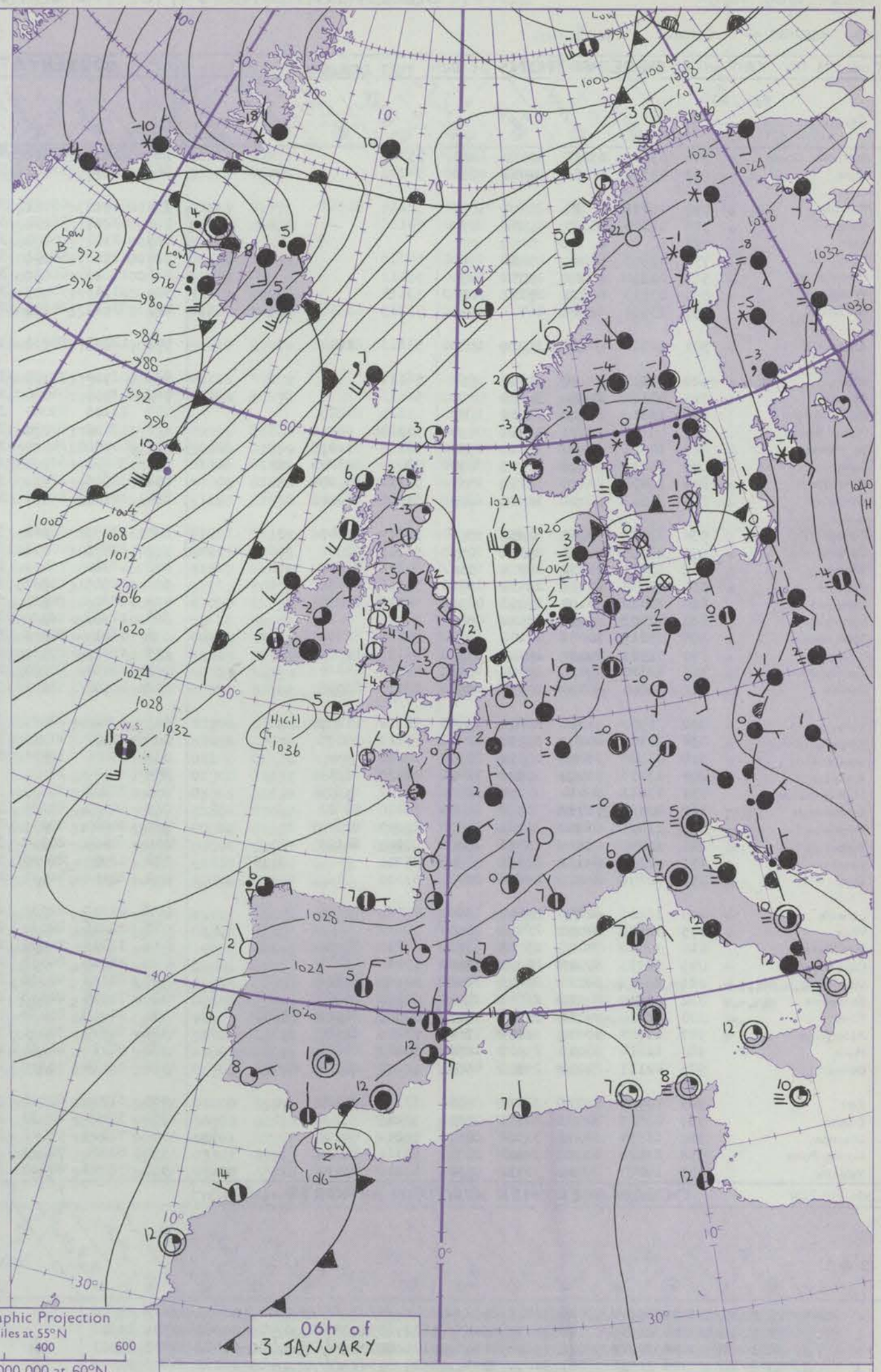
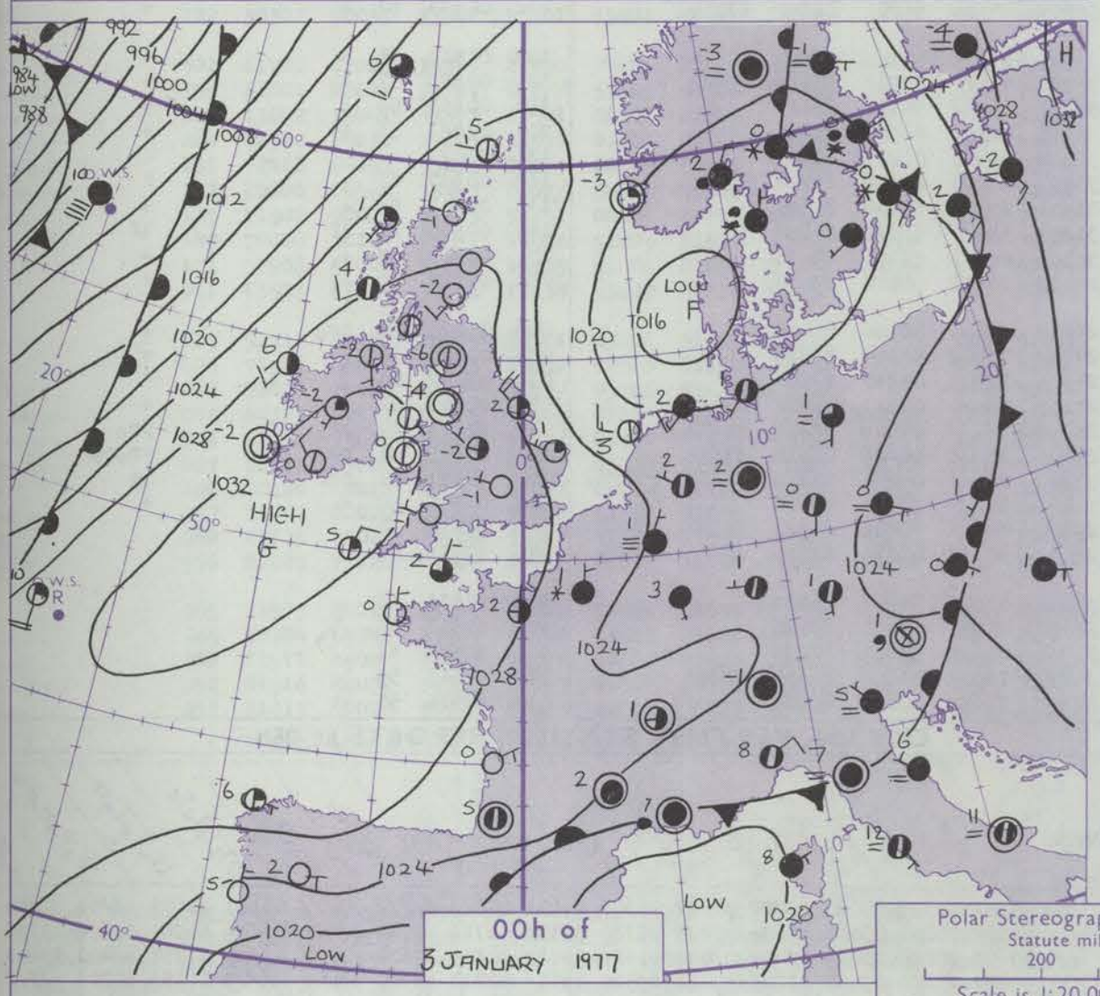
Tokyo
Sendai
Hakodate
Sapporo
Okhotsk
Petropavlovsk
Midway
Honolulu
Wake
Guam
Manila
Hong Kong
Taipeh
Shanghai
Tsingtao
Tientsin
Mukden
Hsinking
Yakutsk
Tiksi
Mys Čeljuskin
Dikson
Olenek
Jana
Ostrov Kotel'nyj
Ostrov Zelenovskij
Ostrov Vrangelja
Ostrov Wrangel
Ostrov Medvežij
Ostrov Kotel'nyj
Ostrov Novaja Sibir'
Ostrov Bennetta







GENERAL SYNOPTIC DEVELOPMENT

Issued at midday MONDAY 3 JANUARY 1977

A depression over the North Sea has moved slowly southeast and filled. An anticyclone off southwest Ireland with an associated ridge of high pressure to Shetland has also moved slowly southeast and has intensified. The cold northerly airstream over the British Isles has backed to southwest behind the ridge over Scotland and Northern Ireland. During the next 24 hours the anticyclone is expected to move slowly south. The associated ridge will move southeast to extend along the Channel and the southern North Sea by tomorrow morning, bringing the southwesterly airstream into most parts of the British Isles.

Code FM 11.V

OBSERVATIONS at 00h. 03 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	03509	65020	30953	00900	55219			
Hurn	862	03302	70020	30853	00900	54220			
Manston	797	13312	70011	27601	10930	52118	81360		
Gatwick	776	03106	50050	29052	00900	54116			
Kew	775								
Heathrow	772	02905	50020	29151	00900	54216			
Honington	586	02808	60021	27552	00900	53112			
Wattisham	590	03113	60020	27351	00900	53114			
Gorleston	497	23007	62028	26401	20930	01215	82358		
Aberporth	502	10000	84021	32000	18500	53113	81820		
Filton	628	02102	70020	31253	00900	56117			
Rhoose	715	03102	84020	31852	00900	56116			
Hartland Point	703	10310	89020	31903	18500	53119	81825		
Mount Batten	827	00607	62020	31950	00900	55219			
St. Mawgan	817	10706	86020	32201	15500	52115	81625		
Scilly	804	30211	82018	32405	38500	03009	82820		
Culdrose	809	10402	82028	32351	15600	52112	81630		
Guernsey	894	60206	86028	31002	62500	54221	86828		
Elmdon	534	53105	59041	30852	55600	55219	85645		
Cardington	559	22605	58051	29352	20930	53215	82358		
Wittering	462	63211	75031	28701	656//	54216	86647		
Watnall	354	13005	60011	29452	15700	55216	81650		
Shawbury	414	22002	70020	30953	00901	54216	82075		
Finningley	360	02908	75021	28550	00900	54215			
Spurn Point	396	33219	70038	27102	35600	52217	83630		
Leeming	257	12912	89031	28700	00901	54113	81080		
Tynemouth	262	42820	69020	28500	40910	50219	84460		
Carlisle	222	10000	60020	30156	00901	58110	81075		
Valley	302	11502	81010	31601	11400	51112	81819		
Ringway	334	22102	40040	31153	00901	57213	82075		
Squires Gate	318	00000	35040	30554	00900	56210			
Ronaldsway	204	13103	75020	30901	11400	01111	81818		
Mull of Galloway	131	13212	80010	30403	11500	02112	81825		
Eskdalemuir	162	20000	72030	31562	28400	64210	81818		
Prestwick	135	11304	60040	29752	15600	53207	81630		
Abbotsinch	140	10000	28110	29556	15500	57109	81625		
Leuchars	171	02209	84010	28752	00900	55211			
Dyce	091	02808	80011	27501	00900	53110			
Lerwick	005	12806	82258	24205	15600	03217	81630		
Wick	075	02808	84010	26251	00900	52212			
Sule Skerry	010	32310	74028	25407	33500	04213	83920		
Cape Wrath	049	52716	80022	25304	55500	03210	85625		
Stornoway	026	22106	84020	25801	18402	00105	81818		
Benbecula	022	21710	84018	26303	28500	02203	81820		
Tiree	100	72310	84031	27804	784//	02205	81818	87640	
Aldergrove	917	11707	58040	31552	15600	53209	81630		
Malin	980	11814	83018	29103	18500	50203	81820		
Belmullet	976	42111	82018	29306	48502	02001	82821	83640	
Birr	965	21904	81030	32952	00902	53308	82070		
Dublin	969	02509	80020	32451	00900	52215			
Shannon	962	11304	65030	33352	00901	53212	81070		
Roches Point	952	13108	81020	34100	00902	52311	81075		
Valentia	953	10000	84030	33452	00901	53210	81070		

OBSERVATIONS at 06h. 03 JANUARY 1977

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	03206	65020	33853	00900	55213			
862	02902	70020	33853	00900	54216			
797	63209	65031	30501	684//	51312	82815	86656	
776	33207	56050	32051	25701	53212	82650		
775	12302	60020	32452	15600	54317	81645		
772	02703	56011	32453	00900	55313			
586	13013	68018	30651	15600	53212	81645		
590	33113	56017	30250	15701	52212	81650	83078	
497	83110	64605	29002	855//	01211	88620		
502	12005	84031	34501	18500	51110	81820		
628	02904	70020	34255	00900	57316			
715	03005	84020	34952	00900	55216			
703	13205	89020	34704	15730	01113	81650		
827	13402	80030	34952	00901	55215	81075		
817	00000	84020	35352	00900	55111			
804	30403	82020	35205	32501	02211	83820		
809	20505	82030	35351	15601	54110	81630		
894	10205	88021	34101	15700	57216	81656		
534	13103	58041	33654	00901	56314	81075		
559	12505	60031	32452	10930	53315	81363		
462	12910	75031	31851	00901	55212	81075		
354	02707	65020	32552	00900	55313			
414	32306	70030	33653	25401	54110	82612		
360	12908	62020	31550	00902	53213	81075		
396	03014	70020	30801	00900	52216			
257	12911	89030	31600	00901	53211	81080		
262	02714	80020	31200	00900	53211			
222	40702	62030	32255	45501	56206	82620	83650	
302	13402	82021	33801	15704	51108	81650		
334	70802	40041	33953	754//	57213	83714	87625	
318	71305	30041	33053	754//	54111	87617		
204	23302	82030	32801	28501	52107	81825		
131	22812	86030	32004	25600	00207	82630		
162	50000	65031	33159	58400	61208	83714	83820	
135	10000	70011	31201	15500	50106	81620		
140	60000	20104	31255	657//	56005	86650		
171	12507	82020	30351	00901	53106	81075		
091	20102	82030	29253	00901	55106	82070		
005	22305	82030	26203	28400	01106	81816		
075	22206	82030	27502	00902	51104	82070		
010	12315	74020	24906	12500	04710	81820		
049	42316	84031	25105	48500	03507	82820	83625	
026	62110	82038	25206	684//	04608	82818	85632	
022	71814	84038	25805	38406	04606	81818	87270	
100	72218	83038	27807	684/6	04805	81817	86633	87277
917	81707	70031	32251	856//	53801	88634		
980	51918	81031	29703	4857/	50802	81820	84640	85460
976	82114	78216	28507	6547/	03710	82719	85636	88459
965	61705	80031	33452	00906	54801	86270		
969	32407	82030	33350	00902	53000	83070		
962	71309	75021	33251	00906	53806	87275		
952	80000	70021	34300	15607	51806	81635	88273	
953	72013	84021	32305	756//	00609	87634		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T$_g$T$_g$	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00543	59	+	+
862	00553	60	+	+
797	95001	52	+	$r_os_or_s$
776	00543	58	+	+
775	00533	58	+	+
772	00543	57	+	+
586	91523	54	$ph_op_os_o$	$p_os_oph_o$
590	97526	54	+	sh_o
497				
502	00513	57	+	+
628	00553	60	+	+
715	00533	60	+	+
703	00020	54		
827	00533	58	+	+
817	00523	56	+	+
804	92041	51	pr	+
809	00533	58	+	+
894	00001	54	+	+
534	00565	62	+	+
559	00543	58	+	+
462	00533	55	+	+
354	00526	57	+	+
414	00575	60	+	+
360	00513	55	+	+
396			+	+
257	00513	55	+	+
262	00513	52	+	+
222	00573	62	+	+
302	00513	56	+	+
334	00555	57	+	+
318	00553	59	+	+
204	00523	56	+	+
131	00023			
162	00637	63	+	f
135	00543	56	+	+
140	00583	61	if	if
171	00543	57	+	+
091	00557	59	+	+
005	97025	54	pr$_o$	+
075	00525	55	+	+
010	97042	04		
049	00045	02	+	+
026	91505	54	pr$_o$	pr$_o$
022	01015	51	pr$_o$	pr$_o$r$_o$
100	92031	51	phr	jp
917	00545	57	+	+
980	91011	52		
976	97051	03		
965	97533	58		
969	97513	55		
962	97523	57		
952	97513	55		
953	97531	55		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	03001	83204	98026	91405	855//	00241	/////	/////	05103	10603	3////	22/06
L	99571	70201	03004	81939	97036	05810	854//	81822	85710	88625	0//09	10982	30707	23208
M	99651	10026	03004	32313	98011	19606	00902	00125	82070	/////	0//05	10682	30402	20903
R	99470	70172	03004	31821	98021	30010	30930	00500	83363	/////	0//05	11155	30605	10906

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	03061	72707	98012	96605	68501	00223	/////	/////	05102	10607	3//01	22/06
L	99569	70202	03064	81833	97022	01310	854//	41711	83710	88625	0//09	10964	30808	23208
M	99651	10026	03064	52217	98030	21606	35512	00310	83630	/////	0//05	10754	30402	23803
R	99471	70171	03064	71825	97022	29510	4557/	00710	84630	87360	0//07	11158	30706	/////

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

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

)47

Date of Issue TUESDAY 04 JANUARY 1977

M 11.D **OBSERVATIONS at 12h.** 03 JANUARY 1977

n	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
mbe Down	746	13207	70020	35901	00901	53004	81075		
	862	03507	70020	36103	00900	51003			
ey Island									
ton	797	02912	63027	33503	00900	51007			
ick	776	03206	65020	35103	00900	52008			
	775	02701	50050	35002	00900	53104			
arow	772	02807	58020	35303	00900	51006			
ington	586	02811	62010	33301	00900	52006			
isham	590	03113	61020	33401	00900	52006			
eston	497	63012	64036	32303	656//	01221	86630		
porth	502	72008	86021	36303	15501	01802	81625	87075	
	628	10000	30050	36004	00902	51003	81075		
se	715	22702	72030	36504	00901	50004	82075		
and Point	703								
t Batten	827	31902	50040	36604	10941	51002	81360	83075	
awgan	817	50000	86021	37304	15602	01107	81630	85075	
	804	70000	80031	37907	28572	03213	81820	87075	
rose	809	60000	82011	37903	11408	52210	81818	86269	
nsey	894	10308	86011	36705	00902	52009	81075		
on	534	12803	50041	35302	15400	54004	81615		
ington	559	22706	40050	34802	00901	51003	82078		
ering	462	13112	64020	34103	00901	51005	81075		
nall	354	12805	50040	34204	00901	01001	81080		
bury	414	22503	81020	35504	18401	01002	81818		
ingley	360	03107	56040	33804	00900	01006			
n Point	396	13011	60020	33403	10970	51006	81360		
ning	257	12602	89020	33405	15701	50002	81650		
emouth	262	12614	61020	33102	10930	01105	81358		
isle	222	30302	70031	33800	15501	53801	81625	83078	
ey	302	61911	82021	35306	22508	04804	82825	86272	
gway	334	82002	22041	35701	862//	52003	87703	88710	
ires Gate	318	11002	15041	34503	15501	01001	81625		
aldsway	204	82510	89031	34105	18547	01803	81822	88275	
l of Galloway	131	72418	86031	33006	15605	00805	81630	87075	
dalemuir	162	80000	04484	33953	860//	54802	88700		
stwick	135	71908	70021	32103	58432	00806	82818	84635	
botsinch	140	70000	14104	31851	15656	52809	81630	83365	87075
ichars	171	72508	58041	31201	15705	53806	81656	83270	87075
te	091	63503	65041	30151	15634	53807	81630	85072	
wick	005	52111	82031	26304	38401	03806	81815	83635	
ck	075	71911	86031	27103	15632	02813	81640	87070	
e Skerry	010	72026	74036	25507	3557/	05708	83625	87358	
pe Wrath	049	62323	82031	24205	48506	02817	82820	84625	86270
rnoway	026	62022	75028	24807	5543/	05710	81713	85650	
nbecula	022	81817	65608	25506	6537/	05609	81709	83711	86630
ee	100	72124	80022	27807	4547/	03709	81711	83635	87362
dergrove	917	71707	82022	32902	756//	52810	87635		
lin	980	81825	85022	29104	7562/	51815	83630	84645	88460
lmullet	976	82025	78026	27908	6547/	03813	83716	86638	88459
rr	965	71507	84022	33702	45608	52804	84638	87270	
blin	969	52204	64041	33904	15502	53812	81625	85070	
annon	962	81511	89032	33003	4557/	50813	81620	83650	88460
ches, Point	952	81916	82032	34707	56477	01808	84715	86459	88273
lentia	953	81817	80026	32508	6552/	02807	86627	88460	

OBSERVATIONS at 18h. 03 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	73205	57051	37601	00908	51113	87272		
862	62902	58101	37751	00904	51111	86074		
797	13008	65020	36201	00901	00219	81075		
776	12703	45050	37200	00902	51315	81072		
775	02202	56050	37101	00900	50316			
772	12807	50050	37302	00902	00315	81075		
586	02808	35050	35900	00900	51220			
590	12907	56100	35951	00901	51219	81075		
497	22908	60011	35102	20930	01222	82360		
502	81911	84022	37102	70977	50210	87464	88272	
628	72402	50051	37501	00902	00211	87072		
715	83102	60051	37703	00907	01209	88272		
703								
827	80000	25051	37901	1557/	00306	81620	83364	88466
817	71607	75022	38001	30976	50308	83359	87075	
804	80000	80022	37805	2851/	01306	81820	88460	
809	81102	75022	37902	11507	50205	81820	88270	
894	70000	72022	38103	15736	51109	81656	83362	87075
534	72204	35041	36950	10932	52212	81365	87072	
559	32505	40100	36850	00902	50217	83075		
462	22807	32040	36401	00902	51217	82075		
354	62406	20101	36200	00902	51215	86070		
414	72405	62041	36551	50975	52208	84358	84460	86273
360	42706	40040	35401	00904	00116	84080		
396	22712	60030	35503	15540	00218	81625		
257	70000	80031	34601	10932	51209	81365	87075	
262	62503	61021	34102	6097/	50313	86359		
222	60000	05464	33553	20932	53301	82362	86075	
302	82218	82022	35506	2557/	02204	82620	88462	
334	71806	30041	36400	00902	52105	87075		
318	72010	62011	35103	15631	02108	81630	87075	
204	72217	84022	33706	15638	01702	81630	86362	87270
131	82325	84032	32006	2567/	03706	82630	88360	
162	71602	50284	33253	756//	54804	87642		
135	71804	64022	31703	5563/	00602	81630	85640	87362
140	71909	65022	30804	3557/	00604	81624	83640	87362
171	62106	65012	30600	10932	52603	81360	86075	
091	52007	80012	29301	20932	52000	82362	84072	
005	72211	81022	25904	755//	03303	82620	87637	
075	61808	82022	26403	15638	01000	81640	86272	
010	72024	74022	24007	4557/	05708	84625	87358	
049	71827	82022	23106	764//	04500	87715		
026	82024	59606	23107	853//	05707	82708	85710	88630
022	81818	61616	23806	853//	05606	83706	86613	88620
100	82023	70606	26506	6532/	04708	83709	86627	88460
917	71913	70022	31603	755//	50806	83624	87628	
980	81823	83602	27704	7562/	01807	83635	85650	88459
976	82025	59616	26107	7647/	06708	86714	86637	88459
965	81610	80022	32504	5567/	01000	85640	88465	
969	81908	57042	33605	5562/	50702	82632	85648	88462
962	81511	58616	31704	863//	00601	82708	84715	87630
952	82022	80022	33708	854//	03301	83719	88640	
953	81916	60616	30907	864//	05400	88718		

OBSERVATIONS during DAY

iii	RRT T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00033	065	+	+
862	00053	062	+	+
797	00031	068	+	+
776	00043	064	+	+
775	00043	068	+	+
772	00043	068	+	+
586	00033	066	+	+
590	00026	070	+	+
497		046		
502	00051	032	+	+
628	00053	050	+	+
715	00063	048	+	+
703	00060	000		
827	00053	036	+	+
817	00063	063	+	+
804	00071	023	+	+
809	00061	039	+	+
894	00051	060	+	+
534	00045	041	+	+
559	00043	066	+	+
462	00043	066	+	f
354	00056	062	+	+
414	00045	044	+	+
360	00053	062	+	+
396			+	+
257	00063	054	+	+
262	00041		+	+
222	00013	036	ff	ff
302	00071	018	+	+
334	00035	023	+	+
318	00053	027	+	+
204	00071	019	+	+
131	00071			
162	00517	000	ff	ffif
135	00041	000	+	+
140	91941	000	+	ir.
171	00023	023	+	+
091	00027	022	+	+
005	00055	017	+	+
075	00045	014	+	+
010	00071			
049	00072	000	+	+
026	92071	000	d.pr.ir.d.r.	d.r.ird.r.id.
022	02071	000	ir.ird.r.	r.r.rdr
100	93071	000	ir.	ir.
917	00041	000	+	+
980	9705	000		
976	9408	000		
965	9706	000		
969	9706	011		
962	9605	001		
952	9708	000		
953	0208	000		

FM 21.D **OCEAN WEATHER STATION REPORTS at 12h.**

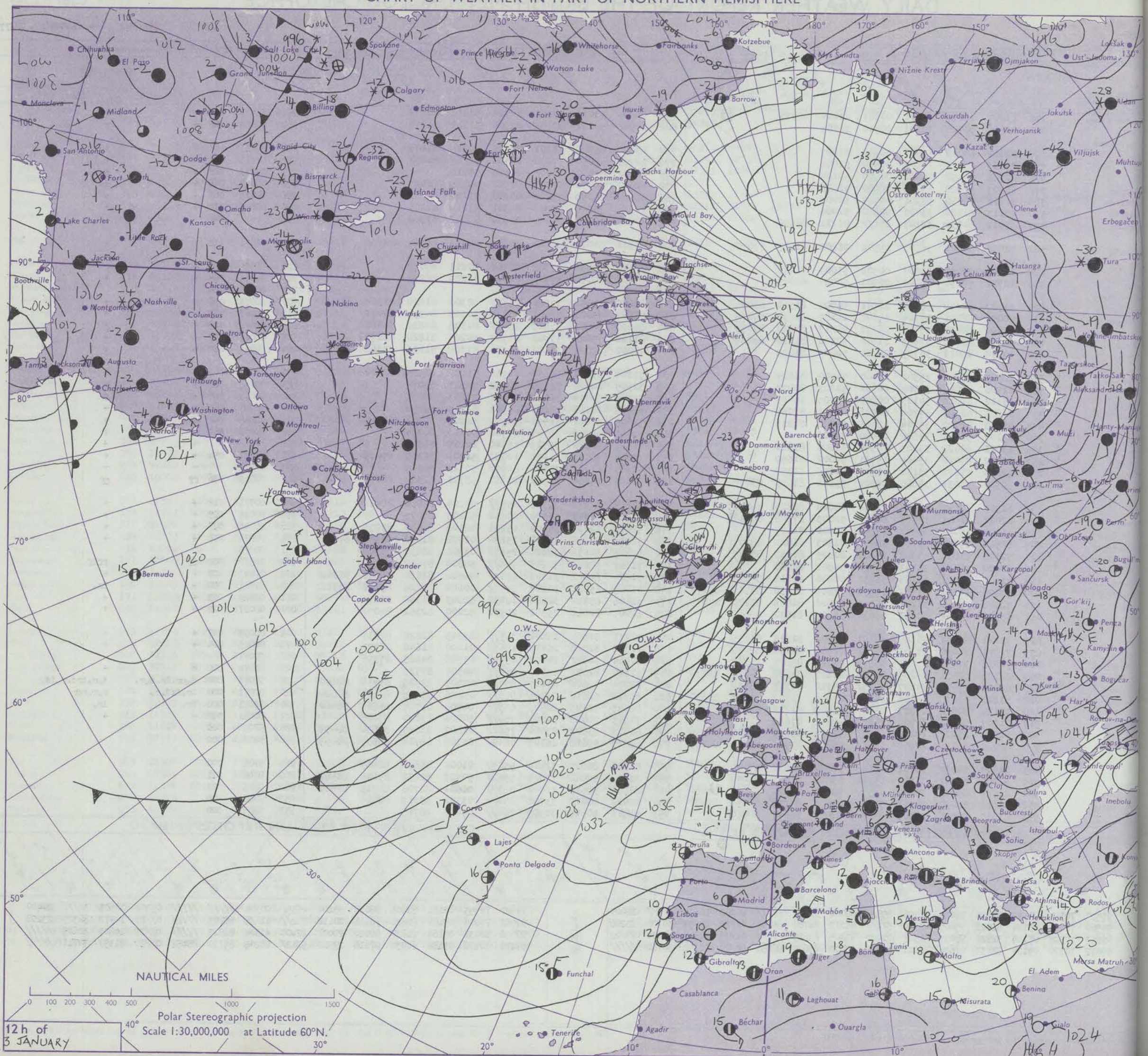
W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	03121	81104	98022	96506	855//	00004	/////	/////	00002	10601	3////	22409
	99569	70203	03124	82022	95605	03910	872//	41017	84704	88708	0//10	10954	30706	23208
	99653	10028	03124	32126	98011	21507	21402	41805	82815	/////	0//05	10810	30604	99/02
	99472	70170	03124	81833	97616	30011	5557/	00000	85620	88458	0//09	11152	30710	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	03181	83604	98018	95104	4555/	00504	/////	/////	05302	10603	3////	24409
L	99567	70205	03184	81820	96616	00110	872//	41628	88703	/////	0//10	10972	30305	23208
M	99650	10031	03184	21927	98010	20007	22400	41804	82815	/////	0//05	10803	30605	/////
R	99470	70170	03184	81930	97616	29910	5742/	00205	85710	88458	0//10	11159	30711	/////

mes of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of 3 JANUARY 1977

00h of 4 JANUARY 1977

06h of 4 JANUARY 1977

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

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday MONDAY 4 JANUARY 1977

During the past 24 hours an anticyclone to the southwest of Ireland has drifted slowly towards the Brest Peninsula, while the associated ridge of high pressure towards northeast Scotland has swung east into the North Sea. A strong, milder southwesterly airstream on the western flank of the anticyclone has penetrated eastwards into Ireland, Scotland, northern England and most of Wales. During the next 24 hours the anticyclone will move south towards western France and build a little, and the milder southwesterly airstream will cover all districts.

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

Code FM 11.D

OBSERVATIONS at 00h. 04 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	61806	28112	38751	20931	51801	82362	85075	
Hurn	862	60000	22101	39053	00901	53102	86072		
Thorney Island									
Manston	797	12905	22100	37500	00901	50502	81075		
Gatwick	776	20000	20230	38654	00902	55003	82072		
Kew	775								
Heathrow	772	61603	18101	38451	00904	52001	86070		
Honington	586	32607	12280	37151	00901	51001	83075		
Wattisham	590	02908	22100	37352	00900	52801			
Gorleston	497	02807	48050	36501	00900	50104			
Aberporth	502	71912	70022	35702	7097/	01708	87362		
Filton	628	70000	16101	38151	40932	51802	84360	86070	
Rhoose	715	81306	50102	38002	8097/	01802	88360		
Hartland Point	703	72015	76052	37803	756//	00706	87646		
Mount Batten	827	51005	25051	38600	50950	51603	85360		
St. Mawgan	817	81809	80022	37803	30937	00709	83360	88275	
Scilly	804	71909	83032	37106	755//	02613	87622		
Culdrose	809	81805	82022	38005	2561/	51506	82630	88460	
Guernsey	894	70000	82022	39503	00908	51400	87275		
Elmdon	534	72006	62022	37251	50952	52803	85362	86070	
Cardington	559	62307	50101	37752	00902	52802	86075		
Wittering	462	32707	27104	37253	00902	53802	83075		
Watnall	354	62305	20101	36651	40932	52803	84365	83075	
Shawbury	414	71302	63042	36250	7093/	51606	87362		
Finningley	360	51902	21101	35852	50970	53604	85362		
Spurn Point	396	32309	57030	36201	15501	00802	81625	83075	
Leeming	257	71308	12111	34951	756//	51703	87630		
Tynemouth	262	72011	61022	33902	7097/	00606	87358		
Carlisle	222	72109	75014	32205	756//	02804	81632	87640	
Valley	302	81822	75032	33606	4567/	03711	84640	88460	
Ringway	334	41709	59011	36101	20942	53705	82362	83070	
Squires Gate	318	71607	60022	34301	7097/	00805	81362	87365	
Ronaldsway	204	82121	80032	31708	55537	03713	82621	84625	88273
Mull of Galloway	131	72338	86022	29907	756//	04810	87630		
Eskdalemuir	162	81705	58052	31601	855//	00807	88620		
Prestwick	135	81909	75022	29705	855//	02613	83626	88634	
Abbotsinch	140	82010	65216	29005	6557/	02615	82622	85634	87358
Leuchars	171	72406	62022	29403	2553/	00812	81620	87360	
Dyce	091	51907	70012	27002	15631	50816	81640	84072	
Lerwick	005	62016	80021	23005	1553/	03713	81620	85362	
Wick	075	71914	81022	23805	5563/	02714	85640	87362	
Sule Skerry	010	81816	66216	21407	855//	05715	88625		
Cape Wrath	049	81828	85022	19107	885//	05719	83820	88630	
Stornoway	026	82028	57516	19407	853//	06822	83708	86614	88630
Benbecula	022	81721	65026	20106	854//	06723	86710	88618	
Tiree	100	81927	66216	23407	854//	04718	81710	83615	88635
Aldergrove	917	71917	75016	29005	755//	01618	87626		
Malin	980	81831	82216	24205	6542/	02724	82716	85640	88459
Belmullet	976	81929	59615	22608	7642/	07718	85715	84635	88458
Birr	965	81918	70606	29307	6642/	03716	86714	88458	
Dublin	969	82013	80022	30907	857//	02713	88656		
Shannon	962	81710	66616	29006	854//	04716	81715	84622	88640
Roches Point	952	81925	70606	32108	874//	07810	88716		
Valentia	953	81823	60616	28608	864//	07717	88711		

OBSERVATIONS at 06h. 04 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	51702	40102	37752	00902	52508	85072		
Hurn	862	60000	22102	37854	10932	55708	81360	86075	
Thorney Island									
Manston	797	32905	25100	37451	10934	51504	81365	83072	
Gatwick	776	30000	00484	37756	00902	57609	83072		
Kew	775	20000	03484	37455	00901	56608	82070		
Heathrow	772	30000	03414	37454	00901	54609	83070		
Honington	586	22102	20101	36653	10932	53507	81363		
Wattisham	590	22407	35100	37054	10932	54606	81365		
Gorleston	497	02605	32050	36551	00900	52605			
Aberporth	502	81916	80032	33105	4572/	01612	84650	88459	
Filton	628	12004	62021	36451	10931	52710	81358		
Rhoose	715	21808	84011	36201	10932	51614	81362		
Hartland Point	703	82316	76022	34806	8083/	01617	88357		
Mount Batten	827	72212	70022	36407	756//	02713	87634		
St. Mawgan	817	82011	80022	36004	3557/	01610	83620	88460	
Scilly	804	82011	82022	35407	3552/	04610	83622	88450	
Culdrose	809	82012	70022	36105	5552/	03710	85620	88459	
Guernsey	894	51906	84012	38304	31532	51706	83820	83362	
Elmdon	534	71708	30102	35550	50938	51712	85360	87270	
Cardington	559	32006	30101	36953	10932	54508	81365	83075	
Wittering	462	12307	68011	36152	00902	53509	81075		
Watnall	354	52105	25101	35452	20931	53507	82365	85078	
Shawbury	414	71806	65032	34050	20976	51615	82360	87272	
Finningley	360	42007	35101	34200	10971	51508	81362	84075	
Spurn Point	396	42309	66031	35101	20971	51509	82360	84075	
Leeming	257	71407	09484	32651	15636	52508	81630	84362	87270
Tynemouth	262	52014	56022	31101	00901	51713	85075		
Carlisle	222	81808	64022	29505	854//	02612	81715	85624	83645
Valley	302	82024	64602	31107	5542/	05517	82618	85630	88458
Ringway	334	71711	65021	34301	10938	52508	81362	87270	
Squires Gate	318	81511	65032	32302	856//	01512	88635		
Ronaldsway	204	82126	62612	28807	854//	06615	81714	84616	88625
Mull of Galloway	131	82138	81616	25807	6562/	06720	86630	88460	
Eskdalemuir	162	81715	20515	28103	870//	02714	83701	88707	
Prestwick	135	82014	59616	25706	854//	04725	81710	85714	88618
Abbotsinch	140	81912	59616	25406	854//	04619	84712	86615	88630
Leuchars	171	82309	65022	25605	854//	02719	83713	88618	
Dyce	091	71809	68052	23603	754//	01815	81710	85612	86645
Lerwick	005	82019	80022	18406	856//	04724	88640		
Wick	075	81916	80032	19606	855//	03616	85620	88635	
Sule Skerry	010	81624	66602	15607	855//	06732	88625		
Cape Wrath	049	82329	82022	13308	855//	06846	88625		
Stornoway	026	82029	60586	14008	853//	07734	83709	85614	88620
Benbecula	022	81722	25586	15407	852//	07726	84704	86709	88615
Tiree	100	81931	50586	18807	862//	07726	83704	88709	85706
Aldergrove	917	81817	58616	25205	872//	04724	82705	85706	88709
Malin	980	81731	72026	19806	7632/	05726	82709	84711	85632
Belmullet	976	81925	60615	19509	864//	08716	81711	86715	88636
Birr	965	81917	59586	26307	7642/	05717	87710	88458	
Dublin	969	82013	75636	27607	864//	05620	86712	88645	
Shannon	962	81715	61616	25807	862//	06713	83705	85711	88625
Roches Point	952	82027	60616	30208	873//	07511	88708		
Valentia	953	81920	56615	26109	863//	08715	88706		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00533	57	+	+
Hurn	862	00553	58	jf	+
Thorney Island					
Manston	797	91543	58	+	+
Gatwick	776	00573	60	1f	1fF
Kew	775	00563	61	1fff	ff1f
Heathrow	772	00553	58	1f	1f1F
Honington	586	00543	60	f	+
Wattisham	590	00556	60	+	+
Gorleston	497				
Aberporth	502	95021	01	+	r.r.
Filton	628	00513	57	+	+
Rhoose	715	00003	55	+	+
Hartland Point	703	00020	01		
Mount Batten	827	00511	53	+	+
St. Mawgan	817	00011	53	+	+
Scilly	804	01052	01	+	rr
Culdrose	809	00011	51	+	+
Guernsey	894	00031	55	+	+
Elmdon	534	00535	57	+	+
Cardington	559	00553	60	+	+
Wittering	462	00533	57	+	+
Watnall	354	00526	57	+	+
Shawbury	414	00525	55	+	+
Finningley	360	00533	57	+	+
Spurn Point	396			+	+
Leeming	257	00523	53	ff	ff
Tynemouth	262	00001	51	+	+
Carlisle	222	01001	51	+	r.r.
Valley	302	02051	05	+	ir.rrr.r.
Ringway	334	00005	51	+	+
Squires Gate	318	94013	51	+	r.s.r.s.
Ronaldsway	204	01071	03	+	r.r.r
Mull of Galloway	131	01051			
Eskdalemuir	162	03517	52	+	d.d.r.r.r
Prestwick	135	02041	03	+	r.r.d.r.
Abbotsinch	140	01041	03	+ 140	ir.d.r.d.d.
Leuchars	171	92001	54	+	r.r.
Dyce	091	00015	54	+	+
Lerwick	005	97041	02	+	ir.rr.
Wick	075	97041	01	+	ir.
Sule Skerry	010	92062	04		
Cape Wrath	049	00071	04	+	+
Stornoway	026	92071	06	id.d.d.d.r.	d.r.r.
Benbecula	022	06062	05	id.r.r	r.r.d.r.rR
Tiree	100	07061	05	ir.r	rrd.r.drr
Aldergrove	917	07032	02	r.r.	r.r.rr
Malin	980	02052	03		
Belmullet	976	05071	06		
Birr	965	02041	01		
Dublin	969	03062	02		
Shannon	962	09051	03		
Roches Point	952	04072	06		
Valentia	953	24062	02		

Code FM 21.D

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	04001	80208	97616	94104	8742/	00609	/////	/////	05201	10619	3//03	24/08
L	99568	70204	04004	82023	97616	98310	854//	00903	85710	88625	0//10	10956	30505	23207
M	99648	10035	04004	81928	98038	17807	855//	41707	88620	/////	0//06	10816	30606	/////
R	99468	70170	04004	72028	96026	30412	764//	00103	87710	/////	0//11	11141	30709	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	04061	83609	96636	93302	8742/	00504	/////	/////	05700	10603	3//04	24/08
L	99570	70203	04064	82131	95616	94910	873//	00717	85708	88710	0//10	10966	30506	23208
M	99644	10038	04064	82040	96032	14506	884//	41610	84815	88625	0//06	10808	30710	00/00
R	99478	70171	04064	12120	97011	29312	16400	00811	81710	/////	0//11	11202	30709	/////

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

H.M.S.O. Press, Met

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42048

Date of Issue WEDNESDAY 5 JANUARY 1977

FM 11.V

OBSERVATIONS at 12h. 04 JANUARY 1977

on	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s C_h s_h s_h$	$8N_s C_h s_h s_h$	$8N_s C_h s_h s_h$
mbe Down	746	81607	56052	37102	18577	00811	81820	85465	88272
	862	80000	33052	37702	11537	01712	81820	88270	
ston	797	62308	65031	38005	10935	00805	81364	85073	
vick	776	73301	18104	38151	10932	51809	81360	87070	
	775	70000	35054	37401	10938	52811	81360	87272	
hrow	772	72203	17054	37902	10936	01808	81362	87075	
ington	586	82208	64031	36403	00907	00810	88270		
tisham	590	72110	40051	37001	00906	51808	83270	87075	
eston	497	52006	56031	36903	00901	01710	85075		
sporth	502	81919	62616	32405	4542/	04711	82710	88550	
n	628	82106	64021	36004	15627	01810	81640	84462	88270
se	715	82008	83031	35705	18477	02811	81818	86361	87463
land Point	703	82416	65616	35006	8052/	04708	88520		
nt Batten	827	82213	68022	36407	6542/	03810	82618	86630	88460
lawgan	817	82010	70606	36406	1547/	02803	81618	88460	
	804	82013	60616	35607	1742/	06807	81710	88558	
lrose	809	82113	70616	36007	7552/	04807	87621	88459	
rnsey	894	72010	81032	38805	11408	01808	81816	87275	
ton	534	82009	63022	35003	8097/	51812	85362	88465	
dington	559	81910	62032	36503	40937	02810	84365	88275	
tering	462	82211	58021	35602	20917	50808	82463	88272	
mall	354	82008	45051	34101	70977	52811	82360	87462	88270
vbury	414	81807	58615	33602	854//	01710	84613	85620	88645
ingley	360	81909	40041	33002	8097/	00812	81362	88468	
rn Point	396	72117	66021	34102	50978	51712	85360	87275	
ming	257	81513	40604	30602	2557/	50814	82625	85358	88462
emouth	262	81917	56022	28603	8097/	01618	88358		
lisle	222	82217	64616	27007	7542/	05820	81714	83620	86630
ey	302	81933	57636	30007	7732/	05712	82709	87711	88520
gway	334	81914	50616	33003	855//	50812	81625	88650	
lres Gate	318	81611	40617	30703	855//	03814	82625	86635	88656
aldsway	204	82031	57636	27008	853//	07810	83709	86712	88618
l of Galloway	131	82345	66606	23507	874//	07717	88715		
dalemuir	162	81817	40596	26204	871//	03812	88702		
stwick	135	81916	63616	23607	6547/	06717	81710	83615	85620
botsinch	140	82114	57586	23207	873//	06714	83706	88710	
chars	171	82309	62636	23205	6742/	04715	85711	85714	88557
ce	091	82017	62606	19505	7532/	03830	81706	86710	87640
wick	005	82032	68508	13706	7837/	05723	82709	87623	
ck	075	81817	70616	14107	7557/	05733	81620	87645	88460
e Skerry	010	81620	66636	11907	874//	07723	88715		
pe Wrath	049	82331	66636	10308	874//	06606	88710		
rnoway	026	82025	70616	11608	7732/	07810	82708	87711	88540
bbecula	022	81822	45656	12609	6722/	09808	85704	84706	88515
ee	100	81925	35656	16908	862//	08811	85704	88707	
dergrove	917	81917	58616	23807	873//	06806	82706	85707	88712
lin	980	81929	82026	18708	4547/	07708	81710	84650	88458
lmullet	976	82217	16516	20511	862//	10306	86705	88707	
r	965	81811	70605	25808	864//	07705	86711	88716	
blin	969	82116	70616	26208	7642/	06808	81711	85715	85630
annon	962	71709	83206	25609	753//	07703	81709	83714	86624
ches Point	952	81926	30586	29009	872//	08814	88704		
lentia	953	81811	25586	26711	863//	10002	88706		

OBSERVATIONS at 18h. 04 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s C_h s_h s_h$	$8N_s C_h s_h s_h$	$8N_s C_h s_h s_h$
746	81906	56052	36103	35527	01503	82626	86460	88270
862	81906	60012	36604	15527	01400	81625	86462	88268
797	71907	58022	37600	00901	50301	87075		
776	81802	57102	37001	25517	01701	82620	83465	88272
775	81905	60022	36403	30917	01602	83465	88270	
772	71504	50052	36604	25538	02501	82625	83365	87275
586	81908	25052	35802	20937	01501	82368	88273	
590	71811	35052	36302	00908	00601	87270		
497	82010	58032	36202	8092/	01400	88460		
502	81819	56616	30006	873//	06808	84706	88710	
628	81906	58616	34604	7552/	02806	87624	88545	
715	81609	57616	34205	854//	03809	86618	88628	
703	82418	64616	32806	873//	05605	88709		
827	82512	62586	35008	1742/	05703	81710	88532	
817	81911	56586	34306	7532/	05705	82709	83614	86621
804	82114	60026	33609	6542/	07604	86613	88460	
809	82112	60216	35407	6542/	06504	83712	86618	88460
894	72107	70022	37605	11408	01703	81818	86270	
534	81911	56636	33303	8062/	02805	88545		
559	81812	58052	35303	40937	02604	84362	88275	
462	82112	57602	34202	8097/	01603	83359	88462	
354	82010	30637	32503	1732/	02705	81708	88550	
414	81910	60216	31304	854//	03809	82710	88614	
360	81913	30636	31103	3577/	02706	83650	88460	
396	81815	65616	32603	8091/	01706	88460		
257	81614	50616	28403	5542/	03608	82712	84625	88459
262	81911	56636	26304	8062/	03708	88530		
222	81808	65026	25506	854//	04606	82713	88624	
302	81927	24536	28108	871//	07705	83702	88704	
334	81817	50616	30603	6542/	01708	86616	88458	
318	81511	37586	28604	852//	04708	82704	85615	88622
204	82126	58616	24809	872//	08806	82704	85706	88714
131	82337	60606	22508	874//	08001	88712		
162	81815	40596	24205	870//	04612	88701		
135	82012	56206	22907	852//	07303	82705	84707	88610
140	82013	50586	21808	873//	07207	83706	88708	
171	82312	66216	20906	863//	05608	83709	88711	
091	82117	62636	17307	3542/	05503	81712	83650	88557
005	82023	40596	10107	872//	07713	85704	88707	
075	72019	75026	12008	5553/	06501	82620	85650	86360
010	82340	66026	08409	864//	08716	88715		
049	81833	66636	09309	874//	08315	88710		
026	82124	60616	11010	853//	10503	82706	86615	88620
022	81917	11516	13009	860//	09000	88701		
100	82325	40516	16710	861//	10003	82702	88703	
917	82113	40516	22608	861//	08500	83702	86703	88704
980	81921	80026	19310	863//	09307	85709	88716	
976	82217	50515	20910	863//	10104	85706	88708	
965	82110	66216	25311	7642/	09301	87710	88458	
969	82217	80026	24310	864//	08504	84711	86715	87719
962	82106	82015	25710	864//	09303	85717		
952	82113	40206	27910	862//	10701	88703		
953	81814	57205	26711	863//	10302	88708		

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97031	000	+	r◦r◦
862	91061	002	+	r◦r◦
797	97053	0500	+	+
776	00023	026	+	+
775	00043	015	+ if	+
772	00051	015	if	+
586	00033	020	+	+
590	00026	001	+	+
497		054		
502	05071	000	r◦r◦rr	r◦r◦
628	94061	001	+	r◦r◦d◦
715	03051	000	r◦-r◦r◦	r◦r◦rd◦d◦
703	03072	000		
827	95081	000	+	r◦r◦d◦r◦ir◦
817	02061	000	r◦r◦rr	rr◦d◦r◦d◦r◦
804	03092	000	rrr◦r◦	ir◦
809	03072	000	ir◦r◦r◦rr	rrr◦r◦id◦d◦d◦
894	00061	018	+	+
534	02041	000	+	r◦r◦rrr◦d◦r◦
559	91041	006	+	ir◦r◦r◦
462	92031	004	+	d◦r◦r◦r◦
354	01035	000	r◦s◦-ir◦	ir◦rd◦r◦dr
414	01041	000	d◦-r◦r◦	rrr◦r◦d◦r◦
360	03031	000	r◦	r◦r◦rrid◦r◦
396			+	ir◦r◦r◦
257	02041	000	r◦r◦	rr◦r◦
262	02052		rrir◦	ir◦rr
222	04071	000	r◦r◦rr	rrr◦d◦
302	07091	000	r◦r◦rd◦r◦	d◦d◦ddd◦d◦
334	03041	000	r◦rr◦r◦	r◦r◦rr◦dr
318	04041	000	r◦s◦r◦r◦rr	rr◦d◦r◦d◦r◦dr
204	05091	000	rrr◦r◦	r◦r◦rRd◦d◦
131	02091			
162	11056	000	r◦rdrdr	drdrd◦r◦
135	06081	000	d◦r◦rrr◦r◦	r◦r◦ddd◦r◦
140	06091	000	d◦r◦r◦rrd◦	d◦r◦d◦r◦d◦d◦
171	04071	000	r◦r◦r	rr◦r◦
091	09071	000	r◦r◦rr	rrRr◦
005	09082	000	pr◦id◦r◦	r◦rrdrd◦d◦
075	11082	000	r◦r◦rrRR	rrir◦
010	05102			
049	03092	000	rrir◦	r◦r◦ir◦rr
026	03101	000	d◦r◦r◦ir◦	d◦r◦d◦r◦
022	14091	000	RRdrrr	ddid◦rd◦d◦
100	13101	000	rrRRd◦r◦	d◦r◦d◦d◦
917	09101	000	rrRrrr◦d◦id◦	id◦d◦d◦
980	0511	000		
976	0211	000		
965	0611	000		
969	0710	000		
962	0311	000		
952	1110	000		
953	0711	000		

FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

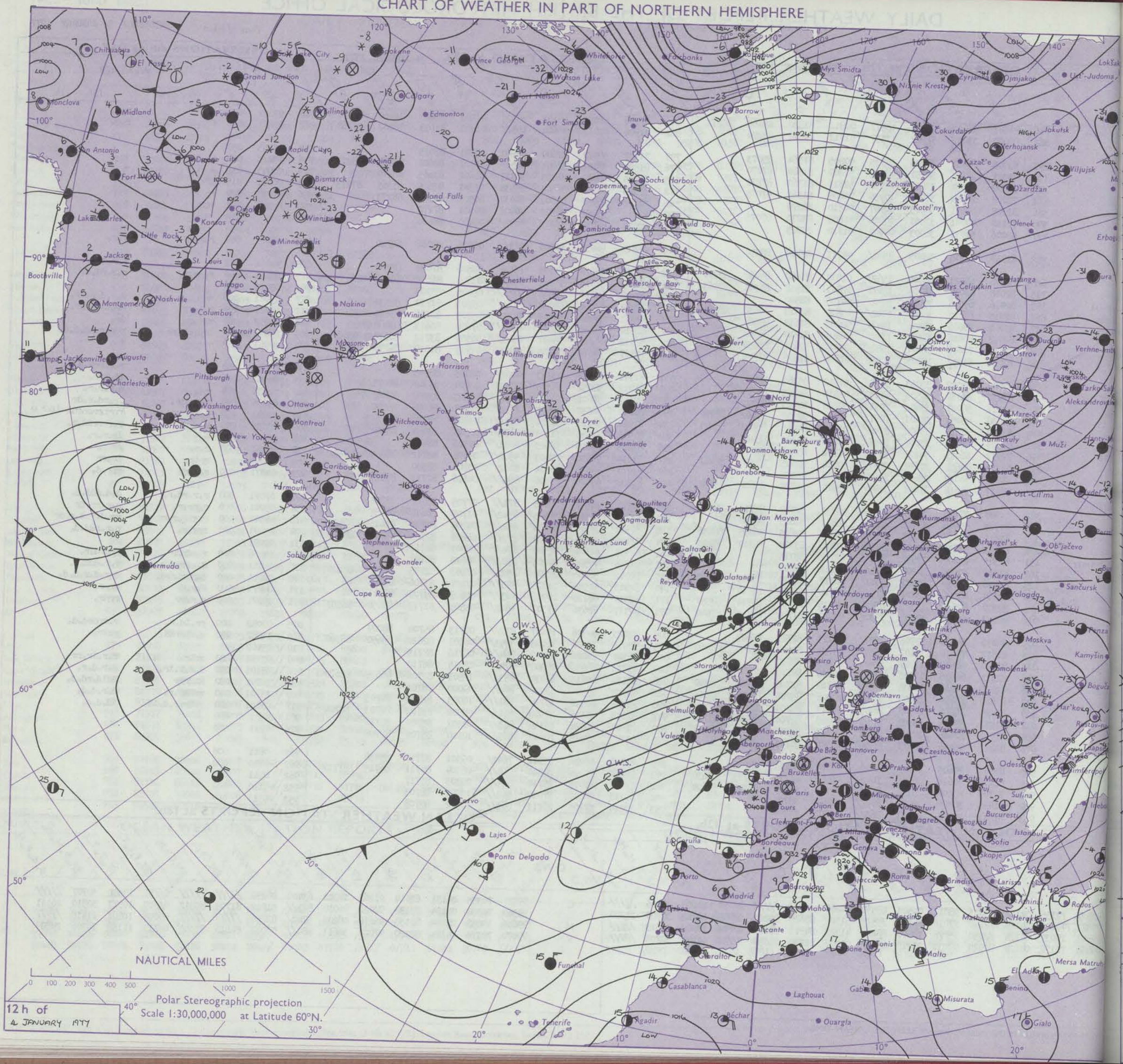
V.S.	$99 L_a L_a L_a$	$Q_c L_o L_o L_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s C_h s_h s_h$	$8N_s C_h s_h s_h$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
	99527	70355	04121	73013	98017	04503	48530	00266	/////	/////	0//53	10605	30706	/////
	99571	70202	04124	72140	97016	96711	35572	51322	83625	85360	0//09	10962	30709	26210
	99643	10039	04124	82050	95078	11806	884//	41822	84812	88620	0//05	10860	30813	/////
	99468	70170	04124	82020	97031	31212	855//	00007	81720	88650	0//11	11141	30708	/////

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	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s C_h s_h s_h$	$8N_s C_h s_h s_h$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	04181	62914	97268	14902	63400	00259	/////	/////	0//51	10580	30707	/////
L	99569	70204	04184	82138	97022	96010	883//	51802	81708	85812	0//09	10977	30810	26111
M	99646	10038	04184	82150	96616	00208	5742/	82756	/////	/////	00006	10801	11418	/////
R	99470	70170	04184	82120	97022	30611	884//	00002	84816	87640	0//11	11158	30706	24809

es of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of 4 JANUARY

00h of 5 JANUARY

06h of 5 JANUARY

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 5 JANUARY 1977

During the past 24 hours an anticyclone over North France slowly declined. A low pressure complex south of Iceland deepened and moved steadily northeast and its associated frontal troughs moved steadily eastwards across the British Isles. During the next 24 hours the frontal troughs will clear the British Isles followed by a ridge of high pressure. However, Scotland may be affected by another frontal trough now developing near southern Greenland.

Code FM 11.V

OBSERVATIONS at 00h. 05 JANUARY 1977

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	81907	04536	34803	870//	03810	88700		
Hurn	862	82107	50636	35406	854//	05807	83710	85613	88620
Manston	797	31911	58011	36201	16432	01711	81710		
Gatwick	776	82007	60032	35704	8097/	02710	88359		
Kew	775								
Heathrow	772	81807	59216	35304	2567/	03710	82636	88360	
Honington	586	82010	45602	34403	1561/	01707	81630	88463	
Wattisham	590	71811	50052	34902	7097/	01712	87360		
Gorleston	497	62010	64031	35203	00906	01707	86275		
Aberporth	502	82019	61506	29808	872//	07704	82704	88709	
Filton	628	82210	58216	33206	853//	05710	82708	88613	
Rhoose	715	81707	25515	33205	852//	05708	82703	88611	
Hartland Point	703	82318	58515	32007	872//	07807	88704		
Mount Batten	827	82215	40516	34508	872//	07804	84703	88708	
St. Mawgan	817	82010	40586	33407	870//	07807	83701	88703	
Scilly	804	82211	48606	33409	853//	08707	85706	88617	
Culdrose	809	82214	40516	33708	872//	07707	81705	83706	88710
Guernsey	894	72107	70022	36906	2147/	03708	82814	87462	
Elmdon	534	82010	58516	32104	872//	04711	85704	88705	
Cardington	559	81912	58606	34203	5562/	03709	85640	88459	
Wittering	462	82016	30536	32603	852//	03710	82705	85706	88616
Watnall	354	82212	15596	30903	870//	03709	88701		
Shawbury	414	81810	43046	30005	863//	03711	83708	88710	
Finningley	360	82012	40586	29504	853//	03810	84707	88640	
Spurn Point	396	81916	62616	31003	8091/	02710	88460		
Leeming	257	81611	50046	27304	654/7	03808	81710	86616	88270
Tynemouth	262	81912	69026	25105	00907	04804	88275		
Carlisle	222	82313	62025	24109	853//	08710	82708	85710	88618
Valley	302	81921	15515	27309	870//	08809	88701		
Ringway	334	81815	50046	29604	853//	02711	82706	85709	88620
Squires Gate	318	81610	30106	27505	854//	04710	88615		
Ronaldsway	204	82013	60206	25209	851//	09802	83702	88618	
Mull of Galloway	131	82323	62026	23209	874//	09803	88712		
Eskdalemuir	162	81709	07586	23605	870//	05803	88700		
Prestwick	135	81810	58026	22109	872//	09000	81704	85706	88708
Abbotsinch	140	82115	40515	20809	872//	09811	81704	85706	88708
Leuchars	171	82215	59502	19908	872//	07806	82705	86706	88708
Dyce	091	81905	70026	16906	15447	05809	81615	84362	88275
Lerwick	005	82325	56606	09009	852//	08708	82705	85709	88614
Wick	075	71813	82022	12309	5573/	07505	85656	87360	
Sule Skerry	010	82337	58626	09410	874//	10503	88715		
Cape Wrath	049	82328	74616	07909	873//	08707	88708		
Stornoway	026	82126	25636	10210	872//	10707	84703	88708	
Benbecula	022	82019	30595	12709	861//	09503	84702	88704	
Tiree	100	82125	40505	16910	862//	10801	85703	88707	
Aldergrove	917	82113	82025	22410	863//	08801	84707	88709	
Malin	980	82130	84022	18810	6642/	08804	82710	86713	88459
Belmullet	976	82226	50515	20011	863//	10707	84707	88712	
Birr	965	82110	66205	25211	864//	09606	86712	86630	
Dublin	969	72110	70035	25210	754//	08000	82715	87640	
Shannon	962	82211	65505	25710	864//	09502	86712	88620	
Roches Point	952	82113	30586	28210	862//	09500	88703		
Valentia	953	82016	60505	26811	863//	09501	88708		

OBSERVATIONS at 06h. 05 JANUARY 1977

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	82012	03515	32105	870//	05716	88700		
862	82107	57506	33007	873//	06716	88706		
797	81808	70021	33903	2557/	02613	82620	85359	88461
776	82009	18636	33205	872//	05716	82704	85705	88707
775	81906	25616	32405	873//	05713	88706		
772	81708	20506	32505	871//	05716	86702	88703	
586	81911	14526	31303	870//	03716	88701		
590	81712	13586	32003	870//	02717	82701	86702	88704
497	81915	56505	31904	874//	03715	88715		
502	72215	30205	28709	751//	09611	81702	84704	87640
628	82206	58036	31007	863//	05612	85708	88711	
715	82414	35585	30707	872//	06717	81705	86708	88710
703	92523	02535	30508	9////	08713	89///		
827	82613	35205	32509	852//	08713	83705	84709	88615
817	82512	08506	32108	870//	08811	88700		
804	82313	56506	32409	872//	09708	88705		
809	82313	15515	32309	870//	08711	85700	88704	
894	82308	70616	34907	6842/	03712	81814	86616	88460
534	82010	56105	29806	862//	05611	88703		
559	81911	40516	31205	862//	05715	84705	88706	
462	82114	50106	29605	862//	04718	86703	88704	
354	82112	50506	28105	861//	04714	88702		
414	81805	65022	28307	853//	06708	82706	87708	88613
360	82008	57106	27205	853//	04714	84707	88615	
396	82114	60026	28104	8092/	03719	88460		
257	81613	30102	25105	852//	05716	81705	84708	88614
262	72012	69022	23407	7097/	06711	87359		
222	82411	62215	23009	853//	09608	83709	85712	88622
302	82018	45025	26309	862//	08811	83704	88705	
334	81915	58502	27706	854//	04811	84710	88630	
318	82112	65035	25807	862//	07712	88704		
204	72114	59105	23909	752//	09609	82703	87618	
131	52330	74012	21709	25630	09713	82630	85360	
162	81712	12516	22106	870//	06504	88700		
135	82216	62205	19910	854//	08719	85710	88617	
140	82219	62205	18710	853//	09723	82707	85712	88616
171	82213	58025	18009	863//	08818	83707	88708	
091	71610	62022	15108	6537/	07728	84706	83645	86360
005	82230	57215	07309	853//	08611	85709	88614	
075	72220	82022	10710	1573/	07507	81650	87359	
010	81930	66026	08410	865//	09709	88720		
049	82330	82026	07709	864//	08705	88715		
026	72422	80018	09410	785//	08609	85820	87635	
022	32122	75016	11909	35400	08704	82710		
100	82222	50586	15610	852//	10606	84704	87707	88614
917	82114	65505	21610	863//	08511	83706	88707	
980	82115	56586	18610	863//	09503	86709	88715	
976	72316	59106	20510	5637/	09307	81707	84714	86359
965	82111	66025	24511	864//	09607	85713	88630	
969	72215	70036	24011	756//	08512	87640		
962	82214	59505	24510	863//	09607	83708	88712	
952	82016	30505	27810	862//	09807	88704		
953	82215	56586	25811	863//	10605	88707		

OBSERVATIONS during NIGHT

iii	$RRT_n T_n E$	$T_g T_g$	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	01031	02	d.r.d.r.d.df	d.d.ff
862	01051	03	r.d.r.r	r.r.d.d.d.r.d
797	93001	53	+	d.-d.r.d
776	03021	50	r.r.	r.r.drrrd.r.
775	01041	02	r.d.ir.	ir.r.r.d.d.
772	94041	02	r.r.d.r.	d.r.d.d.d
586	03021	01	r.r.d.r.d.r.	d.r.d.r.drdd
590	03025	50	r.d.	d.r.d.r.drdrf
497				
502	92071	04	r.r.d.d.	d.d.
628	01041	03	d.d.-d.r.-r.	d.
715	04052	05	d.d.dd.	d.-d.d.-d.r.
703	03062	06		
827	03071	06	d.r.d.d.	d.d.
817	03061	05	drd.r.d.r.	d.r.d.r.ff
804	02082	07	ir.r.r.	r.r.id.
809	04072	06	ddd.d.	ddd.d.id.
894	97061	03	+	r.r.d.r.
534	03031	02	d.r.drdrd.d.	r.
559	01031	02	r.r.d.r.	d.r.d.d.
462	96031	02	r.drdd.	d.
354	03021	01	d.r.rRdrdrr.	d.
414	95031	02	d.r.	+
360	01031	02	d.r.drr.r	+
396			r.r.	r.
257	97031	02	r.	r.
262	00051	03	+	+
222	94061	05	d.d.	d.r.d.r.d.
302	01081	07	d.d.	r.
334	92031	03	d.r.drd.r.d.	d.
318	91041	03	d.r.d.d.	+
204	92091	08	d.d.	d.d.r.
131	00081			
162	06052	02	drd.r.d.r.ff	d.r.d.r.fdrdr
135	93081	02	d.	d.d.r.d
140	01081	08	d.d.	d.d.r.d.r.
171	97071	06	id.	d.d.d.r.d.
091	00061	03	+	+
005	01071	07	d.d.r.r.ir.	id.ir.
075	00081	05	+	+
010	05091	08		
049	05082	08	r.r.	irir.
026	05091	07	r.r.drd.r.	d.r.pr.
022	02081	07	d.d.drrrdr	d.r.pr.
100	02091	09	id.d.d.dr	drd.r.rd.r.
917	97081	08	id.d.	d.-d.d.
980	01091	07		
976	02091	08		
965	97101	09		
969	97101	08		
962	91091	08		
952	97091	09		
953	01101	09		

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	05001	82811	98028	24803	855//	00244	/////	/////	0//55	10593	3//05	30/08
L	99568	70206	05004	52732	98258	05506	49430	51289	81912	83818	0//04	10990	30808	28110
M	99656	10038	05004	82246	96072	92008	874//	82739	/////	/////	0//07	10774	31416	/////
R	99470	70168	05004	72117	97022	31412	754//	00104	87613	/////	0//10	10705	/////	24808

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	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w t_T$	$3P_w P_w H_w H_w$	$d_w d_w$
C	99527	70355	05061	82511	98022	28804	855//	00218	/////	/////	0//53	10602	3//05	30/08
L	99565	70208	05064	42638	97028	17005	49400	51143	81912	83815	0//50	10984	30809	29112
M	99661	10037	05064	82338	96616	87008	5742/	81728	/////	/////	0//06	10703	31416	/////
R	99469	70169	05064	72115	97032	31211	764//	00803	87713	/////	0//11	11156	30704	26806

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.0

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue THURSDAY 6 JANUARY 1977

42049

FM 11.V

OBSERVATIONS at 12h. 05 JANUARY 1977

tion	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
combe Down	746	82009	06506	31406	870//	06805	88700		
rn	862	82208	20536	31808	872//	08711	84703	88704	
inston	797	82114	57635	32304	5572/	03817	85650	88459	
twick	776	82011	26596	32406	871//	06709	83702	88703	
w	775	81908	17536	31406	872//	06809	88704		
athrow	772	81808	20585	31506	872//	06709	84703	88704	
nington	586	82010	16585	30105	870//	04810	86701	88702	
ttisham	590	82014	12615	30904	870//	04810	88700		
rleston	497	82015	32216	30105	874//	04713	88715		
erporth	502	82417	50512	28310	7713/	09802	83702	87704	
ton	628	82510	60025	30209	853//	07802	82707	86710	88622
oose	715	82612	50106	30409	861//	08801	82702	88703	
rtland Point	703	82620	12022	30709	860//	09001	88701		
unt Batten	827	82608	20105	31909	860//	09803	85701	88708	
Mawgan	817	82612	35105	32109	860//	09801	86701	88702	
lly	804	72410	56025	32610	6557/	10801	86625		
ldrose	809	82506	15105	32509	871//	09001	82702	84703	88705
ernsey	894	82112	35616	34706	872//	05806	82703	84704	87706
mdon	534	72108	38106	29207	762//	07802	87703		
rdington	559	81909	50106	30206	853//	06806	86708	88615	
ittering	462	82012	35102	29106	861//	05804	85702	88703	
tnall	354	82310	18105	27707	862//	07805	86704	88712	
awbury	414	72310	72202	27610	753/2	08805	81709	87612	
nningley	360	72112	57042	26308	65632	06706	86630		
urn Point	396	82011	40032	27406	855//	05804	88620		
eming	257	72310	62046	25009	55402	07303	81711	84628	87070
rnemouth	262	72009	61022	23209	4567/	08302	84630	87358	
rlisle	222	82615	60505	22610	853//	09000	82707	85709	88618
lley	302	82318	57026	26809	6522/	09000	81705	86618	88458
ngway	334	71812	58015	27008	754//	06803	85714	86620	
guires Gate	318	82416	40516	25508	851//	08801	82702	88622	
naldsway	204	72412	61026	24610	6633/	09003	82706	85708	86359
ull of Galloway	131	72420	82022	23509	5561/	09310	85630	87460	
kdalemuir	162	72310	60216	22308	653/2	07306	82706	85715	86620
restwick	135	72315	62026	21710	7847/	08110	81710	83625	86632
bbotsinch	140	72622	65216	20010	784//	09105	81714	86616	87640
euchars	171	42311	70205	18709	25432	07007	81615		
yce	091	42204	86012	17009	15672	05213	81630	83368	
erwick	005	52428	58216	08107	45331	06305	82708	84620	
Vick	075	42826	75258	14008	38432	05219	82818		
ule Skerry	010	62830	66256	12008	625//	06233	86820		
ape Wrath	049	62731	82806	12706	634//	03347	86915		
tornoway	026	32819	75258	17406	32400	04260	83818		
lenbecula	022	32722	80038	20107	39400	02249	83918		
iree	100	53021	80256	22208	58400	04247	82818	83628	
ldergrove	917	72513	60506	24709	752//	08220	81704	84708	87624
alin	980	62917	78016	24208	684/2	05238	81716	84640	
elmullet	976	63117	70035	27709	5353/	03134	83820	84638	81920
irr	965	82505	58505	27410	864//	10114	88710		
Dublin	969	72613	68015	26211	5647/	09215	84711	85630	87459
hannon	962	73009	65205	28310	654/2	08216	82715	85625	85070
Roches Point	952	72309	70026	28610	3637/	10006	82708	87459	
Valentia	953	73506	62106	29610	754//	07317	83715	87635	

OBSERVATIONS at 18h. 05 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	82009	04515	30107	870//	07802	88700		
862	82206	30505	30709	872//	08703	85703	88706	
797	82116	56206	30805	862//	05704	84704	88705	
776	82110	22506	30606	870//	06705	84701	88702	
775	82005	19505	30007	871//	06802	83702	88704	
772	81806	28506	30007	870//	07801	85701	88702	
586	82108	14506	29106	870//	06000	86701	88702	
590	82112	08506	29305	870//	05703	88700		
497	82315	48022	28805	865//	05703	88720		
502	93014	02476	29509	9////	09211	89/01		
628	82606	15596	29308	870//	08801	86701	88702	
715	92709	06455	29508	9////	08303	89/00		
703	92510	00586	30209	9////	09305	89/00		
827	82609	18535	30909	870//	09602	83701	88703	
817	82813	06596	30909	870//	09802	88700		
804	82611	20205	31709	862//	09702	88705		
809	82609	01515	31309	870//	09602	85700	88701	
894	82414	35206	33207	860//	07802	85701	87702	
534	82409	20516	28708	851//	07207	83702	88611	
559	82006	30616	29107	872//	07201	86703	88704	
462	82207	15582	28306	852//	06103	86703	88614	
354	82503	15505	28107	870//	07211	88701		
414	72705	75025	28208	15612	07210	81630	84460	87075
360	82402	56042	27108	855//	07212	81622	88645	
396	81909	30606	27406	856//	06209	88630		
257	73105	65045	26908	55402	06319	81616	85625	87070
262	63208	69022	26409	6097/	05223	86359		
222	63208	70016	27805	25632	04233	81630	86072	
302	73310	70026	30009	756//	07324	87645		
334	83113	45045	28509	852//	07313	84704	88650	
318	73109	58216	28207	754//	06122	82618	87650	
204	63112	68036	29307	28432	03229	81816	85075	
131	73415	82028	28806	32506	05230	83825	87275	
162	72908	80036	27803	11432	00229	81818	87070	
135	23213	65026	28105	15401	02230	81716		
140	12609	82028	27303	15701	00231	81650		
171	12509	86018	25803	00902	50238	81070		
091	12710	84018	24404	00901	51228	81070		
005	22626	70016	15805	28400	50225	81815		
075	12514	82028	21502	12400	51224	81818		
010	52724	66258	18507	53500	03221	85920		
049	62726	81898	19805	634//	00228	86915		
026	12413	80010	22704	12500	01119	81820		
022	52413	75258	25006	59400	02118	82915	84818	
100	32816	80258	27306	38400	02218	82815		
917	22808	75015	30204	25602	02227	82630		
980	22817	80258	29506	28500	01225	81820		
976	62907	72258	31607	5343/	01218	83718	84820	81920
965	23102	80015	31905	15602	02220	81634		
969	53006	80016	31006	35602	03228	83635	84070	
962	53206	75025	32905	15602	02224	81640	85070	
952	73217	70022	31608	25672	04115	82633	83359	87272
953	70305	70032	33007	25602	03121	82635	87070	

OBSERVATIONS during DAY

iii	RRT x T E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	02071	000	d.d.ffd.r.	d.d.ffd.r.drd
362	02091	000	d.d.r.d.d.	d.d.r.r.
797	04051	000	d.r.id.rrr.r	rr.rd.id.
776	04071	000	drd.r.d.r.d.	d.r.d.d.
775	04071	000	dedod.dr.ddd	dodDD
772	03071	000	d.d-drd.r.d.r.	d.d.-d.r.d.r.dr
586	01061	000	d.d.-r.d.r.	ir.d.d.df
590	02062	000	fdrdrddr.d.r.	fd.-d.r.
497		000		
502	02101	000	d.d.d.r.F	ir.F
628	03091	000	d.id.	r.drdrd.d.ff
715	95091	000	id.f	d.d.ff
703	04092	000		
827	01091	000	d.d.id.	d.did.
817	03091	000	d.r.	d.r.d.r.drFF
804	01102	000	id.	id.d.d.ff
809	01112	000	id.	id.d.d.d.r.
894	05081	000	d.r.d.r.drf	drdrd.d.d.r.
534	93081	000	+	d.r.ir.d.
559	03081	000	d.d.-d.r.	rr.r.dr
462	01071	000	+	r.d.r.drd.
354	92081	000	+	d.
414	91111	000	d.	d.r.
360	00091	005	+	+
396			+	ir.
257	97091	001	r.d.	+
262	00111		+	+
222	93101	001	dododororr+	
302	94101	000	ir.d.d.	id.d.r.
334	02091	000	d.dDfD	Ddd.
318	91081	000	d.dd.r.d.r.	d.r.d.
204	97101	002	r.d.	+
131	95091			
162	01083	004	drdrd.r.d.r.	+
135	94101	001	id.ir.	jp
140	95101	011	d.r.d.ir.pr.	+
171	91101	007	d.pr.	+
091	93113	007	r.pr.	+
005	01091	004	ir.	ir.ph.r.
075	01101	013	prpr.	[illegible]
010	01102			
049	01092	002	pr.ph.r.	ph.r.phr
026	94091	033	pr.jp	jpprpr.
022	93081	026	pr.	pr.
100	92101	023	ir.pr.	pr.
917	95091	006	d.d.r.	+
980	0110	008		
976	9710	029		
965	9210	000		
969	9111	000		
962	0110	002		
952	9711	002		
953	0111	002		

e FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

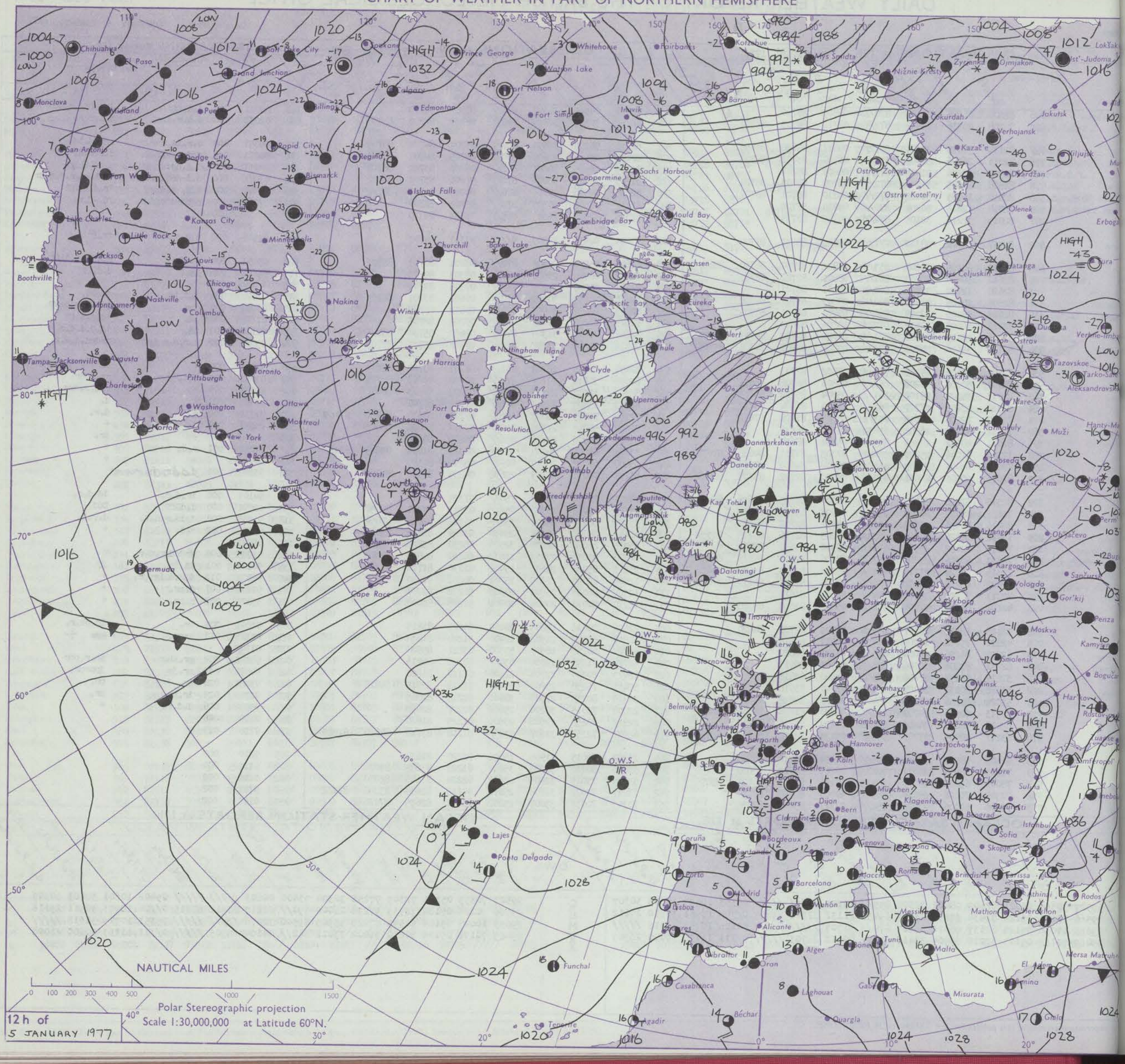
W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_vapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
E	99527	70355	05121	82609	98022	32304	855//	00223	/////	/////	05353	10593	30605	30307
_	99566	70201	05124	72434	97158	23506	6943/	21132	82912	83815	0//04	10961	30810	29112
M	99663	10036	05124	82137	96026	85607	874//	31707	/////	/////	00106	10759	31416	/////
R	99469	70167	05124	82210	95505	33411	872//	00112	88703	/////	0//11	11176	30000	26907

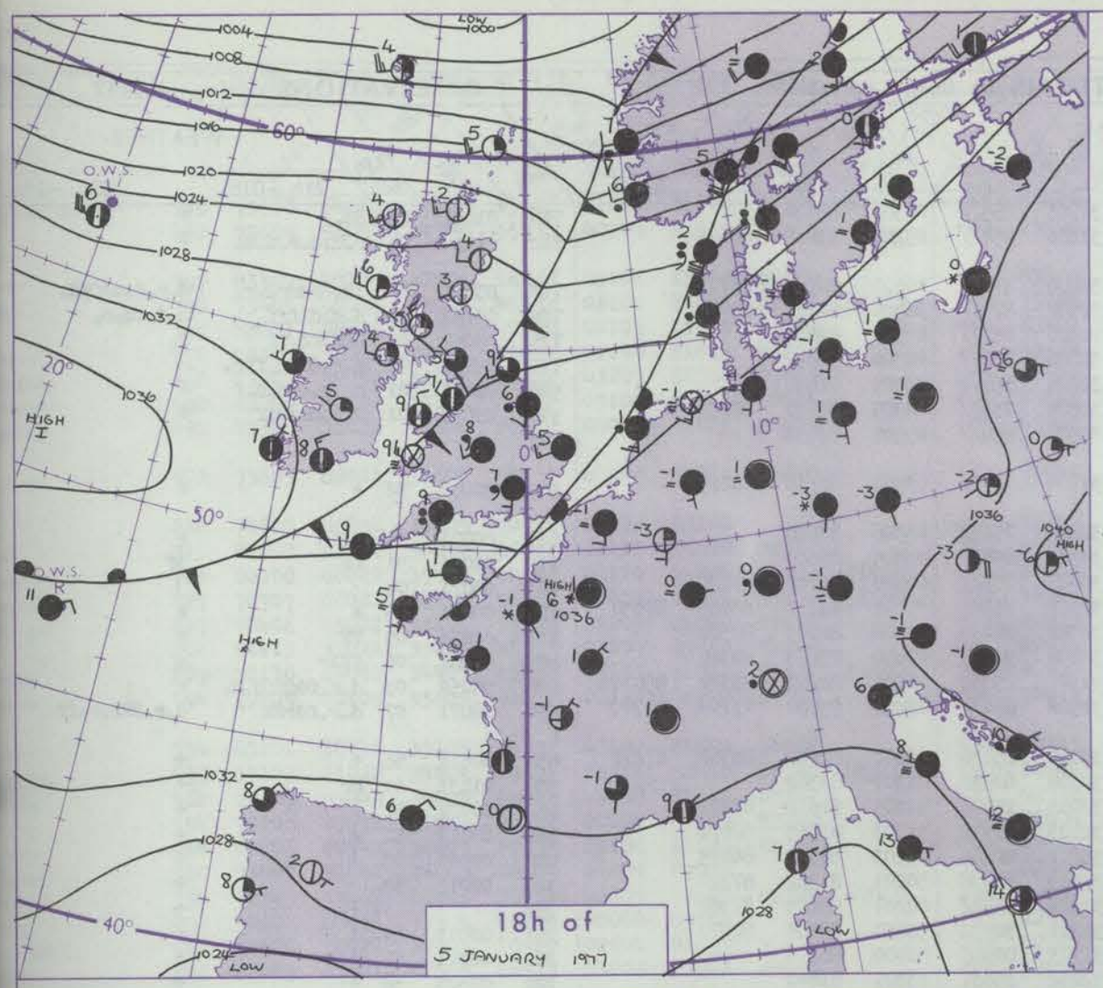
OCEAN WEATHER STATION REPORTS at 18h.

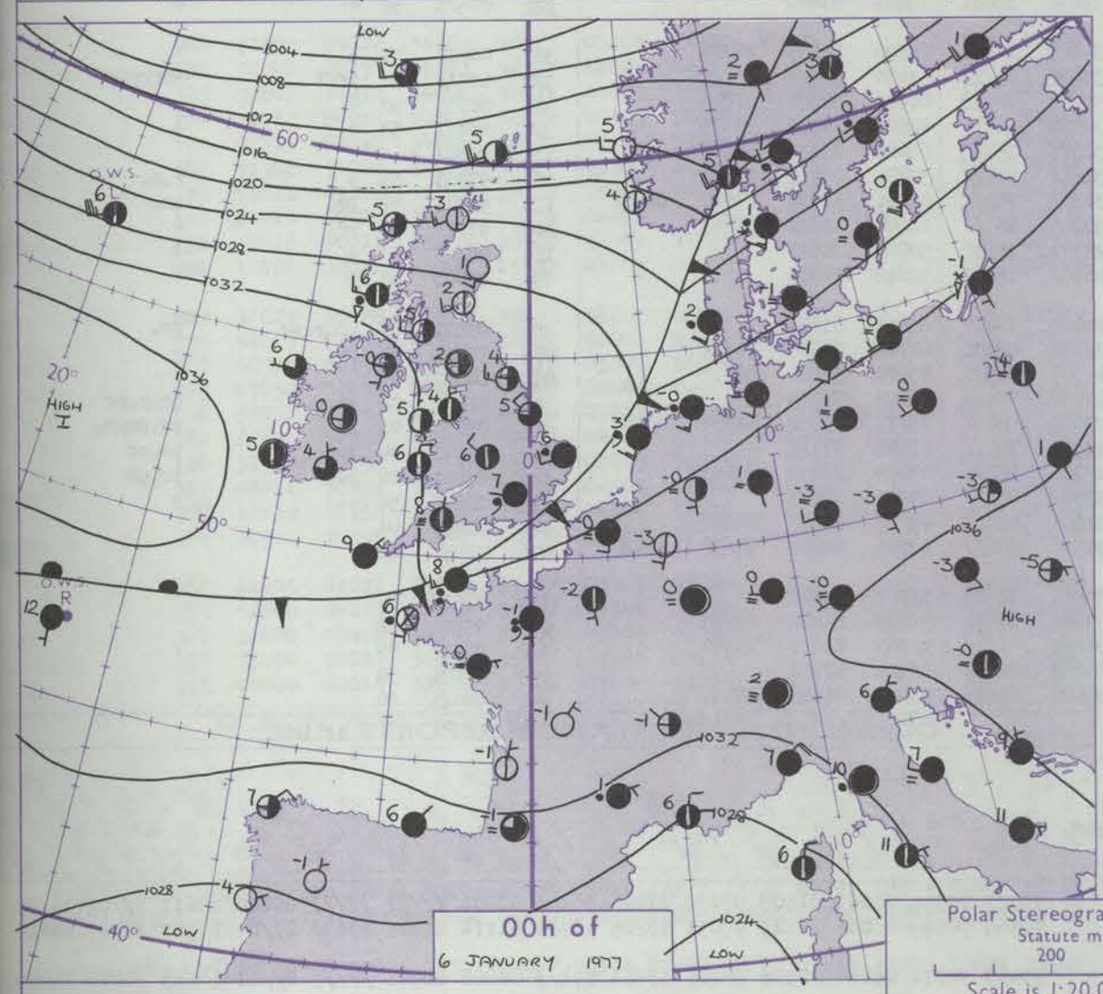
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_vapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	05181	72309	97258	32304	73400	00603	/////	/////	05402	10601	30403	30307
L	99566	70203	05184	72733	97278	26006	794//	61217	83912	83815	0//04	10973	30911	29116
M	99655	10045	05184	52545	97028	93905	59500	32278	/////	/////	05351	10729	31618	/////
R	99469	70171	05184	80610	96022	33011	862//	00104	88705	/////	0//11	11163	30000	26008

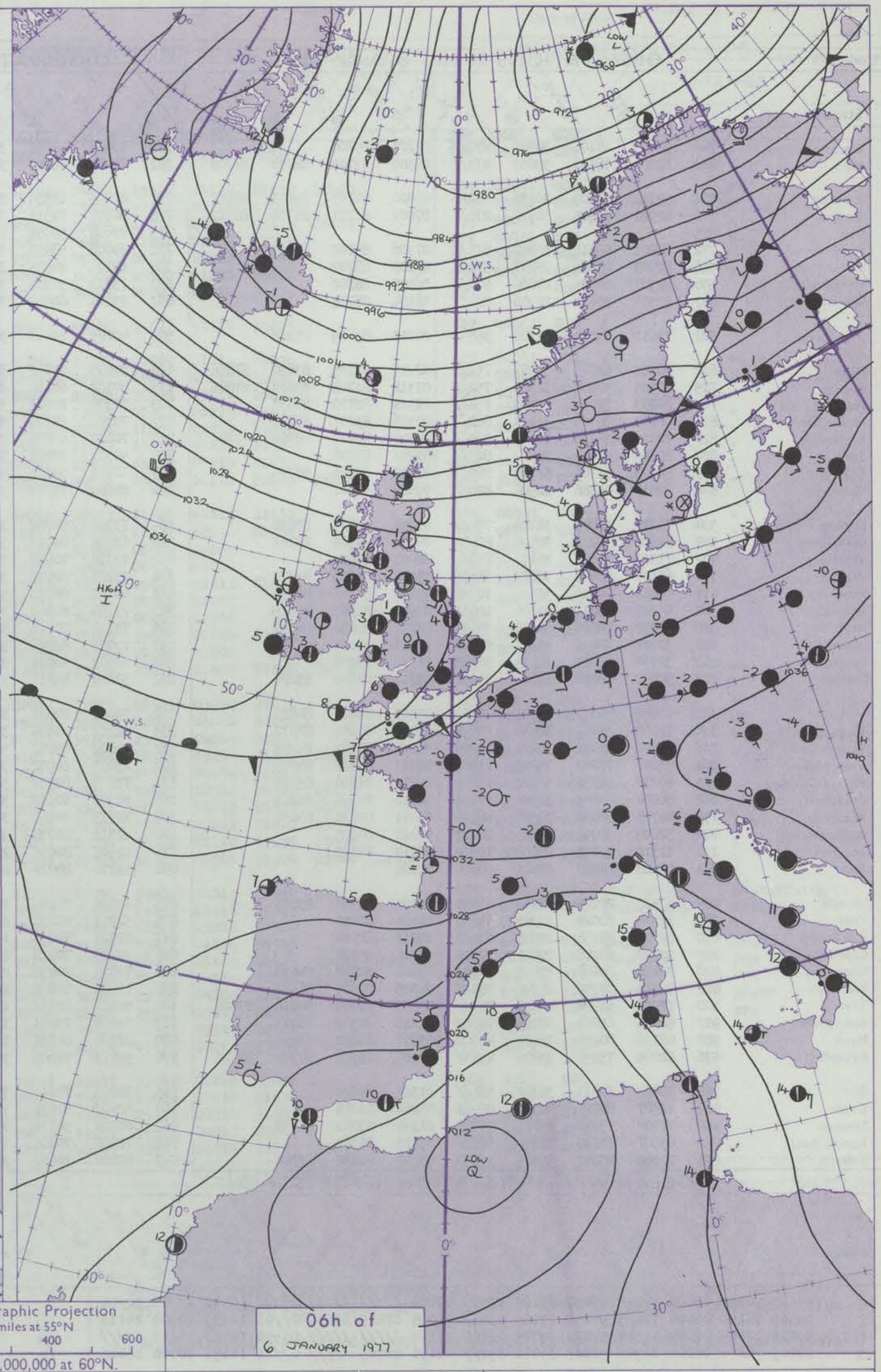
ss. Met.O. imes of observation printed in this publication are GREENWICH MEAN TIME.

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 6 JANUARY 1977

During the past 24 hours a deep depression north of Iceland filled steadily. An anticyclone moved northeast from mid-Atlantic to a position off western Ireland. A cold front moved steadily southeastwards over the British Isles, clearing all districts during the period. During the next 24 hours little change is expected. Pressure will remain high to the west of Ireland, and low to the north. A west to northwest airstream will be maintained over all districts.

Code FM 11.V

OBSERVATIONS at 00h. 06 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	83403	14106	30707	870//	07207	88700		
Hurn	862	82902	18506	30608	871//	08305	83702	88703	88705
Manston	797	82112	63505	30506	852//	05000	84705	85613	88647
Gatwick	776	81901	13515	30107	870//	07001	81701	84704	88712
Kew	775								
Heathrow	772	82901	05516	30307	871//	07306	85702	88703	
Honington	586	82903	08466	29607	870//	07208	88700		
Wattisham	590	82307	04585	29606	870//	06105	88700		
Gorleston	497	82308	30616	29306	874//	06104	88715		
Aberporth	502	73612	75024	32706	3553/	04212	83625	85363	
Filton	628	70104	62015	31307	752//	07215	81705	83620	87656
Rhoose	715	70505	57284	31507	752//	07312	81703	83612	87645
Hartland Point	703	80203	74036	32308	854//	07314	82710	88631	
Mount Batten	827	80102	30105	31409	862//	09308	83705	88711	
St. Mawgan	817	70311	35106	32008	760//	08308	82701	84702	87704
Scilly	804	80405	60026	32509	863//	09207	88706		
Culdrose	809	80103	11106	31709	860//	09204	82700	88704	
Guernsey	894	82413	03586	32508	870//	08802	88700		
Elmdon	534	73210	57045	31406	755//	05216	81625	87636	
Cardington	559	82902	30216	30406	8097/	06311	84360	88363	
Wittering	462	73310	35046	30107	757//	06009	87650		
Watnall	354	63510	56055	30807	35631	05220	82635	85075	
Shawbury	414	63411	70016	32405	10932	03218	81360	86075	
Finningley	360	53105	75012	31106	10931	02220	81362	85075	
Spurn Point	396	63212	70026	30105	3567/	03217	83630	86360	
Leeming	257	32907	80031	31202	00902	51116	83070		
Tynemouth	262	32710	69021	30904	30930	51117	83358		
Carlisle	222	50000	70021	31602	15631	01213	81640	85074	
Valley	302	43606	75011	33305	15502	03213	81625	84075	
Ringway	334	73203	35045	32804	15738	03223	81650	87272	
Squires Gate	318	73406	65032	32204	40958	03220	84362	85275	
Ronaldsway	204	53107	75012	33005	11401	02213	81818	85075	
Mull of Galloway	131	63210	82032	32405	15649	03213	81630	85175	
Eskdalemuir	162	50000	75031	31952	10936	54111	81366	85272	
Prestwick	135	42708	80031	31305	48500	03211	81825	83656	
Abbotsinch	140	32208	80018	30703	28530	01212	81825		
Leuchars	171	12312	82010	29002	15700	52210	81650		
Dyce	091	02208	84020	27401	00900	52108			
Lerwick	005	42523	70278	17405	49400	02001	82910	83815	
Wick	075	12314	82028	23303	15700	01106	81650		
Sule Skerry	010	62724	74258	20807	635//	05211	86920		
Cape Wrath	049	52728	80278	20406	59500	02801	85920		
Stornoway	026	52416	70258	23805	58400	03400	82818	84630	
Benbecula	022	72514	75258	26706	784//	04305	83815	86630	
Tiree	100	72916	66808	29406	783//	03306	81709	84816	87628
Aldergrove	917	52004	65021	33550	10942	51113	81362	85075	
Malin	980	42116	80038	31605	48500	03307	81820	83645	
Belmullet	976	62704	75258	33806	4353/	02207	83920	84359	82920
Birr	965	50000	70011	35700	556//	51319	85640		
Dublin	969	12807	80021	34302	00901	01214	81075		
Shannon	962	70000	75032	35401	30978	01110	83362	84275	
Roches Point	952	63307	70022	35004	6093/	02213	86360		
Valentia	953	70000	70012	35305	15630	03207	81632	87360	

OBSERVATIONS at 06h. 06 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	83408	58052	31905	855//	04302	88524		
862	80107	45055	31606	854//	05204	83615	88656	
797	82905	19536	30206	870//	06500	86701	88703	
776	80107	24516	31007	873//	06304	84709	88711	
775	83608	58055	31606	855//	03308	88638		
772	83606	58016	31606	856//	04306	88632		
586	63106	40055	31004	657//	03305	86650		
590	73312	50105	30805	756//	04305	82630	87656	
497	83209	60026	30305	856//	05205	88630		
502	40705	70011	34104	10932	03308	81360	84075	
628	70405	65032	32804	757//	03306	87650		
715	80302	66114	33105	855//	03305	88620		
703	70304	70022	32607	753//	06305	85708	87630	
827	70702	58102	31407	754//	07801	81711	83638	87650
817	70207	60022	32307	2623/	06000	82705	87360	
804	40311	78021	32708	32530	07400	83823	84360	
809	60106	58102	32107	25332	06500	81707	83362	85070
894	82605	14616	31508	870//	08508	83700	87701	88703
534	73302	50102	33200	25636	50207	82640	83362	87272
559	63304	64012	32304	6093/	01307	86362		
462	73310	70032	32003	25406	51205	82616	87272	
354	73207	62022	32403	30932	51203	83363	87070	
414	60000	66031	33601	40932	01203	84362	86075	
360	73208	60041	31903	10938	50101	81362	87270	
396	73110	70011	31904	3557/	00204	83625	87360	
257	72805	82022	32201	30932	51400	83365	87070	
262	62609	80021	31703	00908	50400	86275		
222	30000	65011	32252	15631	53301	81640		
302	70000	80021	34203	11538	02500	81825	87275	
334	92102	01434	33650	9////	51400	89///		
318	72802	65032	33101	40958	00701	84360	87275	
204	73003	84032	33304	10932	02501	81362	87075	
131	73015	82032	32605	5561/	03601	85630	87460	
162	80000	60662	31851	874//	52804	85712	88715	
135	72713	80258	31306	784//	03801	81714	83820	86636
140	62312	80038	30005	685//	02804	81822	86645	
171	12307	80030	28301	15600	50808	81645		
091	12210	84020	26102	15600	52612	81640		
005	12528	75258	14905	19400	02813	81914		
075	52215	82031	22104	48501	01711	81820	84642	
010	82524	74258	19307	33507	05807	83920	88275	
049	72728	70278	19006	794//	03718	87915		
026	72520	70258	22605	58402	03711	83818	84635	85070
022	72425	66808	26006	794//	03607	87912		
100	42617	82258	28806	48500	03805	82820	83645	
917	72306	75031	33502	756//	00802	87632		
980	62520	81038	31606	685//	03605	81820	86645	
976	52913	74808	34307	535//	03201	84920	84638	83920
965	31801	70011	35851	35600	51301	83640		
969	52507	80031	34600	40932	51303	84360	83070	
962	60704	56114	36200	4563/	51302	84636	83359	
952	72906	70021	35803	00908	02304	87272		
953	80000	70032	36405	6563/	03203	86632	88360	

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–09
746	01041	02	dd.	+
862	01061	04	r.d.d.r.d.d.	+
797	03051	04	id.drdrrd.r.	d.r.d.ddffd.
776	03061	04	d.d.difff	d.d.fd.r.
775	03041	02	DDf1fd.ff	d.
772	02051	02	d.r.dd.d.ffr.	+
586	01021	01	dd.r.drd.d.f	+
590	03032	02	d.r.drddff	+
497				
502	00031	52	+	+
628	00031	51	ff	+
715	00041	51	fF	jf
703	00071	04		
827	00071	05	+	+
817	00051	05	FF	+
804	96081	06	ffir	+
809	94052	03	d.r.fddffd.d.	+
894	08071	07	d.r.fdrFF	d.r.FFr.r.ff
534	00511	55	+	+
559	01031	51	dr	+
462	00021	51	+	+
354	00013	51	+	+
414	00503	55	+	+
360	00011	54	+	+
396			+	+
257	00013	54	+	+
262	00021	51	+	+
222	00523	58	+	+
302	00021	53	+	+
334	00513	52	1ffF	FFfff1f
318	00013	52	+	+
204	00011	53	+	+
131	00041			
162	97553	55	+	r.d.
135	92041	51	pr.	pr.
140	91021	50	pr.	+
171	00503	53	+	+
091	00003	55	+	+
005	03031	01	ph.r.pr.	pr.
075	97021	51	pr.	+
010	04052	03		
049	01062	02	ph.r.	ph.r.pr
026	01031	01	pr.	pr.prpr.
022	01051	04	prpr.	pr.pr
100	01051	02	pr.	pr.pR
917	00513	54	+	+
980	92051	04		
976	97051	02		
965	97523	55		
969	97501	52		
962	97511	55		
952	97021	51		
953	00021	50		

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	06001	52108	98038	33105	52500	00000	/////	/////	05102	10592	3//03	30/06
L	99569	70199	06004	72635	97258	27105	4843/	71005	82815	83630	0//03	10959	30909	29116
M	99649	10054	06004	42544	97022	99705	42500	32217	/////	/////	05550	10760	31618	/////
R	99469	70171	06004	81704	96022	34011	872//	00101	88705	/////	0//11	11156	30000	26006

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	06061	71808	98031	33006	35550	00804	/////	/////	00004	10611	3//02	30/0
L	99569	70199	06064	62729	97031	30205	48430	61114	82815	83630	0//05	10967	30907	2911
M														
R	99469	70170	06064	80906	94205	33211	871//	00808	88703	/////	0//11	11213	30000	2600

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, M

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue FRIDAY 7 JANUARY 1977

OBSERVATIONS at 12h. 06 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
be Down	746	73608	64022	34604	1567/	01007	81640	85359	87462
	862	73609	56052	34305	5577/	02109	85656	86360	
	797	83307	40105	32505	862//	05106	83703	88704	
n	776	73406	57055	33505	4587/	03207	84657	83360	87468
k	775	83601	58052	33905	70978	01107	87359	87273	
	772	73304	58052	34205	1567/	01109	81635	87360	
ow	586	73207	50052	33203	784//	03207	81818	87656	
gton	590	83209	38102	33103	852//	03108	81704	88656	
ham	497	83305	58022	32506	885//	04008	82825	88630	
ton	502	73605	80011	36605	68431	04209	81815	85640	
rth	628	70205	59052	35305	7097/	02006	87360		
	715	83402	62032	36006	5553/	02111	85628	88362	
	703	80308	68022	35406	6857/	03110	81820	86630	88460
d Point	827	70707	68022	34308	5562/	04007	81630	85650	87460
Batten	817	70406	65022	35107	35378	05209	81708	87460	
wgan	804	50213	72021	35409	48532	05107	83820	84360	
	809	70110	66022	34407	58438	05107	81710	83630	85072
se	894	80209	10106	33608	860//	08108	85700	87701	
sey	534	83201	30042	35103	1577/	02107	81650	88360	
n	559	83102	61022	34604	6547/	02108	82618	85640	88360
gton	462	73107	59042	34403	1567/	00108	81630	87361	
ring	354	73108	45052	34403	60972	00004	86367	83070	
ll	414	62806	60042	35603	1553/	02106	81625	86360	
ury	360	73003	30042	34103	00904	01004	87075		
gley	396	72809	59032	33903	25571	01005	82625	85360	87075
Point	257	52102	82031	33505	55600	00000	85640		
ng	262	12504	56021	32205	10930	02604	81359		
outh	222	62409	67021	32605	58532	03802	82822	84650	
e	302	72909	84022	36207	785//	03005	81820	87634	
ay	334	92002	00474	35801	9////	50006	89///		
s Gate	318	72808	64032	34606	785//	04003	81825	87640	
dsway	204	52712	84031	34807	38502	02103	81825	83650	
f Galloway	131	52715	82012	34005	48530	03204	81825	84630	
lemuir	162	71908	70026	32002	784//	01804	84818	85635	
wick	135	62616	65258	31806	58442	05004	81710	83820	
tsinch	140	62414	60808	30207	69401	04003	81715	81918	84825
ars	171	32416	80011	28105	28502	02704	81820		
	091	12104	82011	25906	15532	01802	81625		
ick	005	52627	60028	13606	39433	01805	82910	83069	
	075	52617	62158	21505	48401	02001	83814	83635	
Skerry	010	62737	66158	19506	635//	05304	86920		
Wrath	049	47232	82898	20406	49400	02601	84915		
oway	026	52720	75158	24706	59400	03217	81710	82915	83637
ecula	022	62624	72258	28007	694//	04114	81914	84818	
	100	32920	80158	30308	39460	03209	81917		
rgrove	917	52412	70021	34904	45302	02103	81708	84638	
	980	32619	68158	33108	33400	04104	81716	83820	81920
ullet	976	32912	75258	36208	33400	03007	81717	81921	
	965	62405	81021	37705	656//	03205	86636		
in	969	52608	84012	36604	556//	01304	85640		
non	962	30000	58408	38303	38500	02105	81820	83645	
es Point	952	73104	70022	38105	756//	02006	87632		
ntia	953	40000	80018	38605	38501	03108	81825	83632	

OBSERVATIONS at 18h. 06 JANUARY 1977

	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	33405	40101	37102	00901	01217	83072		
	862	23506	56051	36503	10932	02214	81364		
	797	83508	32102	34204	1572/	04112	81650	88460	
	776	73405	56052	35404	7091/	02214	87468		
	775	63401	58052	35803	6097/	00314	83359	85462	
	772	43505	50051	36004	40971	01214	82359		
	586	42806	35051	35101	00901	00112	84072		
	590	43108	42051	34702	45700	01210	84650		
	497	63005	58022	34404	00908	02210	86275		
	502	73514	88021	37606	756//	51116	87635		
	628	13402	58051	37202	00902	01215	81075		
	715	13102	64011	37902	15630	00217	81630		
	703	30404	80021	37806	38500	03218	81820		
	827	10710	65011	37205	00901	01219	81075		
	817	10410	70011	37804	11401	02219	81815		
	804	20413	75011	37707	12530	03223	81820		
	809	20207	60011	37404	15630	03219	81635		
	894	70413	67024	35506	25678	02114	82633	87273	
	534	12905	60041	36403	15600	01113	81630		
	559	22704	45101	36050	10932	50112	81365		
	462	02708	30101	35700	00900	50109			
	354	02004	16051	35401	00900	01008			
	414	12706	75011	36501	15640	51113	81635		
	360	02902	30041	34501	00900	51008			
	396	02610	50011	34103	00900	02306			
	257	42508	80021	33505	35502	02104	83624		
	262	02705	66020	32205	00900	03400			
	222	52209	62018	33205	28501	03106	81820	84075	
	302	10000	80011	37005	00901	03209	81070		
	334	22705	25044	35903	25700	01010	82650		
	318	22908	65011	35105	15601	04009	81640		
	204	42913	81011	35606	18541	03208	81820	84075	
	131	13018	78011	34106	15500	04004	81625		
	162	72306	66028	32305	724//	02306	84714	85819	
	135	52711	80018	33206	48501	04212	81820	83634	
	140	42409	65258	31706	38502	03012	81820	83640	
	171	62513	82031	29204	35602	01210	83635	85075	
	091	72616	84031	26705	38542	00306	81820	83640	87070
	005	52929	62278	15704	39402	51217	81910	83070	
	075	32717	70028	23804	19463	01216	81915		
	010	42837	66018	21607	43500	03216	84920		
	049	73229	80278	23306	794//	01326	87915		
	026	62815	70258	27406	4847/	01115	81816	83632	85460
	022	42817	82251	30506	38432	04110	82815	83630	
	100	23017	80258	32207	23400	04209	81918		
	917	22210	80018	35904	25501	03013	82625		
	980	32817	75018	35007	28502	03315	82820		
	976	52907	80258	38007	435/2	04213	83920	82920	
	965	42402	75031	39002	35602	02213	83636		
	969	12610	70021	37603	15602	02210	81635		
	962	32705	62408	39703	25630	02214	81630		
	952	73108	65021	39907	756//	04217	87632		
	953	70206	82022	40007	785//	02214	81825	87634	

OBSERVATIONS during DAY

	iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
	746	00053	000	+	+
	862	00061	000	+	+
	797	00051	000	+	+
	776	00061	000	+	+
	775	00051	000	+	+
	772	00051	000	+	+
	586	00043	000	+	+
	590	00033	000	+	+
	497		000		
	502	00061	030	+	+
	628	00051	000	+	+
	715	00063	003	+	+
	703	00071	007		
	827	00091	001	+	+
	817	00081	002	+	+
	804	00091	025	+	+
	809	00081	001	+	+
	894	91081	000	idof	+
	534	00051	006	+	+
	559	00043	000	+	+
	462	00043	000	+	+
	354	00053	012	+	+
	414	00063	013	jp	+
	360	00053	019	+	+
	396			+	+
	257	00073	041	+	+
	262	00061		+	+
	222	97061	027	+	pro
	302	00071	014	+	+
	334	00031	005	ifffFF	ff
	318	00071	015	+	+
	204	00081	034	+	+
	131	00071			
	162	95051	002	pro	+
	135	94071	010	pro	pro
	140	01081	027	pro	pro
	171	00061	047	+	+
	091	00071	032	+	+
	005	03062	001	phoropropoph	phoropproiro
	075	01051	026	propprphoro	prpro
	010	02072			
	049	96071	000	phoro	phoro
	026	02061	019	phoropro	pro
	022	96071	016	pro	pro
	100	01081	026	pro	propr
	917	97061	047	+	pro
	980	9708	021		
	976	9109	031		
	965	9707	028		
	969	9706	037		
	962	9107	019		
	952	9707	016		
	953	9108	007		

OCEAN WEATHER STATION REPORTS at 12h.

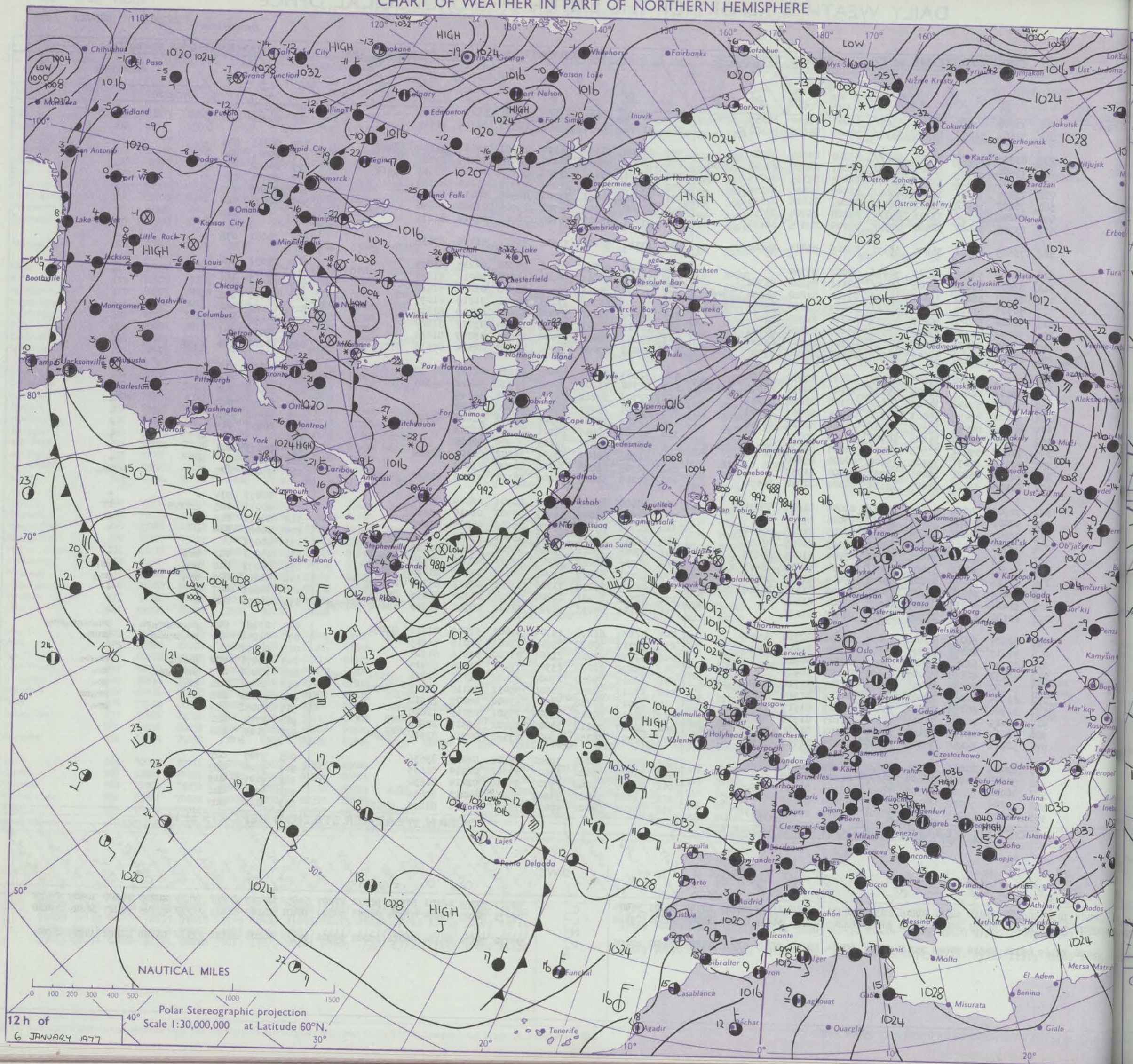
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	06121	71610	98031	30806	61530	00711	/////	/////	00203	10597	30403	36005
	99571	70201	06124	72723	97808	33606	5847/	61209	82815	84646	0//05	10947	30806	29112
	99470	70169	06124	80818	97026	35311	854//	00114	88620	/////	0//10	11203	30602	28905

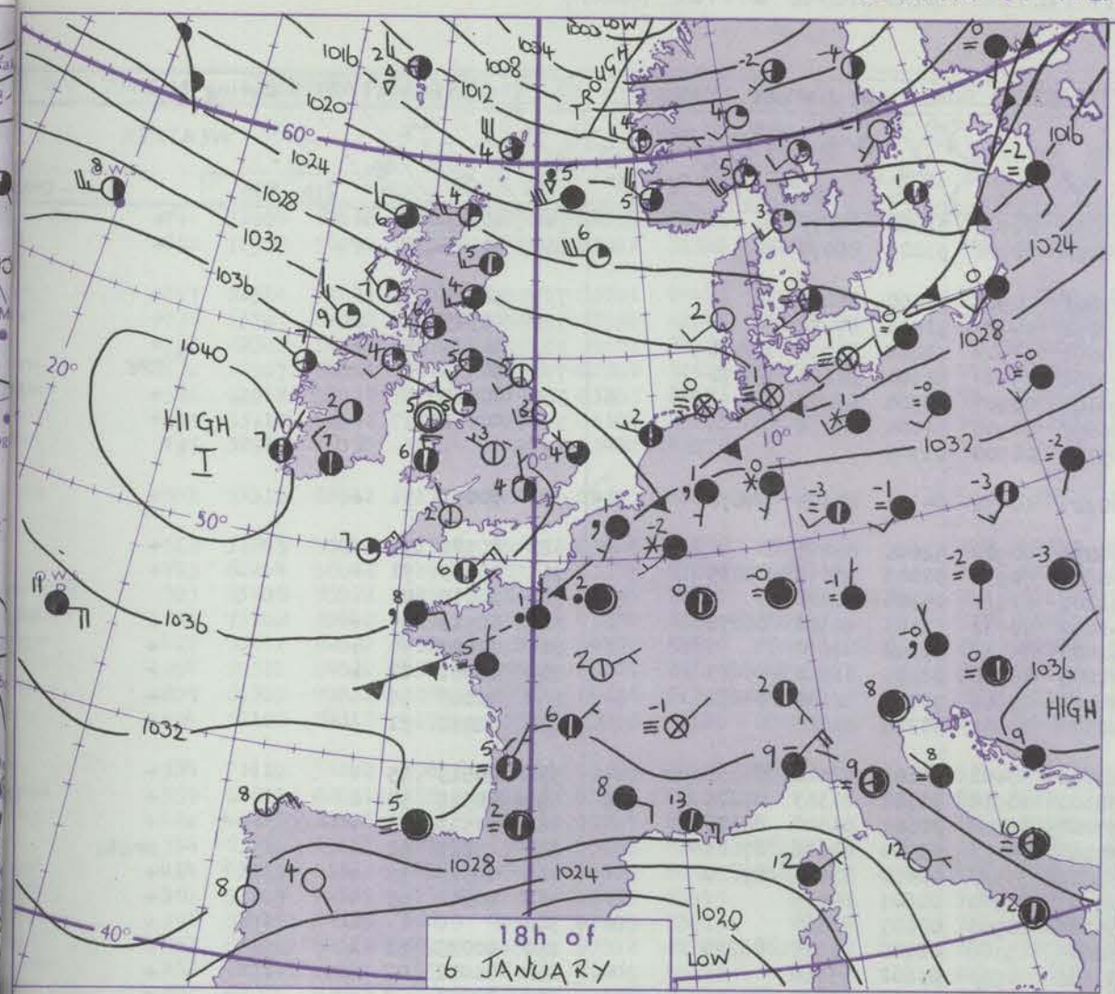
OCEAN WEATHER STATION REPORTS at 18h.

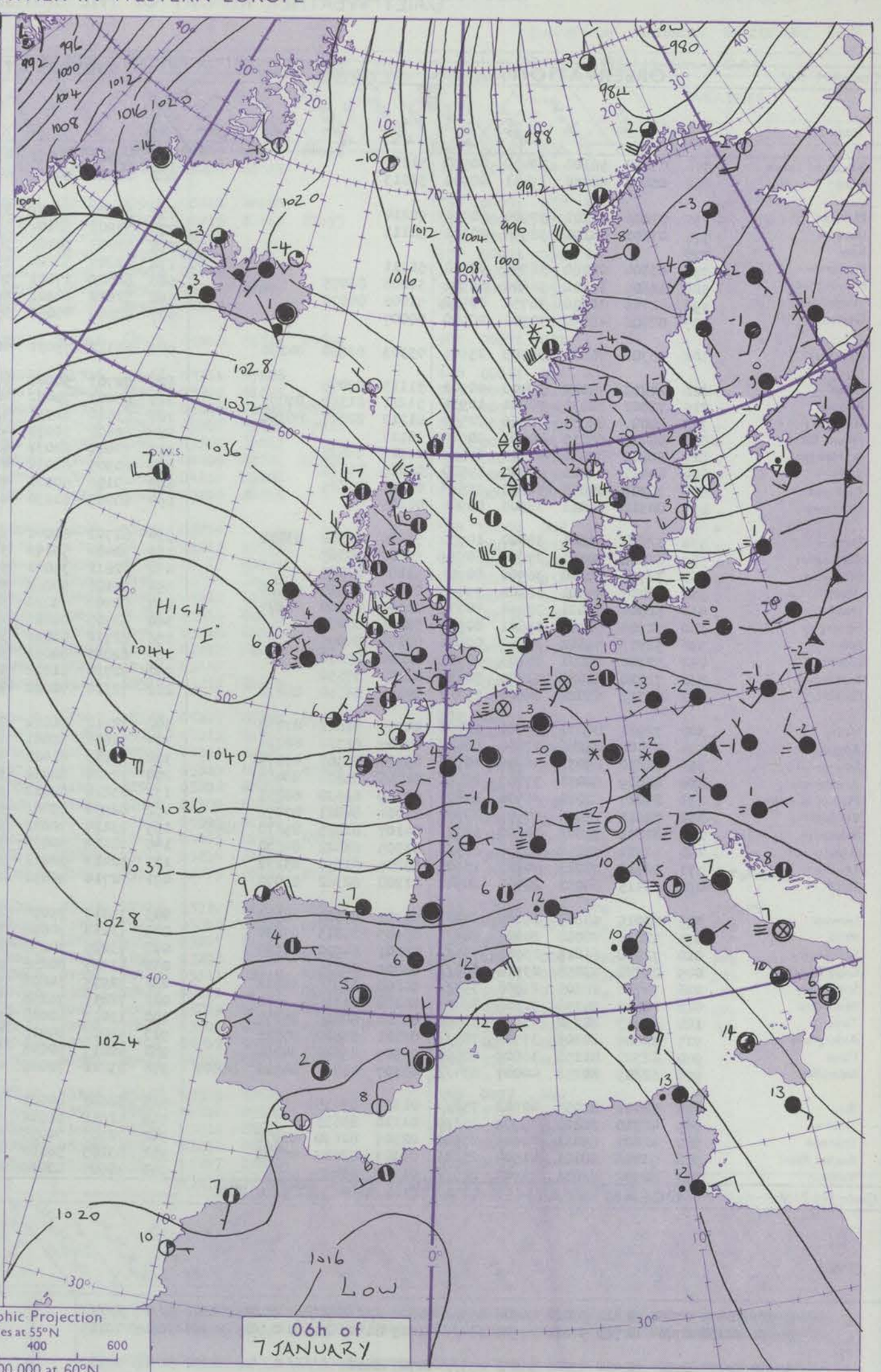
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	06181	81513	98022	27807	6565/	00717	/////	/////	00203	10600	30605	/////
L	99573	70205	06184	42524	98158	34107	38401	61107	82815	/////	0//05	10917	30806	29110
M														
R	99470	70172	06184	80822	97022	34911	855//	00208	88620	/////	0//08	11202	30603	28904

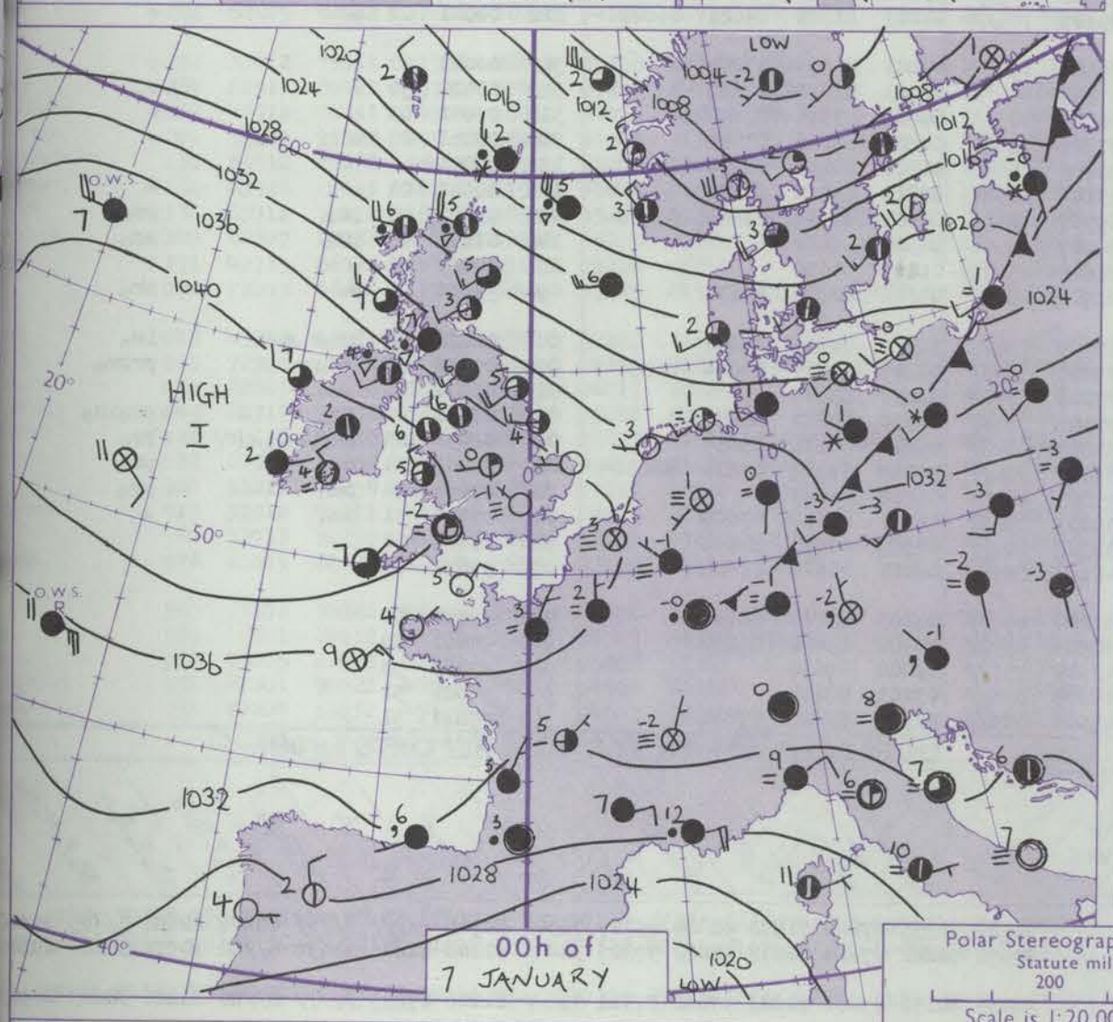
All times of observation printed in this publication are GREENWICH MEAN TIME.

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
6 JANUARY 1977
HIGH
LOW
Chihuahua
El Paso
Midland
San Antonio
Fort Worth
Lake Charles
Jackson
Boothville
Montgomery
Jacksonville
Charleston
Norfolk
Bermuda
Grand Junction
Pueblo
Rapid City
Lodge City
Kansas City
Little Rock
St. Louis
Nashville
Columbus
Pittsburgh
Washington
New York
Caribou
Yarmouth
Sable Island
Stephenville
Gander
Cape Race
Spokane
Calgary
Edmonton
Regina
Winnipeg
Minneapolis
Chicago
Detroit
Ottawa
Montreal
Whitehorse
Watson Lake
Prince George
Fort Nelson
Fort Simpson
Inuvik
Fairbanks
Barrow
Kotzebue
Mys Shmidta
Nižnie Krasty
Čokurdah
Ostrov Zohova
Ostrov Kotel'nyj
Verhojansk
Zyrjanka
Ojmjakon
Ust'-Judoma
Jakutsk
Kiljujsk
Kazač'e
Tiksi
Olenek
Mys Čeljuskin
Jedinenye
Russkoje Ust'je
Malye Karmakuly
Amderma
Dikson
Vize
Aleksandrovsk
Mare-Sale
Tura
Vize
Ust'-Ilma
Murmansk
Arhangel'sk
Ob'jačevo
Kargopol
Vologda
Kotlas
Penza
Moskva
Kamyšin
Smolensk
Minsk
Kiev
Har'kov
Rostov
Bogu
Warszawa
Czestochowa
Odesa
Simferopol
Lvov
Satu Mare
Sulina
Bucuresti
Istanbul
Sofia
Skopje
Athinai
Rodos
Mathoni
Heraklion
Malta
Mersa Matruh
El Adem
Benina
Misurata
Gialo
Tunis
Algier
Oran
Casablanca
Agadir
Tenerife
Funchal
Gibraltar
Lisboa
Madrid
Barcelona
Palma
Mahón
Alicante
Marseille
Nice
Ajaccio
Genova
Milano
Venezia
Ancona
Trieste
Zagreb
Ljubljana
Klagenfurt
Innsbruck
Bern
Dijon
Clermont-Ferrand
Bordeaux
Toulouse
Paris
Cherbourg
Brest
Nantes
Brussels
Köln
Hannover
Berlin
Prahá
Wien
München
Stuttgart
Frankfurt
Hamburg
Bremerhaven
Aalborg
København
Gdańsk
Oslo
Stockholm
Göteborg
Helsinki
Turku
Vaasa
Oulu
Luleå
Östersund
Mordayan
Reykjavik
Thorshavn
Lerwick
Glasgow
Belmullet
Valentia
Holyhead
Manchester
Liverpool
London
Scilly
Aberporth
Galatoq
Ivigtut
Godthab
Frobisher
Resolution
Cape Dyer
Fort Chimo
Churchill
Baker Lake
Coral Harbour
Nottingham Island
Winisk
Moosonee
Port Harrison
Resolute Bay
Arctic Bay
Eureka
Alert
Isachsen
Cambridge Bay
Gjoa Haven
Sachs Harbour
Tuktoyaktuk
Coppermine
Lord Falls
Aputiteq
Angmagssalik
Prins Christian Sund
Narsarssuaq
Stykkisholmur
Keflavik
Jan Mayen
Bear Island
Hopen
Barentsburg
Nordkapp
Vardø
Kap Tobin
Donebora
Thule
Upernavik
Godthab
Narsarssuaq
Lajes
Ponta Delgada
Funchal
Agadir
Casablanca
Tenerife
Quargla
Gialo
Misurata
Malta
Tunis
Algier
Oran







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 7 JANUARY 1977

During the past 24 hours an anticyclone transferred slowly east to 200 miles west of Ireland. Troughs of low pressure moved eastwards in the unstable westerly airstream across Iceland and northern parts of the British Isles. A cold front moved southeast from the Channel into France. During the next 24 hours, the anticyclone is expected to remain stationary and intensify a little. A low is expected to move from southern Greenland to Iceland and the associated warm front is expected to extend to the Shetlands during the period.

Code FM 11.V **OBSERVATIONS at 00h.** 07 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	03102	56100	39450	00900	51110			
Hurn	862	00000	58050	39451	00900	51213			
Manston	797	02806	35101	37500	00900	50214			
Gatwick	776	03401	24101	38550	00900	50111			
Kew	775								
Heathrow	772	03004	00460	38551	00900	51111			
Honington	586	62608	16101	36600	00902	51008	86075		
Wattisham	590	42708	30050	36750	00902	51008	84075		
Gorleston	497	02706	48050	35901	00900	00007			
Aberporth	502	53308	80031	39505	25606	03303	82630	84270	
Filton	628	22803	45040	39400	00901	51113	82075		
Rhoose	715	73002	80031	40001	10931	51211	81362	87075	
Hartland Point	703	60000	82031	40206	22530	01212	82827	86360	
Mount Batten	827	00403	65010	40302	00900	50114			
St. Mawgan	817	60806	82011	40804	655//	01216	86623		
Scilly	804	60411	82021	40707	65500	02216	86623		
Culdrose	809	70209	70032	40803	755//	02216	87625		
Guernsey	894	00310	80011	38905	00900	01215			
Elmdon	534	32604	60041	38400	10932	51306	81362	83070	
Cardington	559	62506	30101	37850	6093/	50112	86365		
Wittering	462	32710	30040	36900	00901	51105	83075		
Watnall	354	72407	35101	36902	754//	02106	85714	87620	
Shawbury	414	62804	68021	38250	20938	51306	82360	86274	
Finningley	360	72705	58101	35801	00906	50206	87275		
Spurn Point	396	52713	56021	35204	00901	02105	85075		
Leeming	257	52102	70031	35105	00902	02210	85070		
Tynemouth	262	72710	81021	33805	7097/	02107	87358		
Carlisle	222	82313	63022	34806	657/7	04206	86650	88272	
Valley	302	72911	80031	39006	11408	04207	81812	87270	
Ringway	334	82406	45041	37804	864//	02209	81712	88714	
Squires Gate	318	72810	65031	36906	40932	05304	84365	87070	
Ronaldsway	204	82919	80031	37707	1541/	04106	81618	88468	
Mull of Galloway	131	83017	82031	36906	15607	05109	81630	88275	
Eskdalemuir	162	72615	75012	35505	48502	01004	84821	87070	
Prestwick	135	82812	70808	34607	6851/	04107	82825	85630	88465
Abbotsinch	140	62511	70258	33306	685/2	03305	83822	84630	
Leuchars	171	52410	80012	30803	15608	00205	81630	85272	
Dyce	091	62415	84031	28305	20942	01208	82362	85070	
Lerwick	005	83015	58688	19002	873//	01211	85707	88710	
Wick	075	72822	70808	24705	784//	03505	85815	87630	
Sule Skerry	010	72930	66818	23707	735//	05001	84920	87625	
Cape Wrath	049	82722	72258	23906	864//	04209	88715		
Stornoway	026	72718	68808	29006	794//	04206	83915	86818	
Benbecula	022	22819	75258	32106	28400	04108	81818		
Tiree	100	62917	80258	33907	38406	04304	82818	85277	
Aldergrove	917	72409	80808	37704	785//	02211	83820	87628	
Malin	980	62721	81258	36607	48508	04309	83820	84280	
Belmullet	976	62809	80258	40007	634//	03307	81718	84920	86640
Birr	965	72402	80031	40902	756//	01307	87635		
Dublin	969	42710	80011	39702	35630	01110	83635		
Shannon	962	42606	65011	41603	25602	02306	82630	83070	
Roches Point	952	73008	58101	41504	25606	02303	82637	87272	
Valentia	953	80702	82031	41902	825//	01307	88825		

OBSERVATIONS at 06h. 07 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	73003	60021	40051	00908	51002	87275		
Hurn	862	60000	50051	40252	00902	53203	86070		
Manston	797	52907	22101	37601	00908	01500	85275		
Gatwick	776	73203	58104	39151	754//	51501	87614		
Kew	775	33003	30101	38651	15501	51202	81620	83070	
Heathrow	772	42805	38104	39051	15504	51301	81622	84070	
Honington	586	82610	17101	36401	00907	00504	88272		
Wattisham	590	72610	28101	36651	00908	51604	87272		
Gorleston	497	02610	40051	35201	00900	01707			
Aberporth	502	43312	75011	40305	10931	04301	81364	84070	
Filton	628	72703	50041	40051	00908	52001	87275		
Rhoose	715	63003	70022	40602	30931	01003	83359	85075	
Hartland Point	703	63610	82031	41206	625//	05304	86820		
Mount Batten	827	60602	60031	41050	20932	51303	82360	86072	
St. Mawgan	817	70000	82031	41403	755//	01102	87620		
Scilly	804	60305	82032	41806	68500	02105	83820	85623	
Culdrose	809	50106	80022	41401	25608	50303	82630	84272	
Guernsey	894	40205	81030	40303	45502	50305	84624		
Elmdon	534	62702	61041	38701	55402	00801	82618	84635	
Cardington	559	72404	59102	38101	10938	01502	81363	87275	
Wittering	462	62812	35041	37202	15608	01602	81640	86275	
Watnall	354	72106	50262	37104	754//	03504	84616	87625	
Shawbury	414	72703	77022	38503	755//	01400	83626	87630	
Finningley	360	42705	60012	35703	00902	02607	84075		
Spurn Point	396	22712	58011	35004	20930	02607	82360		
Leeming	257	62810	80031	34605	15506	02710	81625	86270	
Tynemouth	262	52714	81022	33606	5093/	03602	85360		
Carlisle	222	72310	70022	35305	785//	04201	81820	84625	86647
Valley	302	72912	81022	39406	15638	04001	81635	87270	
Ringway	334	72606	56041	37805	756//	02703	81630	87640	
Squires Gate	318	72913	68022	36906	30938	04804	83365	87272	
Ronaldsway	204	72920	82032	37906	25442	04802	82616	87075	
Mull of Galloway	131	63224	82012	36605	21608	04804	82830	86275	
Eskdalemuir	162	62930	75022	33105	38541	02811	83820	83072	
Prestwick	135	73114	70028	35707	5841/	04303	81716	83818	87465
Abbotsinch	140	22819	80028	34207	28500	04304	82824		
Leuchars	171	32413	82011	31605	15642	01110	81630		
Dyce	091	72714	86031	28906	6853/	02304	82825	86634	
Lerwick	005	73315	75037	23403	784//	52229	84818	85645	
Wick	075	73218	70808	27005	5843/	04217	84814	84630	86359
Sule Skerry	010	43225	74258	27006	33403	03231	83915		
Cape Wrath	049	62723	80256	27307	685//	05330	84820	86625	
Stornoway	026	72914	64808	31807	6843/	05214	84816	85635	
Benbecula	022	72817	75258	34807	784//	06212	81712	84816	86630
Tiree	100	13017	80018	35807	18401	05210	81818		
Aldergrove	917	42006	80018	39003	25602	02206	82630	83080	
Malin	980	62817	80018	38308	685//	05309	83830	84640	
Belmullet	976	83212	70028	41108	885//	04101	81820	88638	
Birr	965	82601	80022	42204	854//	03103	83715	88636	
Dublin	969	72611	81012	40503	55602	02400	85640	86070	
Shannon	962	72705	70035	42704	756//	03000	87630		
Roches Point	952	83205	58102	42805	856//	03201	88634		
Valentia	953	70505	82012	43106	785//	03301	83825	87635	

OBSERVATIONS during NIGHT

Station	iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00513	57	+	+
Hurn	862	00543	57	+	+
Manston	797	91513	55	+	+
Gatwick	776	00543	58	1f	+
Kew	775	00523	56	+	+
Heathrow	772	00533	54	1fFF	FFf
Honington	586	00513	54	+	+
Wattisham	590	00513	57	+	+
Gorleston	497				
Aberporth	502	00051	51	+	+
Filton	628	00523	57	+	+
Rhoose	715	00503	51	+	+
Hartland Point	703	00050	01		
Mount Batten	827	00513	55	+	+
St. Mawgan	817	00020	54	+	+
Scilly	804	00051	02	+	+
Culdrose	809	00003	56	+	+
Guernsey	894	00031	51	+	+
Elmdon	534	00513	55	+	+
Cardington	559	00513	54	+	+
Wittering	462	92513	53	+	+
Watnall	354	97011	51	+	pr_0s_0
Shawbury	414	00513	55	+	+
Finningley	360	00011	55	+	+
Spurn Point	396			+	+
Leeming	257	00033	53	+	+
Tynemouth	262	00051	02	+	+
Carlisle	222	00041	02	+	+
Valley	302	00041	52	+	+
Ringway	334	00021	50	+	+
Squires Gate	318	00051	03	+	+
Ronaldsway	204	00061	03	+	+
Mull of Galloway	131	00051			
Eskdalemuir	162	00041	01	+	+
Prestwick	135	93061	03	pr_0	pr_0
Abbotsinch	140	01051	03	pr_0	pr_0
Leuchars	171	00021	51	+	+
Dyce	091	97031	00	+	pr_0
Lerwick	005	02011	50	$1r_0s_0r_0r_0$	$1r_0$
Wick	075	05032	02	pr_0pr	$prpr_0$
Sule Skerry	010	05042	03		
Cape Wrath	049	03071	04	$1r_0$	pr_01r_0
Stornoway	026	01051	03	$pr_0ph_0r_0pr_0$	pr_0
Benbecula	022	01061	04	pr_0	pr_0
Tiree	100	97061	04	pr_0	pr_0
Aldergrove	917	97021	51	pr_0	+
Malin	980	91061	02		
Belmullet	976	97071	03		
Birr	965	97011	52		
Dublin	969	97011	50		
Shannon	962	97011	53		
Roches Point	952	97021	51		
Valentia	953	97011	51		

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	07001	81612	98022	26606	855//	00608	/////	/////	00205	10609	3//05	/////
L	99570	70200	07004	82723	97012	37907	884//	31215	81815	88640	0//05	10954	30805	29109
M														
R	99469	70173	07004	80924	97022	36011	855//	00705	88623	/////	0//08	11201	30605	28903

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	07061	71511	98284	25207	75500	00708	/////	/////	00206	10601	3//05	15/06
L	99571	70202	07064	72418	98018	39307	3843/	61106	81815	83630	0//02	10922	30804	29107
M														
R	99469	70171	07064	70823	97022	37311	756//	21206	87633	/////	0//06	11200	30605	28903

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

H.M.S.O. Press, Met

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

2051

Date of Issue SATURDAY 8 JANUARY 1977

OBSERVATIONS at 12h. 07 JANUARY 1977

FM 11.V

tion	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hh_s$	$8N_sC_hh_s$	$8N_sC_hh_s$
scombe Down	746	73204	60032	40803	55501	01003	82625	84640	85075
rn	862	72905	56051	41005	10932	03002	81360	87075	
inston	797	52911	50051	38004	00901	02801	85075		
twick	776	63107	64022	39305	15601	02000	81635	86075	
w	775	22303	56051	39004	00901	02801	82075		
athrow	772	32907	58051	39405	15501	02801	81625	83075	
nington	586	62812	50051	37204	00902	03203	86073		
attisham	590	53112	58031	37204	00901	03104	82075	84080	
rleston	497	32910	48050	36204	00901	03400	83075		
erporth	502	53315	82011	41707	58400	05107	82817	83642	
ton	628	32805	57041	40806	15601	03004	81638	83075	
oose	715	62204	58042	41904	684/1	03005	81815	86624	
rtland Point	703	83608	85022	42507	18637	04006	81830	83360	88275
unt Batten	827	73102	30042	42605	28502	03204	81820	87075	
Mawgan	817	70402	82022	43007	584/2	04106	83815	83620	86075
lly	804	70310	84022	43408	55502	04007	85623	85075	
ldrose	809	60302	70012	42807	28502	05106	81825	86072	
ernsey	894	50108	84012	41707	11502	03003	81820	85075	
ndon	534	73110	56042	39606	754//	03205	84614	86624	
rdington	559	62811	62051	38805	00901	03101	86078		
ttering	462	42815	62021	38006	00901	03305	84075		
tnall	354	63010	65031	38107	15401	03105	81616	86080	
awbury	414	63111	81012	39807	654/1	04005	84615	85619	
nningley	360	52809	60051	37307	00901	03207	85075		
urn Point	396	32915	64030	36605	00901	03109	83075		
eming	257	63109	84011	36908	11501	03012	81825	86070	
nemouth	262	42714	69031	35307	00905	03209	84075		
rlisle	222	52609	82012	37608	28441	04109	81715	84075	
lley	302	33012	75011	41708	28402	05208	82815	83075	
ngway	334	62912	60012	39707	65400	03205	82712	86620	
uires Gate	318	42912	70011	39007	18501	05009	81820	84075	
naldsway	204	73120	75012	39907	38432	04007	81713	85075	
ull of Galloway	131	63532	83032	38407	24509	05001	81825	84175	
kdalemuir	162	62928	80011	36306	11501	03214	81824		
estwick	135	63012	75021	38908	38532	05222	81820	83630	85075
bbotsinch	140	62007	82038	37709	48531	05221	83823	84075	
euchars	171	42715	86011	35707	35601	04226	83645		
yce	091	73009	68258	33706	6843/	05225	81710	83712	85818
erwick	005	43209	81021	29503	28432	52123	81818		
Vick	075	72908	80028	32506	3843/	04121	81816	83630	87360
ule Skerry	010	82815	81038	32308	855//	06217	88625		
ape Wrath	049	82717	75038	33107	874//	06218	88715		
tornoway	026	72912	80038	36108	784//	06117	81818	85630	85645
enbecula	022	62913	75258	38307	684//	05219	83816	85628	
iree	100	53213	75258	39208	58401	06217	81710	84630	
ldergrove	917	32912	75011	41006	28441	04005	81710	83075	
talin	980	72713	82258	40808	784//	05110	83818	86640	
elmullet	976	83009	82028	43908	854//	03209	81718	88638	
irr	965	73106	82022	43806	764//	04204	85712	87636	
ublin	969	62611	84012	42206	25432	04307	81718	83070	
hannon	962	73005	82022	44807	756//	03106	87630		
oches Point	952	82801	70022	45006	856//	04108	88632		
alentia	953	80000	82032	45407	856//	04109	88630		

OBSERVATIONS at 18h. 07 JANUARY 1977

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	43208	60011	41303	15501	01109	81625	84075	
862	22906	50101	41403	15601	03008	81639		
797	43110	50051	39003	00901	03212	84080		
776	33004	59011	40304	15401	03215	81615	83075	
775	03005	56050	40204	00900	02212			
772	03005	57051	40505	00900	03212			
586	52909	32102	38902	00902	01215	85073		
590	23213	33050	38604	00901	03213	82075		
497	02908	60021	37705	00900	03212			
502	63512	70011	42606	684/1	05108	81812	85640	
628	73602	70021	41706	755//	03211	87628		
715	12805	64011	42404	15501	03209	81625		
703	80114	76022	42707	885//	05106	81820	88641	
827	73405	50052	42506	785//	05106	81820	87630	
817	30704	70011	43304	22442	03107	82812		
804	70312	82022	43408	785//	04209	82821	86628	
809	50105	65051	43005	58502	04106	85820		
894	40208	80011	41906	42402	03206	84815		
534	03306	58041	41004	00900	03216			
559	32506	40101	40102	00901	01213	83078		
462	33010	60010	39504	00901	02213	83075		
354	22807	56040	39904	00902	03314	82080		
414	23206	75011	41403	15501	03212	81620		
360	12907	50041	39105	00901	03213	81075		
396	22811	64010	38605	10941	03216	81360		
257	32908	84011	38705	11501	02112	81825	83075	
262	02812	69020	38106	00900	03110			
222	22807	81011	39206	18501	03212	81823		
302	73107	70021	42707	785/2	05207	83820	87628	
334	13207	56041	41306	16300	03212	81706		
318	32805	63011	40605	25501	04209	82627		
204	72711	72022	41707	784//	05310	81713	83817	86626
131	33409	83011	41107	32500	05208	83825		
162	32304	81011	38206	22542	01500	82822		
135	43116	75011	39707	38502	05500	81820		
140	42609	81011	38906	18401	04103	81816	83075	
171	12312	86011	36804	15601	03204	81645		
091	72813	75218	35107	755//	03205	83622	87635	
005	83402	62216	28003	1732/	03710	81709	88556	
075	72918	62808	33107	784//	05306	82818	87642	
010	43215	81018	32608	45500	05207	84625		
049	43217	80018	34207	48500	03208	83820	84625	
026	73015	62808	37506	794//	05311	85915	83625	
022	72713	60808	39807	784//	06211	81710	84815	86625
100	73114	75258	40607	784//	05209	82712	84818	87637
917	72806	75031	42504	784//	03309	82710	83816	85622
980	52915	80028	42007	48402	05207	83817	83635	
976	83008	82606	44907	854//	04206	83717	88638	
965	82902	82022	45106	856//	03309	88631		
969	72507	84021	43506	756//	04206	87630		
962	83402	86032	45907	855//	03211	88627		
952	83210	70022	45507	856//	03208	88644		
953	80000	82022	45907	856//	03207	88630		

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00053	024	+	+
862	00073	047	+	jf
797	00051	058	+	+
776	00063	054	+	+
775	00073	060	+	+
772	00071	059	+	+
586	00053	053	+	+
590	00052	057	+	+
497		060		
502	00071	021	+	+
628	00081	046	+	+
715	00071	026	+	+
703	00070	050		
827	00071	035	+	+
817	00081	043	+	+
804	00091	011	+	+
809	00081	032	+	+
894	00081	042	+	+
534	00071	002	+	+
559	00073	051	+	+
462	00071	053	+	+
354	00071	036	+	+
414	00081	012	+	+
360	00081	060	+	+
396			+	+
257	00091	058	+	+
262	00081		+	+
222	00091	038	+	+
302	00091	041	+	+
334	00071	003	+	+
318	00071	037	+	+
204	00081	008	+	+
131	01091			
162	00071	050	+	+
135	00091	018	+	+
140	97091	042	pr$_o$	+
171	00081	020	+	+
091	95071	001	pr$_o$prr$_o$	d$_o$r$_o$r$_o$pr$_o$
005	03051	016	ir$_o$	r$_o$r$_o$rr
075	01071	007	pr$_o$	pr$_o$
010	92081			
049	02072	001	irpr$_o$	pr$_o$
026	01081	012	pr$_o$pr	pr$_o$
022	94081	013	pr$_o$	pr$_o$
100	93091	003	pr$_o$	pr$_o$
917	97071	029	+	d$_o$
980	9209	001		
976	9708	000		
965	0007	000		
969	9707	028		
962	9708	000		
952	0007	000		
953	0008	000		

e FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

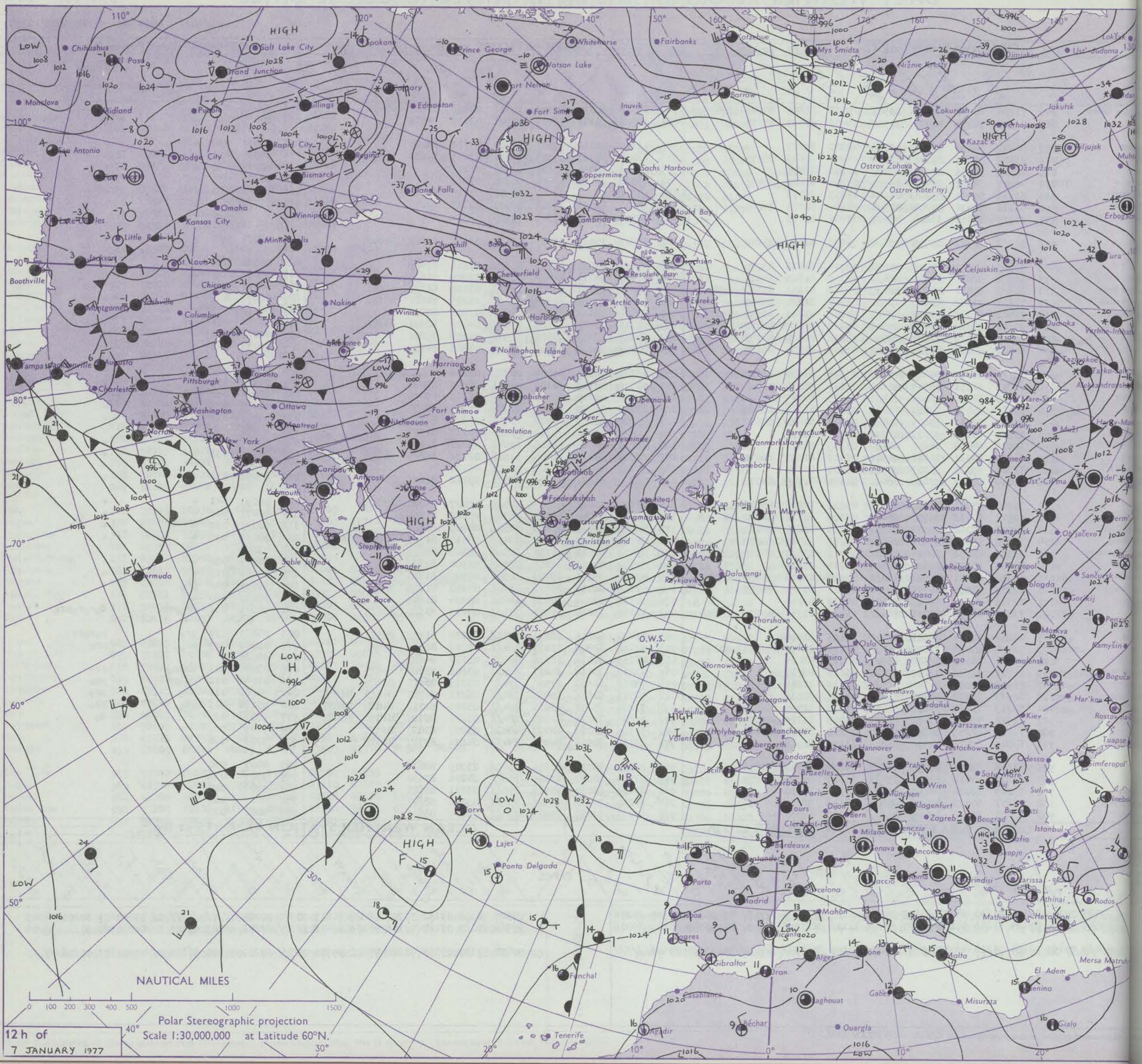
W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	$D_vs_ap_p$	$8N_sC_hh_s$	$8N_sC_hh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
15/06	99527	70355	07121	71610	98022	27607	25570	00214	/////	/////	0//07	10596	30504	24206
29107	99569	70194	07124	52219	98158	41607	58401	31116	82815	83630	0//02	10945	30603	29006
28903	99469	70169	07124	71218	97012	39311	756//	00106	87633	/////	0//05	11134	30606	/////

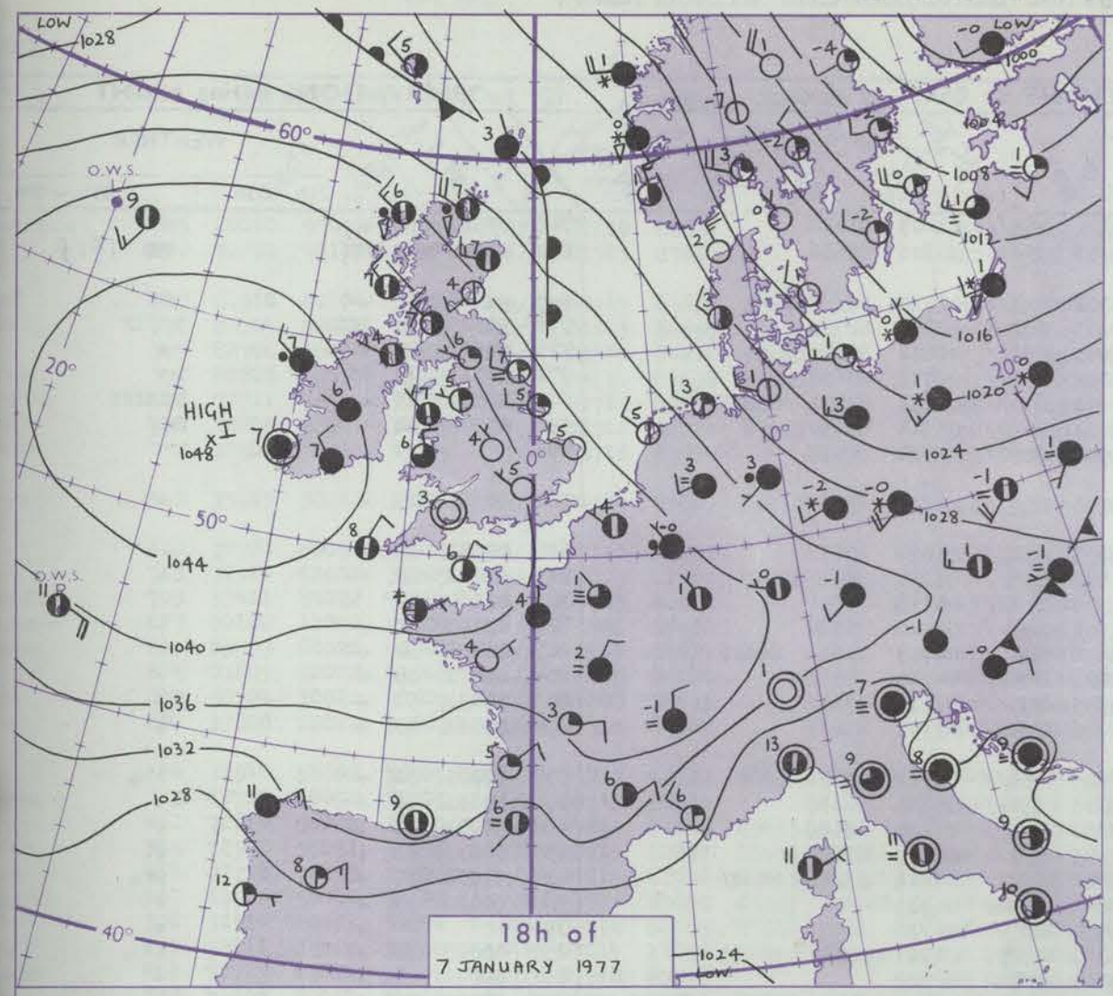
OCEAN WEATHER STATION REPORTS at 18h.

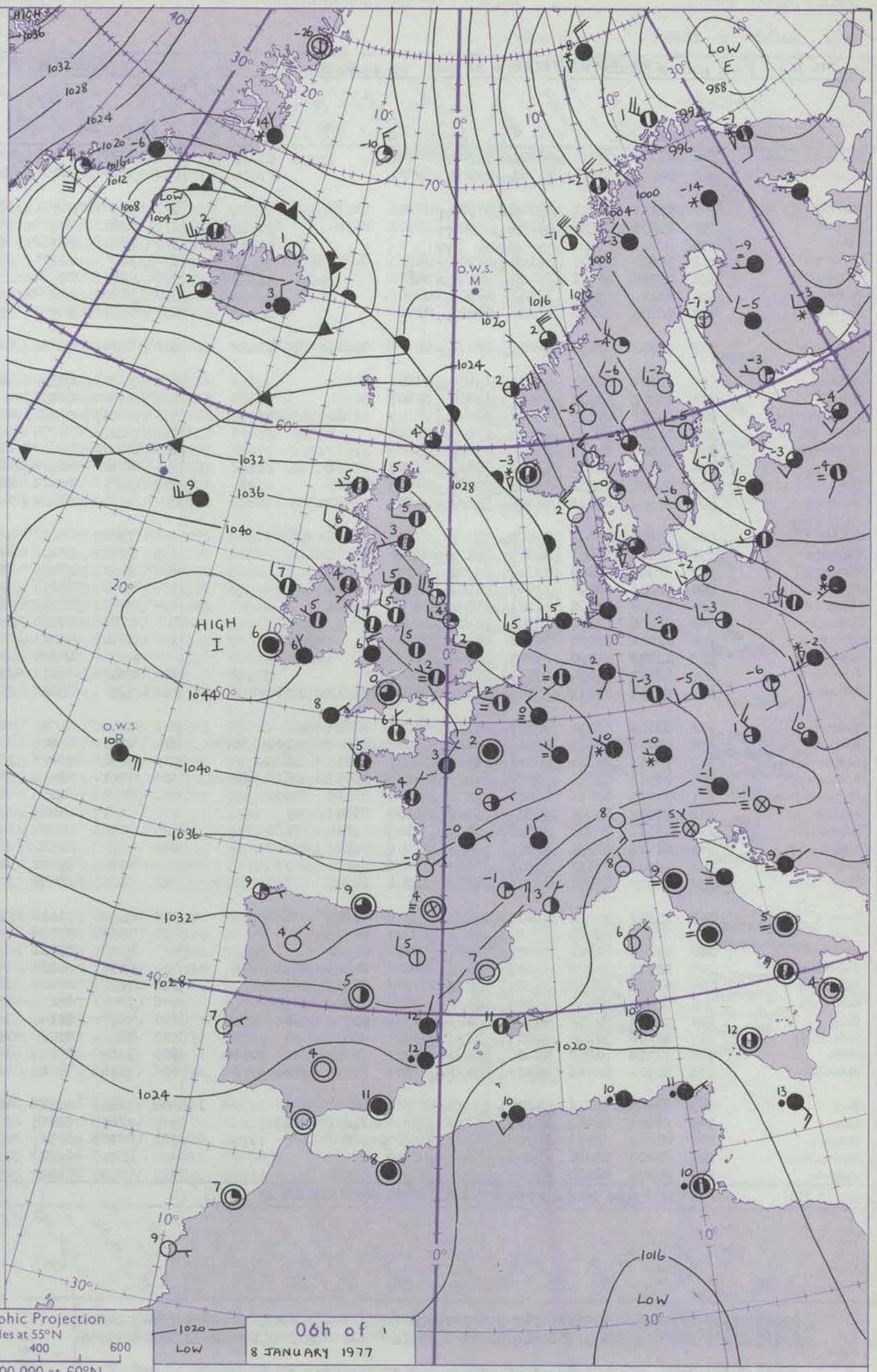
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	$D_vs_ap_p$	$8N_sC_hh_s$	$8N_sC_hh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	07181	71905	98028	30807	70970	00221	/////	/////	0//07	10601	30201	24005
L	99568	70183	07184	72115	97038	41408	783//	22802	82709	83815	0//06	10925	30303	99/05
M														
R	99470	70170	07184	71122	97022	39711	785//	00207	81820	87633	0//07	11173	30606	/////

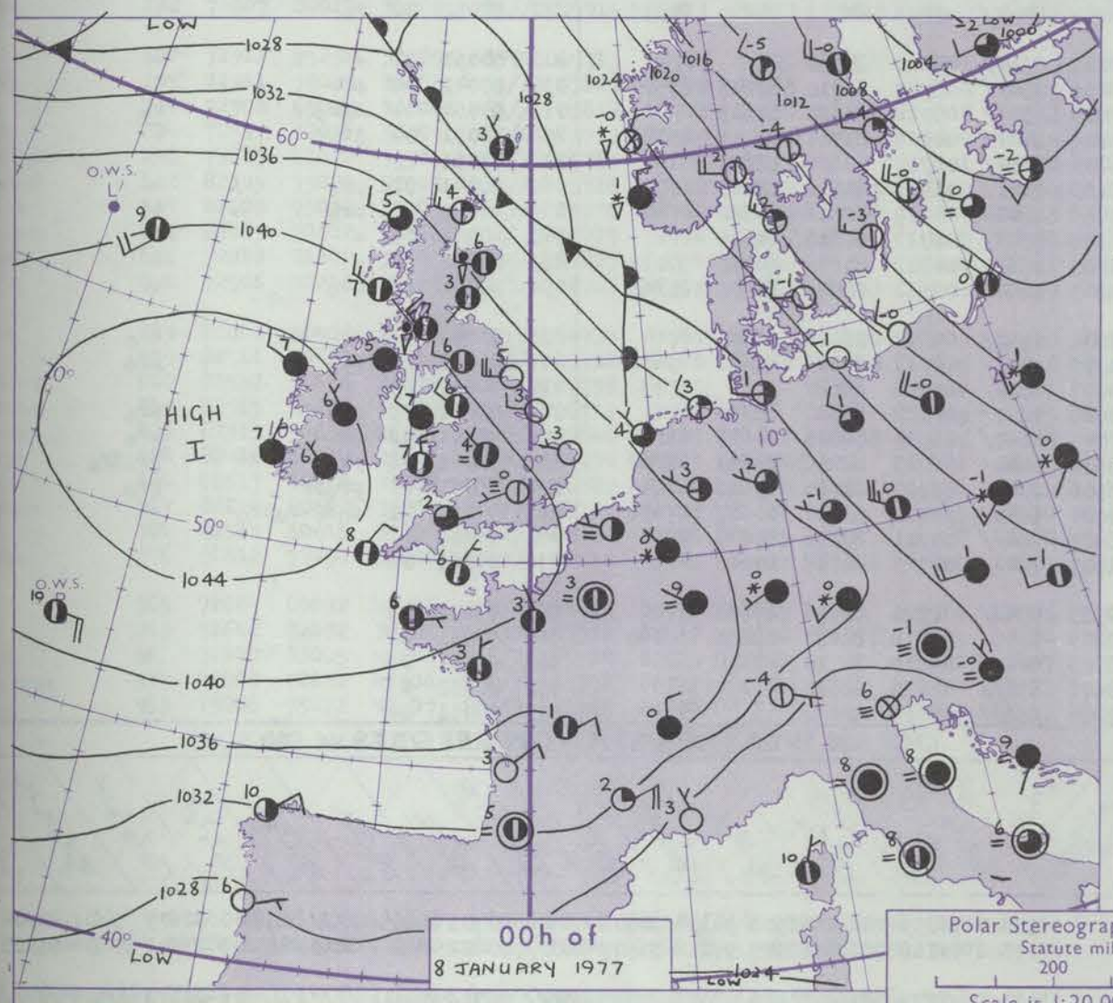
ss. Met. mes of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH
LOW
Chihuahua
El Paso
Salt Lake City
Grand Junction
Spokane
Prince George
Whitehorse
Watson Lake
Fort Nelson
Fairbanks
Kotzebue
Mys Smidta
Nižnie Kresty
Zyrjanka
Dimjaken
Ust'-Udoma
Lokčak
Monclova
Midland
Pueblo
Billings
Calgary
Edmonton
Fort Simpson
Inuvik
Barrow
Čokurdah
Jakutsk
San Antonio
Dodge City
Rapid City
Regina
Bismarck
Fort Smith
Coppermine
Sachs Harbour
Ostrov Zohova
Ostrov Kotel'nyj
Verhojansk
Kazač'e
Oljujsk
Džardžan
Omaha
Kansas City
Winnipeg
Island Falls
Mould Bay
Cambridge Bay
Resolute Bay
Thule
Erbogačen
Lake Charles
Little Rock
Minneapolis
Churchill
Baker Lake
Chesterfield
Arctic Bay
Eureka
Alert
Jackson
St. Louis
Boothville
Chicago
Nakina
Winisk
Coral Harbour
Nottingham Island
Clyde
Mys Čeljuskin
Tiksi
Dudinka
Verhne-Imbatsk
Montgomery
Nashville
Columbus
Detroit
Toronto
Port Harrison
Fort Chimo
Lake Harbour
Pittsburgh
Tampa
Jacksonville
Augusta
Charleston
Washington
Ottawa
Montreal
Norfolk
New York
Caribou
Yarmouth
Antigonish
Nitchequon
Resolution
Cape Dyer
Upernavik
Godthab
Frederikshab
Prins Christian Sund
Julianehåb
Barentsburg
Danmarkshavn
Nord
Hopen
Tazovskoe
Basskaja Gavan'
Mare-Sale
Malye Karmakuly
Muži
Tajko-Sale
Aleksandrovsk
Bermuda
Stephenville
Gander
Cape Race
Sable Island
Thorshavn
Lerwick
Stornoway
Glasgow
Belfast
Holyhead
Valentia
Scilly
Aberporth
Manchester
London
Bruxelles
Cherbourg
Paris
Tours
Dijon
Bern
Hannover
Kiev
Praha
Wien
München
Klagenfurt
Zagreb
Beograd
Milano
Venezia
Genova
Ancona
Roma
Napoli
Bari
Brindisi
Sofia
Istanbul
Skopje
Larissa
Athinai
Rodos
Heraklion
Mathani
Bordeaux
Toulouse
Perpignan
Barcelona
Porto
Lisboa
Madrid
Mahón
Alicante
Gibraltar
Alger
Oran
Malta
Tunis
Sfax
Gabès
Misurata
El Adem
Mersa Matruh
Benina
Gialo
Casablanca
Agadir
Tenerife
Funchal
Lajes
Ponta Delgada
Jan Mayen
Reykjavik
Keflavik
Vaagsö
Tromsø
Murmansk
Arhangel'sk
Oboljaevo
Vologda
Gorkij
Penza
Kamyšin
Bogučar
Har'kov
Rostov-na-Donu
Taganrog
Tuapse
Simferopol'
Sulina
Odessa
Saturn Mare
Constanta
Sevastopol'
Kazan'
Moskva
Minsk
Smolensk
Kursk
Kaliningrad
Gdańsk
Warszawa
Częstochowa
Lodz
Wroclaw
Berlin
Hamburg
Bremen
Amsterdam
Ostersund
Vaasa
Oslo
Stockholm
Helsinki
Vyborg
Leningrad
Pskov
Riga
Mys Kanin
Ust'-Cil'ma
Pečora
Ukhta
Sosnogorsk
Ukhta
Ivdel'
Karpogory
Sančursk
Kotlas
Ust'-Vym
Ust'-Kulom
Syktyvkar
Kirov
Perm'
Ob'jačevo
Ufa
Orenburg
Kuybyshev
Saratov
Volgograd
Astrakhan'
Uralsk
Aktjubinsk
Guryev
Fort Shevchenko
Kara-Bogaz-Gol
Krasnovodsk
Nebit-Dag
Ašchabad
Mary
Kerki
Termez
Dušanbe
Leninabad
Frunze
Alma-Ata
Semipalatinsk
Barnaul
Novosibirsk
Tomsk
Omsk
Tjumen'
Tobolsk
Surgut
Berezovo
Salehard
Dikson
Hatanga
Tura
Erbogačen
Olenek
Jakutsk
Oljujsk
Verhojansk
Ust'-Udoma
Lokčak
Nižnie Kresty
Zyrjanka
Dimjaken
Čokurdah
Ostrov Zohova
Ostrov Kotel'nyj
Kazač'e
Džardžan
Mys Čeljuskin
Tiksi
Dudinka
Verhne-Imbatsk
Basskaja Gavan'
Mare-Sale
Malye Karmakuly
Muži
Tajko-Sale
Aleksandrovsk
Barentsburg
Danmarkshavn
Nord
Hopen
Tazovskoe







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 8 JANUARY 1977

During the past 24 hours the anticyclone to the southwest of Ireland has remained almost stationary and intensified a little. A weak warm front wave moved southeastwards into the North Sea, and a new depression developed slowly in the Denmark Strait. During the next 24 hours the anticyclone is expected to move slowly southwest and to decline a little. A developing low is expected to form near east Iceland, and to move southeast into the northern North Sea, absorbing the low in the Denmark Strait into the trough extending northwestwards from the North Sea. The northwesterly airstream over the British Isles is expected to become more showery, and colder.

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

Code FM 11.V

OBSERVATIONS at 00h. 08 JANUARY 1977

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	03005	50050	41901	00900	00000			
Hurn	862	00000	10284	41951	00900	52501			
Manston	797	13110	35101	39303	00901	02706	81078		
Gatwick	776	23201	25280	41051	00901	51302	82080		
Kew	775								
Heathrow	772	12604	09410	41100	00901	00303	81075		
Honington	586	02706	20101	39100	00900	00302			
Wattisham	590	03112	45050	39103	00900	02602			
Gorleston	497	02805	62020	38203	00900	02400			
Aberporth	502	73513	63052	42407	784//	06808	81812	87630	
Filton	628	12604	62021	41703	15600	01801	81635		
Rhoose	715	13203	62031	42402	15600	02607	81630		
Hartland Point	703	70308	87022	43007	785//	05802	81820	87634	
Mount Batten	827	00706	56051	42603	00900	02604			
St. Mawgan	817	70506	80021	43205	754//	03505	87617		
Scilly	804	70311	82021	43408	755//	03707	87628		
Culdrose	809	70208	65051	43105	755//	04704	87625		
Guernsey	894	70307	81021	41906	755//	03804	87620		
Elmdon	534	73107	45101	40904	753//	03803	83708	86617	
Cardington	559	72104	35101	40502	762//	02000	87703		
Wittering	462	22910	35100	39702	00901	01804	82075		
Watnall	354	12806	56040	39604	00901	03808	81080		
Shawbury	414	52707	68031	41101	55500	01605	85621		
Finningley	360	02805	56040	38703	00900	02808			
Spurn Point	396	02812	57020	38303	00900	02807			
Leeming	257	03202	84020	38304	00900	01613			
Tynemouth	262	02817	69020	37705	00900	03609			
Carlisle	222	72809	80011	39106	754//	04807	81715	87637	
Valley	302	83012	68012	42407	855//	05808	88627		
Ringway	334	82406	45041	40905	862//	03608	81704	83706	88708
Squires Gate	318	73011	65021	40306	754//	06607	81710	87635	
Ronaldsway	204	72913	70026	41407	754//	04608	81713	83617	87634
Mull of Galloway	131	73315	80016	41006	785//	06504	83825	87630	
Eskdalemuir	162	72607	75801	38805	724//	01506	87817		
Prestwick	135	73116	70808	39507	784//	04705	84814	87630	
Abbotsinch	140	61604	80031	38705	684//	03506	81816	86622	
Leuchars	171	72202	84031	36603	15602	01606	81630	87075	
Dyce	091	72709	80808	35006	4853/	02801	82825	83627	86360
Lerwick	005	73307	75022	29403	755//	02308	81625	87650	
Wick	075	32813	80018	33404	28430	03000	82815		
Sule Skerry	010	43221	81011	33208	42500	06702	84820		
Cape Wrath	049	73217	80808	34307	784//	04400	84815	87620	
Stornoway	026	62809	80038	36905	2843/	04706	81818	86365	
Benbecula	022	62813	82038	39106	684//	05809	82818	85635	
Tiree	100	73014	80258	40007	784//	05708	81710	83818	86637
Aldergrove	917	82506	70205	42505	855//	03707	88626		
Malin	980	72918	70258	42007	784//	04703	85819		
Belmullet	976	82911	81026	44507	854//	02603	83718	88640	
Birr	965	83204	80022	44806	855//	02707	88628		
Dublin	969	82807	80025	43305	855//	03809	81622	88630	
Shannon	962	83204	82022	45306	855//	03808	88626		
Roches Point	952	83107	70022	45306	856//	02706	88645		
Valentia	953	80104	82022	45807	856//	03605	88630		

OBSERVATIONS at 06h. 08 JANUARY 1977

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	73002	56101	40201	755//	01809	87628		
Hurn	862	50000	16104	40653	55600	53806	85636		
Manston	797	92908	02431	38102	9////	02710	89///		
Gatwick	776	62503	14104	39103	66200	03811	86703		
Kew	775	72502	40052	38603	756//	02812	87640		
Heathrow	772	72806	40101	39102	756//	02712	87638		
Honington	586	82809	20284	36601	850//	01814	82701	88625	
Wattisham	590	32609	15284	36701	35600	01814	83630		
Gorleston	497	82808	50051	35902	8092/	01714	88458		
Aberporth	502	83315	80012	40506	856//	01818	88630		
Filton	628	72503	60051	39803	756//	01814	87636		
Rhoose	715	83005	60051	40502	855//	01814	88620		
Hartland Point	703	83615	87022	41307	856//	04718	88641		
Mount Batten	827	63102	60051	41301	655//	00710	86628		
St. Mawgan	817	80000	70032	41606	854//	04713	83712	88616	
Scilly	804	80406	81022	42408	855//	04710	88628		
Culdrose	809	70202	68021	41905	755//	03712	87622		
Guernsey	894	73506	80022	41106	754//	03707	87617		
Elmdon	534	73009	68022	38805	755//	03712	87624		
Cardington	559	82707	35102	38303	856//	03815	88638		
Wittering	462	82709	35104	37603	855//	03816	88628		
Watnall	354	42705	65011	37405	45500	03815	83622		
Shawbury	414	72911	80012	38706	754//	02816	83618	87626	
Finningley	360	02708	57040	36602	00900	01715			
Spurn Point	396	22815	62011	35904	00901	02716	82075		
Leeming	257	42509	84030	36003	15601	01717	81640	84075	
Tynemouth	262	02814	80011	35504	00900	02822			
Carlisle	222	72711	80016	36905	754//	03818	82712	84620	85635
Valley	302	72910	80012	40107	756//	04819	87630		
Ringway	334	73109	60205	38606	754//	03717	83710	85615	87625
Squires Gate	318	72908	70216	38105	755//	05718	82620	87635	
Ronaldsway	204	72914	82032	38506	784//	04818	81711	84815	86650
Mull of Galloway	131	83216	80035	38106	885//	05717	82825	88630	
Eskdalemuir	162	72607	81028	36105	784//	01716	85818	83645	
Prestwick	135	72911	75028	37206	7843/	04719	82816	86622	
Abbotsinch	140	72505	82022	36105	754//	03717	81618	84622	
Leuchars	171	72405	84022	34803	35632	00812	83630	84360	87075
Dyce	091	72710	80038	32905	38572	02612	81825	83635	85360
Lerwick	005	63104	75012	27704	655//	02712	83626	86650	
Wick	075	72912	75158	31305	6843/	04717	82713	83818	85630
Sule Skerry	010	83215	81031	30707	855//	06722	88620		
Cape Wrath	049	82715	80038	31706	4557/	05822	84620	88360	
Stornoway	026	72506	80258	33405	4847/	05724	81815	84635	87362
Benbecula	022	72513	82258	35406	5843/	06723	82816	85635	87362
Tiree	100	72910	80158	36906	784//	05720	81710	83816	87645
Aldergrove	917	72106	82028	39704	784//	03720	81710	83817	87656
Malin	980	72616	80258	38807	784//	05721	82818	87645	
Belmullet	976	72911	80015	41507	754//	04723	82718	87640	
Birr	965	72806	70026	42905	754//	02720	82716	87631	
Dublin	969	72808	82025	41003	5553/	03718	83620	83630	86360
Shannon	962	83105	80505	43305	864//	04719	84719	88628	
Roches Point	952	83203	70022	43606	856//	02718	88630		
Valentia	953	80000	82022	44206	856//	03715	88630		

OBSERVATIONS during NIGHT

Station	iii	$RRT_n T_n E$	$T_g T_g$	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00513	56	+	+
Hurn	862	00543	57	ifff	~~ff~~ ifif
Manston	797	92011	51	+	ff
Gatwick	776	91523	57	iff	ffif
Kew	775	00511	55	+	+
Heathrow	772	00511	53	if	+
Honington	586	92501	53	◆ F	fifff
Wattisham	590	00502	52	+	ff
Gorleston	497				
Aberporth	502	00061	05	+	+
Filton	628	00501	55	+	+
Rhoose	715	91011	52	+	+
Hartland Point	703	00060	04		
Mount Batten	827	00001	54	+	+
St. Mawgan	817	00051	50	+	+
Scilly	804	00071	05	+	+
Culdrose	809	00031	52	+	+
Guernsey	894	00061	03	+	+
Elmdon	534	97021	51	+	ir_o
Cardington	559	00511	56	+	+
Wittering	462	91001	52	if	+
Watnall	354	00031	51	+	+
Shawbury	414	97501	54	+	pr_o
Finningley	360	00023	53	+	+
Spurn Point	396			+	+
Leeming	257	00023	53	+	+
Tynemouth	262	00031	01	+	+
Carlisle	222	97051	02	r_o	+
Valley	302	00051	02	+	+
Ringway	334	97041	02	d_o	d_o
Squires Gate	318	97051	04	$d_o r_o$	r_o
Ronaldsway	204	97051	04	ir_o	+
Mull of Galloway	131	01051			
Eskdalemuir	162	97041	02	pr_o	+
Prestwick	135	97061	04	pr_o	+
Abbotsinch	140	00051	01	+	+
Leuchars	171	00021	52	+	+
Dyce	091	97051	02	pr_o	+
Lerwick	005	01032	50	+	ir_o
Wick	075	95031	01	pr_o	pr_o
Sule Skerry	010	92062	05		
Cape Wrath	049	01062	05	pr_o	pr_o
Stornoway	026	95041	02	pr	pr_o
Benbecula	022	92061	03	pr_o	$pr_o ir_o$
Tiree	100	96051	03	$pr_o pr$	pr_o
Aldergrove	917	94031	01	$d_o d_o$-$r_o pr_o$	+
Malin	980	96061	02		
Belmullet	976	97061	05		
Birr	965	97041	01		
Dublin	969	97031	02		
Shannon	962	97051	03		
Roches Point	952	00051	03		
Valentia	953	00051	04		

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	08001	61607	98012	34206	60930	00207	/////	/////	0//06	10609	3//02	24/04
L	99567	70175	08004	72221	97258	40109	784//	21811	81815	87635	0//07	10953	30504	99/05
M														
R	99470	70171	08004	70920	97022	40710	75600	00102	87633	/////	0//06	11174	30606	/////

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	08061	01506	94104	34706	00900	00503	/////	/////	0//06	10605	3//01	24/04
L	99566	70168	08064	82425	97218	36909	883//	00822	84708	88630	0//09	10943	30504	99/05
M														
R	99470	70170	08064	80926	97022	39510	856//	00712	88633	/////	0//06	11173	30708	/////

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

H.M.S.O. Press, Met

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

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Date of Issue SUNDAY 9 JANUARY 1977

FM 11.V

OBSERVATIONS at 12h. 08 JANUARY 1977

ion	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
ombe Down	746	80000	57052	38303	855//	02810	88626		
n	862	72602	40102	38803	756//	03713	87640		
iston	797	82910	40104	35304	856//	04715	85630	88645	
wick	776	82804	62024	36904	856//	03813	88635		
	775	82706	58052	36605	856//	03810	81630	88640	
throw	772	82808	60032	37005	856//	03711	83630	88640	
iington	586	72711	50052	34704	756//	03712	87633		
tisham	590	72808	58801	34705	785//	03712	82824	87638	
leston	497	72908	56022	33705	755//	03716	87625		
rporth	502	73215	80012	39006	784//	04710	85818	86630	
n	628	72704	60052	38305	756//	02710	87638		
se	715	72910	62602	39205	6543/	03709	81710	84622	86635
land Point	703	83411	85022	40507	856//	01705	88640		
nt Batten	827	80102	11042	40104	856//	03808	88630		
Mawgan	817	83509	88022	40706	854//	02807	88617		
y	804	83605	82022	41508	855//	05805	88626		
lrose	809	83304	70022	40607	855//	04808	88623		
rnsey	894	73206	82022	39807	755//	02713	87625		
don	534	72910	58602	36905	754//	03711	83612	84630	87650
dington	559	82710	60052	36205	856//	04713	88635		
tering	462	72810	56042	35405	754//	04814	81618	87633	
nall	354	72908	58051	35106	48471	03717	82817	83635	85360
wbury	414	72710	78258	36906	784//	04715	82710	85817	87630
ingley	360	62908	50041	34506	35742	03815	83650	83365	85072
n Point	396	72914	60031	34204	6567/	02714	86635	87360	
ning	257	72811	89021	33606	55641	03814	81630	85656	85075
emouth	262	72717	66021	33205	7097/	03718	87358		
isle	222	72607	80022	34506	784//	05714	81713	83622	87633
ey	302	72912	75252	38307	68372	05713	81709	84812	86622
way	334	72911	58025	36506	753//	03815	85708	87635	
res Gate	318	72908	65026	36106	783//	05814	81708	87630	
aldsway	204	72817	82032	36907	763/6	05713	81709	83711	86715
of Galloway	131	73015	81022	35906	3857/	05714	82825	87460	
dalemuir	162	82305	75022	33505	884//	03716	83712	83820	88645
twick	135	82608	75032	33907	7543/	05720	81712	85620	87630
otsinch	140	82409	70602	32806	854//	05719	82714	86620	88645
chars	171	72210	81022	31105	7567/	03825	82640	87656	
e	091	72506	80212	29106	3547/	02726	81715	83640	87357
wick	005	82608	50508	22605	5827/	04734	83704	85635	88460
k	075	82511	80618	26406	6567/	05732	81640	86656	88460
Skerry	010	82512	58636	24708	874//	07738	88715		
e Wrath	049	82315	65608	25307	874//	06732	88715		
rnoway	026	82315	57638	26807	6532/	07840	82706	86612	88458
becula	022	82416	30598	29608	862//	08734	84704	88707	
e	100	82617	40588	32208	7522/	08729	83704	84708	87615
ergrove	917	82210	80602	36705	853//	04717	84707	88616	
in	980	82517	60618	34808	4632/	07722	84706	88459	
nullet	976	62812	78256	39008	5343/	06716	83717	83637	81920
	965	72604	80032	40706	764//	05711	85713	87635	
lin	969	72612	82032	38905	6643/	03712	83712	85640	86359
nnon	962	72609	83025	41607	785/2	05710	82820	87630	
hes Point	952	82807	70022	41906	854//	04812	81712	88630	
ntia	953	73206	75022	42907	68532	02708	85820		

OBSERVATIONS at 18h. 08 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	72905	60022	33803	755//	02719	85620	87632	
862	73005	56102	34304	756//	03719	87643		
797	82807	57052	31504	854//	03717	81712	88642	
776	82509	60022	32604	855//	03718	88628		
775	82706	58052	32505	856//	03718	88638		
772	72906	60022	32805	756//	03718	83635	87645	
586	82508	19102	30604	855//	03725	86626	88645	
590	82408	30108	30603	856//	03722	88638		
497	82706	50022	30304	8097/	03720	88360		
502	83012	80028	34306	884//	04721	86817	88632	
628	72811	58042	33705	756//	03718	87634		
715	82908	80026	34505	855//	04718	88627		
703	83308	82028	36005	854//	04716	82710	88635	
827	83405	57042	36306	885//	03613	82824	88636	
817	73512	82805	36506	784//	03715	82813	87618	
804	83411	82022	38207	885//	03712	82823	88626	
809	83006	68022	37305	855//	05711	88622		
894	83310	82032	36406	885//	01712	83822	88625	
534	82505	63036	32005	854//	03723	86616	87621	
559	82510	62022	32105	854//	04621	86613	88620	
462	72710	56042	30705	755//	04722	85620	87640	
354	82711	57052	30306	853//	04724	83708	88612	
414	72706	80028	32005	754//	04621	87616		
360	82606	61012	29006	854//	04828	82712	83615	88650
396	82510	56032	29405	1567/	03729	81630	88457	
257	72610	75022	28106	1557/	04726	81620	87362	
262	82708	69606	26906	8097/	05730	88358		
222	82616	60216	27506	853//	06732	84706	86710	88618
302	82717	80028	32907	854//	05723	83710	88612	
334	82709	50586	31405	852//	04722	83705	85708	88620
318	82611	65615	30406	854//	05724	85710	88618	
204	82614	60636	30607	873//	06730	81706	85710	88715
131	82720	80606	29207	856//	07732	88630		
162	81605	18516	26605	870//	04733	83701	88708	
135	82613	62616	27108	853//	07732	82707	85711	86618
140	82314	65216	25108	854//	07735	81710	85714	88622
171	72412	62026	22906	48432	05743	81710	84630	87070
091	42407	80016	20106	35502	03747	82625		
005	12920	80256	11907	13400	05650	81912		
075	72816	75256	17607	784//	06728	83818	86645	
010	83221	66636	17307	874//	07721	88715		
049	72715	80818	18207	784//	05716	84815	87620	
026	53117	70805	20807	58300	06620	82708	84816	
022	82715	57586	23307	852//	07731	83705	86710	88622
100	82719	60506	25109	852//	08731	81703	84708	86712
917	82410	65026	30707	863//	05723	84707	88710	
980	82520	56586	28808	6622/	08725	86705	88458	
976	82817	60588	33509	864//	08724	86716	88635	
965	82506	80032	35206	864//	05821	86716	87635	
969	82514	80032	32806	5547/	04724	82715	85640	85460
962	82407	70505	36506	854//	05720	82717	85622	88630
952	72712	75025	37506	756//	04815	87630		
953	83010	80505	38108	856//	04721	88633		

OBSERVATIONS during DAY

iii	RRT T E x x	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00041	000	+	+
862	00051	000	+	+
797	00041	000	+	+
776	00051	000	+	+
775	00061	000	+	+
772	97061	000	+	r_o
586	00051	000	+	+
590	97052	000	pr_o	+
497				
502	97061	000	+	pr_oid_o
628	00061	001	+	+
715	97061	000	ir_od_o-r_o	r_od_o
703	91071	000		
827	97061	000	+	$r_od_or_o$
817	97071	000	+	$id_opr_oir_o$
804	00081	000	+	+
809	97071	000	+	ir_o
894	00071	000	+	+
534	91061	000	$ir_or_or_od_or_od_o$	d_oir_o
559	97061	000	+	ir_o
462	00061	000	+	+
354	97071	010	+	r_o
414	92061	002	pr_o	+
360	94071	005	+	r_or_o
396			+	ir_o-r_or_o
257	00071	017	+	+
262	93071		+	ir_o
222	93071	000	ir_o	r_or_o-$r_od_or_o$
302	91081	001	pr_o	$ir_or_or_o$
334	95071	000	d_or_o	$d_or_od_or_or_or_o$
318	01071	000	$r_od_or_od_o$	$d_or_or_or_od_or_o$
204	02081	000	r_or_o	rrr_or_o
131	95071			
162	02071	000	$r_od_or_od_or_o$	$r_od_od_o$
135	01081	000	ir_o	$ir_or_or_o$
140	91091	000	$r_or_od_or_o$	$d_or_od_or_o$
171	02071	000	r_or_o	+
091	03061	000	ir_or	rr_o
005	06072	000	$pr_od_or_or_or_o$	$r_or_orrd_or_opr_o$
075	02081	000	r_or_o	$r_or_oid_or_opr_o$
010	05082			
049	09082	000	pr_oir_oFF	$ir_oFFprpr_o$
026	06091	000	$r_orrd_or_od_or_o$	id_oprpr_o
022	04091	000	$r_or_odddrDR$	$d_od_od_or_orrr_o$
100	03091	000	$pr_odrr_or_o$	r_or_odrpr
917	91071	000	r_o	r_oir_o
980	0209	000		
976	9309	004		
965	0007	005		
969	0006	004		
962	9708	002		
952	9707	001		
953	9709	006		

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OCEAN WEATHER STATION REPORTS at 12h.

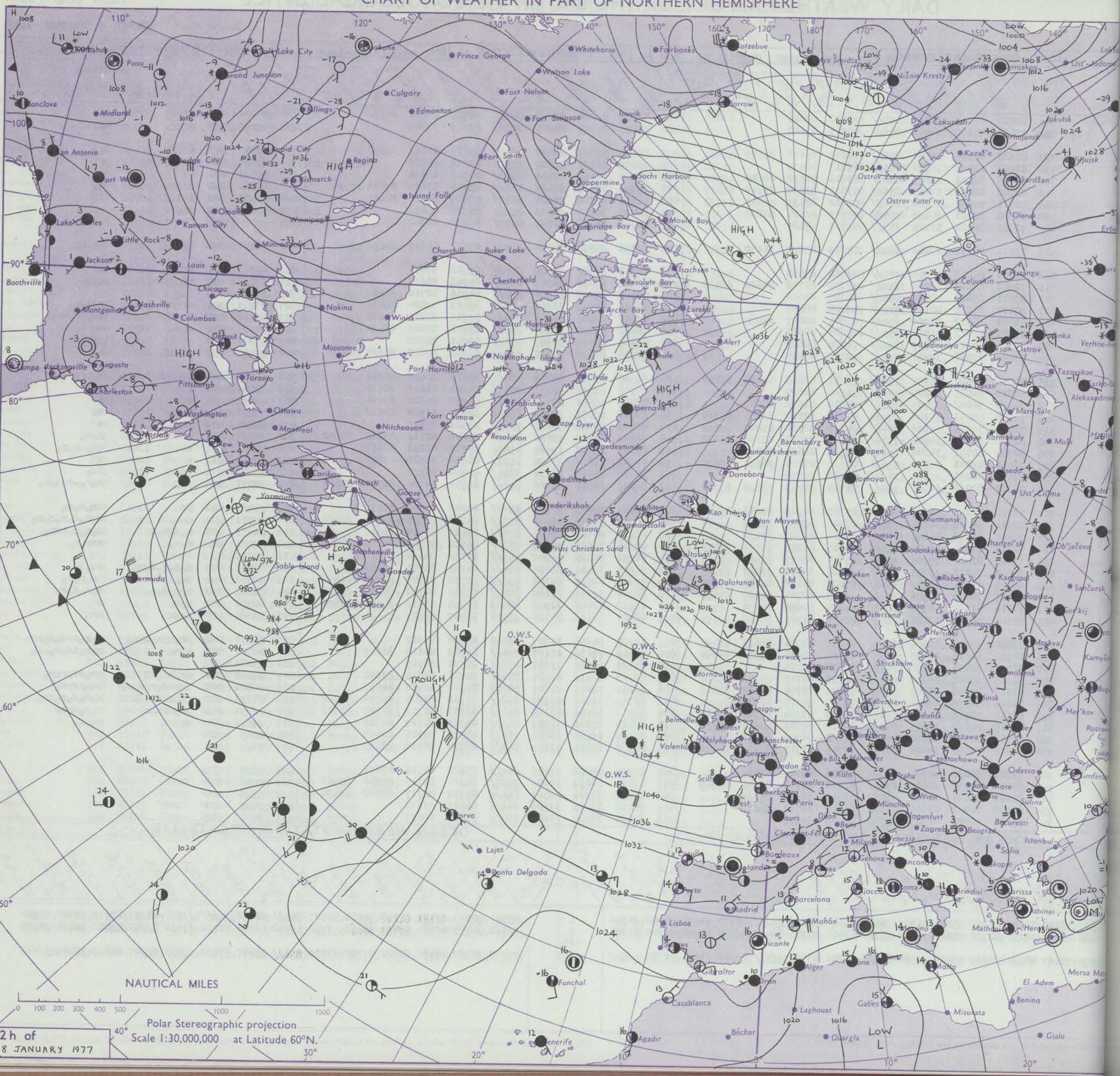
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	08121	71206	97284	36307	76300	00117	/////	/////	00207	10591	30302	24904
	99566	70169	08124	82720	97026	34409	6632/	61606	85706	88459	0//08	10998	30805	24904
	99470	70167	08124	80819	97022	39710	856//	00102	88640	/////	0//06	11166	30709	/////

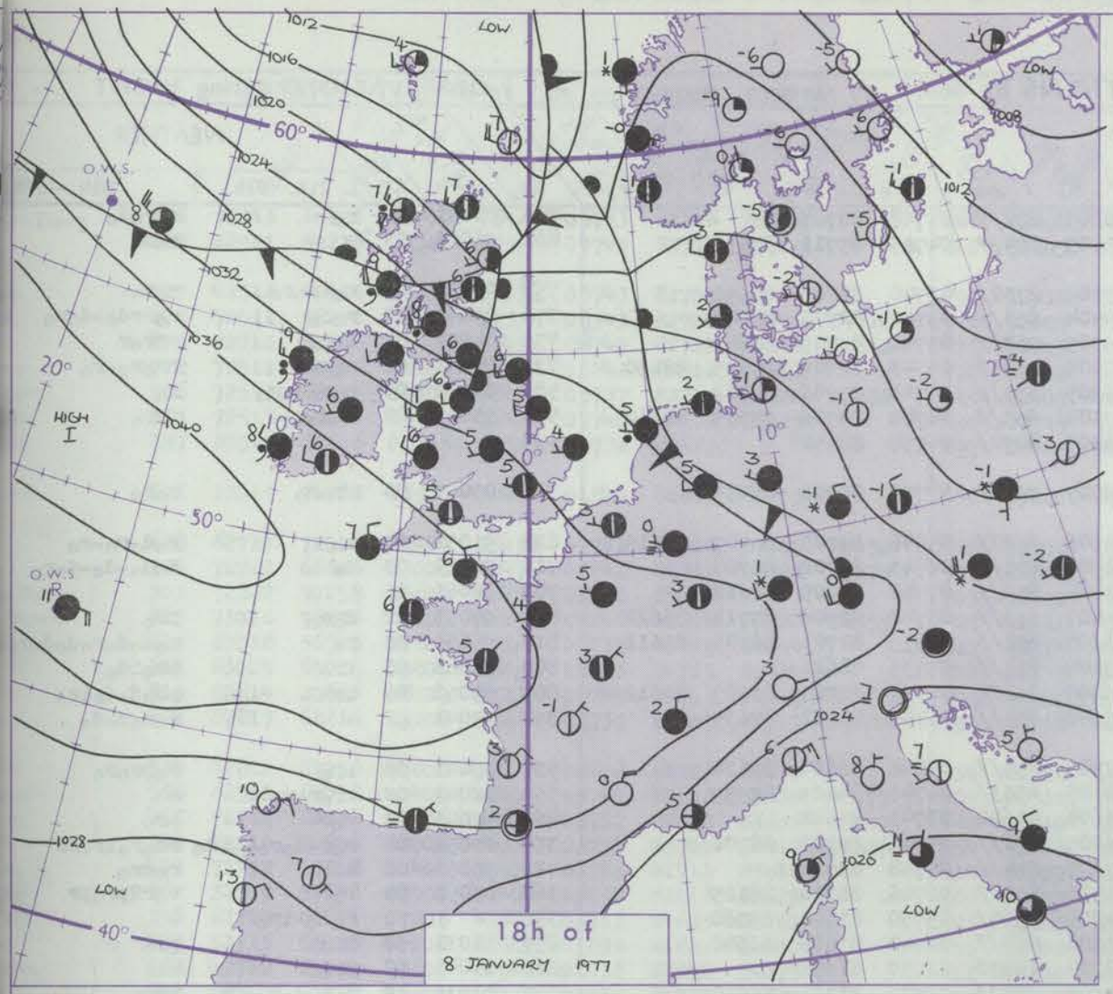
OCEAN WEATHER STATION REPORTS at 18h.

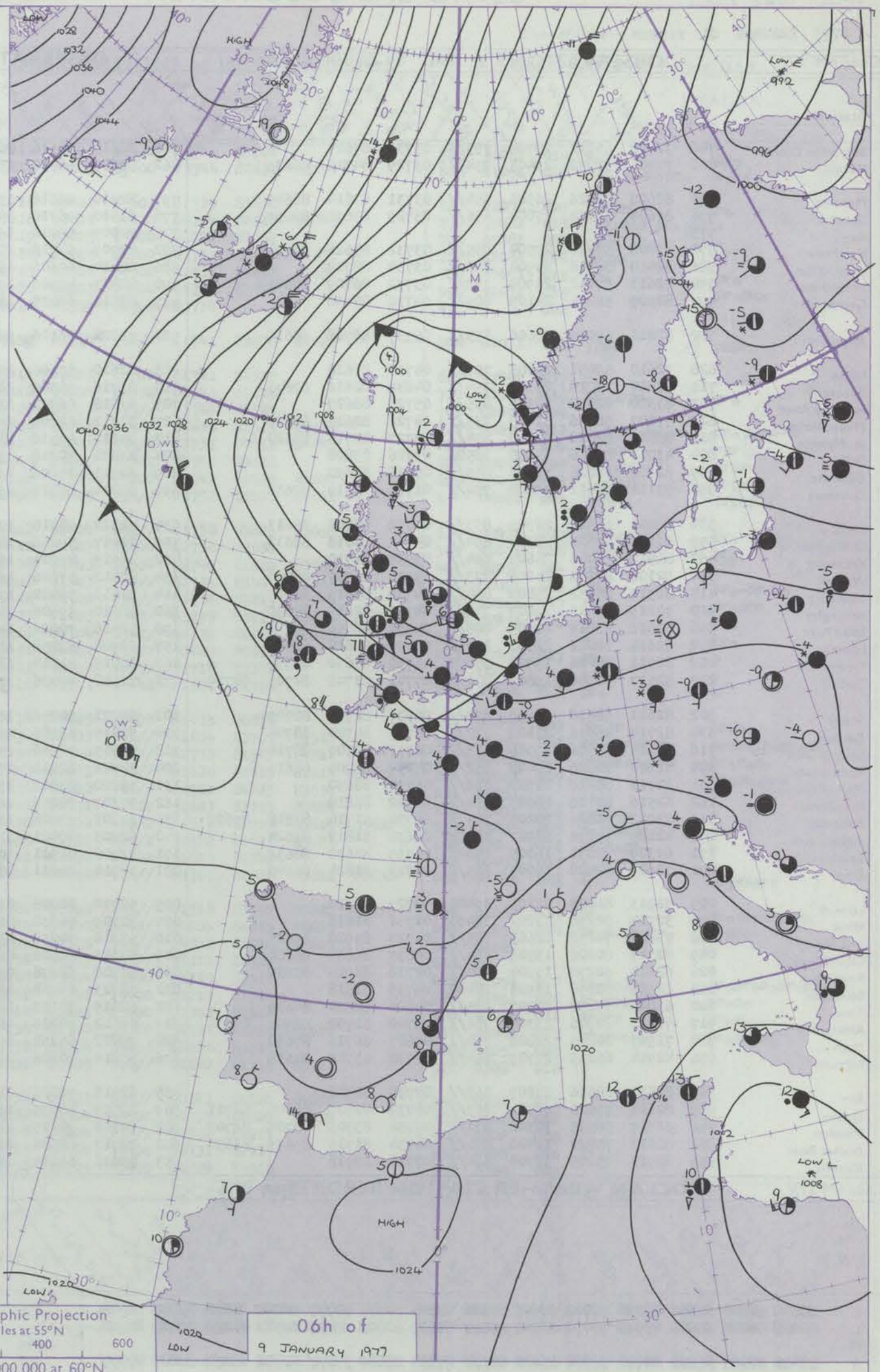
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	08181	81208	96104	33907	855//	00608	/////	/////	00307	10615	30403	24904
L	99568	70175	08184	63023	98218	31708	58432	62708	82710	83816	0//03	11002	30806	24905
M														
R	99470	70167	08184	80921	97022	37010	856//	00607	88633	/////	0//07	11189	30809	/////

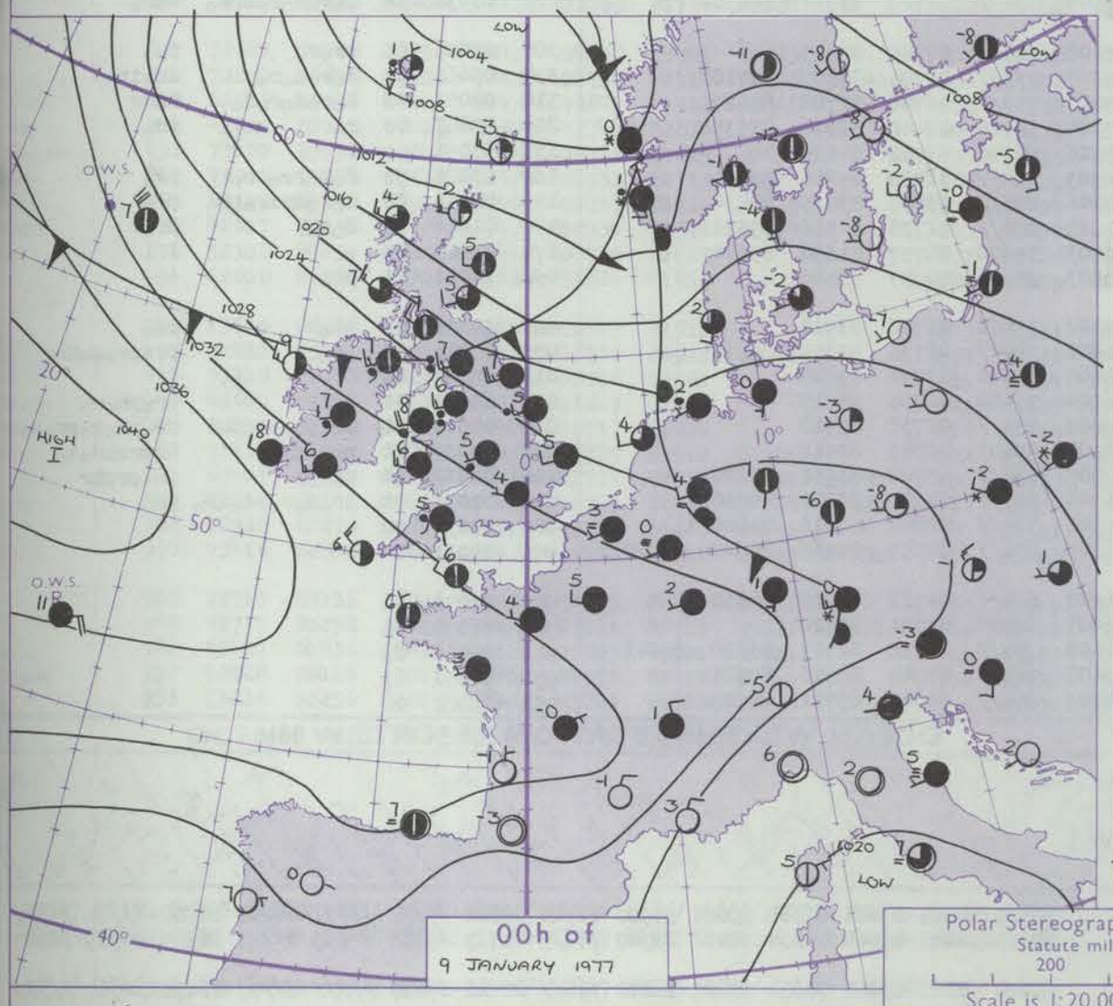
 of observation printed in this publication are GREENWICH MEAN TIME.

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 9 JANUARY 1977

During the past 24 hours an anticyclone has remained almost stationary to the west of Ireland. A low pressure complex north of Iceland has developed and moved slowly southeastwards towards southern Scandinavia whilst its associated cold front moved steadily southwards to clear most of the British Isles by the end of period. During the next 24 hours a cold northerly airstream will cover the British Isles as the low moves further southeast into the south Baltic and the high moves westwards and declines.

Code FM 11.V

OBSERVATIONS at 00h. 09 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	72708	65012	28704	755//	03731	87625		
Hurn	862	72406	57052	29405	754//	03729	84711	86633	
Manston	797	82608	62026	26304	854//	03731	83614	88645	
Gatwick	776	82607	56052	27804	856//	03729	83630	88657	
Kew	775								
Heathrow	772	82806	57026	27504	855//	03732	83628	88656	
Honington	586	82410	30616	24904	873//	03732	88707		
Wattisham	590	72613	57212	24904	753//	03733	86709	87645	
Gorleston	497	82509	58216	24105	8092/	04732	88458		
Aberporth	502	82816	65035	28606	853//	05737	86708	88630	
Filton	628	72610	57051	28405	755//	04733	87628		
Rhoose	715	72810	75016	29305	754//	04830	82612	87643	
Hartland Point	703	83310	82022	30907	855//	05729	88627		
Mount Batten	827	73007	58056	31405	755//	04728	82625	87636	
St. Mawgan	817	83314	82028	31907	854//	03727	82713	88620	
Scilly	804	43213	81016	33906	38501	03726	83820		
Culdrose	809	82806	68026	32506	855//	05728	88620		
Guernsey	894	73111	80012	32206	754//	01724	83618	87630	
Elmdon	534	82407	65606	26305	853//	04832	82708	88613	
Cardington	559	82111	59616	26204	854//	04734	84618	88633	
Wittering	462	82513	62026	24605	864//	03735	88710		
Watnall	354	82106	62206	24206	873//	05736	86707	88709	
Shawbury	414	82513	75032	25806	854//	04738	83615	88625	
Finningley	360	72813	83216	22407	754//	04739	82615	87650	
Spurn Point	396	82612	62616	22305	8082/	04734	88556		
Leeming	257	82614	80022	21507	2551/	05730	82620	88460	
Tynemouth	262	82711	80026	19708	3567/	06730	83630	88358	
Carlisle	222	82517	40586	19807	872//	07741	83703	84705	88710
Valley	302	82621	58616	26508	873//	06737	82708	88709	
Ringway	334	82714	45616	25106	872//	05737	84704	88705	
Squires Gate	318	82615	45586	23506	873//	06737	83707	88710	
Ronaldsway	204	82922	70026	23408	852//	07737	85705	88614	
Mull of Galloway	131	82718	80216	22307	856//	07730	88630		
Eskdalemuir	162	62516	80216	18207	624//	04742	86818		
Prestwick	135	73012	80026	20107	784//	06734	81714	83818	87622
Abbotsinch	140	42105	75036	18907	48400	04631	81817	83624	
Leuchars	171	62309	82031	16005	656//	04735	82630	86638	
Dyce	091	72809	82028	15005	685/2	02728	81824	86640	
Lerwick	005	32913	81028	08303	39400	50727	82910		
Wick	075	32714	82258	13002	28430	01731	81818		
Sule Skerry	010	73220	74258	12605	735//	04725	85920	87625	
Cape Wrath	049	82717	80808	13505	884//	04837	86815	88620	
Stornoway	026	62814	62278	15504	694//	02738	82914	85630	
Benbecula	022	22918	82256	18506	28400	04735	81818		
Tiree	100	63014	75258	20207	685//	04828	82820	84630	
Aldergrove	917	72513	62506	23307	761//	07740	81702	83705	87714
Malin	980	72917	80215	22808	764//	07627	86716	87630	
Belmullet	976	42914	66215	27709	464//	08730	83718	84638	
Birr	965	82611	60506	28607	863//	07738	88708		
Dublin	969	82614	75026	26307	863//	06737	82707	86708	88711
Shannon	962	82717	56515	30308	872//	07734	83703	86705	88708
Roches Point	952	82613	75022	31906	854//	04734	81716	83635	88650
Valentia	953	82912	75205	33708	864//	07724	88718		

OBSERVATIONS at 06h. 09 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	82813	65516	20805	872//	04748	88705		
862	82609	57052	21805	854//	04745	85711	88630	
797	82410	56616	19204	2732/	03740	82708	88550	
776	82410	56216	20404	853//	03742	82708	88645	
775	72309	59216	19705	753//	03741	82709	87645	
772	82707	58216	20004	5531/	04743	82709	84635	88460
586	82414	60606	16905	853//	04744	87706	88612	
590	82413	57606	17304	853//	04744	84706	85709	88614
497	82512	60025	16305	8072/	04738	88450		
502	72820	56106	20007	753//	07750	85706	86635	
628	82610	57106	20606	852//	05846	83705	86707	88615
715	82716	58505	21307	871//	06743	81702	88703	
703	83018	66022	23408	852//	07742	83705	88612	
827	72912	62205	24307	753//	06740	82706	85711	86622
817	83117	40516	25107	852//	06839	82703	86705	88611
804	83021	70216	27108	855//	07735	88621		
809	82711	25606	26007	852//	07737	82705	85707	88612
894	83014	81216	25806	854//	03735	83612	87635	
534	72312	70216	17905	754//	04846	82614	87624	
559	72417	59056	18105	4553/	04743	84629	87359	
462	42615	81011	16604	45600	03743	84642		
354	82412	57646	16005	871//	05746	86702	88706	
414	82411	78022	17107	854//	05748	88616		
360	82610	59606	14506	854//	06746	86710	88625	
396	52418	70026	14006	3567/	05750	83640	85360	
257	62908	82258	13306	684//	04740	83818	86640	
262	12715	81018	12706	10930	02737	81358		
222	72508	70036	12305	784//	02729	81712	86650	
302	72721	70256	18108	784//	07744	87815		
334	72715	62606	16207	773//	05745	84707	87710	
318	72715	58646	15007	753//	06746	82708	87627	
204	32921	82018	15107	38400	02840	81818	83635	
131	53220	83018	15106	58500	03742	84825		
162	72307	70258	12503	784//	01729	85818	83645	
135	83208	75808	13206	884//	03838	83815	88624	
140	62203	80021	11805	684//	02738	82816	85621	
171	32508	86011	10103	35600	00737	81630	83640	
091	32511	84011	08503	35600	50737	83642		
005	52910	80808	03102	59400	01726	83912		
075	72709	56838	06201	784//	01736	85815	85635	
010	53216	74258	05605	53500	03731	85920		
049	52713	80808	06504	53400	01736	85915		
026	52708	62278	08403	594//	02738	85912		
022	32923	65268	10304	29403	02747	82912		
100	62819	70158	12005	634//	03748	81916	83820	
917	62612	70016	16704	655//	02739	82622	85630	
980	72822	65258	15206	784//	02843	86818	83640	
976	83218	70806	21406	834//	04739	84716	88920	86920
965	62911	70026	21707	664//	04733	83715	84630	
969	22717	82035	18407	28500	03731	81820		
962	72912	70215	22808	754//	07738	82713	83620	87642
952	72717	60586	23608	764//	07744	85710	87625	
953	83016	65215	26409	864//	08740	85711	88628	

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	01031	01	ro	rorodo
862	91041	03	+	rodo
797	03031	03	ro-roro	roro
776	03041	02	roro	rorrdo-doro
775	04051	03	rorr	rrror
772	03031	02	roror	rroro-ro
586	01041	03	rorodoro	ro
590	93041	02	rodoro	drro
497				
502	03061	04	rroro	roro
628	91051	04	ro	rodoro-ro
715	91051	03	do	dodo-do-doro
703	92061	05		
827	97051	02	doro	iro
817	95051	03	ro	rododorododo
804	92062	03	iro	iroido
809	93052	04	iro	idododoiro
894	93041	02	+	rorododo
534	97041	03	iro	ropropro
559	02041	01	irororor	+
462	97041	02	ro	pro
354	04051	04	rorodorodoido	rdoroirRR
414	95051	02	+	ropro
360	03051	04	ror	rorRproor
396			roro-iro	+
257	91031	50	pro	pro
262	01041	02	propr	+
222	03031	50	dorodorodrro	Rpro
302	02051	05	rroro	pro
334	03061	05	dorodoro	droir
318	02051	03	dorodorodo	roRr
204	93051	03	ro	pro
131	95051			
162	03021	51	dodorropro	pro
135	02041	03	dorodrirropro	pro
140	01021	50	doro	pro
171	00003	53	+	+
091	97011	51	pro	+
005	92011	53	pro	pro
075	04015	51	pro	prsprosophr
010	05042	01		
049	03032	01	pro	prophoro
026	04011	50	prophoropho	prophoroprosoo
022	03025	01	prophrpr	prprsprooso
100	02031	51	propr	propr phr
917	01031	01	irodororo-ro	pro
980	01031	00		
976	02061	04		
965	02031	51		
969	91051	04		
962	02061	03		
952	97051	03		
953	01081	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	09001	51308	97012	33907	55500	00804	/////	/////	00307	10614	3//03	24/04
L	99568	70181	09004	73129	98031	30907	784//	61605	82818	86640	0//01	10954	30907	26906
M														
R	99470	70167	09004	80818	97022	36610	856//	00804	88640	/////	0//06	11189	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wt_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	09061	01308	98011	33907	00900	00808	/////	/////	00206	10602	3//04	/////
L	99569	70186	09064	73234	98022	28307	784//	61713	83818	87635	0//51	10975	30909	26907
M														
R	99470	70168	09064	70914	97022	34010	756//	00716	87633	/////	0//05	11172	30707	/////

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue MONDAY 10 JANUARY 1977

II.V

OBSERVATIONS at 12h. 09 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
be Down	746	72913	66256	13007	784//	05743	82816	86622	
	862	62511	59216	14308	683//	07741	82706	84709	
n	797	42512	62016	11607	36332	05743	82707		
k	776	72511	58206	12806	773//	06743	82706	85708	87710
	775	72310	40806	11908	58470	06742	81710	84614	86362
ow	772	72511	62806	12107	5847/	06842	84812	86462	
gton	586	72513	68258	09306	784//	05737	82710	83820	86632
nam	590	72515	67016	09707	56402	05740	84710	85075	
on	497	82510	60606	09406	855//	05732	88627		
rth	502	33019	74038	12907	38440	01844	81815	83635	
	628	62710	72026	12409	58432	03741	85816	83365	85070
	715	72922	66806	13008	68471	07842	81710	85822	87075
d Point	703	72822	70258	15608	6847/	08740	85615		
Batten	827	73016	78206	16109	6837/	07846	83708	85620	86359
vgan	817	83018	56505	17808	871//	08737	85702	88704	
	804	83025	65026	19809	854//	08743	84715	88620	
se	809	82814	20636	18109	4722/	08744	81703	84707	88460
ey	894	82817	62216	19108	852//	07739	83705	85709	87620
	534	72812	67256	10606	784//	02836	81815	87640	
gton	559	62511	64038	10407	58404	05740	83818	85630	86075
ring	462	72712	80038	09706	785//	03732	82822	83630	86640
1RR ll	354	82616	50808	09005	883//	03735	83709	84818	85626
ury	414	73012	63808	10405	784//	03735	81712	85816	
gley	360	32509	57058	07907	38400	03735	81818	83628	
Point	396	62717	66031	07806	4567/	03733	84635	86360	
ng	257	52713	80028	06305	58500	01839	81820	84640	
outh	262	42712	81021	05605	20941	02736	82358	84075	
e	222	52710	80028	06204	48432	03739	81714	83650	
	302	72620	70028	11207	784//	04842	85815	83635	
ay	334	72822	60808	09605	734//	00737	82912	83818	85640
s Gate	318	62913	65036	08406	694//	03841	81912	83815	
dsway	204	42820	80018	08405	38541	02744	82820		
f Galloway	131	73020	83031	08205	785//	02731	84825	87630	
emuir	162	71706	70258	05602	734//	01733	84713	84918	
wick	135	53105	84258	05904	39403	03737	81710	81915	
tsinch	140	42607	75158	05104	39430	02734	81714	81917	
ars	171	32308	84030	04103	18442	00729	81815		
	091	22608	86031	03303	15631	51826	81630		
ck	005	13609	86028	02302	13401	01703	81912		
	075	72810	75158	02801	29432	01716	81915	87072	
Skerry	010	53208	81038	03205	33571	03706	83920		
Wrath	049	63605	84808	03603	635//	01607	86920		
oway	026	20000	80158	03803	29400	01717	81914		
ecula	022	73114	70808	04204	794//	03729	83912	84916	
	100	63407	80018	05204	48432	03734	82818	83630	85070
grove	917	72512	80158	08804	784//	01743	82713	84818	86624
	980	72916	80258	07205	734/2	03744	87918	83070	
ullet	976	73416	62808	13603	794//	02740	82718	85920	84920
	965	72710	80031	13906	785//	02743	84820	86633	
in	969	72717	80258	11106	784//	02731	83715	85820	85632
non	962	63020	60836	15606	695//	04845	85920	83920	
es, Point	952	42928	70026	15508	48400	04751	82817	84640	
ntia	953	73216	70256	18809	784//	03741	84818	87628	

OBSERVATIONS at 18h. 09 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
	746	42608	62011	04303	30931	02740	83360		
	862	52605	75218	04805	54600	03746	82635	85650	
	797	12310	81018	03602	15601	01739	81638		
	776	52407	70018	03604	44430	04744	82818	83645	
	775	12205	70019	03305	15700	01741	81650		
	772	32402	70028	03404	38600	01742	81830	83650	
	586	52407	70018	02103	58400	01735	81818	85630	
	590	22714	75018	02303	25600	01725	82640		
	497	02404	60016	01904	00900	03734			
	502	73020	65158	03704	784//	01741	83818	86625	
	628	12606	65011	03403	15600	01741	81635		
	715	22808	75018	04204	28430	01743	81818		
	703	63010	70028	05806	625//	03744	86829		
	827	63211	65256	06806	3946/	03639	81915	84360	
	817	73319	65026	08006	684/2	03737	84812	84640	
	804	53125	66216	09507	52560	04742	85820		
	809	43217	65258	07905	45200	05742	81704	84620	
	894	72718	60606	08408	753//	06752	83707	84612	86618
	534	62506	66802	02504	685//	01738	83820	86656	
	559	22510	75018	02703	25600	02736	82630		
	462	32510	80038	01603	38500	02740	81820	83635	
	354	72406	58808	01303	783//	02735	83708	85812	
	414	62202	70028	01902	684//	01737	84816	85640	
	360	62607	66021	00603	3945/	01727	81915	83628	85361
	396	82610	62211	00504	6562/	02730	86630	88460	
	257	72502	82031	00601	755//	50620	87626		
	262	72910	69021	00903	7097/	51716	87358		
	222	42402	70011	00701	25442	01621	81710		
	302	62918	80018	02405	52402	01635	85818		
	334	71502	58898	01503	793//	01634	83707	87910	
	318	72710	60158	00504	794//	02732	81912	84818	
	204	73215	62808	01003	794//	01626	81715	81918	85822
	131	73415	83836	01202	785//	02721	84825	87630	
	162	40000	70011	00701	32462	52613	81715	83824	
	135	70204	63038	01202	683/2	01511	81709	83814	85620
	140	60000	65108	01351	584/2	51502	81818	85626	
	171	23106	75011	01200	15642	51606	81640		
	091	73009	62808	00802	783//	00707	81708	83812	86630
	005	80531	60588	02203	853//	01318	83707	85620	88630
	075	73311	80038	02102	6843/	00000	81815	86635	
	010	73224	66808	04505	735//	04208	86920	87625	
	049	60517	82258	04505	635//	51312	86920		
	026	50418	70268	05604	59400	03219	85915		
	022	13612	82028	05302	19400	01215	81918		
	100	20510	83018	03201	23400	00307	81916		
	917	32804	65258	01700	39300	50731	81706	81920	
	980	30311	82278	01804	39403	02516	83917		
	976	53422	62838	05805	594//	02642	81718	85921	
	965	52709	70038	05203	585//	00841	81820	84632	
	969	42512	82038	02902	48500	00735	81820	84630	
	962	63117	65808	08204	634//	02732	86917		
	952	12820	65018	08404	19400	01732	81917		
	953	63417	70258	12006	63400	01724	86918		

OBSERVATIONS during DAY

	iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
	746	92081	019	r₀pr₀	pr₀
	862	01091	010	r₀d₀-d₀r₀pr₀	r₀r₀
	797	01071	007	d₀rpr₀	r₀
	776	95081	013	d₀r₀d₀d₀pr₀p	+
	775	03081	004	pr₀tl₀R	+
	772	02081	006	pr₀pr	+
	586	91071	013	pr₀	pr₀
	590	92071	019	+	pr₀ph₀
	497		002		
	502	01071	031	jppr₀	phpr₀
	628	97091	037	r₀	+
	715	01091	039	ir₀prpr₀	pr₀
	703	02091	004		
	827	02091	002	d₀d₀ir₀pr₀pr	pr₀prpr₀
	817	03091	000	d₀d₀r	rpr
	804	03092	007	d₀d₀pr	irpr
	809	05091	002	r₀r₀ir₀	irpr₀
	894	06082	000	d₀r₀	drprph₀
	534	92071	007	r₀r₀pr₀pr	pr₀
	559	91071	018	ir₀pr₀	pr₀
	462	92071	004	pr₀	+
	354	02061	005	pr₀	pr₀-pr₀s₀
	414	01061	017	pr₀	pr₀prh
	360	97071	035	pr₀	pr₀
	396			+	ir₀
	257	97061	013	pr₀	+
	262	00051		+	+
	222	97051	021	pr₀	+
	302	01071	009	pr₀pr	prph₀
	334	08075	009	pr₀phrprpr₀	prprsph₀pr₀s₀
	318	94061	013	pr₀pr₀s₀prs	pr₀d₀r₀
	204	03061	017	pr₀	pr₀ph₀prs
	131	03061			
	162	96031	016	prspr₀	+
	135	03053	005	pr₀ph₀pr	pr₀
	140	97043	022	pr₀s₀pr₀	+
	171	00053	033	+	+
	091	01045	023	+	pr₀psprs
	005	02052	034	pr₀	pr₀sd₀d₀r₀r₀
	075	04052	014	pr₀s₀ps₀pr₀	pr₀pr
	010	01082			
	049				
	026	02051	040	pr₀s₀jp	pr₀pr₀s₀pr₀pr
	022	91051	026	pr₀pr₀s₀	pr₀s₀
	100	01055	011	prprs	pr₀s₀
	917	94043	007	pr₀pr₀s₀	pr₀s₀pr₀
	980	0605	003		
	976	0308	018		
	965	0206	012		
	969	9706	008		
	962	0108	020		
	952	0208	026		
	953	0209	007		

M 21.V

OCEAN WEATHER STATION REPORTS at 12h.

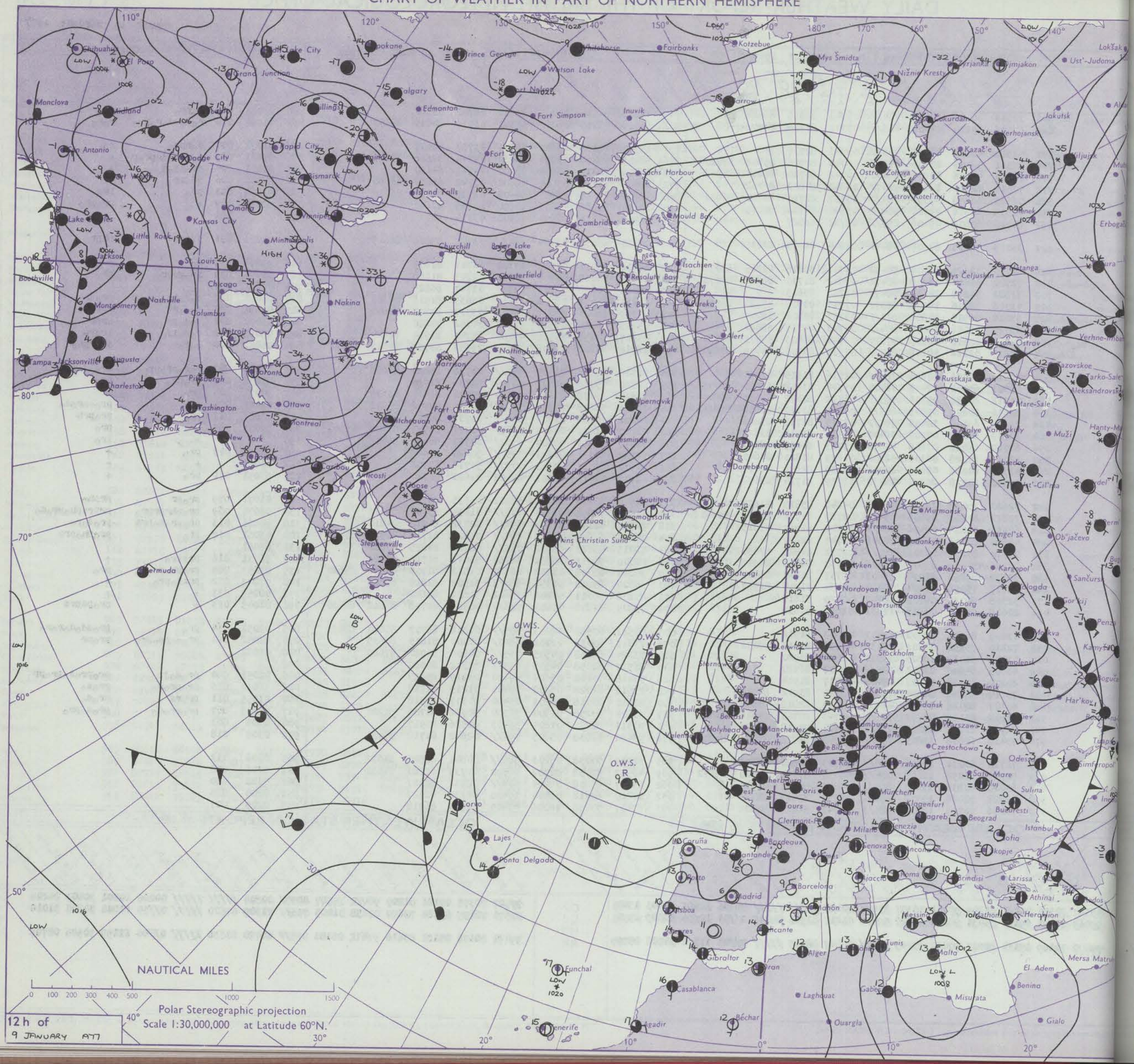
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	09121	81209	98031	36307	855//	00120	/////	/////	00306	10605	30403	13005
	99569	70191	09124	53431	98158	30807	59400	61217	81915	84817	0//01	10994	30809	29905
	99470	70169	09124	80413	97022	33309	856//	00807	88633	/////	0//04	11192	30502	08705

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	09181	81209	98022	35507	8095/	00804	/////	/////	00206	10601	30403	24206
L	99571	70199	09184	73627	97258	31405	755//	71309	87620	/////	0//54	11008	30808	31010
M	99470	70170	09184	83618	97022	28108	855//	00720	88630	/////	0//04	11199	30504	08705
R														

of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


NAUTICAL MILES
0 100 200 300 400 500 1000 1500
Polar Stereographic projection
Scale 1:30,000,000 at Latitude 60°N.
12 h of
9 JANUARY ATT
O.W.S. C
O.W.S. R
HIGH
LOW
Chihuahua
El Paso
Moncloya
Midland
San Antonio
Dodge City
Fort Worth
Lake Charles
Little Rock
Jackson
Boothville
Montgomery
Nashville
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Washington
Norfolk
Ottawa
Montreal
New York
Bermuda
Sable Island
Stephenville
Gander
Cape Race
Lajes
Ponta Delgada
Corvo
Funchal
Tenerife
Casablanca
Agadir
Gibraltar
Alger
Oran
Béchar
Laghouat
Ouargla
Misurata
Gialo
Malta
Tunis
Messina
Brindisi
Athinai
Heraklion
Mersa Matruh
El Adem
Benina
Lisboa
Madrid
Barcelona
Alicante
Coruña
Bordeaux
Clermont-Ferrand
Milano
Genova
Roma
Ajaccio
Beograd
Bucuresti
Istanbul
Sofia
Skopje
Sulina
Odessa
Simferopol
Sata Mare
Klagenfurt
München
Paris
Bern
Zagreb
Venezia
Ancona
Prahá
Wien
Warszawa
Czestochowa
Berlin
Hamburg
Kobenhavn
Gdansk
Stockholm
Oslo
Helsinki
Tampere
Turku
Tallinn
Riga
Kaunas
Minsk
Kiev
Har'kov
Moskva
Penza
Kazan'
Kirov
Gorkij
Sarapul
Perm
Ufa
Orenburg
Saratov
Volgograd
Astrahan'
Kaspijsk
Groznyj
Tbilisi
Nordoyan
Ostersund
Vaasa
Lyngen
Tromsø
Murmansk
Arhangel'sk
Ob'jačeva
Vologda
Sančursk
Kargopol'
Reboly
Kem'
Petrozavodsk
Leningrad
Vyborg
Tartu
Pskov
Smolensk
Mogilev
Gomel'
Brjansk
Tula
Rjazan'
Tambov
Saratov
Volgograd
Astrahan'
Kaspijsk
Groznyj
Tbilisi
Nordvik
Tiksi
Mys Čeljuskin
Ostrov Kotel'nyj
Ostrov Zelenyj
Ostrov Bol'šoj Ljahovskij
Ostrov Jeremeevskij
Ostrov Jedinomyja
Ostrov Uedinenija
Ostrov Vize
Ostrov Kolgujev
Ostrov Dolgij
Ostrov Kil'din
Ostrov Kil'dinskij
Ostrov Kanin
Ostrov Kanin Nos
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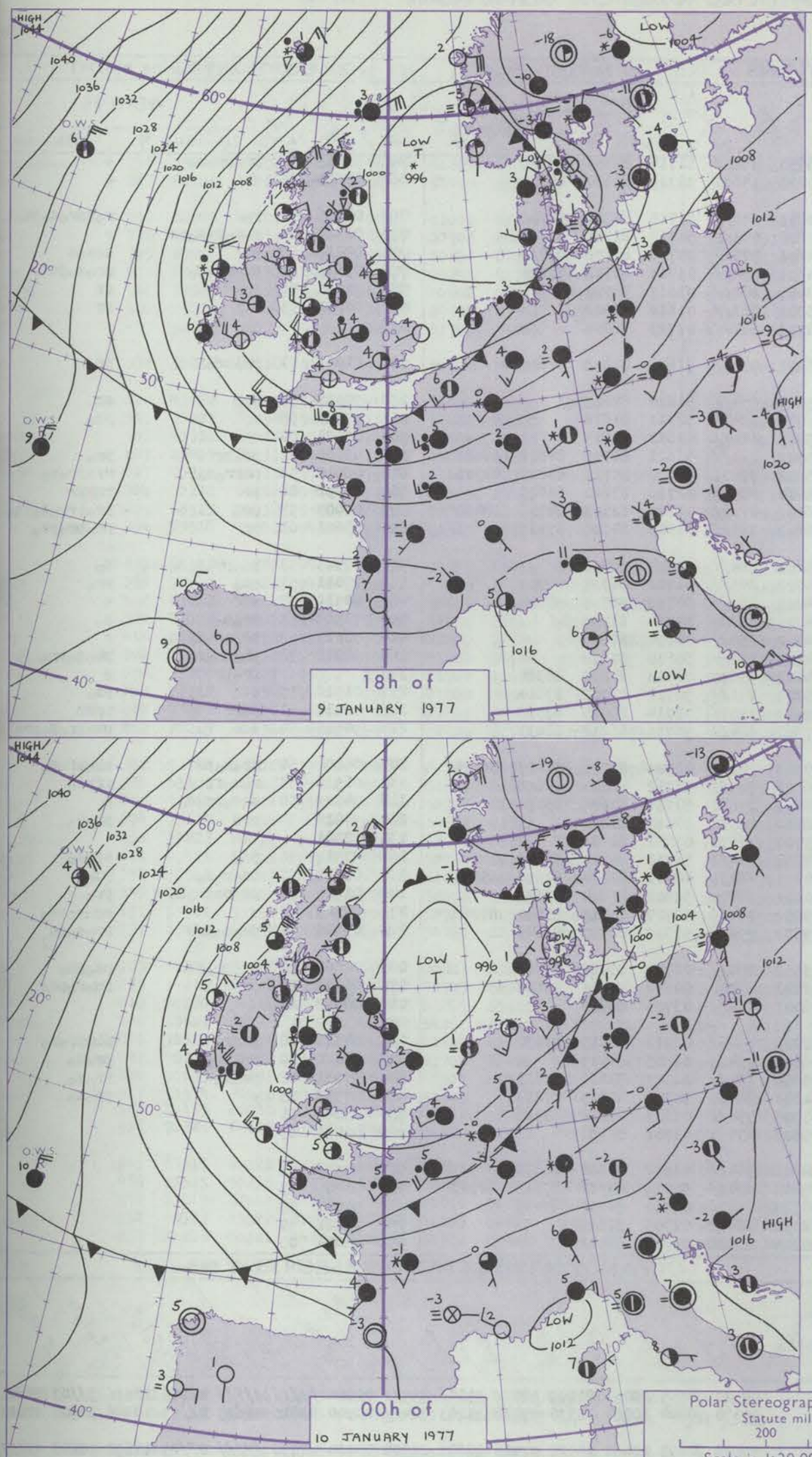
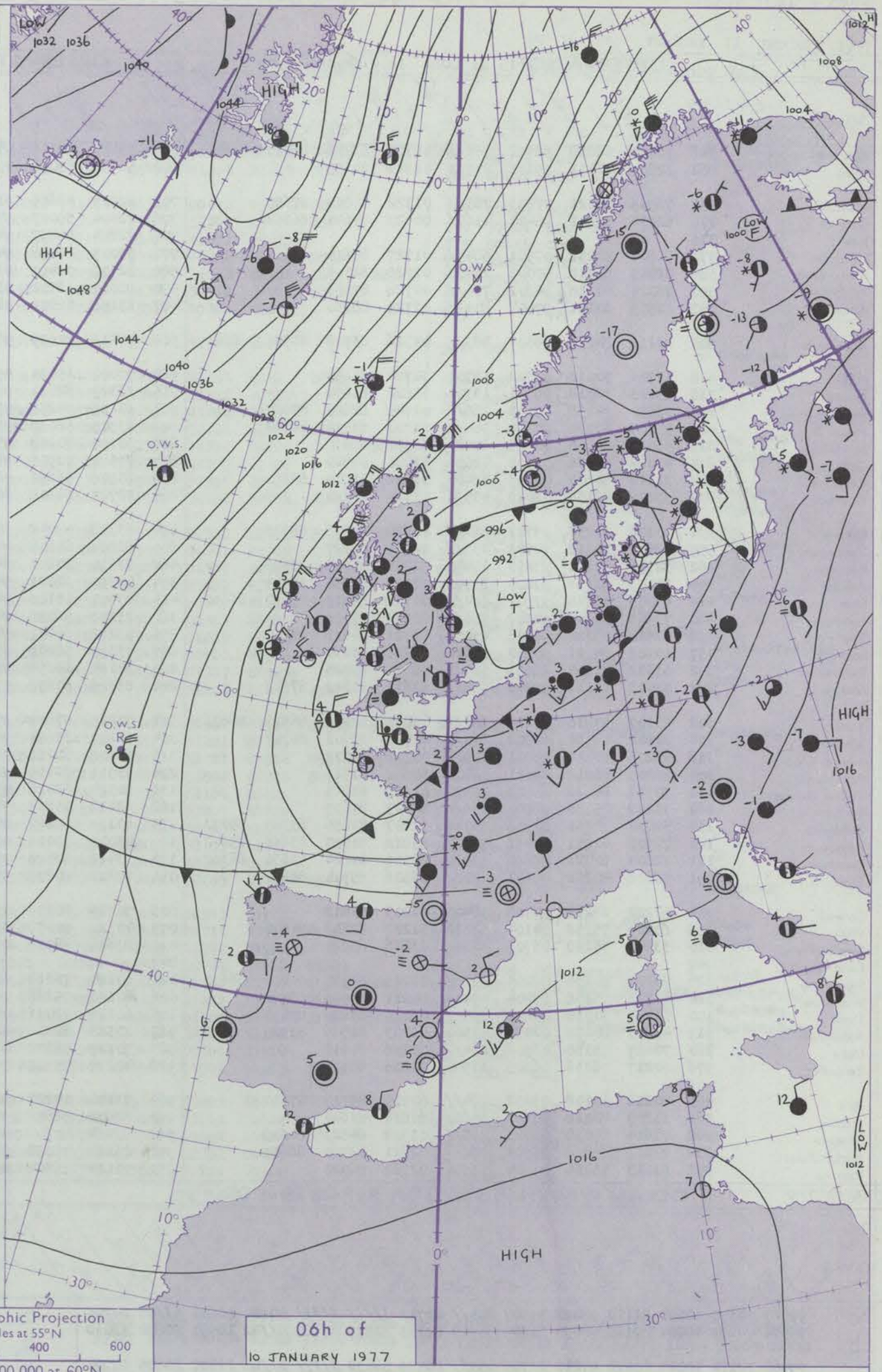
Ostrov Kil'dinskij





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 10 JANUARY 1977

During the past 24 hours a complex low moved steadily southwards into the southern North Sea and deepened. An associated cold front moved slowly south over the southern half of Britain and into Northern France. A ridge of high pressure extending southwards from Denmark Strait to the Azores moved slowly west. During the next 24 hours, the low in the North Sea is expected to remain stationary, giving a cold, showery airstream over the United Kingdom with weak troughs of low pressure moving south. Pressure will remain high in mid-Atlantic.

Code FM 11.V

OBSERVATIONS at 00h. 10 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	73010	68808	98702	783//	01723	83708	83816	86640
Hurn	862	32807	70011	99102	20931	01826	82359		
Manston	797	72505	64021	97803	785//	01722	81824	87650	
Gatwick	776	62004	58601	98400	4567/	00623	84640	86360	
Kew	775								
Heathrow	772	52804	50251	97501	584//	01727	85814		
Honington	586	22705	62018	97001	25400	01725	81711		
Wattisham	590	73004	60038	96801	756//	00728	87635		
Gorleston	497	82505	60031	97002	8097/	01721	88360		
Aberporth	502	83112	74251	98502	883//	01726	83708	86818	88640
Filton	628	12706	70018	98702	15701	50720	81650		
Rhoose	715	13003	82018	99301	15700	51820	81650		
Hartland Point	703	73510	74258	99005	785//	01744	82820	87637	
Mount Batten	827	53009	62038	00304	584//	01831	83818	84640	
St. Mawgan	817	63017	82808	00405	624//	01838	86816		
Scilly	804	43024	80038	03607	42500	01730	84820		
Culdrose	809	32816	80608	02103	32400	01728	81710	83820	
Guernsey	894	53219	82158	02005	43530	01729	84920		
Elmdon	534	83106	65258	97702	883//	00622	85708	88625	
Cardington	559	72503	70018	97502	755//	02725	87627		
Wittering	462	32706	57101	97050	35400	51724	81712	83625	
Watnall	354	33003	30108	97200	15702	50620	81650	83075	
Shawbury	414	63005	75268	97901	684//	00718	82815	83630	86650
Finningley	360	72903	58048	97302	756//	00714	87636		
Spurn Point	396	62910	63026	96803	4547/	01721	84618	86360	
Leeming	257	10102	84011	97950	15600	51715	81630		
Tynemouth	262	53312	61268	98601	535//	00610	85925		
Carlisle	222	73403	62031	99300	785//	51611	81822	87647	
Valley	302	83607	57838	99101	883//	00610	82709	86815	88636
Ringway	334	82102	06468	98301	860//	00715	83701	88702	
Squires Gate	318	40205	60018	98401	00901	00708	84072		
Ronaldsway	204	20205	82018	99601	18401	50602	81713		
Mull of Galloway	131	30318	86028	00802	28530	01105	81825		
Eskdalemuir	162	73208	75038	98900	756//	53817	87635		
Prestwick	135	50000	70031	00951	25744	52807	82656	83360	85070
Abbotsinch	140	72702	62851	00451	783//	53812	81707	83816	85640
Leuchars	171	72604	80021	99500	38532	51511	81824	83630	86362
Dyce	091	73408	40268	00601	722//	00306	85704	86810	
Lerwick	005	50222	68278	04702	58400	01203	83812		
Wick	075	60229	75258	04104	58432	51227	82818	84640	
Sule Skerry	010	33640	75258	06705	33500	03216	83920		
Cape Wrath	049								
Stornoway	026	70225	80258	08204	794//	51215	82916	84818	86630
Benbecula	022	50128	75258	08404	49403	00211	84915	83070	
Tiree	100	60135	70038	04805	685//	03002	83820	85633	
Aldergrove	917	43507	80028	02450	43300	52203	81709	83925	
Malin	980	70127	75158	03906	734//	00106	87918		
Belmullet	976	30217	78258	06005	33500	00206	83920		
Birr	965	70112	60108	03202	764//	00315	85712	87630	
Dublin	969	33209	80018	00601	35600	00801	83640		
Shannon	962	73614	80038	03703	785//	01502	84820	84635	
Roches Point	952	73123	65808	01904	784//	02621	82710	86819	
Valentia	953	63613	75258	05904	63500	02722	86920		

OBSERVATIONS at 06h. 10 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	53203	80018	95550	25602	51716	82640	85072	
Hurn	862	50202	65031	95450	15630	50719	81630	85359	
Manston	797	82909	42686	93801	870//	01715	84701	88702	
Gatwick	776	72604	59027	94800	763//	50713	81708	87710	
Kew	775	72804	40737	94601	773//	00716	84706	87712	
Heathrow	772	73005	28228	94801	754//	01711	83712	87624	
Honington	586	82706	06461	93401	860//	01617	88700		
Wattisham	590	83007	18102	93301	861//	01616	88702		
Gorleston	497	83108	48101	92701	863//	01723	88706		
Aberporth	502	70413	81038	96902	784//	51602	81818	87640	
Filton	628	70000	65031	95550	754//	51810	87619		
Rhoose	715	23302	82011	96051	18471	52711	81812		
Hartland Point	703	60215	74258	95903	624//	01612	86815		
Mount Batten	827	73505	58038	95502	783//	01621	84706	84818	87628
St. Mawgan	817	30107	70268	95902	39403	01616	81711	83815	81915
Scilly	804	73622	70908	98004	78500	02716	83820	86623	
Culdrose	809	83506	56686	96502	4722/	01621	82703	84706	88460
Guernsey	894	72720	58818	96803	793//	01623	84706	87918	
Elmdon	534	83308	45048	95601	864//	51707	88710		
Cardington	559	82804	60108	94701	863//	01712	86707	88709	
Wittering	462	83310	27101	94201	862//	00715	86703	88704	
Watnall	354	43510	62021	94801	46300	51714	83709		
Shawbury	414	73407	16108	96300	756//	00810	87635		
Finningley	360	73203	56038	94701	714//	50815	87812		
Spurn Point	396	53212	68031	94001	45670	00713	84630	85360	
Leeming	257	73310	58268	95201	753//	50717	82708	87614	
Tynemouth	262	70124	69258	95403	3357/	02714	83925	87358	
Carlisle	222	83608	60838	97302	884//	50713	83818	88630	
Valley	302	70215	57838	97903	783//	01709	81706	84817	86624
Ringway	334	73202	25854	96500	785//	51712	82820	87628	
Squires Gate	318	63508	70031	96403	25632	50716	82640	85070	
Ronaldsway	204	33511	82018	98302	18532	50610	81820		
Mull of Galloway	131	30324	83016	99702	25670	01502	82630		
Eskdalemuir	162	83418	15868	97300	834//	51715	84710	86918	
Prestwick	135	60110	62267	00201	48231	50001	82704	84650	85070
Abbotsinch	140	43003	80018	00601	38440	51802	81814	83630	
Leuchars	171	73412	68028	99202	38436	52707	81815	83640	87268
Dyce	091	73612	80278	99602	794//	51707	82910	86645	
Lerwick	005	70429	60278	03802	794//	01704	85913	83815	
Wick	075	40320	70278	02803	49400	00712	82916	83820	
Sule Skerry	010	83628	58908	06003	834//	03709	88915		
Cape Wrath	049								
Stornoway	026	60124	75268	07203	4943/	01712	82915	83630	
Benbecula	022	40120	75268	08302	49403	01805	84915		
Tiree	100	60129	82031	05604	684//	02003	83816	84633	
Aldergrove	917	70313	82028	01303	28436	50304	81815	87275	
Malin	980	70129	56878	03704	734/2	01203	87818	83918	
Belmullet	976	40227	75808	06905	43500	01701	84920		
Birr	965	73108	70227	02201	764//	01812	84714	84632	
Dublin	969	82908	58858	99200	834//	50717	84712	87817	82917
Shannon	962	83414	80608	03703	4567/	01710	84630	87459	
Roches Point	952	23120	75038	02102	18402	01705	81819		
Valentia	953	50114	75808	05305	53500	01804	85922		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	93513	57	$pr_opr_os_o$	+
Hurn	862	00523	56	+	+
Manston	797	05006	52	r_o	$r_or_sr_os_os_of$
Gatwick	776	01513	56	$r_or_or_os_or_s$	+
Kew	775	02016	53	+	s_ss_os
Heathrow	772	03506	52	$pr_opr_os_o$	$pr_os_op_ss_o$
Honington	586	91001	51	pr_o	ff
Wattisham	590	00001	53	+	ff
Gorleston	497				
Aberporth	502	01011	51	ph_opr_o	pr_o
Filton	628	97513	56	pr_o	sh
Rhoose	715	97513	58	+	p_so
Hartland Point	703	02021	00		
Mount Batten	827	02001	52	pr_opr	pr_o
St. Mawgan	817	06015	50	$phrr_os_or$	$rrspr_os_o$
Scilly	804	04032	01	pr	phrpr
Culdrose	809	02003	53	pr_o	$pr_oirr_os_oi_{s_o}$
Guernsey	894	03021	01	pr	$ph_opr_op_{s_o}$
Elmdon	534	97513	53	$p_{s_o}pr_or_os_o$-s_o	s_o
Cardington	559	97011	51	pr_o	pr_o
Wittering	462	00511	53	+	+
Watnall	354	92503	53	pr_os_o	s_o
Shawbury	414	96513	53	$pr_opr_os_op_{s_o}$	+
Finningley	360	91011	52	$ph_oph_or_o$	$ph_os_opr_o$
Spurn Point	396			ir_oir	+
Leeming	257	01516	55	+	p_{s_o}
Tynemouth	262	05012	51	pspr	prsh
Carlisle	222	94505	54	+	$p_{s_o}pr_os_op_{r_s}$
Valley	302	04001	50	$pr_os_op_s$	$ph_opr_os_o$
Ringway	334	01516	53	r_os_off	ffp_{s_o}
Squires Gate	318	94503	54	$d_or_or_rd_o$	+
Ronaldsway	204	94014	54	prs	pr_os_o
Mull of Galloway	131	92001			
Eskdalemuir	162	93517	56	p_{s_o}	$p_sp_{s_o}$
Prestwick	135	02516	57	$is_or_os_o$	p_{s_o}
Abbotsinch	140	01527	56	$p_{s_o}p_ss_{s_o}s_o$	p_{s_o}
Leuchars	171	97505	53	+	$pr_os_op_{s_o}$
Dyce	091	03006	51	$pr_os_op_{r_s}$	pr_os_oph
Lerwick	005	02505	51	$ph_opr_op_{s_o}$	$p_{s_o}ph_o$
Wick	075	01011	50	$prpr_o$	$ph_or_opr_o$
Sule Skerry	010	08012	01		
Cape Wrath	049				
Stornoway	026	04511	00	prpr$_o$	$phrpr_os_o$
Benbecula	022	96021	50	$pr_opr_os_o$	pr_os_o
Tiree	100	97031	02	pr_os_o	pr_os_o
Aldergrove	917	97513	55	+	pr_os_o
Malin	980	95041	01		
Belmullet	976	02031	03		
Birr	965	95511	53		
Dublin	969	01505	53		
Shannon	962	97001	53		
Roches Point	952	92021	50		
Valentia	953	03041	03		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	10001	81110	98022	35507	855//	00712	/////	/////	00205	10602	3//03	24/06
L	99571	70199	10004	50123	98038	31604	58400	00105	82817	85625	0//02	10991	30808	32010
M														
R	99468	70170	10004	83622	97212	22709	855//	00729	88630	/////	0//06	11207	30605	08704

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	10061	81109	98022	35106	855//	00604	/////	/////	00106	10636	3//03	24/06
L	99570	70200	10064	70330	97028	31203	784//	00500	83816	86625	0//53	10986	30908	32012
M														
R	99469	70170	10064	23529	97018	18208	28500	00724	82830	/////	0//03	11198	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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42054

Date of Issue TUESDAY 11 JANUARY 1977

FM 11.V

OBSERVATIONS at 12h. 10 JANUARY 1977

tion	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
–09h.									
combe Down	746	73605	59051	94901	763//	51804	84708	87711	
n	862	80109	58051	95201	864//	51400	88712		
nston	797	82702	43107	94001	862//	01001	83705	88709	
wick	776	83202	56057	94301	854//	00706	88615		
w	775	83406	50057	94202	863//	50806	84708	88712	
ithrow	772	83606	50052	94302	854//	00706	83710	88615	
nington	586	83009	30107	93400	861//	00802	83701	88702	
ttisham	590	83011	18104	93501	860//	00500	83701	88702	
rleston	497	52808	58028	92502	42504	01703	84825		
rporth	502	50218	82038	96603	58402	50708	84815		
on	628	43606	59057	95303	45400	51808	81710	83630	
ose	715	13407	65058	96203	18531	52802	81820		
tland Point	703	40310	84012	97004	24502	53104	82820		
unt Batten	827	20407	84031	96503	18402	00003	81815		
Mawgan	817	70312	75038	97104	794/3	00101	82914	84816	85628
ly	804	50210	66268	99104	52560	03003	85820		
drose	809	63513	70038	96904	69201	03802	82705	82918	
ernsey	894	73510	70808	94504	723/2	01605	83706	87814	
don	534	83108	45262	94801	884//	50709	81710	83818	88632
dington	559	72905	62022	94202	784//	00707	85818	86630	
ttering	462	83212	57042	93302	883//	50809	84709	84816	88624
tnall	354	83002	25707	93801	873//	01709	86706	88709	
wbury	414	73410	58268	95103	784//	01709	82814	85818	86630
hingley	360	73109	56258	93702	752//	01706	85704	85706	87640
rn Point	396	33309	57021	93002	23530	01706	82925		
ming	257	73312	50158	94401	793//	01708	86708	83915	
emouth	262	73408	61848	95302	735//	01601	87925		
lisle	222	70215	80038	96703	5847/	51809	81712	83629	87362
ley	302	73520	68808	97704	784//	01705	81817	86822	87640
gway	334	63108	28048	95402	655//	51807	86622		
ires Gate	318	63612	75031	95804	48442	50705	81817	83625	
naldsway	204	73617	84021	98203	28572	52801	81822	83463	86070
ll of Galloway	131	50223	84012	99203	22508	52806	82825	85075	
dalemuir	162	63421	57868	96700	59442	52707	84915	83072	
stwick	135	33508	70011	00302	38641	51805	81830	83657	
botsinch	140	43407	86021	00002	38442	52808	82818		
chars	171	53511	70158	98202	59403	50706	81912	85650	
ce	091	63413	60158	98702	69400	50704	82910	84812	
wick	005	70322	75268	02502	694/3	00813	83912	84815	
ck	075	30119	75158	02203	39463	50705	82914		
e Skerry	010	50130	74158	05104	53500	02807	85920		
e Wrath	049	63621	80028	05504	4256/	54208	84820	86360	
rnoway	026	70423	60878	07102	792//	01804	83705	87912	
becula	022	70220	77028	07503	3853/	00706	81820	83630	86360
ee	100	70133	75278	04904	53462	02607	81710	81913	84817
lergrove	917	53514	84028	01303	33401	51607	81918	84075	
lin	980	70135	86038	03206	624/2	00709	86818	83070	
mullet	976	70223	66878	06504	794//	01808	87919	86919	
r	965	63615	80022	02503	16402	01807	81716	86070	
blin	969	73515	70238	00203	634/2	50804	81915	85640	85070
nnon	962	33515	82016	04104	18502	00801	81820	83070	
ches Point	952	63323	75022	02405	48402	01105	84817	86073	
entia	953	30218	80021	04806	22502	51812	82825		

OBSERVATIONS at 18h. 10 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	83005	57708	94001	884//	51801	83812	88630	
862	82905	40052	94401	854//	01301	81618	88639	
797	83411	58022	91801	5632/	00610	85709	88462	
776	73106	50052	93001	755//	51301	85624	85650	
775	83105	56052	93102	856//	51801	88635		
772	73106	30102	93101	755//	00801	81620	87638	
586	83206	40052	92501	863//	51602	82706	85707	88709
590	83602	45102	92400	863//	50702	84706	88707	
497	62305	58022	92201	655//	00202	86620		
502	40118	75268	95603	38402	51500	82815		
628	73604	65031	94602	785//	51303	83823	86630	
715	42903	75011	95201	38401	51301	82818		
703	50113	85018	95704	38531	01602	83822		
827	41302	70030	96002	48400	51201	81818	83640	
817	73412	70258	96603	723//	01301	82706	84708	86828
804	70114	66258	98803	725//	02105	87820		
809	43209	70011	97302	49403	01306	83916		
894	43406	70018	96002	48400	52108	82818	83640	
534	83309	50778	93602	853//	00500	82707	85710	88620
559	83002	56058	93002	853//	01701	82708	85709	88612
462	80106	45048	92701	852//	01302	82705	85708	88625
354	80111	50237	93102	863//	00302	88706		
414	73505	60048	94502	784//	00303	81818	87620	
360	53308	56048	93201	55200	00302	83705	84624	
396	63312	66708	92601	634//	01203	86919		
257	73309	30858	93801	794//	01400	87915		
262	60000	61898	94603	635//	01307	86925		
222	70212	80028	96002	784//	52202	81819	83628	86645
302	83622	62808	96703	834//	50500	83918	85825	88638
334	73205	58032	94301	755//	51201	87625		
318	70108	75012	94603	28472	51801	81818	85359	87075
204	40118	84028	97102	18532	53502	81825	84070	
131	10227	84011	98302	18500	51104	81825		
162	23620	75018	96000	28500	53207	81820		
135	10101	80021	98601	15601	52603	81630		
140	12902	80011	98801	18401	53803	81815		
171	33108	70151	97401	28402	51000	81815		
091	70116	62858	97301	784//	52605	83814	85645	
005	40216	70268	99901	49403	50713	83912		
075	60216	62278	99703	594/2	00711	83912	84630	
010	40126	74028	02404	43500	02712	84920		
049	70118	70027	02104	785//	52721	84820	87625	
026	50218	65278	03703	39302	51716	81707	81912	84070
022	70225	66878	05001	793//	01812	84908	85812	
100	60128	65838	03103	694//	01708	81710	82917	83820
917	13609	84011	00501	10931	52102	81360		
980	73630	84258	02504	734//	50301	87918		
976	40320	76258	05104	43400	00702	84919	83919	
965	13107	80021	01801	15600	51003	81632		
969	23313	75020	99002	28500	53603	82822		
962	13511	82011	02702	14500	00501	81628		
952	13211	70011	01303	18400	50302	81817		
953	50107	80258	03703	53500	01201	85925		

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	92016	002	+	$is_oph_os_o$
862	00021	000	+	+
797	00025	000	+	+
776	97021	000	s_o	+
775	00025	000	+	+
772	00021	000	+	+
586	97011	000	fs_o	+
590	00011	000	f	+
497		020		
502	93041	035	ps_oph	$ph_opr_os_o$
628	00031	016	+	+
715	00043	031	+	+
703	97050	030		
827	91043	059	+	pr_o
817	02051	036	pr_os_o	$ps_or_opr_oprs$
804	03052	041	pr_os_o	tlr
809	94052	037	pr_o	pr_os_oph
894	96041	018	pr_oph_o	pr_ops_o
534	93021	001	ps_o	$shps_osh$
559	97031	000	pr_os_o	+
462	97021	004	pr_os_o	+
354	92021	000	$s_or_os_od_o$	$d_or_os_o$
414	97031	002	$ps_opr_os_o$	+
360	95021	000	$ps_opr_os_oprsr_o$	+
396			+	$ps_ois_opr_os_oprs$
257	03035	009	ps_ops	ps_o
262	03041		psprs	prph
222	97031	006	ps_o	+
302	94051	015	$pr_os_opr_o$	$pr_opr_os_o$
334	91031	011	s_o	+
318	00041	022	+	+
204	97041	011	ps_o	ps_o
131	00041			
162	91016	007	ps_ops	+
135	00035	044	+	+
140	00035	059	jp	jp
171	97035	021	jp	ps_o
091	02037	028	ps_o	ph_opsps_f
005	09025	002	$ph_os_ops_os_ops$	ps_ops
075	03045	005	ph_oph	phprs
010	02052			
049	04056	002	prsss	ps_oprs
026	04042	000	$ph_or_opr_os_oprs$	$prsph_opr_os_o$
022	01035	001	$pr_os_ops_oph_o$	ps_ophsph_o
100	95051	007	$pr_os_oph_o$	$ph_ophrsph_or_o$
917	00043	052	+	+
980	0106	008		
976	0305	003		
965	9704	047		
969	0204	021		
962	9705	049		
952	9705	050		
953	0107	030		

FM 21.V

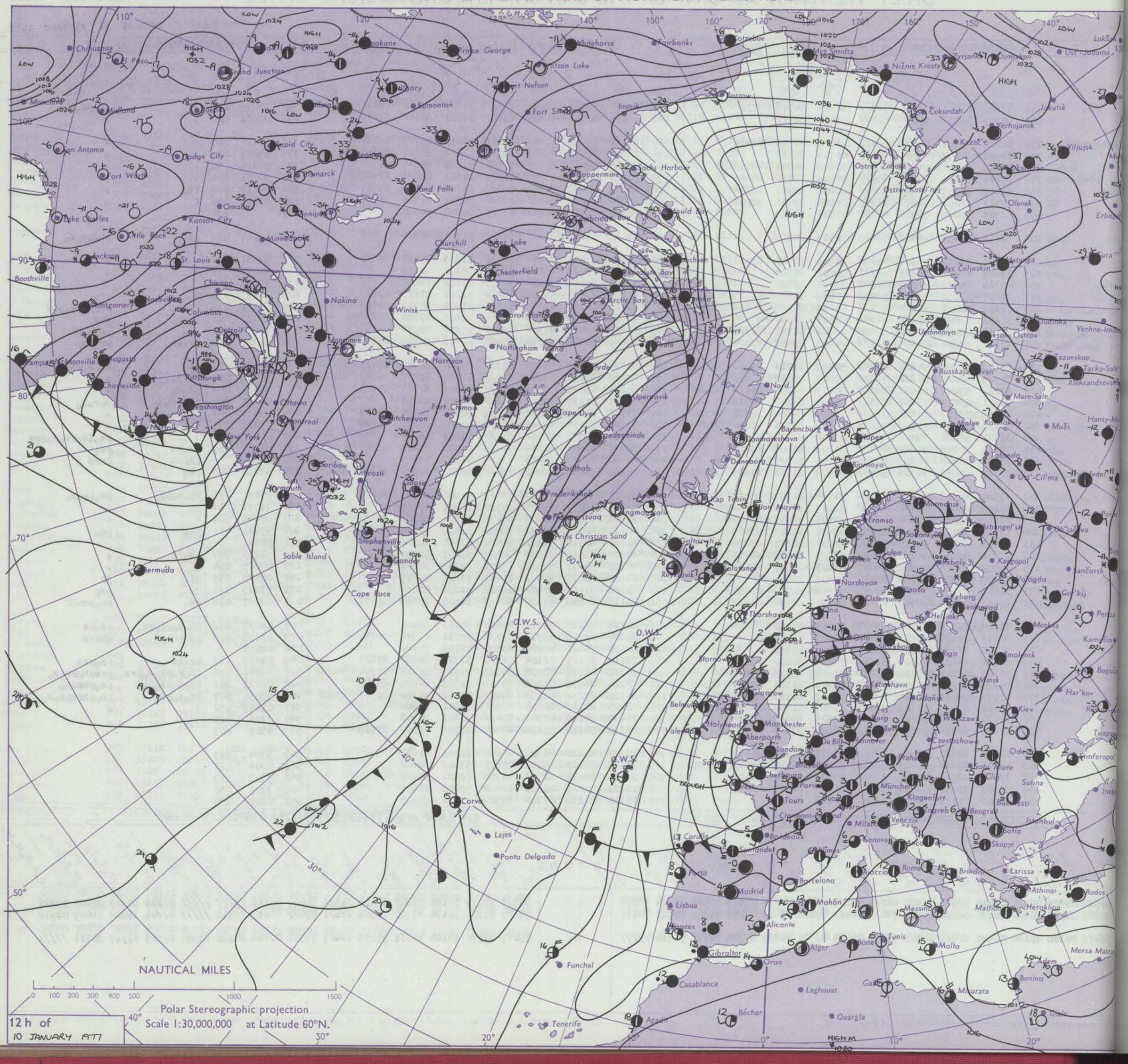
OCEAN WEATHER STATION REPORTS at 12h.

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
24/06	99527	70355	10121	81210	97516	33905	863//	00608	/////	/////	05105	10626	30504	18206
32012	99569	70201	10124	70320	98038	29604	784//	00713	81816	87625	0//53	11000	30911	33110
////	99471	70170	10124	53630	98811	17008	59503	00803	81920	84830	0//04	11160	30710	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	10181	71207	98015	31506	74500	00612	/////	/////	00105	10605	30403	18206
L	99567	70201	10184	83320	93868	26401	894//	00815	88910	/////	0//01	11004	31009	02910
M														
R	99469	70170	10184	73631	97258	14407	79500	00608	84920	83830	0//05	11197	30711	/////

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of 10th JANUARY

00h of 11th JANUARY

06h of 11th JANUARY

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

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday **TUESDAY 11 JANUARY 1977**

During the past 24 hours a complex area of low pressure over the southern North Sea moved slowly eastwards to Denmark and minor troughs of low pressure moved southwards over the British Isles in the cold northerly airstream. Pressure remained high over North Greenland, but the separate small high over the south of Denmark Strait declined to become only a ridge by this morning. During the next 24 hours pressure will remain high over Greenland and a shallow complex area of low pressure is expected to remain slow-moving over the North Sea, maintaining a cold northerly airflow over the British Isles.

Code FM 11.V

OBSERVATIONS at 00h. 11 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	73007	60227	94200	754//	51802	87612		
Hurn	862	52806	60012	94600	55600	51400	85635		
Manston	797	83111	70032	92101	863//	51305	83708	88711	
Gatwick	776	82704	16102	93401	863//	50302	83706	88708	
Kew	775								
Heathrow	772	53105	15101	93301	554//	01301	83618		
Honington	586	82910	45052	92000	852//	50706	86703	88620	
Wattisham	590	73010	56027	91800	784//	51503	81810	87622	
Gorleston	497	83007	32832	91101	874//	00707	88710		
Aberporth	502	70118	70258	95202	784//	01502	87812		
Filton	628	62905	70031	94201	684//	52703	81815	86650	
Rhoose	715	83203	75031	94701	857//	51707	88650		
Hartland Point	703	73612	86032	95204	785//	00706	83822	87640	
Mount Batten	827	13105	56058	95401	10930	00707	81360		
St. Mawgan	817	30106	80028	96201	39300	50607	81708	82915	
Scilly	804	23616	65029	97904	22500	01708	82820		
Culdrose	809	22905	70268	96501	29400	01709	81914		
Guernsey	894	72807	66838	95603	785//	51707	86820	87640	
Elmdon	534	83006	40047	93701	856//	51501	88636		
Cardington	559	83006	50102	92902	854//	01602	88613		
Wittering	462	83208	50051	92601	853//	50801	83708	86619	88625
Watnall	354	83608	30712	93101	860//	01501	82701	83703	88705
Shawbury	414	83308	59041	94101	884//	50705	82816	88620	
Finningley	360	73206	25261	93300	784//	00301	82710	87642	
Spurn Point	396	40313	76018	92203	43500	51703	84925		
Leeming	257	53506	65028	94300	15470	51501	81615	85360	
Tynemouth	262	73208	66838	94801	735//	00702	87925		
Carlisle	222	82804	20738	95650	853//	50804	83708	85712	88616
Valley	302	33516	80028	96103	38500	52707	81820	83630	
Ringway	334	53405	57262	94201	55600	51704	85635		
Squires Gate	318	73607	70262	94701	785//	51801	81822	87638	
Ronaldsway	204	13511	84020	96402	18500	52605	81825		
Mull of Galloway	131	10222	86020	96902	15600	51711	81630		
Eskdalemuir	162	53406	75031	94751	38432	53617	81816		
Prestwick	135	53510	80031	96900	58500	53714	81820	85640	
Abbotsinch	140	63305	80011	96900	685//	54712	81820	86640	
Leuchars	171	23005	70018	96551	25600	52002	82635		
Dyce	091	13306	80028	96752	18400	53709	81815		
Lerwick	005	20617	80018	98102	28400	50709	81815		
Wick	075	23613	70268	97901	894//	00711	82912	83819	86634
Sule Skerry	010	83237	58608	99303	874//	02719	88715		
Cape Wrath	049	80524	60848	99602	894//	00714	88915		
Stornoway	026	70320	50878	01802	793//	01608	83706	87912	
Benbecula	022	70225	58848	02501	794//	00711	87910		
Tiree	100	20125	82268	99903	28400	01719	81818		
Aldergrove	917	23203	80020	98751	25600	53713	82630		
Malin	980	73523	65878	99703	734//	50718	87918		
Belmullet	976	30113	75808	03702	39400	51712	83919	82919	
Birr	965	13109	70030	01151	15600	52809	81634		
Dublin	969	12808	75010	98650	15700	53807	81650		
Shannon	962	13409	75030	02601	10930	51803	81359		
Roches Point	952	63115	70031	00702	15602	51705	81630	86073	
Valentia	953	70109	70808	03203	725//	01805	87821		

OBSERVATIONS at 06h. 11 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	73106	60027	94000	754//	51605	82615	87638	
Hurn	862	70000	60021	94351	756//	52703	87640		
Manston	797	72508	57102	92701	753//	50501	83708	84614	87642
Gatwick	776	72602	26107	93550	757//	51703	87650		
Kew	775	82605	25052	93401	855//	50400	88625		
Heathrow	772	82906	22101	93501	854//	00602	82612	88626	
Honington	586	73108	45222	92200	762//	50501	84703	87706	
Wattisham	590	83211	40702	92000	861//	50502	84702	88703	
Gorleston	497	83003	48227	91201	873//	00301	88706		
Aberporth	502	62712	83011	94701	684//	51706	82818	85640	
Filton	628	70000	65021	93801	755//	51606	81628	87630	
Rhoose	715	82702	65771	94500	856//	51707	88642		
Hartland Point	703	53609	86138	95004	52500	50801	85825		
Mount Batten	827	70602	58261	94901	794//	50804	81915	87650	
St. Mawgan	817	60510	65279	95502	693//	50504	82706	84913	
Scilly	804	50309	81278	97003	52500	02707	85820		
Culdrose	809	53604	64268	95702	59400	01606	85914		
Guernsey	894	53401	65268	94901	12430	00609	81818	84360	
Elmdon	534	72904	35047	93501	754//	50804	82710	86620	
Cardington	559	73204	57102	93201	763//	00301	84706	87710	
Wittering	462	53307	20107	92851	56100	51501	85702		
Watnall	354	23306	25107	93350	25700	51503	82650		
Shawbury	414	82604	60858	93501	884//	00609	83815	88630	
Finningley	360	43204	40101	93250	45602	51605	84640		
Spurn Point	396	73611	75021	92502	785//	51503	84825	87645	
Leeming	257	83605	50852	93900	883//	00505	83707	84812	86645
Tynemouth	262	83405	23778	94301	8052/	01803	88525		
Carlisle	222	21402	80017	94451	18532	52708	81820		
Valley	302	73610	58858	94301	783//	51613	83708	85820	87636
Ringway	334	62502	35047	93950	652//	51607	81703	86640	
Squires Gate	318	70406	65228	93400	754//	50709	81710	87630	
Ronaldsway	204	72905	84038	94501	785//	52608	83820	87632	
Mull of Galloway	131	10220	86011	95201	15600	52708	81630		
Eskdalemuir	162	23308	78017	94753	25600	55712	82635		
Prestwick	135	10000	80011	95855	15600	56809	81645		
Abbotsinch	140	31204	82021	95451	15732	55711	81650		
Leuchars	171	43107	80030	95052	45600	55711	84645		
Dyce	091	72909	80021	95051	753//	53710	81709	87656	
Lerwick	005	40717	70278	96802	48400	52710	83818		
Wick	075	20510	80028	95601	22402	54715	82818		
Sule Skerry	010	43220	74028	97503	43500	01711	84920		
Cape Wrath	049								
Stornoway	026	60123	58878	98202	693//	00721	82708	85912	
Benbecula	022	60116	70838	99301	634//	01721	83914	85625	
Tiree	100	70419	70278	97402	734//	01718	81712	84917	86632
Aldergrove	917	10102	80020	96353	15600	54713	81630		
Malin	980	70324	70878	96804	734//	01611	87918		
Belmullet	976	83616	56688	00301	864//	00609	84712	88716	
Birr	965	32804	70030	98352	35500	53715	83624		
Dublin	969	02709	82020	96352	00900	53609			
Shannon	962	12806	80020	99051	12500	51725	81820		
Roches Point	952	13212	70011	98701	16402	51715	81715		
Valentia	953	63411	70038	00503	62500	00722	86821		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	92516	53	$s_os_oi s_o$	+
Hurn	862	00523	57	+	+
Manston	797	97005	51	+	sh
Gatwick	776	97513	56	+	s_o
Kew	775	00515	53	+	+
Heathrow	772	00511	53	+	+
Honington	586	97515	52	+	s_ofF
Wattisham	590	97511	52	s_o	s_o
Gorleston	497				
Aberporth	502	95005	52	pr_o	$psps_o$
Filton	628	00501	55	+	+
Rhoose	715	97513	56	+	sh
Hartland Point	703	01021	51		
Mount Batten	827	97515	56	+	ps_o
St. Mawgan	817	03517	56	$pr_os_otl_ors$	ps_oph_o
Scilly	804	02022	01	phr	phr
Culdrose	809	06506	54	$phps_opr_opr_os_o$	pr_os_o
Guernsey	894	01006	55	pr_os_o	pr_os_oprs
Elmdon	534	97523	57	$shis_o$	s_o
Cardington	559	00513	54	+	+
Wittering	462	97513	55	$s_od_os_or_os_o$	s_of
Watnall	354	93515	56	s_os_orss	+
Shawbury	414	97515	54	+	ps_os_o
Finningley	360	97513	54	ps_o	+
Spurn Point	396			prs	$prspss_os_o$
Leeming	257	91527	55	ps_o	ps_ops
Tynemouth	262	05517	51	phprs	psss
Carlisle	222	01537	61	$ps_os_oh_opss_os_o$	s_os_o
Valley	302	01516	55	pr_os_o	$ph_os_ops_o$
Ringway	334	91516	53	ps_o	s_of
Squires Gate	318	02546	55	$pr_os_ops_or_os_os$	s_os
Ronaldsway	204	91515	54	s_os_o	s_ops_o
Mull of Galloway	131	00503			
Eskdalemuir	162	93557	60	s_os	+
Prestwick	135	00565	57	+	+
Abbotsinch	140	00555	59	jp	+
Leuchars	171	97526	56	ps_o	+
Dyce	091	00547	60	+	+
Lerwick	005	01516	52	+	ph_ops_o
Wick	075	01526	54	$pr_os_oph_o$	ps_o
Sule Skerry	010	04102	50		
Cape Wrath	049				
Stornoway	026	08515	50	$pr_os_oprsphrs$	$pr_os_oph_or_os_o$
Benbecula	022	01015	50	pr_os_oprs	pr_os_o
Tiree	100	01011	50	pr_os_o	$phrph_opr_os_o$
Aldergrove	917	00553	61	+	jp
Malin	980	96021	01		
Belmullet	976	08005	00		
Birr	965	97523	56		
Dublin	969	97533	55		
Shannon	962	97523	54		
Roches Point	952	97013	52		
Valentia	953	02005	50		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	11001	61407	98012	30306	35530	00812	/////	/////	00004	10600	3//02	18/06
L	99570	70200	11004	30128	98028	23204	33400	81623	81912	/////	0//55	10984	31011	33008
M														
R	99470	70169	11004	63539	97272	14006	69500	00301	82920	84830	0//01	11204	30716	/////

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	99526	70355	11061	81408	98012	27506	4555/	00620	/////	/////	00104	10636	3//02	18/05
L	99571	70199	11064	73523	98268	17403	784//	00629	83816	86625	0//52	10980	31009	33008
M														
R	99472	70168	11064	40131	97018	12807	32530	00807	83830	/////	0//03	11152	30716	/////

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue WEDNESDAY 12 JANUARY 1977

055

FM 11.V

OBSERVATIONS at 12h. 11 JANUARY 1977

on	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
mbe Down	746	72902	61707	95101	754//	51001	83712	87645	
	862	73001	35052	95101	756//	01801	87640		
ton	797	33006	68017	94502	38400	52005	81818	83657	
ick	776	32502	58031	94803	38500	51001	82820		
	775	53201	50051	94803	52400	51102	85815		
hrow	772	63003	38051	94902	634//	01002	81710	82918	85650
ington	586	72708	05467	94300	760//	50105	87700		
isham	590	72908	50057	94301	752//	51106	86705	86620	
eston	497	72805	04467	94050	725//	50209	87825		
porth	502	72710	40258	94103	722//	00810	81704	86812	
	628	71204	58042	94702	784//	51801	81818	87638	
se	715	10102	65023	94703	18501	53803	81825		
and Point	703	43410	86021	95103	48500	51803	84825		
t Batten	827	52907	56939	95501	39403	50803	83912		
awgan	817	72811	60858	95802	49423	00803	82710	83915	87550
	804	53511	81038	97006	52500	01706	85820		
rose	809	53602	70028	96301	59500	50002	84920		
nsey	894	80206	30858	95901	892//	00004	83703	85706	86914
on	534	70804	12262	94801	760//	51202	86701		
ington	559	82202	38102	95100	862//	50004	85703	88705	
ering	462	63006	28054	94600	652//	51104	82704	86628	
tall	354	80105	23101	94500	862//	51400	88705		
bury	414	70303	26718	94501	772//	50000	81703	84705	87709
ngley	360	73103	50101	94501	763//	00002	84706	87708	
Point	396	33208	60288	94301	39300	51103	83906		
ing	257	53205	60158	94800	58400	51302	83814	84630	
mouth	262	62004	39858	94851	635//	53101	86925		
sle	222	21502	62011	95352	18501	53000	81825		
y	302	70000	59158	94703	733//	02101	81708	83818	87635
way	334	82102	12107	95151	860//	51105	83701	88703	
es Gate	318	40000	24111	94951	28431	51105	81818		
ldsway	204	60208	84031	95002	18501	52803	81825	86072	
of Galloway	131	63611	88031	95802	12501	51000	81828	86075	
alemuir	162	33502	80020	95051	10981	53802	81360	83074	
twick	135	51204	40041	95753	18401	53806	81818	85070	
otsinch	140	70703	70041	95502	15701	52605	81650	87080	
hars	171	53409	86021	95101	38502	52002	81820	83650	
	091	73007	80152	95351	68401	55801	82818	85640	87068
wick	005	70412	60878	96901	794/2	52802	87912		
k	075	60708	89011	96102	22502	55801	82825	86070	
Skerry	010	60906	74158	97404	635//	00000	86920		
Wrath	049	80504	82028	96902	6853/	53602	84820	86625	88360
noway	026	90418	15858	96201	9////	01714	89/03		
ecula	022	93322	14868	97000	9////	00713	89/03		
e	100	70712	89018	96004	784//	02703	83818	86656	
rgrove	917	40802	63011	96200	29403	51704	81915	83075	
n	980	71010	63808	95803	734//	01807	87918		
ullet	976	73606	76267	98801	734//	50710	86714	86919	
	965	93303	05434	97351	9////	51806	89/05		
lin	969	43107	82011	95901	18401	52804	81818	83070	
non	962	73507	62108	98001	762//	51602	82704	84707	85711
es, Point	952	33012	65031	97002	16402	00715	81717		
ntia	953	70120	62837	99002	735//	01806	87920		

OBSERVATIONS at 18h. 11 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
746	30000	50057	95351	35600	51205	83640		
862	11202	40110	95251	11500	51206	81820		
797	32005	65011	95550	38400	51209	81814	83617	
776	10203	40050	95400	18500	51208	81820		
775	70000	58058	95301	755//	51308	87625		
772	70304	57031	95402	755//	52209	87626		
586	83002	25104	95851	861//	51210	88702		
590	83305	40102	95751	861//	51207	88702		
497	92809	01474	95851	9////	51215	89/00		
502	70000	56268	94451	631/3	51109	81702	82912	86818
628	11004	20108	94852	15600	52303	81640		
715	30000	75028	94500	38400	51203	81814	83630	
703	53306	74018	94603	58500	51203	84825		
827	30902	56058	95101	33500	51304	81920		
817	33605	82018	95002	39403	52102	82915		
804	70000	83021	96004	785//	51701	86821		
809	63205	60038	95602	69400	00302	84918		
894	10802	80028	95901	12400	00206	81818		
534	90402	01474	95351	9////	51206	89///		
559	10802	58101	95851	15600	51209	81640		
462	80000	15052	95650	853//	51210	86707	88616	
354	80000	35052	95350	864//	52109	88712		
414	60703	32107	94950	65200	51107	81703	84706	85656
360	40000	57041	93551	35502	53207	83620		
396	82610	32034	95350	854//	51211	86710	88620	
257	12905	60011	95553	15500	55211	81620		
262	42911	61028	95252	13530	55307	81925	83358	
222	71302	32041	95652	756//	53207	81630	87647	
302	10000	28101	94900	19403	51308	81912		
334	31103	35044	95751	36200	53206	81705	83710	
318	91202	00565	95352	9////	52207	89///		
204	23607	75011	95052	12501	54008	81825		
131	20000	86011	95700	22501	55208	82828		
162	63306	80021	95952	35772	56308	83650	86074	
135	21203	35041	96155	15601	56206	81630		
140	70000	15042	95850	756//	53307	81630	87635	
171	53206	84022	95752	48502	55208	81820	84650	
091	43404	65048	96354	15601	56210	81630	84070	
005	23510	82018	96850	11401	51205	81815		
075	52804	70278	96752	39462	53305	82914	83070	
010	53610	74832	97902	53500	02305	85920		
049	50904	80022	97501	52500	52309	83820	85625	
026	73102	66158	97400	793//	51207	81708	84915	85818
022	80213	59858	97100	893//	00209	84706	88910	
100	71412	66878	95303	794//	00303	82710	87916	
917	61104	50041	96050	55201	51203	82703	83635	86075
980	72013	80028	94803	5347/	02201	85918	87462	
976	71902	78038	96801	734//	00709	83714	86919	86640
965	72002	58104	96551	764//	51302	85716	85625	
969	82808	50104	95751	861//	52205	88702		
962	63306	80012	96801	654//	50000	82713	85623	
952	73316	70021	96401	764//	51203	87712		
953	73513	76838	98002	724//	00207	87819		

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97013	000	s_o	+
862	00039	002	+	+
797	97033	029	$1s_oh$	+
776	00043	054	+	+
775	97035	017	ph_o	+
772	00031	014	+	+
586	97011	001	s_off	+
590	97013	003	1fphs	+
497		006		
502	02033	007	$ps_opr_os_oph_of$	ps_oFF
628	92038	002	ps_opsps_o	ps_o
715	97053	051	+	ph_o
703	01051	047		
827	97043	051	$t_als_cps_o$	+
817	04047	051	ps	ps_oH
804	01062	046	+	phr
809	95046	045	pr_o	pr_o
894	03045	008	$phpspr_ops_o$	$ph_ops_opsphps$
534	97023	004	ps_o1ff	$Fffps_o$
559	00021	010	+	+
462	00013	000	+	+
354	00005	000	+	+
414	91025	000	$s_os_o1s_o$	s_os_o
360	00013	000	+	+
396	/////		$FffFs_os_o$	Fff
257	97025	030	ps_o	+
262	03007		ps_o	$psps_o$
222	97017	040	+	s_o
302	00043	018	+	+
334	00001	000	ff	+
318	97016	019	fFF	d_od_oFFf
204	00035	058	+	+
131	00033			
162	00006	062	+	+
135	00516	030	+	+
140	00035	037	+	if
171	00015	047	+	+
091	97007	010	ps_o	+
005	96026	000	ph_o	ps_o
075	01026	038	+	$ph_os_oph_ophs$
010	92041			
049	97027	012	ps_o	+
026	09036	000	$pr_os_opr_oph_or_o$	$phpsps_oprsph_o$
022	05028	001	$pspss_os_os_o$	s_ops_o
100	02045	002	pr_oph_o	$ph_oph_or_o$
917	97023	028	jp	f-fFF
980	0304	000		
976	0403	000		
965	9700	000		
969	9702	050		
962	9102	000		
952	9702	037		
953	0504	012		

FM 21.V

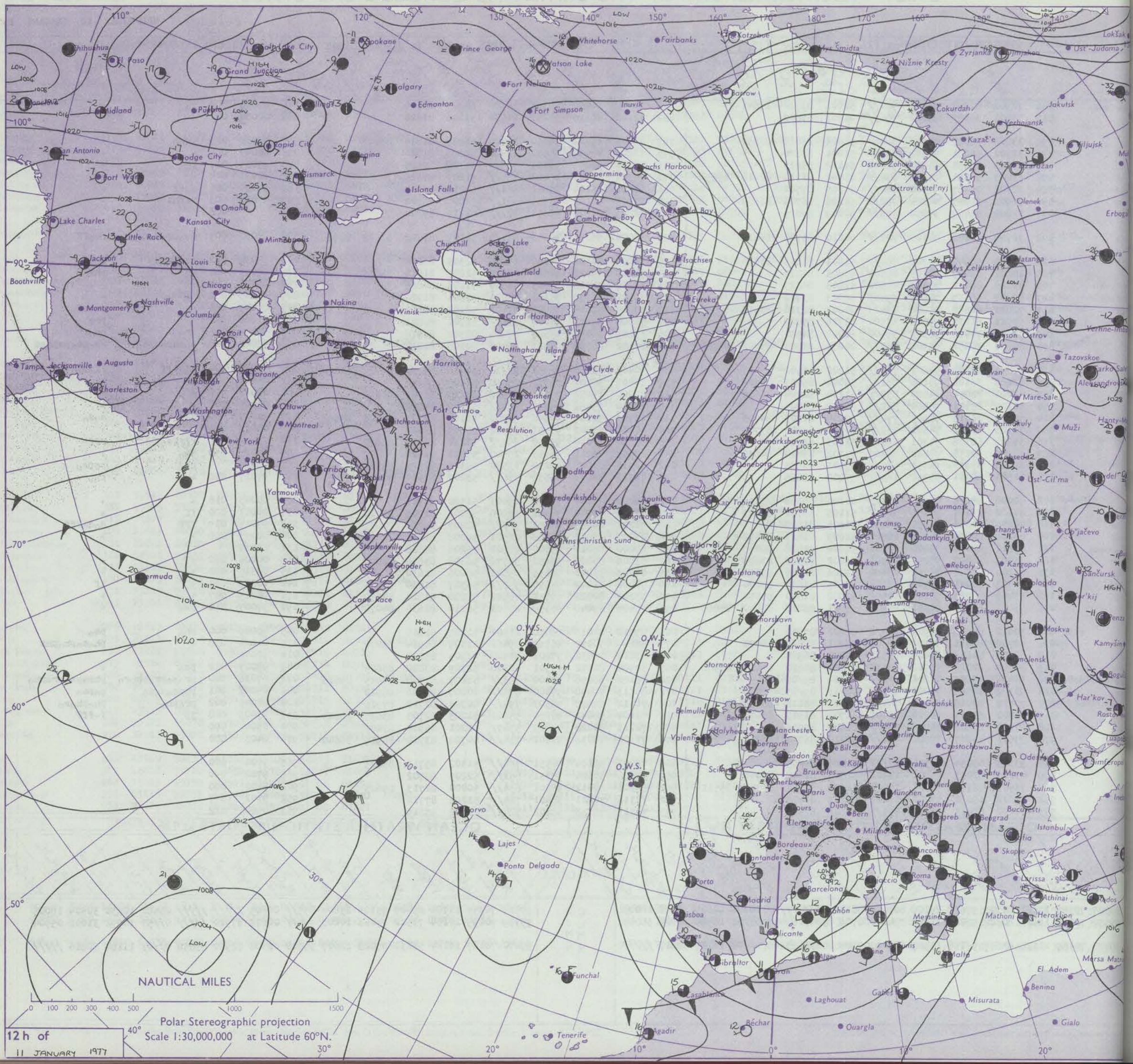
OCEAN WEATHER STATION REPORTS at 12h.

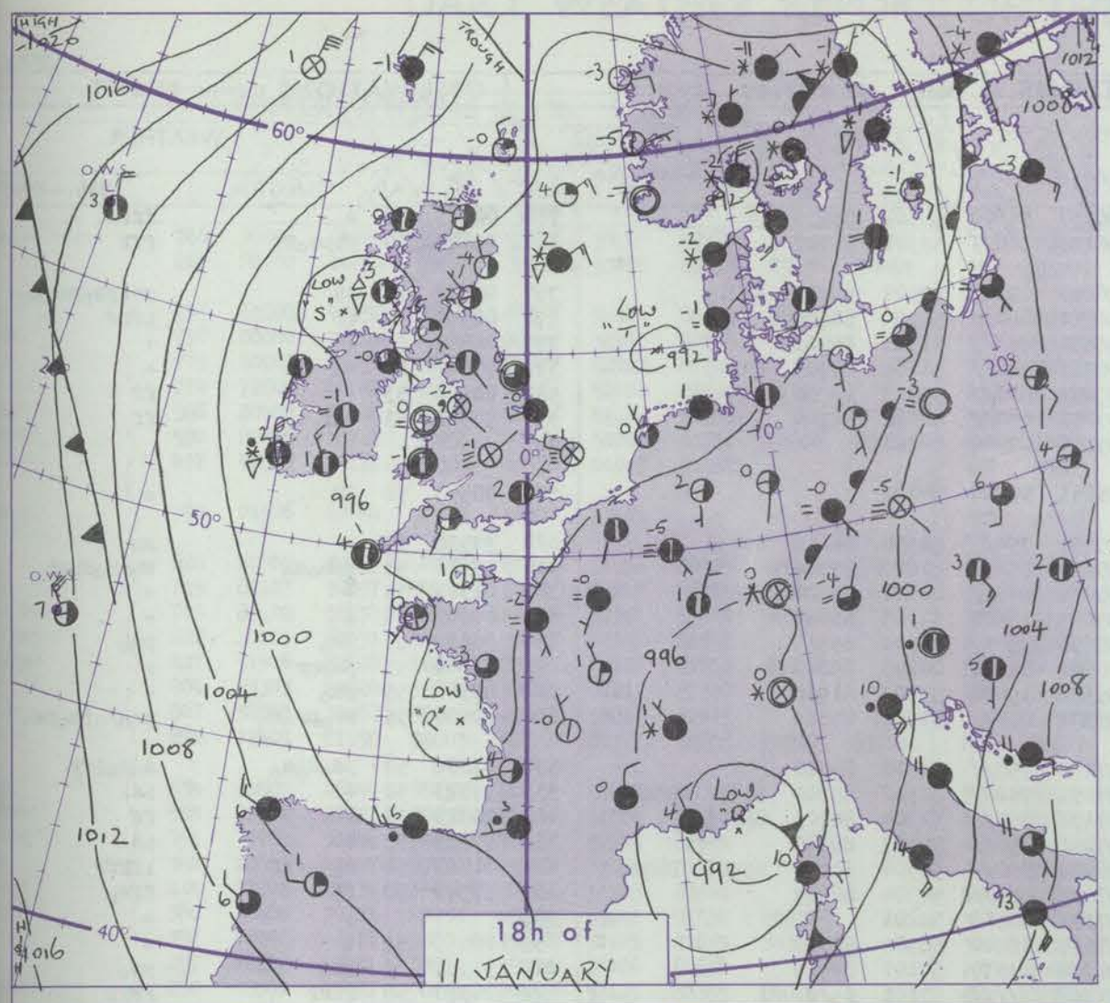
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	11121	81707	97618	25106	8097/	00612	/////	/////	00106	10603	30302	18005
	99570	70199	11124	80222	96268	12902	32417	00719	83812	87457	0//01	10984	31009	34007
	99473	70167	11124	63627	97158	13507	68500	00107	84830	83640	0//02	11117	30817	/////

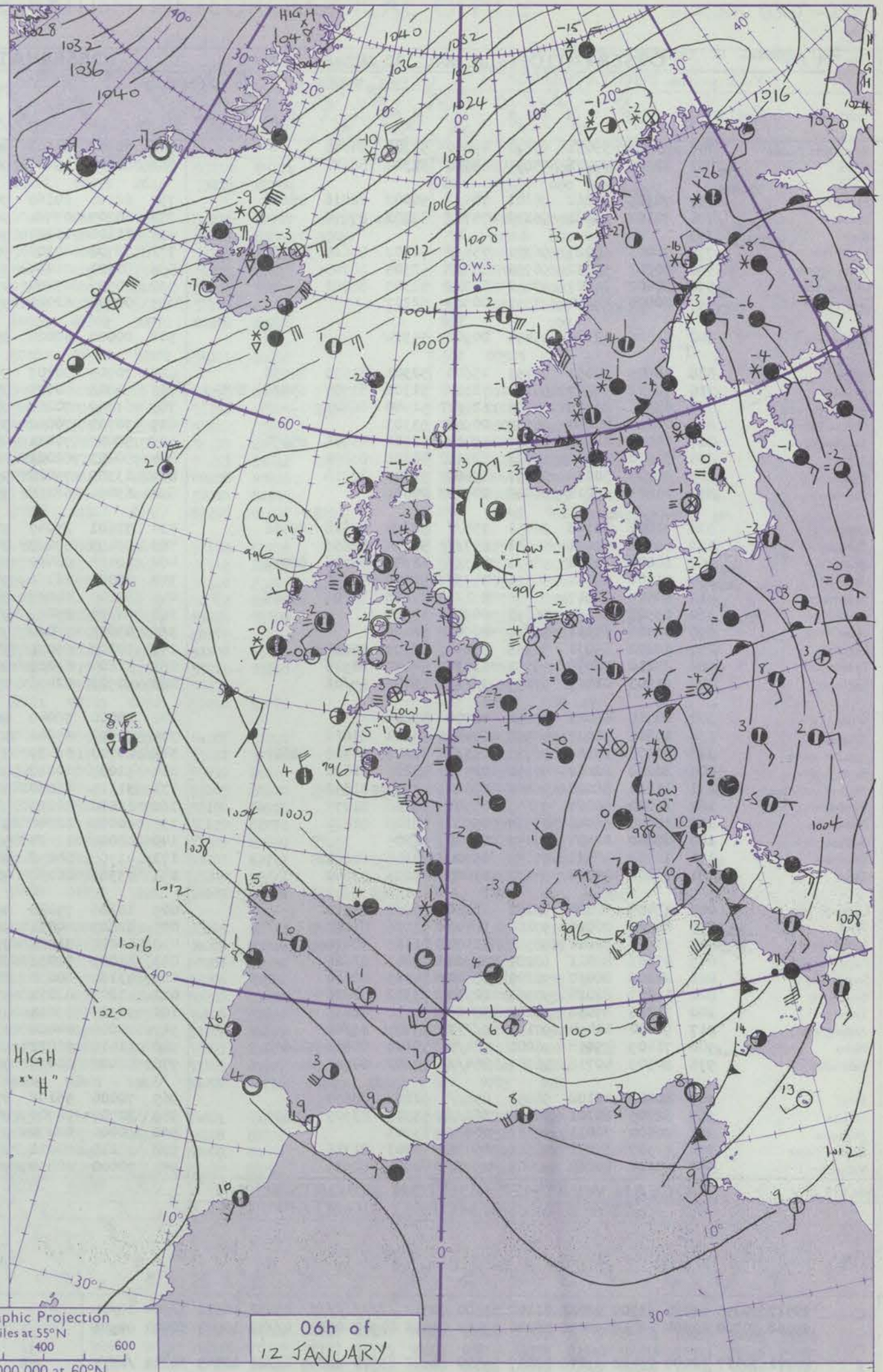
OCEAN WEATHER STATION REPORTS at 18h.

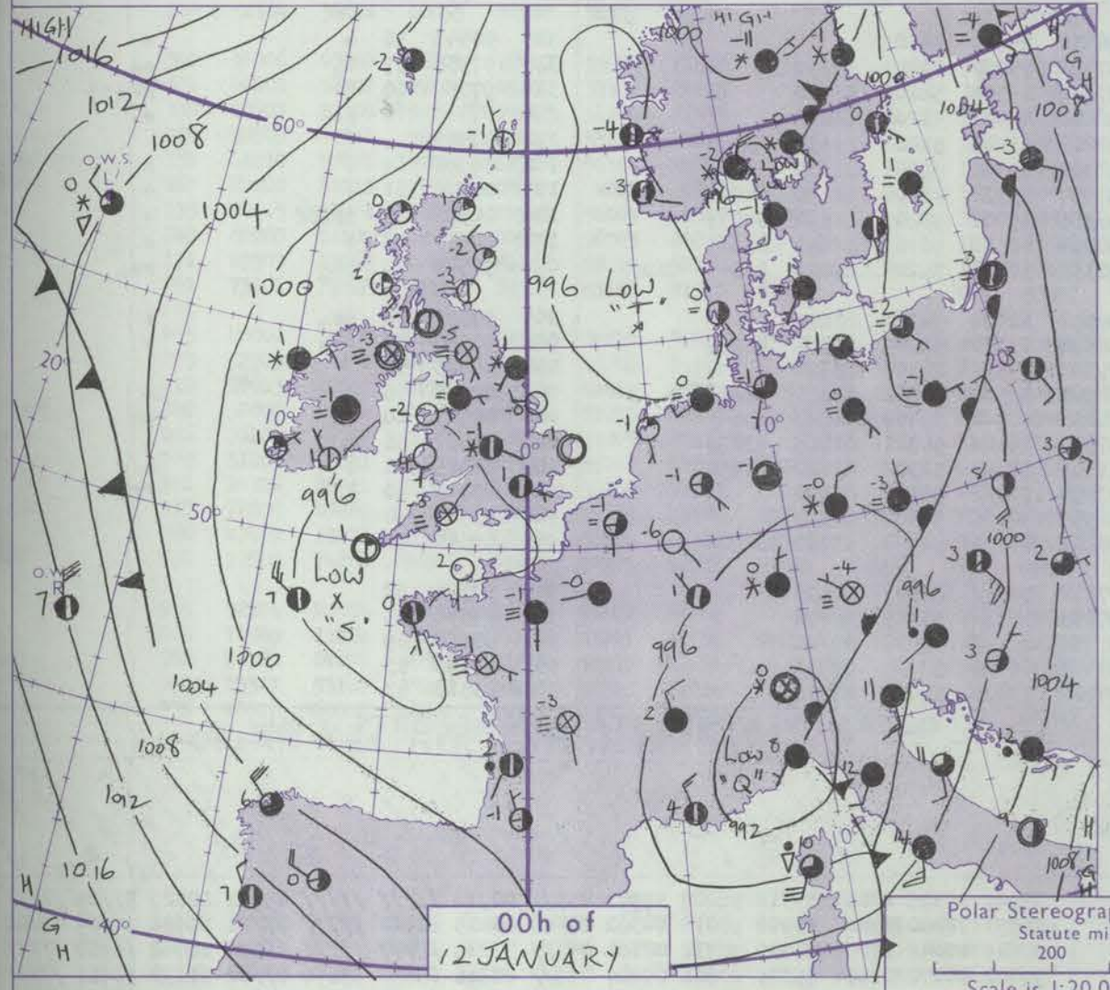
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	11181	83409	95106	23004	855//	00805	/////	/////	05402	10630	30504	18005
L	99569	70199	11184	73522	97268	10203	794//	00812	87910	/////	0//57	10992	31008	05904
M														
R	99470	70167	11184	53230	97028	12807	59500	00308	82920	83830	0//03	11184	30816	/////

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 12 JANUARY 1977

During the past 24 hours pressure has remained high over Greenland, with a ridge extending southwards to the Azores. The complex area of low pressure over the North Sea has extended westwards to cover the British Isles. During the next 24 hours a declining belt of high pressure will be maintained from Greenland southwards to mid-Atlantic. A wave depression is expected to develop to the southwest of the British Isles, and will deepen as it turns eastwards towards the English Channel.

Code FM 11.V

OBSERVATIONS at 00h. 12 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	40905	35051	95852	45600	53301	84648		
Hurn	862	62602	25401	95851	65500	51302	86622		
Manston	797	70305	61262	96101	784//	50002	82816	86650	
Gatwick	776	70102	14281	96152	757//	52301	87650		
Kew	775								
Heathrow	772	71006	50027	96301	754//	50302	82615	87650	
Honington	586	80202	56052	96951	862//	52305	88703		
Wattisham	590	80402	24227	97051	860//	52303	88701		
Gorleston	497	00000	48054	97351	00900	52207			
Aberporth	502	01806	12284	95454	00900	55304			
Filton	628	40905	30051	95451	45600	52301	81635	84650	
Rhoose	715	72702	38877	95100	783//	51302	81707	85820	87647
Hartland Point	703	63505	86019	94703	625//	51500	86821		
Mount Batten	827	01203	40050	95552	00900	53303			
St. Mawgan	817	60000	62028	95651	39403	52301	83918	85070	
Scilly	804	30000	82028	96001	32500	00601	83821		
Culdrose	809	40203	70018	95751	49400	51502	82918		
Guernsey	894	01805	68018	96002	00900	00601			
Elmdon	534	71002	30718	96451	754//	52204	83618	87656	
Cardington	559	80902	62021	96851	857//	51304	88656		
Wittering	462	80202	13102	96651	863//	51303	81708	88710	
Watnall	354	71702	28102	96551	757//	51305	87650		
Shawbury	414	80502	22717	96051	871//	51203	83702	88706	
Finningley	360	03502	05464	96653	00900	53304			
Spurn Point	396	02708	64011	96650	00900	52104			
Leeming	257	52802	65031	96955	55400	56307	85612		
Tynemouth	262	23210	56038	96752	13530	54207	81925		
Carlisle	222	91503	01477	97255	9////	55208	89/01		
Valley	302	00710	66021	95852	00900	53203			
Ringway	334	10806	30047	96952	15400	54304	81618		
Squires Gate	318	80803	15105	96751	853//	51207	84708	88614	
Ronaldsway	204	20210	82260	96151	12501	53204	81820		
Mull of Galloway	131	11112	86020	96801	15600	53104	81630		
Eskdalemuir	162	10000	80021	97657	00901	59206	81075		
Prestwick	135	10000	56041	97557	15500	58206	81620		
Abbotsinch	140	00000	02484	97453	00900	55205			
Leuchars	171	12702	82011	97153	15700	55206	81650		
Dyce	091	23208	80038	97352	25600	55206	82640		
Lerwick	005	13405	82020	98151	11400	55208	81815		
Wick	075	20308	80018	97801	18402	53206	81818		
Sule Skerry	010	33606	81011	98504	22570	01103	82820		
Cape Wrath	049	21803	82011	98201	25500	56203	82625		
Stornoway	026	20202	80030	98200	25600	54303	82630		
Benbecula	022	11207	82028	97551	12500	53302	81820		
Tiree	100	31216	87038	97102	38400	51210	81818		
Aldergrove	917	90000	01494	97153	9////	53307	89/00		
Malin	980	71409	75018	96001	784//	50108	85818	86632	
Belmullet	976	80509	40718	96901	864//	00302	88711		
Birr	965	80000	48102	96851	856//	51202	88630		
Dublin	969	62605	60101	96452	662//	53301	83705	85635	
Shannon	962	00000	70011	97152	00900	53303			
Roches Point	952	13307	65031	96601	16401	50303	81716		
Valentia	953	20504	80268	97401	23400	00803	82919		

OBSERVATIONS at 06h. 12 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	50908	14101	96253	55600	53501	85635		
862	80603	15288	96153	860//	53301	88700		
797	82106	10868	96200	822//	50301	82703	88815	
776	80203	07464	96551	860//	51304	88700		
775	81101	13102	96851	862//	51303	88703		
772	81702	25102	96951	862//	51205	85703	87705	
586	80603	01444	97152	860//	53301	88700		
590	80507	05464	97152	860//	52302	88700		
497	00000	62021	97552	00900	52302			
502	00000	60020	95853	00900	54201			
628	70905	30207	95751	754//	51500	84616	87650	
715	70806	40778	95650	762//	51400	87704		
703	61809	70268	95200	685//	00301	83820	85650	
827	30703	70010	95653	35600	54203	83640		
817	50000	70011	95852	594//	53304	85918		
804	50203	82021	96601	52500	00206	85820		
809	13305	75010	95952	19400	53303	81918		
894	63004	68268	95901	684//	51501	85816		
534	73601	25047	97152	755//	53303	87620		
559	70403	57227	97151	752//	51302	85704	85712	87656
462	80102	08462	97151	851//	52304	84702	88645	
354	80301	26102	97151	856//	52303	88640		
414	81203	04467	96952	860//	52304	83700	85701	88705
360	83302	15044	97553	856//	54304	88645		
396	03003	58020	97351	00900	52201			
257	10102	65021	97555	16400	56302	81710		
262	32604	69268	97752	23530	55101	82925		
222	90902	02474	97856	9////	57101	89/01		
302	00000	58040	96552	00900	54302			
334	71602	35041	97452	757//	53201	87650		
318	20703	06427	97356	15501	56101	81620		
204	51009	80018	96800	48402	52201	83818		
131	31113	86030	97200	15605	51001	81630	83275	
162	10000	80020	98358	00901	59001	81075		
135	40000	62040	97957	15731	58400	81650	84075	
140	40000	16104	98356	15702	58203	81650	84075	
171	42308	80031	98054	48500	56303	82820	83645	
091	73305	80268	98353	38501	55206	81820	83645	86068
005	10306	75028	99051	12400	54302	81815		
075	52803	80031	98554	35630	55303	83635	84359	
010	60000	81021	99303	655//	00203	86625		
049	51803	82031	98900	58500	55202	83820	85625	
026	43102	80030	98655	48500	57400	81820	83645	
022	41207	82020	97951	28402	54301	81818	83075	
100	51315	86011	97501	58500	52302	81820	85650	
917	70000	04484	97555	760//	56102	87700		
980	31412	80011	96550	38430	54302	81818		
976	42406	81018	96101	49500	51704	83921	82921	
965	70000	56102	97152	756//	52301	87630		
969	82707	58704	97053	861//	53305	88702		
962	90000	02474	97753	9////	53302	89/01		
952	23210	70011	97150	26400	52303	82711		
953	70000	60858	97450	734//	51000	87918		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00553	56	+	ff
862	01577	60	ps_ps_pFf	ffF
797	03537	58	ps	$phsps_ops_ps_o$
776	00553	59	1f	1fff
775	00515	53	+	+
772	97511	52	sh	+
586	00533	53	+	ff
590	97533	53	s_of	ff
497				
502	00553	58	FF	+
628	97528	57	+	sh
715	97533	59	sph_osh	$shph_oshsh$
703	01516	53	+	+
827	00543	58	+	+
817	95537	55	ps_o	ps_o
804	02004	53	phphr	+
809	97546	59	ps_o	+
894	02506	55	$ps_opr_os_o$	$pr_os_oph_ops_o$
534	97536	57	$ps_os_os_o$	s_os_oiff
559	97523	52	+	$1s_o$
462	00513	52	+	ff
354	97525	55	+	$1s_o$
414	01567	58	s_os_osif	1ffff
360	97543	58	ff	ffs_o
396			+	+
257	00575	59	+	+
262	97557	55	ps_o	ps_o
222	00577	58	ffFF	FFff
302	00543	58	+	+
334	97535	57	s_o	s_o
318	97586	60	fF	FFs_of
204	97525	56	ps_o	+
131	00513			
162	00596	62	+	+
135	00576	61	+	+
140	00595	64	1ffff	+
171	00555	58	+	+
091	97549	59	ps_o	ps_o
005	97537	56	ps_o	+
075	91556	57	ps_o	+
010	00013	53		
049	00007	56	+	+
026	00566	60	+	+
022	00537	56	+	+
100	00015	51	+	+
917	92573	60	FF	ff
980	93513	54		
976	09506	52		
965	97523	52		
969	97536	54		
962	97553	59		
952	97513	53		
953	03518	53		

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	12001	63309	98022	21102	65500	00712	/////	/////	05852	10632	3//04	18/05
L	99568	70200	12004	60310	96858	08200	49402	00815	84910	85072	0//52	10993	30401	01906
M														
R	99471	70167	12004	73428	97278	12007	79500	00602	83920	86830	0//03	11145	30815	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	12061	83512	98027	17901	855//	00716	/////	/////	05952	10627	3//05	/////
L	99571	70200	12064	23518	98018	04302	29400	00825	81912	/////	0//61	10984	30705	06804
M	99649	10042	12064	71030	97712	02101	755//	72213	/////	/////	06154	10748	30910	/////
R	99472	70170	12064	73325	97801	09407	785//	00816	84830	83650	0//02	11137	30711	/////

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.

42056

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue THURSDAY 13 JANUARY 1977

M 11.V

OBSERVATIONS at 12h. 12 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
mbe Down	746	90806	01494	99353	9////	53207	89///		
	862	83202	14704	98852	3842/	53107	81818	83630	88462
ton	797	61608	40858	98501	692//	50105	82704	85925	
ick	776	80000	36104	98950	862//	51105	88705		
	775	70000	50057	98901	764//	52103	87710		
row	772	72804	40057	98901	754//	51004	85710	87615	
ngton	586	80402	02444	99451	860//	51104	88700		
isham	590	80406	13714	99051	850//	51003	82701	83706	88635
eston	497	40303	60227	99301	40970	01003	84360		
porth	502	01606	60050	98351	00900	53103			
	628	80905	22707	98650	852//	52006	84705	86710	88625
se	715	81107	30057	98700	852//	51008	86704	88640	
nd Point	703	82102	58837	98001	49432	51307	84918	86360	
t Batten	827	10202	60051	98303	19403	00107	81918		
awgan	817	51906	82028	98502	59403	53108	82912	85820	
	804	33303	84020	99506	32500	01211	83820		
ose	809	30000	70268	99050	29403	53012	82915		
nsey	894	72409	81158	98803	693/3	01107	82708	84810	81914
on	534	80802	26044	99751	863//	53108	88707		
ington	559	80102	17717	99651	862//	51004	88704		
ering	462	70902	30044	99551	762//	52105	87704		
all	354	20603	23227	99551	25400	53105	81712		
bury	414	91503	04434	99652	9////	53108	89/01		
ngley	360	63304	30717	99751	685//	53002	81820	86650	
Point	396	40000	40011	99801	15670	51105	81645	84360	
ing	257	20102	59031	00153	15502	55106	81620		
mouth	262	52809	61021	00253	20936	57105	82358	84075	
sle	222	51104	58024	00055	00902	56102	85075		
y	302	10906	60040	98801	18400	53003	81818		
way	334	40000	18047	99800	45600	53105	84645		
es Gate	318	10903	32104	99653	00901	54104	81075		
ldsway	204	50809	63011	99001	42402	53102	84818		
of Galloway	131	61210	82021	99401	625//	51104	86825		
alemuir	162	60000	81012	99752	00902	54001	86072		
wick	135	70605	59041	99953	11548	56004	81825	87075	
otsinch	140	60000	12104	00355	00902	56003	86075		
hars	171	83503	13868	00452	862//	53211	88705		
	091	73207	75028	00351	29308	53105	81908	87270	
wick	005	40000	81030	01601	49401	54210	81912	83635	
k	075	52703	84151	01052	49432	53206	81916	83822	
Skerry	010	60903	84031	01705	32506	50212	83820	86275	
Wrath	049	50000	82012	01503	48508	51210	82820	84625	85270
howay	026	31206	86021	00902	18402	54205	81818		
pecula	022	51209	86021	99901	18502	53106	81820	85075	
e	100	21316	89011	99303	11402	52106	81818		
rgrove	917	72105	09464	99354	25032	55103	81700	87070	
n	980	41409	83030	98201	19502	53304	81920	83075	
hullet	976	72803	74268	96803	63463	50706	82717	85920	83920
	965	92101	02454	99453	9////	53109	89/02		
lin	969	72503	12854	98552	761//	53101	82701	83704	
non	962	91504	04494	99352	9////	53203	89/01		
nes Point	952	23307	58100	99251	26400	52103	82714		
ntia	953	40000	65018	98802	43400	02002	84918		

OBSERVATIONS at 18h. 12 JANUARY 1977

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	80303	16104	00953	860//	53213	88701		
862	83305	14107	00853	862//	53216	88704		
797	72005	40108	01051	783//	52115	82707	84815	86645
776	81201	26702	00651	853//	52211	83709	88640	
775	70000	58052	00651	764//	52211	87715		
772	70303	56052	00600	754//	51211	87617		
586	80901	15107	00651	860//	51110	88701		
590	90405	01457	00450	9////	50109	89/00		
497	30000	64028	00802	30970	01208	83360		
502	11707	50100	99553	18400	54111	81812		
628	81603	30057	00200	853//	51212	86709	88630	
715	81507	56052	00350	862//	51113	86704	88705	
703	51708	66018	99501	59400	52112	83910		
827	13602	58050	99800	15600	51111	81630		
817	41806	70028	99901	49400	51213	81912	84822	
804	62605	75011	00103	48402	00210	83816		
809	42705	75011	99902	49400	52010	82915		
894	70000	70168	01202	795//	51216	85822	82925	
534	80000	45042	01051	863//	53112	88708		
559	80000	35707	01151	863//	51112	88707		
462	80102	20717	00851	852//	51210	83705	84626	88650
354	80000	40047	00951	863//	52212	88706		
414	81604	09718	00251	872//	51208	88704		
360	00000	12101	00953	00900	54109			
396	80000	35031	01250	5567/	51209	85645	88360	
257	10000	30100	01255	15502	55211	81620		
262	02710	66011	01253	00900	55209			
222	21303	62011	00755	00901	56210	82072		
302	11108	40040	99552	18500	54107	81820		
334	71605	40041	01151	764//	53212	87716		
318	60905	13284	00655	655//	55210	86625		
204	60810	58042	99501	685//	53105	81822	83826	85648
131	41107	83011	99801	43500	52104	84925		
162	20000	82011	01356	00901	58110	82074		
135	40802	58041	00655	25701	57208	82650	83075	
140	71102	11284	01052	754//	53207	82711	84616	85622
171	93606	08868	00952	9////	53204	89///		
091	33502	56268	01953	19201	54209	81704	81910	83070
005	62902	80270	02401	694//	53205	82912	84645	
075	62702	84028	02153	684//	54207	82818	85630	
010	60506	74032	02704	635//	00206	86920		
049	21403	82011	02301	28500	52206	81820		
026	11006	89020	01900	12400	53208	81818		
022	20908	86021	00951	12502	54106	81820		
100	11115	89010	00101	18402	52107	81818		
917	70000	50107	99652	35601	52203	83635	87075	
980	71413	80031	98650	18502	53303	81822	87075	
976	61510	64268	96401	634//	51000	82716	86920	84920
965	91506	03454	99254	9////	54001	89/03		
969	82904	04487	99554	861//	54208	88701		
962	91209	05494	98653	9////	53000	89/01		
952	93407	06434	98851	9////	52002	89/01		
953	60000	68018	98100	634//	51803	86918		

OBSERVATIONS during DAY

iii	RRT T_x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00533	000	ffFF	ff
862	04517	000	FF1fs.ssff	sss.ff
797	94036	034	ps	s.hls.
776	03506	000	+	s.s.Sffss
775	97011	001	s.	+
772	97013	000	sh	+
586	97503	000	ffs.	ff
590	92001	000	s.ffs.s.	ffFF
497		009		
502	00503	065	+	+
628	91005	000	s.	+
715	00003	000	+	+
703	02036	024		
827	00043	040	+	+
817	01056	054	ph.r.	+
804	00071	053	+	+
809	97046	045	ps	+
894	01045	002	ps.pr.ph.th	ph.
534	97515	000	+	s.
559	97503	000	1s.s.s.	1s.
462	91506	000	s.	s.s.
354	97515	006	1s.	s.
414	92517	001	ffFps.s.	s.s.ff
360	97503	000	s.s.	+
396			+	+
257	00525	046	+	1f
262	00017		+	+
222	00537	063	ff	+
302	00022	050	+	+
334	00013	028	+	+
318	00516	024	+	ff
204	97023	020	+	ps.
131	00023			
162	00506	053	+	+
135	00005	022	+	+
140	00525	011	1f	1f
171	04517	000	phps	ps
091	01019	000	ps.pSf	ps.
005	97027	031	+	ph.ps.
075	97036	005	+	ph.ps.
010	00053			
049	00037	053	+	+
026	00026	054	+	+
022	00016	022	+	+
100	00035	054	+	+
917	92518	001	ffs.f	fs.s.ff
980	9702	060		
976	9705	028		
965	9752	000		
969	9752	000		
962	9752	000		
952	9750	044		
953	0102	015		

M 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	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
	99527	70355	12121	60210	97258	16304	63400	00304	/////	/////	05403	10635	30504	35206
	99570	70198	12124	43407	98160	01402	49403	00706	81910	83814	0//53	10979	30702	03906
	99654	10030	12124	50722	97272	05502	49501	72223	/////	/////	06154	10772	30706	/////
	99473	70170	12124	52924	97022	08509	22542	00809	82830	85070	0//04	11101	30710	/////

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	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	12181	60611	98018	17104	34560	00304	/////	/////	05101	10608	30605	35206
L	99569	70199	12184	70125	97158	99705	49206	00814	82704	82910	0//53	10993	31006	09805
M	99660	10027	12184	30620	97028	07302	36500	82208	/////	/////	06057	10754	30605	/////
R	99470	70170	12184	82628	97028	03009	5257/	41720	85830	88360	0//06	11177	30710	/////

of observation printed in this publication are GREENWICH MEAN TIME.

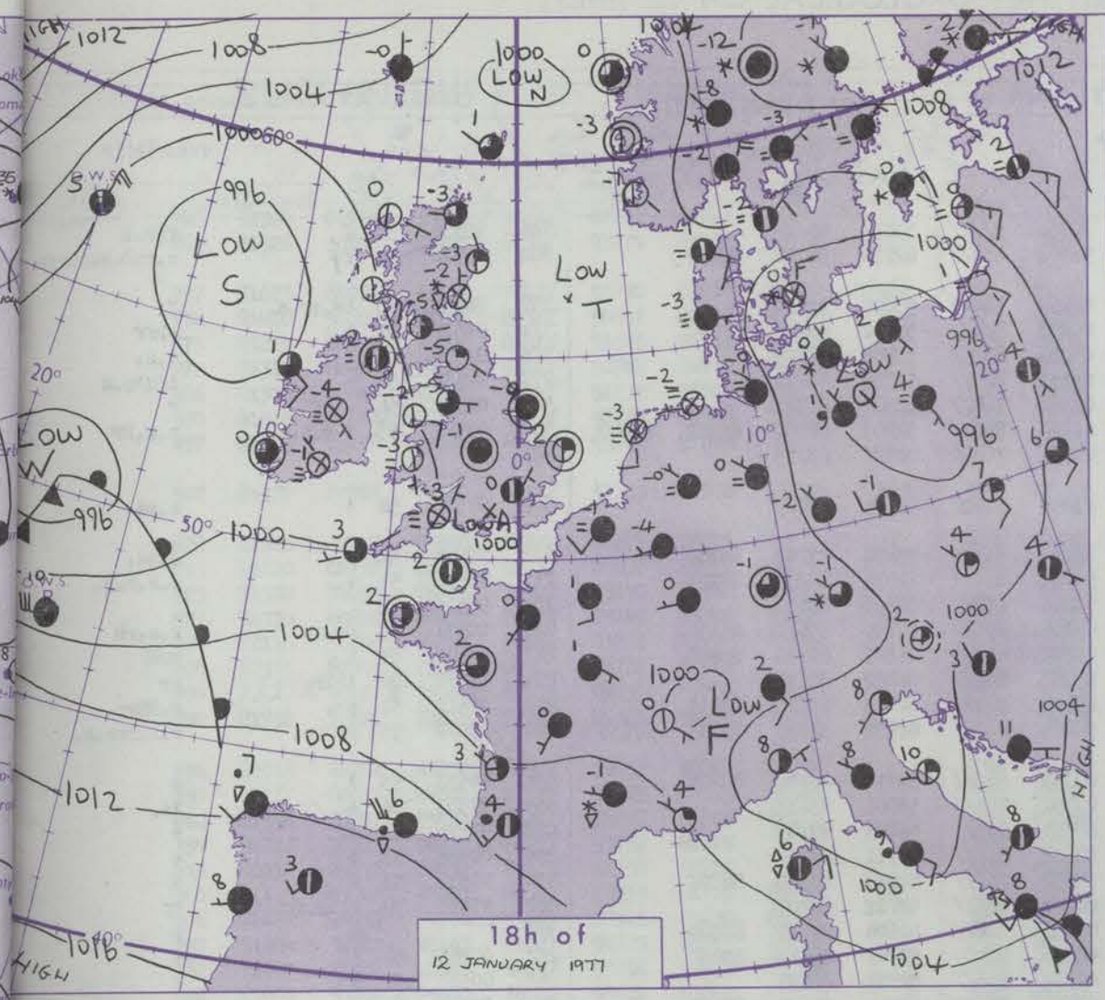
CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE

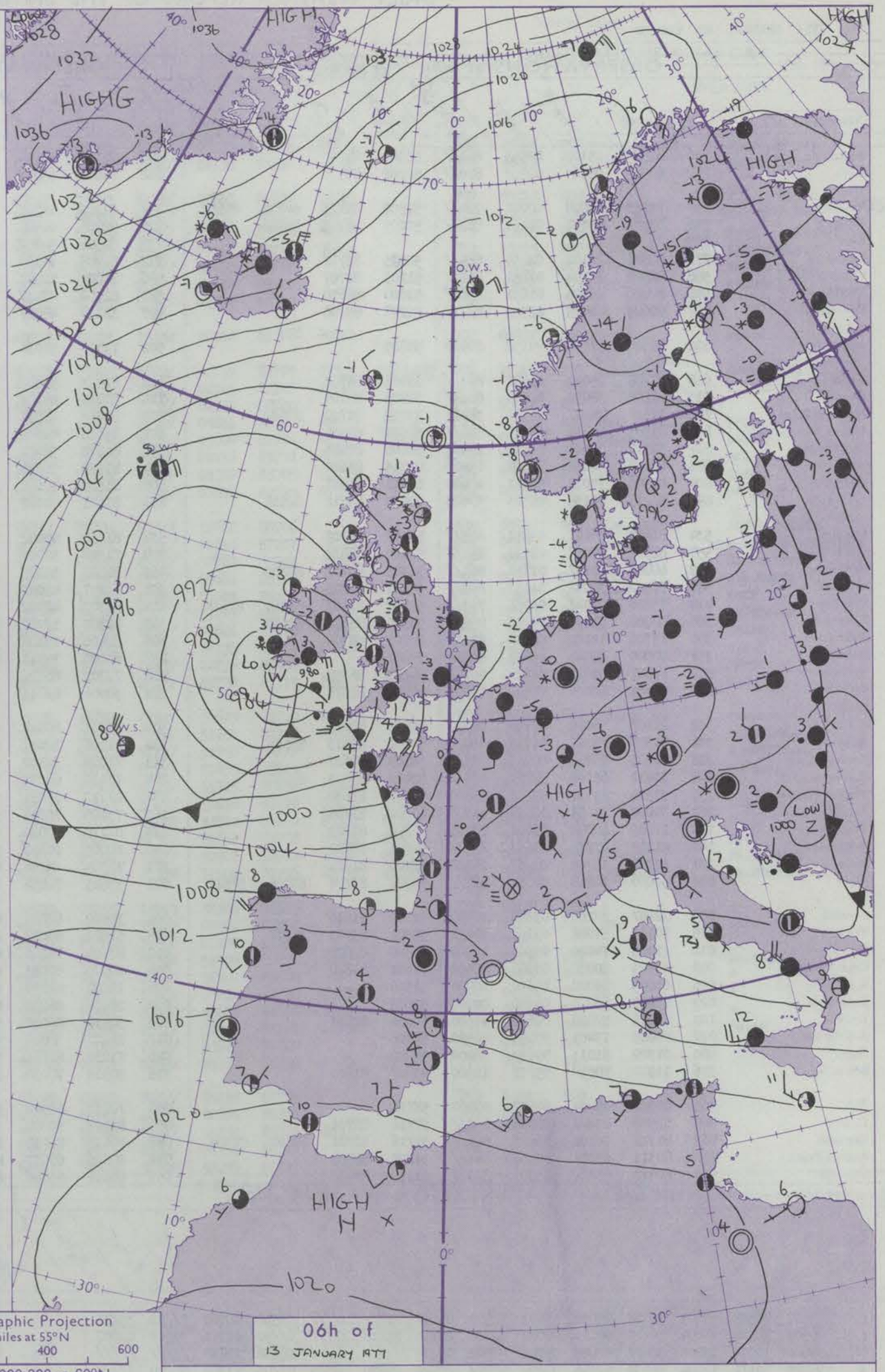
NAUTICAL MILES

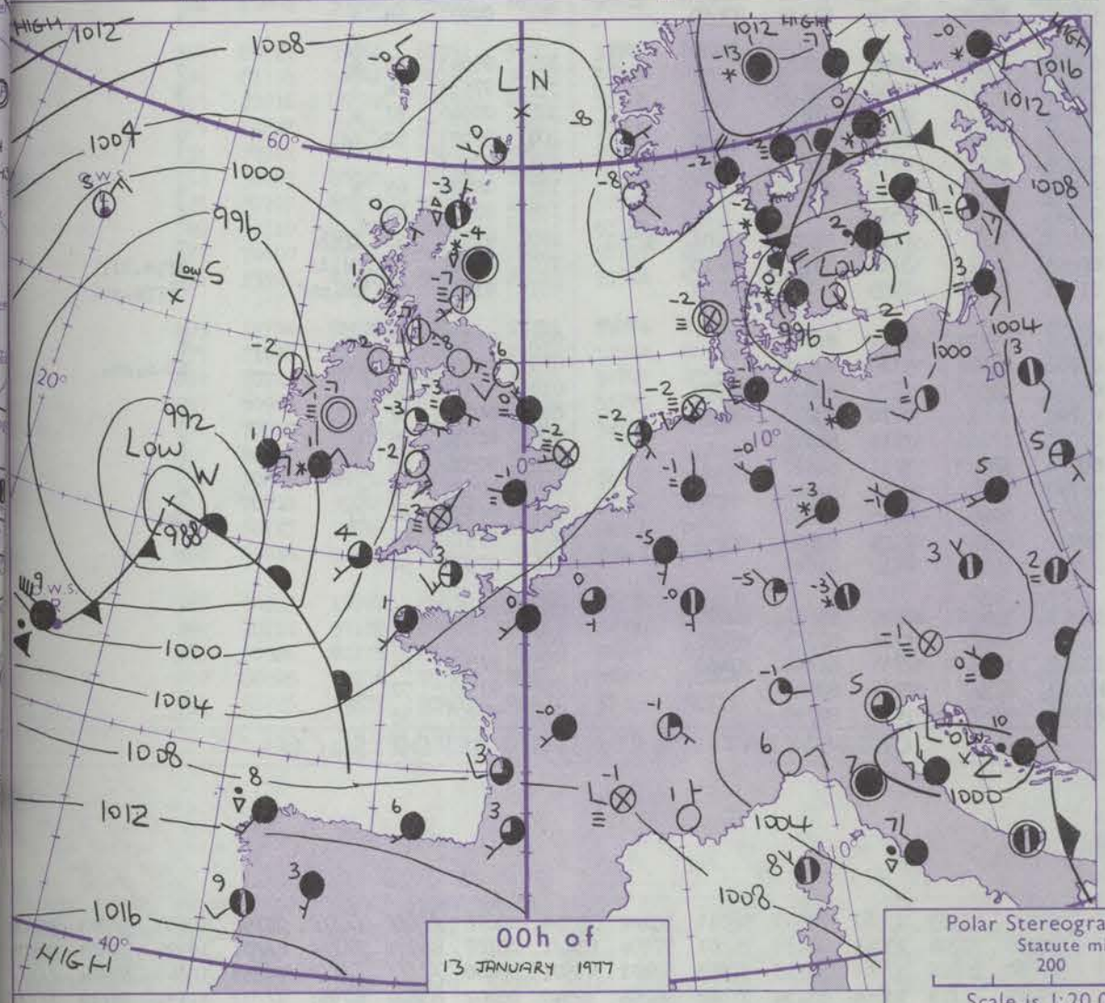
0 100 200 300 400 500 1000 1500

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

12 h of
12 JANUARY 1971







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

Issued at midday THURSDAY 13 JANUARY 1977

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours a developing low to the west of the British Isles moved rather quickly southeast later turning eastnortheast into the Southwest Approaches, bringing within its circulation a rather shallow low pressure complex which covered the British Isles at the beginning of the period. During the next 24 hours the low is expected to deepen further and move across Southern England reaching East Anglia by the end of the period.

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

Code FM 11.V

OBSERVATIONS at 00h. 13 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	$T_dT_d$app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	81503	25102	02553	861//	53303	88702		
Hurn	862	80902	08464	02252	870//	52102	88700		
Manston	797	71713	62028	02001	784//	51302	82713	84818	85650
Gatwick	776	83402	28107	02251	862//	51209	84705	88706	
Kew	775								
Heathrow	772	82801	26102	02151	854//	52105	82712	87616	
Honington	586	82802	27104	01851	863//	51203	88707		
Wattisham	590	80000	25704	01651	856//	51000	88630		
Gorleston	497	92603	01478	02552	9////	52207	89/00		
Aberporth	502	01514	57050	99152	00900	54805			
Filton	628	81206	25042	01652	863//	53001	88707		
Rhoose	715	81208	58052	01050	862//	52803	88704		
Hartland Point	703	31513	74017	99851	35411	53802	81710	83650	
Mount Batten	827	81305	40831	00301	896//	52504	88936		
St. Mawgan	817	31712	80031	99600	29403	51608	82918		
Scilly	804	62107	82026	99004	65500	01715	86620		
Culdrose	809	41306	75018	99701	49400	00710	82917		
Guernsey	894	52213	75158	02303	59400	00500	84812	82918	
Elmdon	534	81603	56047	01851	863//	53000	88707		
Cardington	559	82502	59057	02151	854//	51400	88613		
Wittering	462	80000	22107	01751	861//	51301	85702	88703	
Watnall	354	82102	30047	01652	862//	53801	88703		
Shawbury	414	71806	28047	01051	753//	52000	81707	83710	87614
Finningley	360	80000	03467	01953	855//	53500	85626	88650	
Spurn Point	396	83306	12102	02000	8097/	00103	88360		
Leeming	257	00000	35044	01857	00900	57801			
Tynemouth	262	62807	61021	02354	6097/	56103	86358		
Carlisle	222	11104	62020	01558	00901	60801	81075		
Valley	302	21107	56040	99753	00902	55805	82075		
Ringway	334	81307	25227	01752	854//	54802	85613	88656	
Squires Gate	318	81005	19101	00953	855//	54703	88627		
Ronaldsway	204	71412	65268	99701	785//	52400	85823	87650	
Mull of Galloway	131	31510	81030	99702	35600	53807	83630		
Eskdalemuir	162	30000	57051	02058	36300	60802	83708		
Prestwick	135	11205	60040	01057	00901	58802	81075		
Abbotsinch	140	81302	07774	01654	871//	54801	88702		
Leuchars	171	12307	15408	01457	19400	57400	81912		
Dyce	091	80000	10868	02654	822//	55302	81704	83706	87812
Lerwick	005	22807	80268	03300	29400	51002	81910		
Wick	075	70103	59888	03153	794//	55301	83913	85817	
Sule Skerry	010	21405	74020	03503	22500	01500	82820		
Cape Wrath	049	40903	80030	03001	42500	51501	84820		
Stornoway	026	01005	89020	02600	00900	51500			
Benbecula	022	00910	86020	01550	00900	53602			
Tiree	100	11214	89020	00601	15500	55001	81627		
Aldergrove	917	00903	15404	99453	00900	54706			
Malin	980	01309	81011	99153	00900	55802			
Belmullet	976	11310	78018	95752	12500	53807	81821		
Birr	965	00000	05424	97657	00900	58716			
Dublin	969	61902	05484	98656	660//	57710	86701		
Shannon	962	81112	30104	96453	860//	54716	82701	84702	87704
Roches Point	952	80311	65707	95101	863//	51727	88708		
Valentia	953	80812	68022	93301	8097/	51832	88460		

OBSERVATIONS at 06h. 13 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	$T_dT_d$app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	91110	09494	99352	9////	52723	89///		
862	81610	65277	98502	854//	02729	86710	88627	
797	51202	12108	02252	56000	53602	85700		
776	90905	04497	01453	9////	53812	89///		
775	81306	50052	01352	862//	53806	88705		
772	81205	14104	01353	860//	53710	88701		
586	70000	12107	01351	764//	52805	87711		
590	82302	08417	01551	850//	51803	84700	85612	88640
497	32110	48227	01701	36400	00707	83715		
502	71319	57031	93252	7092/	53740	87465		
628	81013	30102	98152	861//	53826	83702	88703	
715	80913	45102	96651	861//	51831	86702	88703	
703	81218	68031	93201	857//	00739	88650		
827	81618	65608	93104	855//	01749	85620	88632	
817	81622	58622	90202	6632/	01763	86706	88550	
804	81923	50636	85307	854//	06792	88612		
809	81520	30656	88804	3732/	04775	83709	88515	
894	81621	70022	98404	853//	02830	82706	85709	87635
534	81310	45042	00153	862//	54714	83704	88705	
559	71306	59052	01351	754//	53807	87613		
462	81807	59022	00751	863//	54708	88709		
354	81207	45042	00452	863//	54711	88707		
414	81307	42042	98552	862//	54818	86705	88707	
360	82302	12287	00252	863//	52712	88709		
396	82406	12102	00851	7567/	51604	87635	88360	
257	60000	35041	00756	65400	57709	85614	83650	
262	72702	66021	00754	756//	57814	87635		
222	30906	62011	99757	35600	60714	81635	83650	
302	20811	60040	95854	00902	56825	82075		
334	81206	50047	99952	864//	55811	88712		
318	71009	32102	98652	754//	53816	87619		
204	71119	60032	96601	784//	52820	84816	85634	
131	81122	70031	97201	856//	00715	88630		
162	73405	70031	99955	756//	58713	87642		
135	01110	80020	99156	00900	57513			
140	70000	20047	99953	762//	55713	81703	83704	87711
171	72305	15854	00253	782//	53710	83705	84813	
091	53503	70858	01155	58200	56709	83705	83820	
005	30000	82011	02751	39400	55604	81910		
075	51502	80038	01401	48402	55710	83818		
010	83604	74261	02402	43507	01804	84920	88275	
049	60905	82031	01701	3253/	53710	83820	86360	
026	11007	82030	00901	12400	53711	81816		
022	20909	86030	00050	18502	53711	81820		
100	30910	89030	98750	11502	54711	81820		
917	21107	30041	96251	25600	54718	82634		
980	71014	82031	96401	685/2	52714	83820	85645	
976	30913	78030	92753	15632	54718	81640		
965	70712	62024	90552	556/2	52740	85630	84070	
969	81208	50854	93300	862//	51734	82703	88706	
962	70618	82012	87400	1567/	52751	81640	87460	
952	80826	60617	84203	873//	02767	88708		
953	80616	65686	81903	864//	51764	88718		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–
746	92535	53	f	ffs.s
862	01526	54	ff	s.sph.s.prsps
797	96535	58	ps.pr.s.	f
776	91537	51	s.	shff
775	91536	57	+	s.s.
772	92536	56	+	ifshs.s
586	02537	56	s.sf	f
590	03547	55	F-s.s.s	s.s.FF
497				
502	97536	54	+	s.ss
628	92538	52	+	s.ss.
715	96516	51	+	s.s.r.s.
703	95516	53		
827	10531	54	pr.s.	r.s.rR
817	13512	54	+	rrR
804	16012	00	irir.	rr
809	18512	52	ph.	r.RRrr
894	03022	55	ph.pr.	r.s.rrr.r.
534	00533	53	+	+
559	97533	56	+	is.
462	97526	53	s.	+
354	00535	53	+	+
414	00537	53	+	+
360	97535	58	ffis.ff	ff
396			+	+
257	00585	58	+	+
262	00567	57	+	+
222	00597	64	+	+
302	00543	56	+	+
334	97533	54	s.	+
318	00566	57	+	+
204	97003	52	ps.	+
131	00503			
162	00596	63	+	+
135	00575	60	+	+
140	97555	58	ifsh	+
171	01627	63	ps.if	ifps.iff
091	03579	59	ph.psf	pSfps.ph.
005	01527	56	ps.	+
075	01556	57	phs	ph.s.ps.
010	91013	53		
049	00017	57	+	+
026	00536	55	+	+
022	00526	58	+	+
100	00525	56	+	+
917	97556	60	ff	ps.
980	97516	56		
976	97505	54		
965	97573	59		
969	97575	58		
962	97543	54		
952	01521	52		
953	97005	53		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	13001	70708	98032	17103	78500	00000	/////	/////	05550	10603	3//03	35/06
L	99569	70200	13004	10115	98021	98005	12400	61715	81818	/////	0//52	10971	30503	02007
M	99660	10014	13004	50617	97022	09102	45502	00205	/////	/////	06156	10740	/////	/////
R	99470	70172	13004	82938	97616	97009	4557/	00720	84620	88360	0//06	11184	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$
C	99527	70355	13061	70509	98011	15102	75500	00616	/////	/////	05752	10637	3//03
L	99569	70206	13064	70418	96801	97304	634/1	00707	86914	/////	0//01	10999	30503
M	99660	10022	13064	50718	97868	09401	43501	00400	/////	/////	06253	10744	30504
R	99472	70173	13064	53134	97028	98208	32540	00207	83820	82360	0//02	11131	30712

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, Me

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

057

Date of Issue FRIDAY 14 JANUARY 1977

OBSERVATIONS at 12h. 13 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
be Down	746	91324	06754	88400	9////	00772	89///		
	862	81526	35698	87903	6732/	03774	81707	86710	88515
	797	81623	68021	98801	7242/	51830	83710	86812	88460
k	776	81416	58684	94701	873//	50847	82709	88712	
	775	81214	60027	94402	864//	51848	86712	88715	
ow	772	81316	60027	94202	854//	50748	86712	88618	
gton	586	81313	48057	97601	853//	51732	86709	88656	
ham	590	81516	60027	98101	6632/	50730	86708	85612	88460
ton	497	61623	48258	99602	656//	53825	86630		
rth	502	81327	20707	79400	6531/	51783	82706	83640	88463
	628	81328	07757	85500	870//	00777	88701		
	715	91120	08737	82800	9////	00878	89/01		
d Point	703	71324	74032	78703	753//	03750	82708	87640	
Batten	827	82330	40819	80407	893//	05748	83706	84914	88620
wgan	817	72116	80256	79005	59463	03831	81710	83915	85070
	804	62323	62949	77007	69400	04737	86912		
se	809	72222	64258	78907	6833/	03736	82708	83915	
sey	894	81732	57626	86606	872//	05765	84704	87706	
n	534	81015	20702	92000	873//	52855	86708	88710	
gton	559	81117	62037	94601	6552/	52847	86625	88462	
ring	462	81316	28047	95551	862//	52838	85703	88704	
all	354	80912	30222	94952	862//	53737	88704		
bury	414	81012	08737	89951	871//	51758	88702		
gley	360	81113	59042	96351	863//	53833	86709	88710	
Point	396	71417	58032	97900	5567/	00725	85630	87360	
ing	257	81204	38702	97453	863//	54723	84707	88710	
mouth	262	72707	17058	98254	4567/	55718	84630	87358	
le	222	21008	58040	95853	18502	55827	81822		
	302	80724	58041	87351	3567/	53749	83640	88359	
way	334	81114	56042	94351	3642/	53850	83712	88465	
es Gate	318	80916	45042	92752	6552/	54845	82620	86650	88460
ldsway	204	80827	57042	91251	884//	51835	82711	85813	88616
of Galloway	131	70922	80012	93500	785//	56725	84825	87630	
alemuir	162	30403	80021	96955	22501	57823	82822	83075	
wick	135	30707	65030	95853	18504	57824	81825	83080	
otsinch	140	60710	45201	96851	663//	53724	82707	85710	
hars	171	70000	57264	98200	792//	51715	82704	83706	85908
	091	23305	40278	99852	29200	53814	81704	81910	
wick	005	11704	82020	03002	13401	54804	81912		
k	075	21006	82268	01201	29432	52804	82914		
Skerry	010	70713	81011	02004	32501	50703	83820	87075	
e Wrath	049	60905	82012	01202	48506	53703	82820	84625	86270
noway	026	70910	82021	00202	22542	52706	81820	87070	
becula	022	40911	87011	98901	18502	53806	81820	84075	
e	100	30813	89030	97501	28502	54709	82820		
ergrove	917	70612	58048	92600	784//	53722	83714	85820	86626
in	980	60727	75018	93802	624/2	54812	86818		
mullet	976	60614	59101	91601	48532	52604	82820	83640	85070
r	965	90317	10707	84850	9////	51728	89/02		
blin	969	80722	59108	86201	864//	52741	85712	88620	
nnon	962	80526	40716	83101	873//	52815	82706	83709	86716
ches Point	952	80225	20716	75501	871//	00729	88702		
entia	953	80326	25687	82402	864//	50328	88711		

OBSERVATIONS at 18h. 13 JANUARY 1977

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	71824	40898	77603	793//	02833	83708	87914	
862	71920	62809	77207	794//	04738	81710	86918	
797	81637	40697	86003	873//	02865	84707	88709	
776	81822	58217	82004	853//	04750	86709	88617	
775	81414	58587	81504	873//	02756	83708	88710	
772	81613	58617	81403	854//	03757	83710	88613	
586	91218	10717	86500	9////	00760	89///		
590	81328	15737	86700	870//	00760	88700		
497	81340	16727	90001	874//	01746	88710		
502	41113	64017	74001	25332	00516	81707	84070	
628	71115	50257	75002	6822/	02739	81705	85615	86458
715	81213	57697	73402	2732/	02746	82708	88547	
703	80710	60808	70403	873//	02740	88708		
827	82617	58808	70007	6932/	05651	82708	86915	88550
817	73412	59258	71404	49370	03509	82706	81915	85457
804	63223	58818	75406	69400	04253	83710	82912	
809	52712	62258	73004	59300	03312	83708	82915	83818
894	72035	58808	78907	724//	02842	82710	87824	
534	81115	58717	79701	873//	50642	88706		
559	81119	20717	82301	873//	01653	87707	88711	
462	81324	58717	83200	872//	50763	83703	88704	
354	81022	15717	82350	871//	50661	88702		
414	81116	08717	78400	870//	00642	85700	88705	
360	90920	11737	85100	9////	51763	89///		
396	81142	12697	91001	874//	00626	87710	88625	
257	80916	30717	89501	5742/	51738	85710	88557	
262	81028	69628	92203	8097/	00736	88358		
222	80817	56717	90351	854//	52730	81715	83620	88647
302	80725	15737	78701	6742/	50623	86710	88525	
334	80925	12717	81600	873//	51654	84708	88712	
318	90826	06757	82251	9////	51750	89///		
204	80632	10737	83750	872//	51635	88704		
131	80738	78022	87500	5562/	51725	85630	88460	
162	70213	60707	92653	3547/	56618	82710	83630	87360
135	70810	60031	92051	15538	53512	81620	83362	87270
140	80711	57048	93001	683/7	51612	81708	83814	85630
171	71005	57158	95201	794//	52807	82912	84820	86650
091	60707	58158	97901	68300	52504	81706	83814	85625
005	10000	82020	03255	12401	57306	81815		
075	70815	40888	00101	794//	00601	87912		
010	31110	81021	01604	35500	01105	83625		
049	40905	82858	00401	38560	51400	82820	83625	
026	20714	84011	99702	22400	52302	82818		
022	30512	86020	98251	18402	53202	81818	83070	
100	50516	88031	95501	58402	53604	81818	84633	
917	70513	66022	88900	755//	51610	83622	87630	
980	70429	70022	92002	725//	53608	87820		
976	50518	74012	91402	43502	54303	84820	83070	81920
965	83621	20707	85050	863//	51218	86706		
969	80525	15716	81901	861//	00605	88701		
962	83623	56107	86850	864//	53233	83715	87630	
952	83238	62027	80901	874//	51248	88714		
953	50122	62017	88902	52400	53230	81717	83822	

OBSERVATIONS during DAY

iii	RRT x T E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	25046	000	r.-r.s.ssSfr	r.prsphrprRr
862	21071	000	rRSRr.	pHRprtl.rphl
797	05045	003	rs	rsrosororrrs
776	22066	000	r.s.sfssS	sors.r.o p.prRS
775	13075	000	rosorsssfso	sRs -ssfrRpr
772	13065	000	s.r.s.rsssff	sr.s.r.d.r.r
586	09027	000	fFs.s	ssffs.s.r.s.
590	08037	000	FFs.	ssSSfr
497		020		
502	06027	000	ssfkss.s.	sss.r.
628	19045	000	ssfSfs s.r.s.	Rrsprrrr.
715	09045	003	r.s.rs-ssfr.	r.-r.s.rsr.d.
703	09062	015		
827	09091	020	rtl.Rprph.	prph.
817	06071	018	pr.prprh	pr.pr
804	02082	015	prtlr	pr.
809	05072	006	prpr.	prpr.
894	09082	005	rrr.r.	phrpr.pr
534	03016	000	s.s.ffssfss	ssffs.r.s.ir.
559	05036	000	is.s.ss	Ss.is.RSh r.s.
462	06017	000	s.sSf	Sss.s.ffrs
354	07017	000	shs.	s.s.ksffs
414	25027	000	SSff	ssff
360	07017	000	s.s	ssffhss.r.s.
396			+	ir.rs
257	94017	000	s.	s.s.s
262	01036		ps.	prrrrs
222	97017	034	+	s.s.
302	04017	000	is.sss.s.	s.s.sss.s.
334	02017	000	s.s.s	ssffs.ss.
318	04017	000	s.s.	s.sSSffr.s.
204	05019	000	s.	ssfs.s.
131	92013			
162	02517	018	s.	s.Ss
135	00515	030	+	+
140	97015	014	sh	ps.
171	01027	003	ifps.ps	ps.pr.s.ps
091	02039	001	ph.s.psf	ps.phstlhs
005	00037	057	+	+
075	01036	012	ps.	phps.
010	00043			
049	01037	031	+	ps.ph.
026	00036	056	+	+
022	00026	062	+	+
100	00025	056	+	+
917	96019	000	+	ps.ps
980	9703	006		
976	9703	018		
965	0101	000		
969	0502	000		
962	9302	000		
952	2203	000		
953	0403	000		

OCEAN WEATHER STATION REPORTS at 12h.

FM 21.V

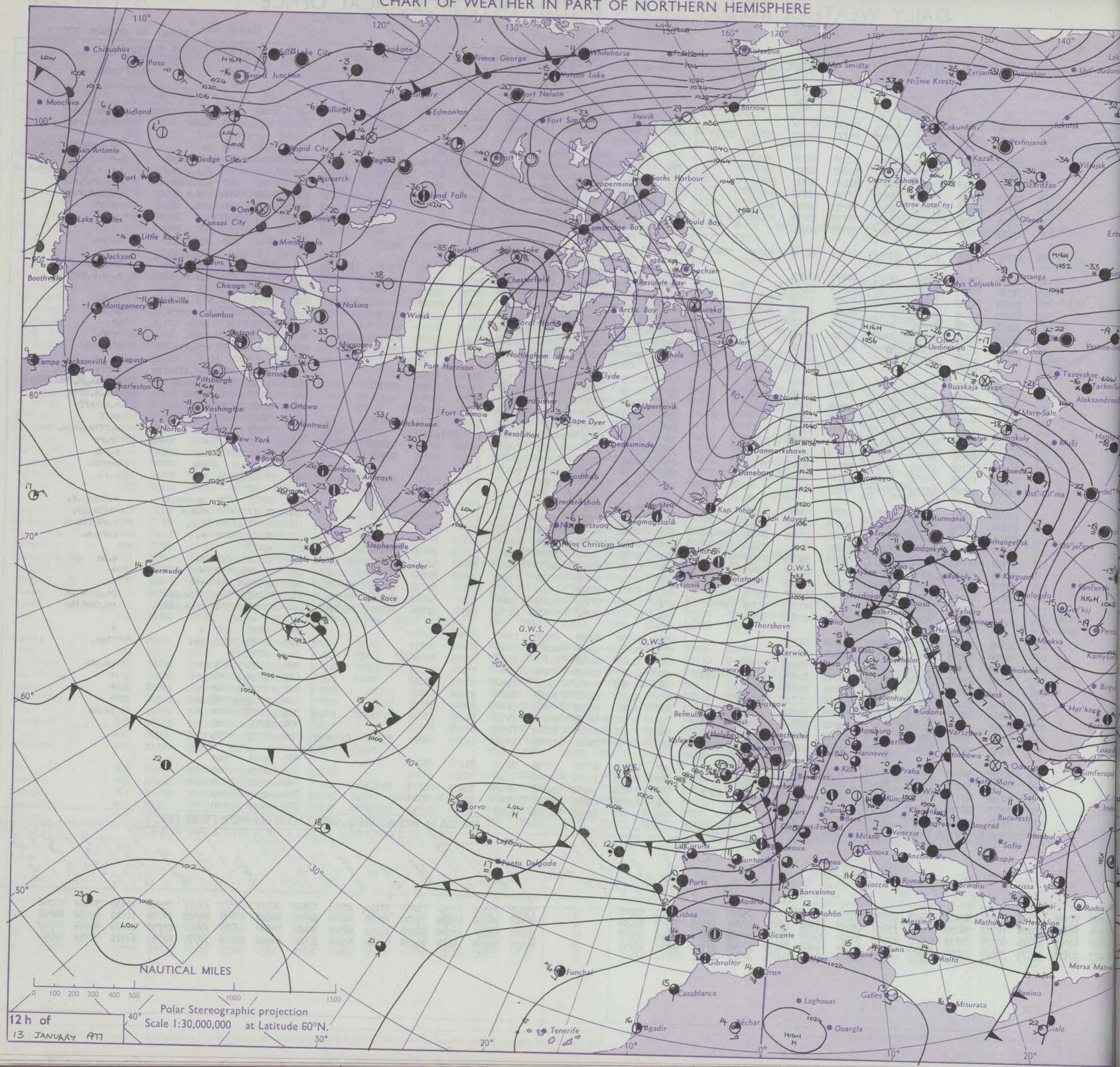
V.S.	$99 L_a L_a L_a$	$Q_c L_o L_o L_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s pp$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$ITwTwTwTT$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
	99527	70355	13121	70805	98018	13903	21501	00704	/////	/////	05654	10632	30301	03206
	99569	70207	13124	70717	96258	99706	732//	00117	81704	85910	0//01	10993	30908	02906
	99660	10020	13124	60726	97032	09602	22572	00400	/////	/////	05954	10748	30505	/////
	99473	70173	13124	33228	98028	01607	39500	21117	81920	/////	0//50	11129	30712	/////

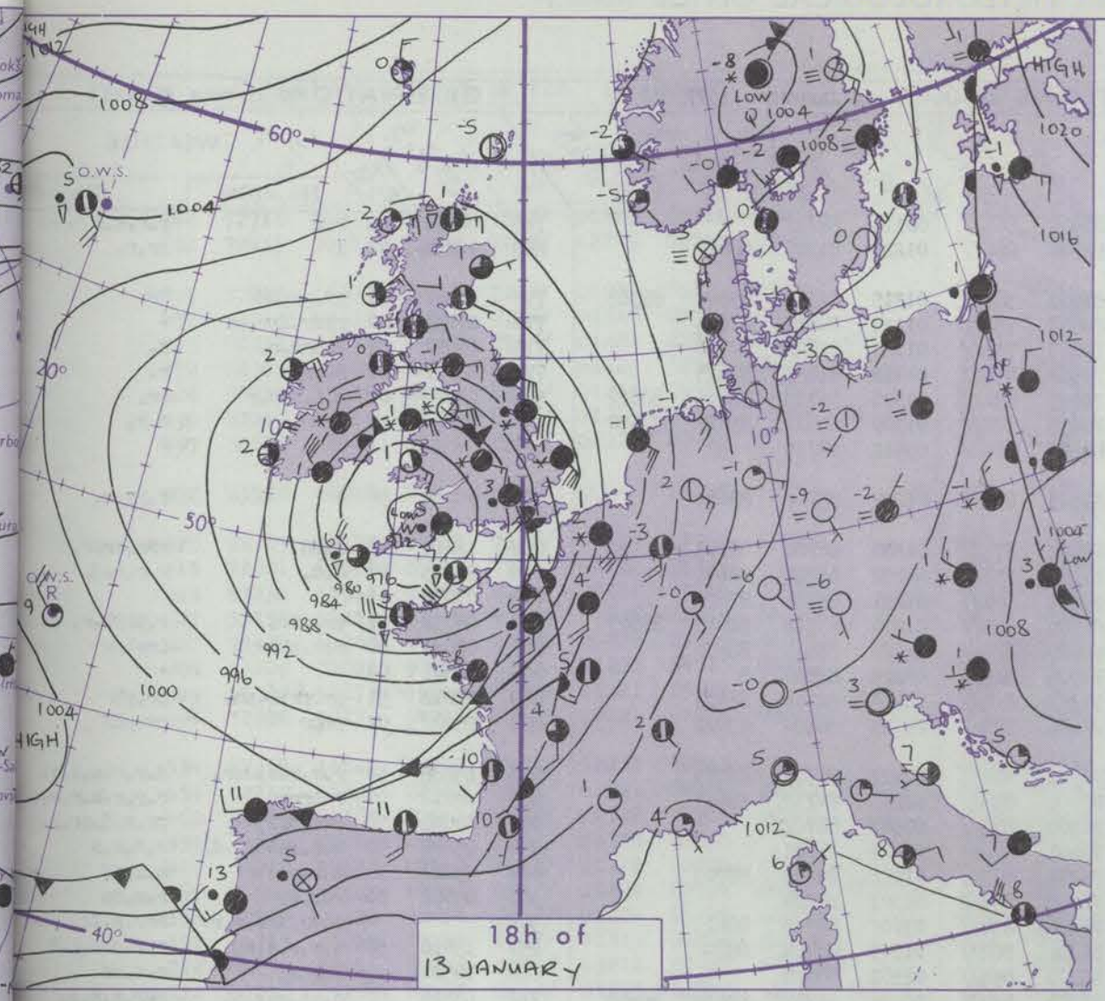
OCEAN WEATHER STATION REPORTS at 18h.

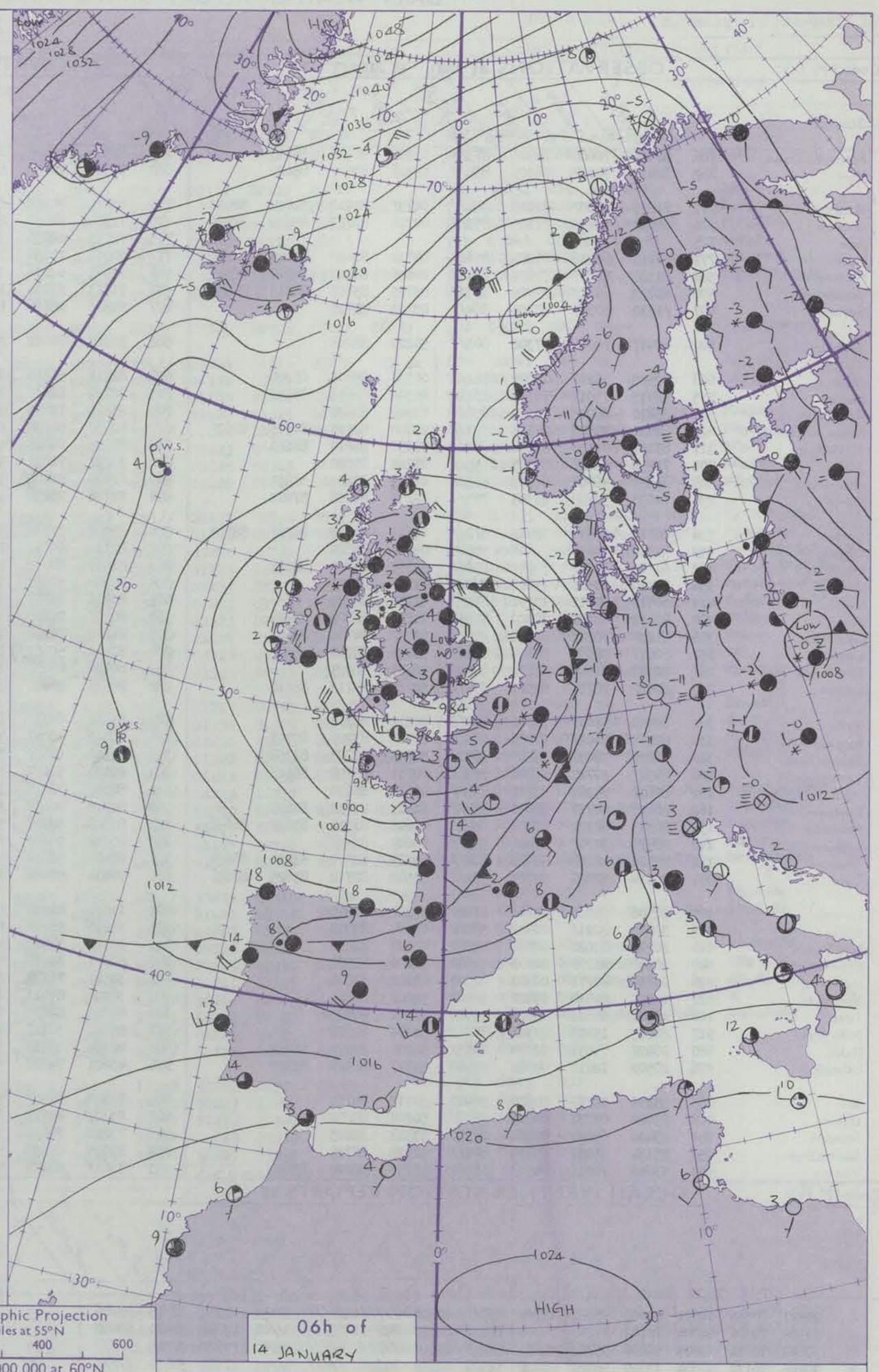
O.W.S.	$99 L_a L_a L_a$	$Q_c L_o L_o L_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s pp$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_s T_s T_d T_d$	$ITwTwTwTT$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	13181	71207	97152	12703	63502	00712	/////	/////	05553	10639	30302	03206
L	99569	70208	13184	71320	97808	04104	6832/	00225	82707	85910	0//00	10986	30502	09008
M	99660	10020	13184	80828	97858	08902	89400	00400	/////	/////	05750	10669	30706	/////
R	99470	70170	13184	23220	98020	03708	22500	00214	82820	/////	0//01	11176	30712	/////

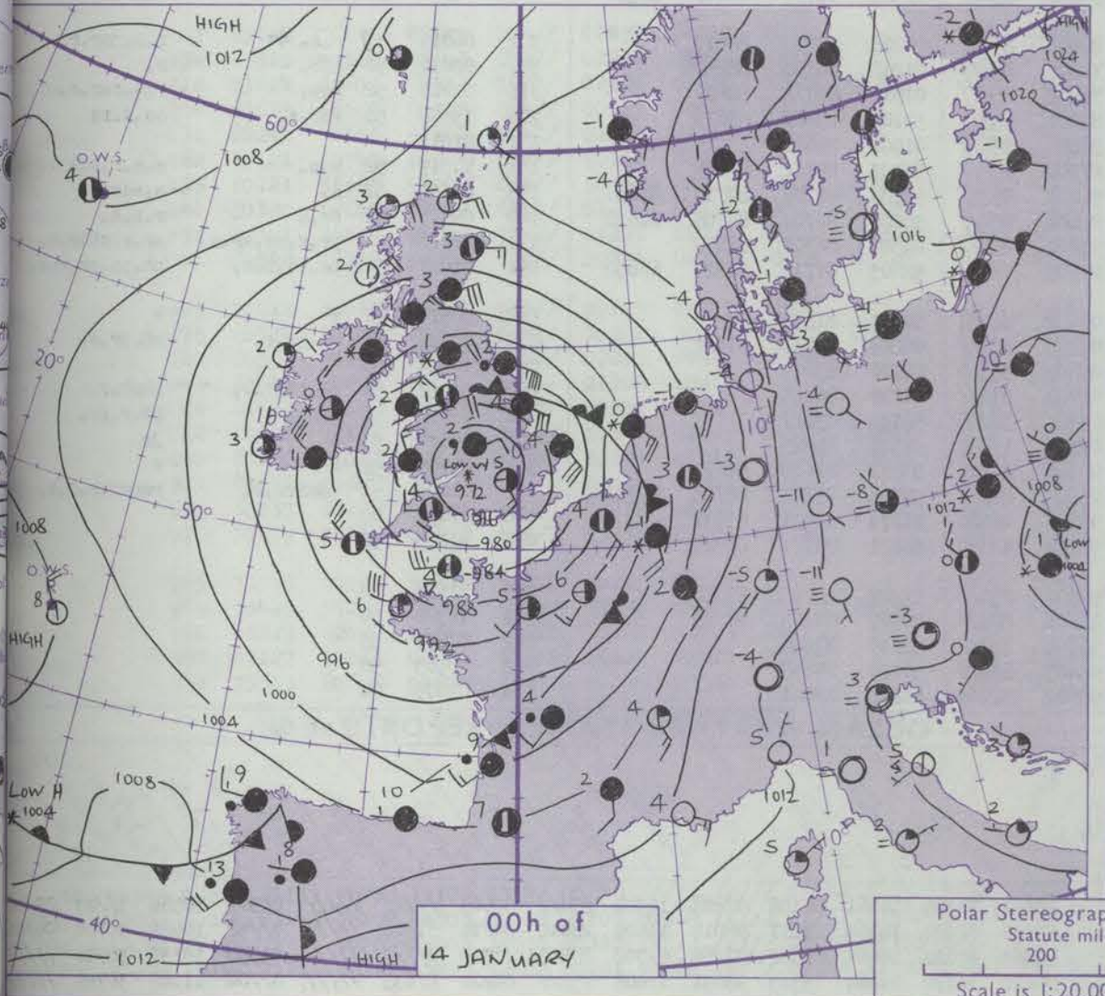
es of observation printed in this publication are GREENWICH MEAN TIME.

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
13 JANUARY 1977
Chihuahua
El Paso
Monclova
Midland
San Antonio
Fort Worth
Lake Charles
Little Rock
Jackson
Boothville
Dodge City
Kansas City
Omaha
Minneapolis
St. Louis
Chicago
Nashville
Montgomery
Columbus
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Washington
Norfolk
New York
Boston
Detroit
Toronto
Ottawa
Montreal
Caribou
Bermuda
Sable Island
Stephenville
Gander
Cape Race
Grand Junction
Salt Lake City
Spokane
Rapid City
Bismarck
Regina
Winnipeg
Calgary
Edmonton
Prince George
Whitehorse
Watson Lake
Fort Nelson
Fort Simpson
Fort Smith
Island Falls
Churchill
Baker Lake
Chesterfield
Nakina
Winisk
Moosonee
Port Harrison
Fort Chimo
Nottingham Island
Resolution
Cape Dyer
Frobisher
Lichenaua
Inuvik
Tuktoyaktuk
Coppermine
Sachs Harbour
Cambridge Bay
Resolute Bay
Arctic Bay
Eureka
Alert
Fort Conger
Thule
Clyde
Upernavik
Godthab
Frederikshab
Narssuaq
Johns Christian Sund
Angmagssalik
Kap Tobin
Jan Mayen
Reykjavik
Hornbi
Galatangi
Thorshavn
Lerwick
Stornoway
Belmullet
Belfast
Glasgow
Manchester
Holyhead
Valentia
Shannon
Corvo
Lajes
Ponta Delgada
Funchal
Tenerife
Agadir
Casablanca
Gibraltar
Lisboa
Porto
La Coruña
Santander
Madrid
Alicante
Oran
Algiers
Bône
Tunis
Malta
Mahón
Barcelona
Bordeaux
Brest
Paris
Dijon
Clermont-Ferrand
Lyons
Nantes
Cherbourg
Bâle
Milano
Genova
Venezia
Ancona
Roma
Ajaccio
Brindisi
Messina
Hellenikon
Rodos
Sofia
Skopje
Beograd
Bucuresti
Istanbul
Izmir
Laghouat
Gabes
Misurata
Ouargla
Béchar
Reggane
Tamanrasset
Barrow
Nižnie Kresty
Zyrjanka
Omjakon
Ust' Judoma
Mys Smidta
Kotzebue
Fairbanks
Cokurdah
Verhojansk
Jakutsk
Kazačje
Ostrov Zohova
Ostrov Kotel'nyj
Ozarazan
Vilujsk
Olenek
Mys Čeljuskin
Tatanga
Ostrov Uedinenya
Russkaja Gavan'
Tazovskoe
Aleksandrovsk
Mare-Sale
Malye Kormakuly
Muži
Ust'-Cil'ma
Nord
Danmarkshavn
Barentsburg
Daneborg
Jan Mayen
Murmansk
Tromso
Bodanky
Myken
Vardoyan
Oslo
Stockholm
Helsinki
Vyborg
Leningrad
Moskva
Archangelsk
Ob'jačevo
Kargopol'
Vologda
Gor'kij
Penza
Kamyšin
Smolensk
Minsk
Kursk
Har'kov
Rostov
Bogu
Kiev
Lwow
Warszawa
Gdansk
Kobenhavn
Hamburg
Berlin
Hannover
Köln
Praha
Wien
München
Klagenfurt
Zagreb
Sofia
Sulina
Simferopol
Odessa
Tuapse
Sochi
Sotta Mare
Ines
Verhne-Imbatsk
Ostrov
Tarko-Sale
Hanty-Mansijsk
Obsecka
Mezen'
Kanin Nos
Mys Zyrjanskij
Mys Kanin
Mys Svjatoj Nos
Mys Dikson
Mys Čeljuskin
Ostrov Uedinenya
Ostrov Kotel'nyj
Ostrov Zohova
Mys Smidta
Barrow
Kotzebue
Fairbanks







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 14 JANUARY 1977

During the past 24 hours a depression to the southwest of Ireland deepened as it moved steadily east across southwest England, bringing severe gales and moderate to heavy snowfalls to many parts of the British Isles. During the late afternoon and evening the snow turned to rain over southern England. During the next 24 hours this low is expected to move northeast across the North Sea and fill.

Code FM 11.V

OBSERVATIONS at 00h. 14 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82416	70608	74902	873//	01231	86706	88708	
Hurn	862	82417	70038	76305	854//	03226	83617	88623	
Manston	797	81625	58807	81005	884//	04731	81710	84814	88650
Gatwick	776	81919	58618	77305	853//	04716	82709	85616	88650
Kew	775								
Heathrow	772	51713	65216	76205	55500	04714	81620	85640	
Honington	586	81320	60607	79604	854//	02626	84710	84620	88645
Wattisham	590	81423	60617	79904	883//	03725	83707	84811	88650
Gorleston	497	81530	60217	83104	864//	03722	88715		
Aberporth	502	83417	70011	77302	863//	50221	88708		
Filton	628	82515	56217	74202	862//	01330	85705	88706	
Rhoose	715	52915	75017	75901	25410	01340	82616	84462	
Hartland Point	703	83412	68028	78205	856//	02242	88630		
Mount Batten	827	82930	58808	79805	893//	03242	82709	84915	88625
St. Mawgan	817	83137	60258	81504	884//	01050	84810	88620	
Scilly	804	73234	60028	87905	755//	01261	87620		
Culdrose	809	82830	56808	84903	893//	03263	83709	88915	
Guernsey	894	72633	50898	83305	793//	04237	84708	87912	
Elmdon	534	80710	58517	72902	872//	01629	81705	86706	88708
Cardington	559	51316	75617	75404	55500	03627	85624		
Wittering	462	81220	62587	75902	852//	01633	85704	88612	
Watnall	354	80714	60507	75601	872//	01731	88703		
Shawbury	414	80411	50617	74701	872//	01713	88704		
Finningley	360	81012	60237	78002	873//	01830	86707	88709	
Spurn Point	396	81230	70217	80504	854//	02732	84710	88625	
Leeming	257	80617	50687	82001	864//	50736	88710		
Tynemouth	262	80948	61697	87202	8052/	02731	88525		
Carlisle	222	80622	28717	85501	854//	50717	84712	88618	
Valley	302	80414	58047	79002	864//	00212	88710		
Ringway	334	60514	56027	77301	663//	00718	83706	85707	
Squires Gate	318	70820	70037	78201	1637/	50715	81708	87358	
Ronaldsway	204	80327	59717	81801	853//	00711	85708	88623	
Mull of Galloway	131	80638	74265	85901	856//	01601	88630		
Eskdalemuir	162	80419	50717	88650	854//	51711	82712	88635	
Prestwick	135	80313	62222	90101	6542/	01606	81714	83620	86656
Abbotsinch	140	90520	30707	91401	9////	00607	89///		
Leuchars	171	80729	58268	93403	884//	52709	82710	83825	88650
Dyce	091	70914	57059	97703	784//	51500	82712	83825	87650
Lerwick	005	21506	81010	04701	21400	53208	82815		
Wick	075	30822	80018	00902	38400	00104	83819		
Sule Skerry	010	20912	81020	02804	22500	01208	82820		
Cape Wrath	049	20510	81278	00603	23500	51206	82920		
Stornoway	026	20719	80271	00803	22500	00102	82820		
Benbecula	022	10317	84010	99402	18500	51207	81820		
Tiree	100	10418	86011	95802	15500	53202	81625		
Aldergrove	917	80215	15718	89301	873//	51104	88708		
Malin	980	70427	75031	92904	785//	52208	84821	85632	
Belmullet	976	20509	72018	94702	23500	51217	82920	81920	
Birr	965	53312	56707	89500	56400	51117	85711		
Dublin	969	93422	05737	84301	9////	50214	89/02		
Shannon	962	23416	65021	91801	25500	53318	82625		
Roches Point	952	83134	65032	89701	864//	52128	88719		
Valentia	953	43606	70011	94503	48500	55223	82820	83640	

OBSERVATIONS at 06h. 14 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	82516	75026	80502	864//	00116	88711		
862	82517	70038	82704	884//	01222	81819	88629	
797	62014	70038	81604	3845/	01215	81812	83640	85362
776	72314	62038	80503	754//	01114	84616	87624	
775	72013	62036	79603	755//	01120	81622	87630	
772	42015	70036	79503	45401	01218	81617	84623	
586	81811	62216	78903	854//	01306	81712	85615	88622
590	71813	82016	79603	784//	01309	82812	85617	87650
497	81825	48616	80204	874//	03511	88715		
502	83327	70012	81803	853//	01222	85706	88657	
628	82816	56656	79802	871//	01220	86702	88705	
715	82720	62616	81203	853//	01222	85707	88610	
703	83325	72258	85404	884//	01231	85814	87622	
827	82932	56278	87604	894//	01226	83712	83915	88629
817	83135	60028	89804	884//	51227	85810	88630	
804	33231	70021	93905	32500	00225	83820	8	
809	82929	57028	91303	894//	00227	82710	88918	
894	72726	70278	90004	795//	01123	86820	83922	
534	83008	37716	76501	871//	00222	85702	88703	
559	82114	66617	77702	874//	01217	84712	88617	
462	81810	20718	76300	871//	00302	88702		
354	80309	57585	76601	870//	01209	88701		
414	83414	18707	78201	870//	01222	84700	88703	
360	80507	70687	78002	873//	01303	88709		
396	81222	70216	78604	854//	03707	84710	88625	
257	80414	50697	81201	862//	01303	86704	88708	
262	80736	69237	85203	855//	02302	88625		
222	80521	56687	85202	4542/	00504	81712	84618	88550
302	83518	65212	82403	854//	01216	85710	88617	
334	80412	58027	78602	853//	01217	84706	88650	
318	80310	60687	79902	854//	01310	82712	88620	
204	80124	56687	84001	853//	50109	83706	88616	
131	80338	78028	86803	856//	01002	88630		
162	80228	50687	87700	854//	51303	84712	88630	
135	80320	50707	91001	853//	50203	81708	84710	87638
140	80318	50707	92601	852//	50206	82704	84708	86616
171	80426	56938	93801	853//	00500	86707	88650	
091	70414	57058	97703	7841/	52803	81712	84825	86650
005	11111	81010	06902	18401	54210	81815		
075	70915	56278	02403	794//	00209	83916	87642	
010	30710	74020	04804	35500	02210	83625		
049	60511	66278	03703	634//	01216	86915		
026	30521	75278	03504	32400	52111	83817		
022	30220	85011	02302	18502	51110	81825		
100	60225	84030	98503	25406	51112	81618	86272	
917	83617	30717	91801	872//	50213	83703	86708	88713
980	40234	80018	95705	48500	51215	82821	83632	
976	43621	74808	98204	43500	00221	83921	82921	
965	73313	66027	94300	754//	51229	83715	87630	
969	83321	40717	88601	863//	00122	84706	88709	
962	73217	70021	96501	757//	52219	87650		
952	83025	65032	95403	856//	50125	88638		
953	33611	80278	98802	32500	51221	83821		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–
746	04006	00	r.r	r.r.s.s
862	96032	02	1	pr.r.
797	04021	00	pr.prpRh	pr.
776	07031	00	rsrr.Rpr.pr	+
775	04031	01	r.Rrr.r.	r.
772	03031	01	r.Rr	r.
586	02025	01	r.s.r.r.r	rr.
590	03025	50	rr.r.	r.r.
497				
502	94025	50	+	r.ps.r.
628	12015	00	r.rR	rRs.srsr.
715	93015	50	d.d.	r.r.r.d.
703	01032	02		
827	04031	01	pr.prr.	r.phph.r.
817	06021	00	rpr.phrspR	prshpr
804	00041	03	+	+
809	03012	51	pr.pr.s.ph.	pr.ph
894	05022	01	phpr	pr.ph.
534	03006	50	r.r.r.s.d.r.	d.r.r.s.s.s.
559	04012	00	r.rrr.r.	r.r.r.s.r.s.
462	04006	50	rsr.d.r	pr.r.d.sr.s.
354	05006	50	r.s.rsid.d.d.	r.d.r.s
414	03007	50	s.ssr.s.r.	s.s.sf
360	05006	00	rsr.s.	r.s.rs
396			rsir.irr.r.rr	rrr.r.ir.
257	15016	50	s.s.r.s.r.	r.r.rsr.s.R
262	14522	52	rsr.s.	r.s.rr
222	03516	50	s.ss.s.r.s.	rsr.s.r.s.
302	06015	53	+	1-0+1
334	02016	50	sfr.	r.
318	01015	52	r.s.	r.s.rsr.r.
204	13006	51	ssr.s.	ss.s.rs
131	91011			
162	14517	52	s.s.	s.s.r.s.s
135	01515	52	s.	s.ssr.s.
140	04515	51	ss.s	r.s.s.
171	06016	51	pr.s.ps.sr.s.	sr.s.stlr.s.
091	01017	50	ps.tl.h.s.	ph.ps.pr.r.s
005	00517	57	+	+
075	02016	51	ps.pr.s.	ph.pr.s.
010	97024	00		
049	02027	51	ph.phph.r.	phph.r.
026	01015	50	ph.r.	ph.r.pr.
022	00016	51	+	jp
100	00005	52	+	+
917	11007	51	pssSss.s.	rsrsr.s.s.s.
980	97031	02		
976	91015	50		
965	97516	52		
969	10507	50		
962	97515	53		
952	00505	50		
953	01005	00		

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_gT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	14001	81008	98022	12704	855//	00804	/////	/////	05351	10582	3//03	03/06
L	99569	70206	14004	70702	97268	08304	723//	31219	83707	85815	0//00	10980	30401	09008
M	99662	10014	14004	90826	95768	08801	9////	00702	/////	/////	05950	10607	30708	/////
R	99468	70170	14004	13320	98020	08008	12500	41218	81820	/////	0//03	11173	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_gT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH$
C	99527	70355	14061	81108	97808	12304	834//	00608	/////	/////	05303	10584	3//03
L	99569	70204	14064	23117	98018	11604	28410	00214	81816	/////	0//56	10981	30704
M	99663	10022	14064	80632	97268	07302	89400	21710	/////	/////	05950	10737	30910
R	99470	70170	14064	73323	98031	11408	756//	00220	87633	/////	0//04	11168	30709

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. Prin

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue SATURDAY 15 JANUARY 197

OBSERVATIONS at 12h. 14 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	72718	74217	85503	754//	01225	86711	87650	
862	72415	70018	87404	714//	02229	82710	87816	
797	72217	66602	84604	784//	01211	85814	87620	
776	82515	57616	84903	873//	02318	83708	88711	
775	82311	56696	84002	873//	01222	81706	86708	88712
772	82309	60686	84202	872//	01225	82705	84708	88710
586	81710	59616	82602	873//	01216	84708	88711	
590	82012	62617	82902	853//	01215	82707	83614	86625
497	81818	58022	83704	855//	02211	88620		
502	83528	68608	87303	853//	03228	84707	88614	
628	72715	65027	84803	753//	02119	83706	87615	
715	72821	63586	85703	773//	02118	87707		
703	83230	63502	90304	864//	02226	83710	88625	
827	53130	60258	92504	49303	01226	81709	84915	
817	73234	60268	94504	683/2	50223	82709	86813	
804	63229	70801	98806	62400	01222	84715	83820	
809	62929	58878	95803	69400	01221	85910		
894	72926	58278	94703	694/3	01221	81710	85918	
534	82914	16617	82002	872//	01222	88703		
559	82212	45237	82002	854//	02221	84710	85615	88625
462	82509	40687	80501	872//	01322	86704	88706	
354	80208	07687	81501	870//	01325	88700		
414	83212	57047	83402	854//	01222	82710	88620	
360	80506	42587	82201	872//	01227	82704	86706	88707
396	81118	70026	82604	854//	01224	84710	88625	
257	80213	56807	84203	853//	01313	86709	88615	
262	80730	56606	87005	5352/	03211	85925	88458	
222	80318	68237	88202	853//	01311	81708	83618	88629
302	83628	56636	88103	873//	02234	84707	88710	
334	83510	50586	82803	873//	02219	85708	88710	
318	83614	62607	84503	7547/	02220	83615	86625	88359
204	83625	56687	89703	884//	00127	82816	88620	
131	80240	74606	91802	3742/	01220	83715	88460	
162	80121	15747	89901	872//	50311	88705		
135	80121	56687	94002	853//	50113	82709	87615	88630
140	80320	62607	94902	6542/	01209	81714	83618	85624
171	80321	25697	94501	7722/	01201	85703	87706	88540
091	80518	15717	98502	871//	00701	81702	83704	86706
005	70612	30169	09202	733//	00207	83707	86910	
075	80724	59808	03803	5842/	00302	81710	84815	88458
010	80527	64278	07205	4352/	02208	84920	88458	
049	80516	82878	05003	834//	01205	88915		
026	80422	75158	05805	2942/	00204	82915	88462	
022	70220	82151	05902	3947/	51316	81915	83360	87463
100	80226	81012	02104	4847/	50114	81818	83629	88465
917	83618	50687	96102	872//	51218	82703	88708	
980	80137	80028	99905	11577	50219	81821	86460	88270
976	50219	75259	04106	595/2	00231	84820	82920	
965	73315	80032	99103	35602	50225	83632	85068	
969	73425	57237	94202	5643/	51231	83712	83620	85359
962	43217	82022	01704	18502	00122	81825	84075	
952	33127	70011	00004	18502	00221	81820	83072	
953	73523	80898	04504	735//	01327	83920		

OBSERVATIONS at 18h. 14 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	82915	70606	89703	854//	01227	86616	86625	
862	72815	62018	91004	754//	03326	85615	87630	
797	82212	65037	87304	854//	02111	82710	88614	
776	82611	62616	88003	853//	02216	82709	86712	88616
775	82411	58617	87404	874//	02218	85712	88715	
772	82612	57617	87503	854//	03219	86710	88613	
586	82007	35617	85601	872//	01214	88704		
590	82112	38636	85803	853//	02212	83706	85707	88611
497	81710	48058	86603	855//	02214	88625		
502	83436	58806	94203	883//	02329	82708	87812	88630
628	73113	70022	90704	754//	01234	81616	87626	
715	83018	70216	92204	854//	01131	88614		
703	73430	64026	96505	784//	01236	85815	87625	
827	73223	68258	96705	784//	01224	83815	86630	
817	73430	56878	99004	734//	00228	83912	85815	
804	63432	66258	02906	62560	00223	86820		
809	73127	60878	00505	734//	00225	82915	86818	
894	72924	80278	97705	42562	01220	84820	86075	
534	83114	45217	88102	853//	00137	81708	85613	88630
559	82611	48687	86502	873//	01226	84706	88707	
462	83310	04447	85501	860//	01226	88700		
354	83511	20607	86902	872//	01229	88703		
414	83314	48017	89703	853//	02237	82708	88628	
360	83512	40617	87502	854//	01231	83714	85620	88630
396	80503	62216	86903	854//	02223	82710	88633	
257	83608	56048	89402	884//	01224	83814	88656	
262	80827	61026	91505	5352/	03226	85925	88458	
222	70113	62216	92602	754//	01325	82710	83624	87642
302	83428	62026	94004	854//	01227	86713	88618	
334	63108	56046	89602	65500	01234	81625	86640	
318	63611	65016	90503	45672	01230	81630	84649	
204	73525	60687	93903	754//	01222	81713	86616	86650
131	80135	81026	95703	2562/	01226	82630	88460	
162	83517	50697	93601	873//	00219	88707		
135	80114	62217	97502	854//	51218	81712	83618	88622
140	80114	58686	97703	853//	51215	82709	85715	88640
171	80316	40697	96901	872//	01214	85704	88709	
091	80614	58607	00603	853//	01316	82707	85614	88622
005	80918	75028	11303	884//	53211	83815	83630	88640
075	80926	60268	05902	7832/	01111	83708	84814	88459
010	80525	74258	08604	3352/	03206	83920	88458	
049	80519	65888	06903	834//	00208	88915		
026	80322	60808	07604	6942/	02205	82912	85816	88459
022	73520	75268	07602	5947/	00211	83915	85625	87460
100	80127	82032	04204	4847/	50210	82819	84360	88465
917	53415	80017	99902	38501	51219	81820	84070	
980	83637	80258	02806	4252/	51215	84820	88462	
976	60220	78158	08605	695//	00221	86920	84920	
965	33418	75011	04103	19502	50225	81920	83070	
969	33220	70017	99103	35600	52227	83640		
962	13216	80018	07004	19500	51229	81920		
952	13029	70020	05104	19402	00229	81919		
953	53617	70278	09906	59500	50227	85920		

OBSERVATIONS during DAY

iii	RRT x T E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	02035	000	$r_os_or_os_or_o$	$i_rr_or_o$
862	92051	000	$r_od_or_op_r_o$	r_or_o
797	95051	016	$r_or_or_sr_o$	i_r_o
776	01041	000	r_or_o	r_or_o
775	02041	000	$r_od_or_or_or_s$	$r_or_oi_d_o$
772	02041	000	$r_or_os_od_o$	$d_or_or_o$
586	02035	000	r_or_o-$r_os_or_r_o$	$r_or_or_rd_od_of$
590	02032	000	$s_or_or_o$	$r_or_or_rr_os_od_o$
497		000		
502	04042	000	i_r_o	$i_rp_rr_or_or_o$
628	92041	003	r_o	r_o
715	91041	001	d_o-$d_or_oi_r_o$	i_r_o
703	01052	000		
827	02051	019	$p_rp_rs_op_rs$	$p_rs_pr_o$
817	03051	001	$p_rp_hr_os_op_r_o$	$p_hr_os_op_r_o$
804	92071	051	p_r_o	p_r_o
809	01051	013	$p_hp_r_op_ho$	$p_ho_pr_o$
894	02061	014	p_rp_hopHlp_r_o	$p_rp_rp_op_ho$
534	02025	000	$r_os_or_o$-$r_sr_or_o$	r_o-$r_os_oi_r_o$
559	03032	000	$r_os_os_or_or_or_s$	$r_os_or_os_o$
462	95015	000	$s_os_od_os_of$	$d_od_of_fr_os_or_o$
354	02026	000	$s_r_os_or_os_off$	$s_or_os_oi_r_or_or_o$
414	01036	000	$r_os_or_os_o$	$r_os_or_os_o$-r_or_o
360	01025	000	$r_os_or_sr_od_or_o$	$r_od_or_od_or_oh_rR$
396			$i_r_oi_r$	$i_ri_r_o$
257	02035	000	$R_rp_or_o$	p_r_o
262	14062		i_rrr	r_r
222	05035	000	$r_os_or_ss_os$	$r_or_rr_or$
302	14052	000	r_r	$i_r_or_s$
334	91035	000	$r_or_od_or_o$	$d_op_r_o$
318	01045	001	$i_r_or_or_o$	r_or_or
204	14035	000	r_sr_s	RSRS
131	93031			
162	09027	000	$s_ss_or_os_or_os_o$	$r_os_or_os_os_rs_r_o$
135	01025	000	$r_os_or_os_o$	$s_s_or_os_or_o$
140	01035	000	i_r_o	$r_os_or_os_o$
171	20045	000	$r_os_os_or_s$	$r_ss_rr_o$
091	16037	000	$r_os_or_os_os_fr_s$	$h_rs_ri_r_oh_rs$
005	01036	000	t	$p_ho_ro_so$
075	10045	000	$p_rs_op_ho_rp_s$	$p_rs_op_s$
010	03052			
049	03042	000	$p_ho_r_o$	$p_ho_rp_hr$
026	94055	000	$p_s_op_ho$	p_r_o
022	92036	000	p_rs_o	p_rs_o
100	00051	000	+	+
917	02036	000	$s_os_or_os_or_os_o$	$r_os_or_os_o$
980	9706	000		
976	0107	022		
965	0005	033		
969	0203	003		
962	9106	056		
952	0005	051		
953	0206	016		

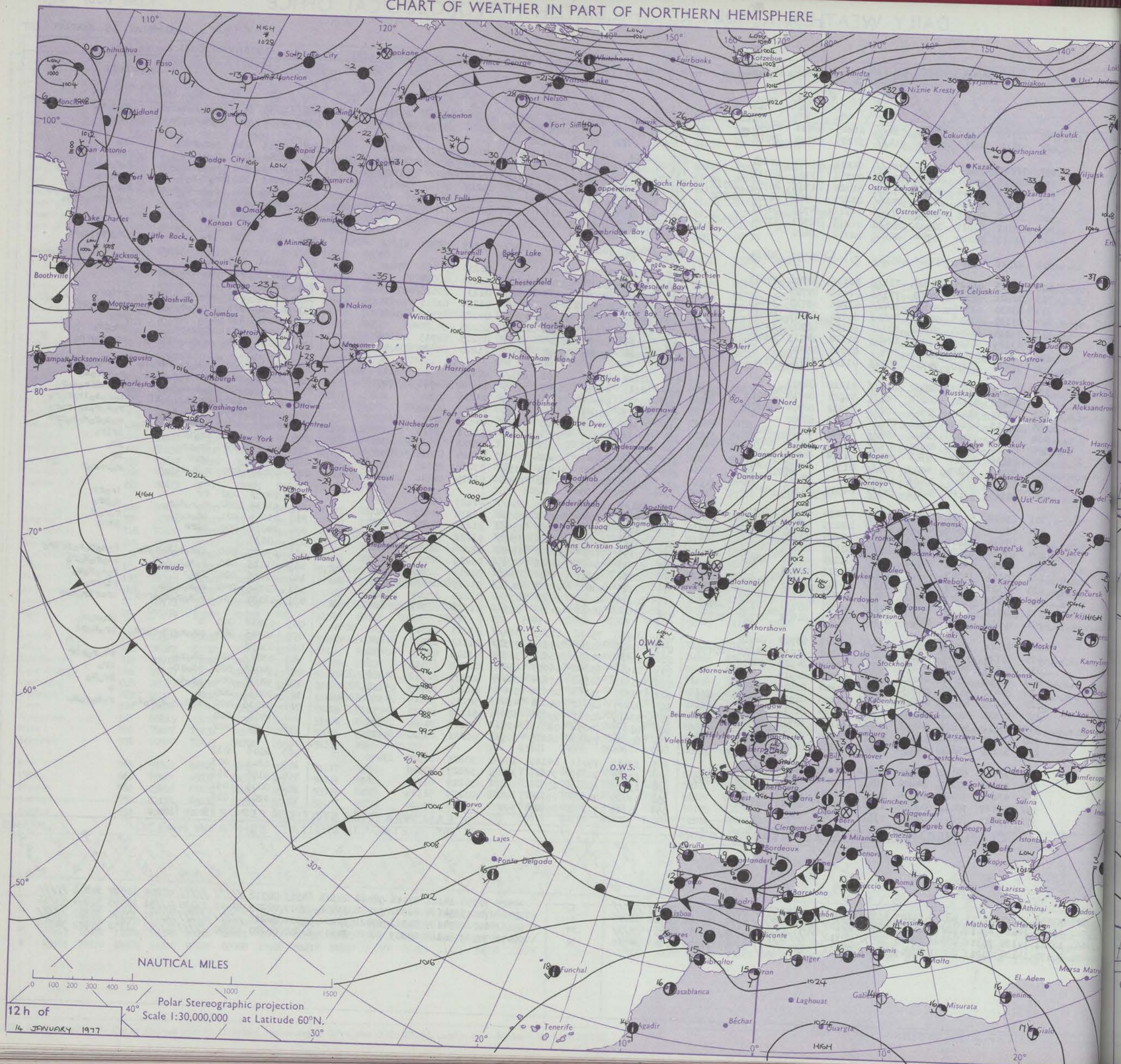
OCEAN WEATHER STATION REPORTS at 12h.

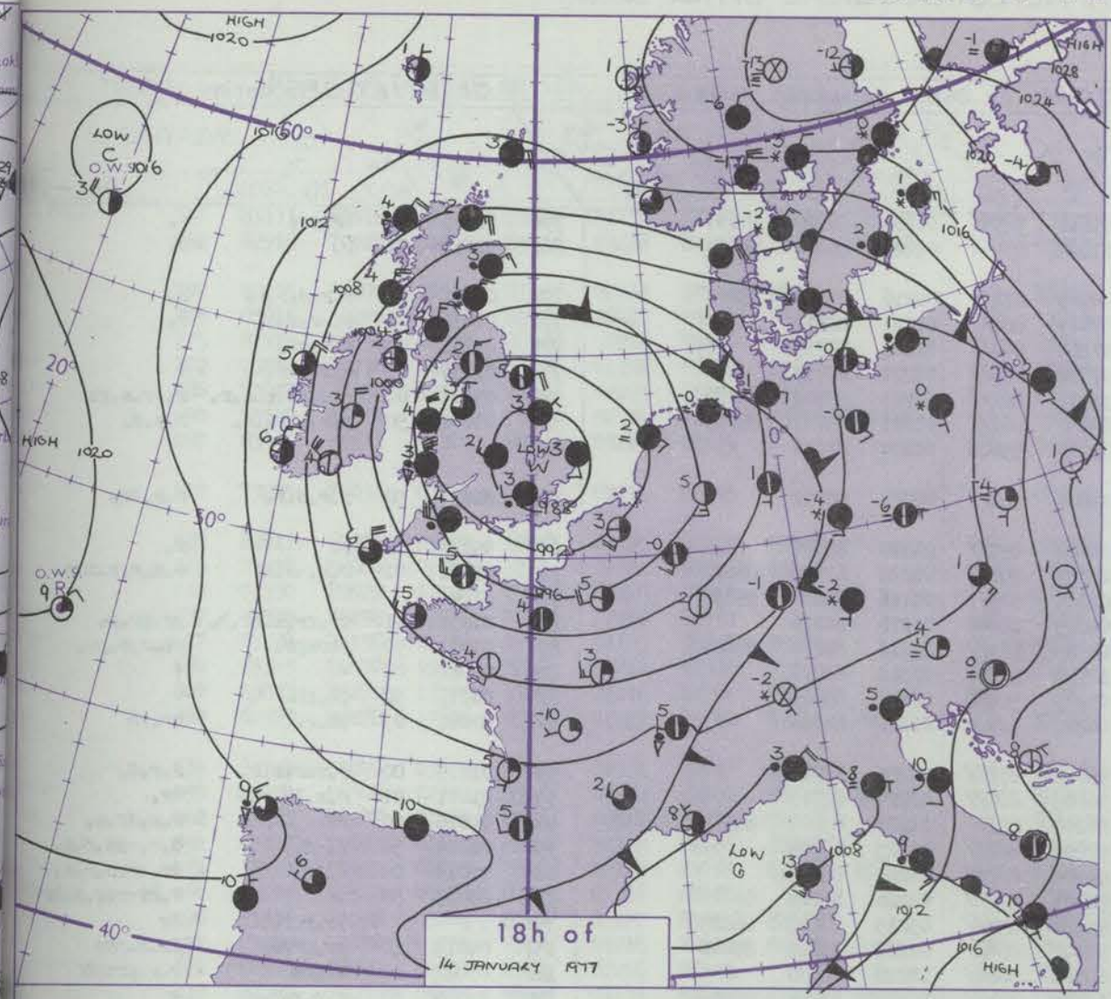
	99$L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	14121	81115	98038	11105	4557/	00808	/////	/////	05002	10598	30707	/////
	99569	70206	14124	43018	98278	14503	49400	00107	84914	/////	0//52	10986	30706	36806
	99662	10021	14124	70316	97268	09003	39570	00312	/////	/////	05852	10733	30707	/////
	99470	70170	14124	30213	98011	16609	32502	00231	83830	/////	0//03	11172	30603	34706

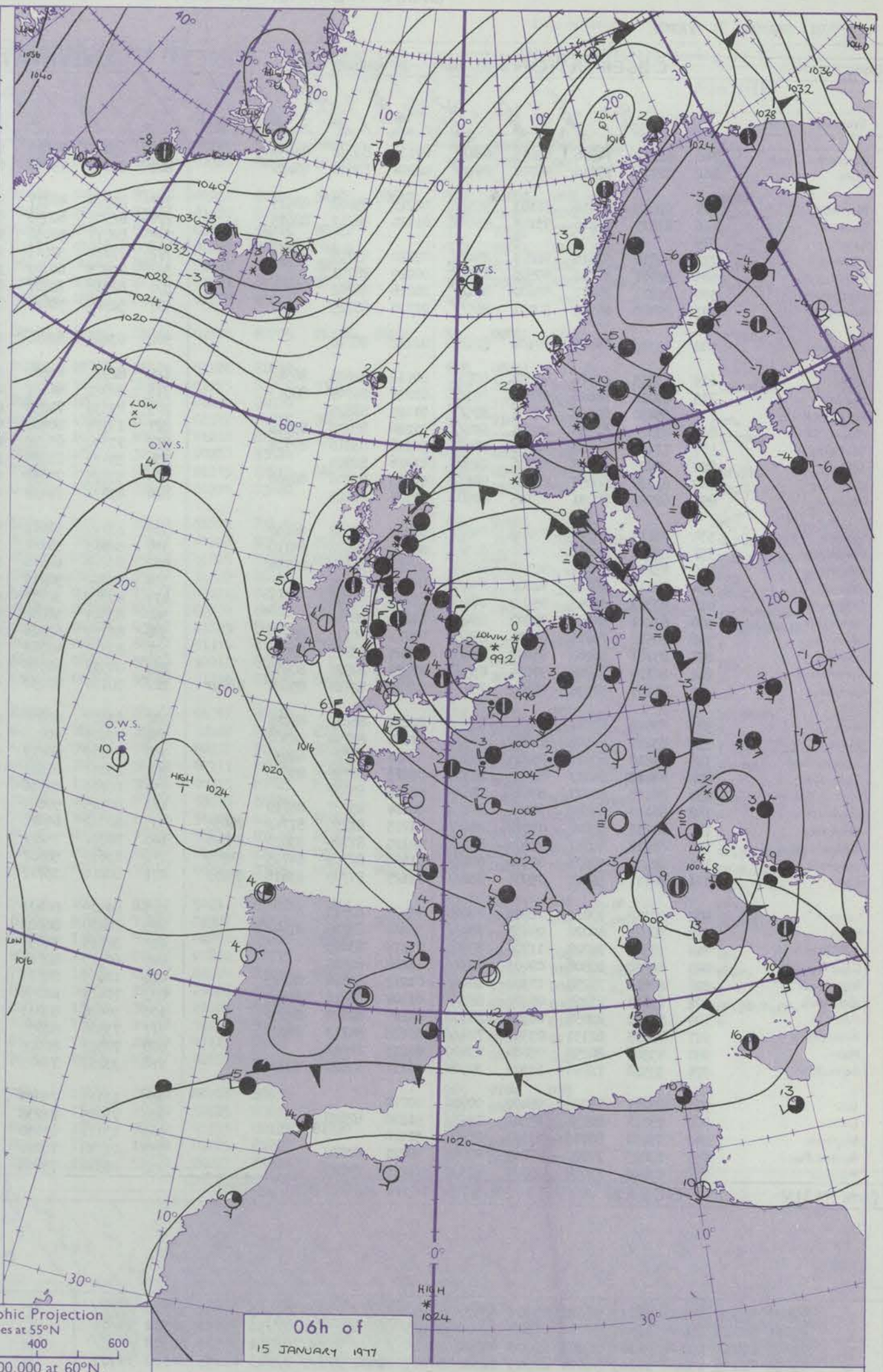
OCEAN WEATHER STATION REPORTS at 18h.

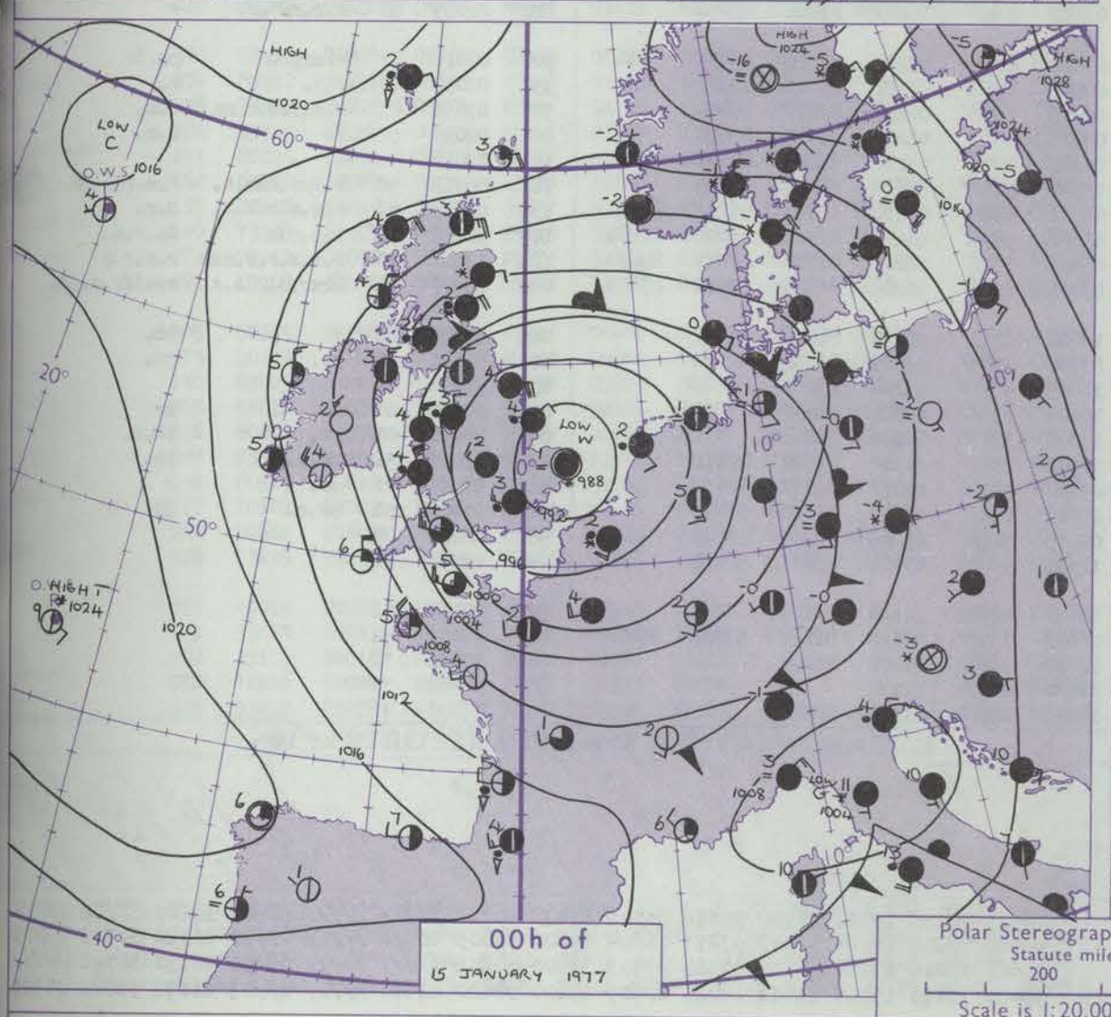
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	14181	81014	98022	10306	6557/	00712	/////	/////	00204	10597	30808	/////
L	99568	70205	14184	42922	98018	16402	29403	00209	82910	83070	0//51	10995	30804	99/06
M	99662	10020	14184	50312	97028	12204	49501	00218	/////	/////	05751	10730	30303	/////
R	99470	70169	14184	20309	98020	20009	22500	00220	82830	/////	0//02	11172	30602	34708

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
14 JANUARY 1977
HIGH
LOW
O.W.S.
Chihuahua
El Paso
Salt Lake City
Spokane
Prince George
Whitehorse
Fairbanks
Kotzebue
Barrow
Nižnie Kresty
Čokurdah
Ostrov Zelanya
Ostrov Kotel'nyj
Jakutsk
Verhojansk
Kazačje
Viljujsk
Ožarazan
Olenek
Mys Čeljuskin
Dikson Ostrov
Russkaja
Ivan'
Mare-Sale
Malye Karmakuly
Muži
Aleksandrov
Verhne-
Tarko-S
Hanty-
Ust'-Cil'ma
Jarcevskoe
Dudinka
Igarka
Norilsk
Yakutsk
Tatanga
Yzyrjanka
Ust' Judoma
Ojmjakon
Calgary
Edmonton
Fort Nelson
Fort Simpson
Inuvik
Sachs Harbour
Coppermine
Cambridge Bay
Gould Bay
Resolute Bay
Eureka
Alert
Isachsen
Arctic Bay
Nord
Danmarkshavn
Daneborg
Hopen
Barentsburg
Tromsø
Murmansk
Arkhangel'sk
Ob'jačevo
Karpogol'
Reboly
Sančursk
Vologda
Moskva
Kamyšin
Smolensk
Minsk
Har'kov
Rostov
Tula
Orel
Kursk
Voronež
Simferopol
Sulina
Bucuresti
Istanbul
Sofia
Skopje
Beograd
Zagreb
Klagenfurt
Venezia
Milano
Genova
Roma
Brindisi
Larissa
Athinai
Rodos
Herakleion
Mathoni
Messina
Malta
Tunis
Alger
Misurata
El Adem
Marsa Matruh
Benina
Tobruk
Derna
Gabès
Laghouat
Béchar
Ouargla
Ghadames
Tamanrasset
Agadir
Casablanca
Gibraltar
Tarifa
Cádiz
Sevilla
Huelva
Faro
Lisboa
Badajoz
Alicante
Almería
Málaga
Barcelona
Madrid
Zaragoza
Valencia
Palma
Ibiza
Bilbao
Santander
La Coruña
Bordeaux
Clermont-Fd
Lyon
Dijon
Bern
Paris
Cherbourg
Brest
Nantes
Toulouse
München
Stuttgart
Frankfurt
Hannover
Bremen
Berlin
Praha
Wien
Graz
Innsbruck
Česstochowa
Warszawa
Gdańsk
København
Oslo
Stockholm
Helsinki
Vyborg
Leningrad
Murmansk
Tromsø
Narvik
Bodø
Ørland
Trondheim
Östersund
Umeå
Luleå
Haparanda
Vaasa
Jyväskylä
Thorshavn
Lerwick
Stornoway
Aberdeen
Glasgow
Belmullet
Valentia
Shannon
Holyhead
Manchester
Birmingham
Norwich
Hurn
Portland
Scilly
Jersey
Guernsey
Cherbourg
Brest
Lorient
Nantes
Bordeaux
Toulouse
Clermont-Fd
Dijon
Lyon
Bern
Milano
Genova
Venezia
Klagenfurt
Graz
Innsbruck
Wien
Praha







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 15 JANUARY 1977

During the past 24 hours a low centred over the Midlands moved slowly east into Thames and filled. Severe gales around the depression moderated in the North Sea during the period, but were sustained in the south and west quadrants.

During the next 24 hours the low is expected to continue filling and move slowly east into Holland, while a ridge of high pressure is expected to move slowly into western Ireland from the west.

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

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_lhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	62915	74806	95203	684//	00124	83818	85630	
Hurn	862	82716	75016	96704	854//	02224	83616	88639	
Manston	797	82612	57616	91103	853//	02219	85708	88615	
Gatwick	776	82815	65216	93103	854//	01124	86712	88615	
Kew	775								
Heathrow	772	82814	57616	92803	854//	02222	83710	88613	
Honington	586	82907	25716	89800	870//	00220	88701		
Wattisham	590	82811	20717	89600	871//	00216	84702	88704	
Gorleston	497	80000	48108	89401	865//	01210	88725		
Aberporth	502	83333	60508	99104	874//	02122	88710		
Filton	628	63015	65016	95904	65531	00118	82628	86645	
Rhoose	715	83018	60616	98203	853//	02226	84709	88613	
Hartland Point	703	83430	64028	01605	885//	01125	88625		
Mount Batten	827	63320	62838	02504	694//	01226	85910	83818	
St. Mawgan	817	73432	65808	04804	784//	50228	85816	87618	
Scilly	804	23429	70018	08706	22500	01226	82820		
Culdrose	809	83229	60888	05503	893//	03123	83706	88908	
Guernsey	894	62927	80031	02705	62500	51125	86825		
Elmdon	534	83113	45217	93702	853//	01224	85707	88640	
Cardington	559	82712	40697	91802	873//	02123	85706	88710	
Wittering	462	83213	40217	91102	862//	01121	86703	88704	
Watnall	354	83413	56036	92602	855//	01123	88620		
Shawbury	414	63313	57042	95103	663//	01122	86706		
Finningley	360	63411	57106	92802	664//	01225	86711		
Spurn Point	396	80512	70616	91304	854//	03221	86715	88625	
Leeming	257	83107	56268	95002	884//	01225	83815	88645	
Tynemouth	262	80725	61848	97004	4352/	02229	84925	88458	
Carlisle	222	70109	59236	97502	754//	01124	82714	83624	87650
Valley	302	83527	60217	98904	854//	02221	86614	88626	
Ringway	334	83209	45608	94802	4647/	01224	83714	88360	
Squires Gate	318	83510	60617	95703	855//	02123	83625	88635	
Ronaldsway	204	43419	64017	98503	48300	01015	81709	83628	
Mull of Galloway	131	80120	80027	00402	856//	02226	88630		
Eskdalemuir	162	80111	58687	99201	873//	50124	85707	88710	
Prestwick	135	80212	65607	01502	854//	01223	81710	87712	88635
Abbotsinch	140	80214	60687	02202	6532/	00125	81708	83620	85640
Leuchars	171	80521	50697	02502	872//	01226	82703	84705	88708
Dyce	091	80711	56717	05901	852//	01125	81705	83616	85619
Lerwick	005	20719	80011	12603	22400	53001	82815		
Wick	075	70823	80028	09403	784//	53218	83815	87642	
Sule Skerry	010	30525	74028	11704	35500	02218	83625		
Cape Wrath	049	60520	80808	09003	635//	51208	86920		
Stornoway	026	80622	70258	10304	884//	01212	83816	88625	
Benbecula	022	63614	75268	09202	684//	01104	84816	85627	
Tiree	100	50221	82038	06304	58500	00209	82820	84630	
Aldergrove	917	73413	62151	03303	724//	51118	84713	86820	
Malin	980	43526	80258	05604	43400	01213	84918		
Belmullet	976	33516	72018	11305	39500	50111	83920	82920	
Birr	965	03214	75018	08402	00900	00224			
Dublin	969	73117	82038	03502	755//	51220	87628		
Shannon	962	03214	80010	11303	00900	51120			
Roches Point	952	13023	70020	09804	00901	50221	81072		
Valentia	953	43512	75018	13905	42500	01218	84820		

OBSERVATIONS at 06h. 15 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_lhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	63014	74018	99602	58531	01218	82820	84630	
862	82919	75016	01204	854//	02223	85614	88623	
797	82814	48217	94403	872//	02216	85704	88705	
776	82914	62036	97403	864//	01221	88710		
775	82811	58056	97204	864//	01223	88713		
772	73014	57016	97304	764//	02221	87713		
586	82913	40107	93702	860//	02220	85701	88702	
590	82915	18107	93402	861//	01221	85702	88703	
497	52909	50025	92202	55600	01214	85630		
502	83228	62216	03804	864//	02321	88712		
628	82915	62602	00604	855//	01120	88622		
715	82922	64607	02203	853//	01120	81708	88612	
703	83330	74258	06005	885//	01116	83820	88637	
827	13324	60268	05605	12400	01216	81816		
817	73330	65258	08505	784//	51216	84814	87624	
804	33429	70020	12106	32500	01312	83820		
809	53125	70038	09405	59400	50117	84915		
894	43027	81038	06205	42500	01217	84824		
534	83111	56612	98702	872//	01225	88705		
559	82813	56217	96603	864//	02225	88712		
462	83214	62216	96202	852//	01227	83705	85706	88615
354	83312	50215	97802	862//	01223	88705		
414	83313	32237	99901	862//	01223	88703		
360	83514	56686	97901	872//	01226	86704	88710	
396	80119	63026	95004	854//	03215	86715	88625	
257	83310	40268	99602	884//	01219	85815	88640	
262	80518	61618	00703	8062/	02218	88530		
222	80110	60032	02102	884//	01219	81818	88656	
302	83517	60808	03505	884//	03224	86816	88635	
334	73409	60016	00002	754//	01227	85712	87622	
318	73409	60017	00903	755//	02228	85625	86656	
204	83411	66611	03603	854//	01218	83710	88628	
131	80120	84216	04202	2251/	01217	82825	88460	
162	80115	59687	03301	873//	50319	86709	88712	
135	80312	65026	05302	854//	00216	82710	86711	88620
140	70310	75227	05802	5841/	51216	81815	83625	87465
171	83610	58687	05302	852//	00211	82704	84713	88650
091	80211	35717	07401	852//	51208	81705	83615	88640
005	60525	80021	10204	684//	54715	81815	86640	
075	70419	80022	09104	756//	51809	87636		
010	80515	74031	11605	855//	03704	88625		
049	60520	82018	10205	635//	00604	86920		
026	10613	84021	11705	18400	00106	81818		
022	70413	80258	11303	785//	51210	81822	87631	
100	50416	82011	09204	58500	00217	82820	84630	
917	73306	82038	06901	754//	00219	81710	87624	
980	70317	80028	07705	784//	01215	86818	84632	
976	33217	75278	12105	39400	01106	83919	82919	
965	13113	75020	10501	00902	51108	81070		
969	73015	81238	06602	754//	50114	81712	83625	87650
962	13111	80030	12902	15600	51206	81640		
952	02918	70020	12104	00900	52207			
953	23312	75018	15405	22500	01206	82820		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–0
746	91025	00	ir.pr.	r.
862	91041	01	r.	r.
797	01021	02	r.r.d.r.rs	r.
776	91031	02	r.-r.r.	r.
775	01031	02	r.r.rr.	+
772	01031	01	r.r.rir.	+
586	03005	00	d.d.fr.s.s.r.	r.-r.s.rs
590	03002	50	d.r.s.ss.s.	r.s.d.
497				
502	01031	50	r.r.d.r.	r.r.ir.
628	95031	02	r.	r.
715	03021	01	r.r.-r.s.	r.s.r.r.rsr.
703	01041			
827	01031	01	pr.pr.s.pr.h.	pr.pr.s.
817	01011	50	phrspr.	ph.r.s.pr.
804	00061	02	+	+
809	04011	50	ph.ph	+
894	92041	03	ph.r.	pr.ph
534	01015	00	r.rsr.s.r.	r.r.d.
559	01011	01	r.s.ir.rs	ir.
462	01015	00	r.	r.s.Sr.s.
354	01015	50	r.-d.	d.r.-ss.r.s.
414	02015	00	r.ir.	ir.-r.s.r.s.
360	03015	50	ir.	r.Rr-rsr.s.hr
396			ir.r.r.	ir
257	04015	50	pr.prprs	pr.s.prs
262	07022	01	rrprs	r.r.prsph
222	02015	50	r.r.rsr.s.	+
302	06011	01	rsrrpr.	pr.ir
334	01015	00	r.r.	r.
318	01035	01	r.s.r.s.r.rs	r.s.
204	02025	50	rr	r.r.
131	02011			
162	06017	50	r.rsr.s.r.s.	r.s.r.s.s.s.
135	02013	50	rsr.s.r.s.r.	d.r.
140	96025	50	r.s.r.s.	is.r.s.
171	13016	50	r.r.s.r.s.rsr	r.s.s.s
091	08007	51	hrsr.s.r.s.s	rssifr.s.ph.
005	97035	00	+	ph.
075	91025	50	pr.	pr.
010	95030	01		
049	97042	01	pr.	pr
026	92021	01	pr.	ph.r.
022	92015	51	pr.s.	pr.
100	97031	01	pr.	+
917	94006	52	pr.s.	jp
980	02021	00		
976	02031	01		
965	97015	52		
969	92017	52		
962	97013	57		
952	00031	50		
953	01031	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	15001	81117	98022	07506	855//	00608	/////	/////	00205	10597	3//10	/////
L	99569	70203	15004	12507	98018	16604	12400	00105	81816	/////	0//56	10981	30502	99/06
M	99663	10018	15004	40308	98021	15803	48500	00212	/////	/////	05751	10739	30302	/////
R	99469	70170	15004	11109	98020	22909	12500	00217	81830	/////	0//03	11175	30000	34707

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_lhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwtT$	$3P_wP_wH_wH_w$
C	99527	70355	15061	81128	97616	04306	8742/	00716	/////	/////	00006	10600	3//12
L	99568	70202	15064	32313	97278	16604	39400	00005	83912	/////	0//50	10992	30703
M	99663	10018	15064	53610	97810	17703	53500	00208	/////	/////	05850	10731	30301
R	99469	70170	15064	11612	98020	22609	15600	00400	81640	/////	0//01	11178	30000

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue SUNDAY 16 JANUARY 1977

OBSERVATIONS at 12h. 15 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_d app	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
be Down	746	83113	62616	05103	853//	02129	82707	86614	88625
	862	82916	70026	05905	854//	02228	81710	86612	88640
m	797	82915	56602	99503	873//	02122	83709	88711	
k	776	83015	58206	02803	853//	02227	86709	88618	
	775	82910	56056	02704	864//	02226	85710	88714	
ow	772	73012	58216	02804	754//	02226	86615	87630	
gton	586	73017	37237	99103	752//	02225	86705	87640	
ham	590	73119	45617	98803	752//	02224	82704	85706	87618
ton	497	83310	56616	97204	855//	03224	88625		
rth	502	73225	75036	07904	724//	01115	87815		
	628	62911	62056	06005	654/1	01124	81710	85625	
	715	83017	58686	07502	3732/	01122	83706	88459	
d Point	703	73330	82022	10105	755//	01125	87620		
Batten	827	43314	75258	10006	49400	02216	82912		
ygan	817	73229	75158	12106	784//	51115	85818	85635	
	804	33325	80020	15408	32500	01216	83820		
se	809	53023	75272	13205	59300	01116	82706	84915	
ey	894	62925	70278	10606	69400	02221	81712	82915	84822
	534	83114	50046	03803	6541/	01121	83710	85640	
gton	559	83014	58606	02103	853//	02224	83709	84712	88624
ng	462	83115	40237	01303	873//	02121	84706	88708	
ll	354	83308	50607	02602	873//	01218	84706	88708	
ury	414	73412	57587	04903	753//	02217	83708	83613	86620
ley	360	83215	57587	02402	873//	01316	88706		
Point	396	83313	62032	00204	854//	02120	85715	88625	
ng	257	73312	50838	03701	792//	01216	82803	86808	82907
outh	262	60125	69028	04003	635//	02216	86925		
e	222	83209	75032	06403	48347	01117	81707	83363	88270
	302	73515	70258	07904	68432	03221	85816	86070	
ay	334	83212	35237	04603	65418	01118	86616	87462	
Gate	318	73412	68216	05504	6841/	01120	81818	85656	87462
sway	204	83614	72256	07603	28447	02119	81712	88272	
Galloway	131	80225	82022	08803	2851/	01221	81825	88460	
emuir	162	63412	60267	06500	12578	52108	81820	83364	85272
vick	135	83407	65042	09102	35677	51112	83645	85360	87462
tsinch	140	73108	81027	08703	25738	51105	82650	83360	87270
rs	171	73212	70017	06503	2567/	51708	82630	83360	87464
	091	80108	68158	06602	854//	51500	81714	83622	88645
ck	005	80325	65258	09104	5342/	50709	83912	83816	88460
	075	80119	66878	09004	6842/	02802	84815	85640	88460
kerry	010	83625	74022	11806	6857/	03803	84820	86625	88460
Wrath	049	83616	80038	11605	6857/	02101	84820	85625	88360
way	026	60208	65278	12905	594/2	02105	82910	85640	
cula	022	73306	70158	13403	58432	02106	82818	85635	
	100	60311	84012	12005	38442	52008	81818	83359	
grove	917	70103	81022	10902	78548	00219	81820	87635	
	980	70612	81808	11605	53532	01315	85820	84070	81920
llet	976	73118	78258	14305	794//	02209	82717	85920	84920
	965	43015	80018	13003	485//	02108	81820	83635	
n	969	53010	80011	10202	35430	00216	81712	83628	
on	962	23115	84010	14806	28500	01206	81822		
es Point	952	12816	80020	14605	19400	50113	81918		
tia	953	33212	75278	17206	33500	02108	83920		

OBSERVATIONS at 18h. 15 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_d app	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
	746	73312	70216	09002	784//	01226	82812	86626	
	862	63015	68018	09404	68403	02320	82815	86622	
	797	83018	40602	04502	852//	02222	81704	84705	88612
	776	73111	60216	06603	755//	01220	87628		
	775	83011	62026	07004	854//	00226	85715	88620	
	772	83013	61036	07003	854//	01226	85718	88625	
	586	83014	56216	04002	862//	01222	85705	88708	
	590	83118	45586	03602	872//	01223	84703	88705	
	497	83110	58026	02502	855//	01227	88625		
	502	83523	60258	11903	852//	02219	82705	86708	88621
	628	23307	70011	09903	18431	51226	81818		
	715	42914	70018	10902	28401	01223	81812	83075	
	703	63125	76028	12805	62500	01220	86820		
	827	63216	60258	13005	684//	02217	84815	84630	
	817	43325	65258	14105	43400	01210	82912	83817	
	804	33323	80020	17007	32500	00210	83820		
	809	53023	75158	15005	59400	01113	82912	84818	
	894	33020	80018	13105	32500	01214	83820		
	534	33112	58046	08202	36400	51225	83712		
	559	82811	59216	06703	854//	01228	87617	88625	
	462	63116	66017	05802	654//	51225	81712	83618	85634
	354	83110	64706	06702	857//	51220	88656		
	414	73111	58046	09002	754//	00121	82710	85625	87630
	360	83011	59686	06302	6547/	00220	84613	85617	88460
	396	53019	68258	04302	43441	01223	84915		
	257	63110	70018	06601	684//	51114	81816	86640	
	262	53212	66028	06601	55600	50212	85630		
	222	73309	65022	08302	45578	51313	81620	84656	85465
	302	63608	62278	11403	694//	01217	86918		
	334	73113	62022	08803	3553/	52219	83620	87360	
	318	73412	65022	09004	784/2	00217	82818	87646	
	204	73315	60891	10604	59502	00111	85922	85072	
	131	63517	82032	11003	38508	00313	82825	85275	
	162	83116	70037	08401	856//	53115	88635		
	135	53413	70031	10503	25631	51213	81630	84075	
	140	73306	70038	09903	15672	51211	81630	87462	
	171	82907	60838	08201	4242/	01211	82710	83824	88460
	091	83605	30858	07701	5821/	00209	83705	84812	88458
	005	40502	70018	10702	43470	50211	81912	83815	
	075	80314	60808	09503	7242/	02307	84710	87812	88460
	010	83427	74258	11705	885//	04202	85820	88625	
	049	80220	80606	11603	874//	01400	88715		
	026	60218	75038	13704	694//	02204	83710	84912	
	022	23510	83028	14902	18501	00208	81820		
	100	43514	82018	13403	38402	01109	82818		
	917	12904	70028	13001	10930	51211	81360		
	980	33117	83038	13505	22530	01112	82822		
	976	43208	76258	15804	494//	02210	81718	84920	83920
	965	22907	75011	15801	25600	00218	82630		
	969	12809	75011	13401	15600	50215	81635		
	962	32808	82028	17002	39500	01315	82920	81920	
	952	12916	80010	17103	19400	01215	81918		
	953	53313	75028	19306	53500	00217	85920		

OBSERVATIONS during DAY

	iii	RRT×T×E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
	746	92043	006	r.r.	ir.
	862	97051	009	r.	pr.
	797	01041	000	r.	[redacted] rr.
	776	01041	000	d.-r.r	r.r
	775	97051	001	r.	r.
	772	92051	000	d.r.r.R	r.
	586	03041	001	rsrsr.ir.	r.r.ir.
	590	03032	000	d.rsr.	d.-d.r.
	497		000		
	502	02041	000	pr.	pr.pr.
	628	00061	011	+	+
	715	02031	000	r.-r.s.rspr.	pr.pr.s.
	703	97061	004		
	827	91071	047	pr.	pr.
	817	01061	020	pr.phr	phrpr.
	804	00071	048	+	+
	809	01072	041	ph.	pr.ph.
	894	01071	027	phr	pr.
	534	97045	000	r.	r.r.
	559	97041	000	ird.r.	d.r.r.
	462	95031	001	r.r.s.r.d.	r.s.r.d.s.
	354	92035	000	fo	so
	414	92045	002	r.d.r.	ph.r.
	360	01035	002	r.s.-s.sid.r.	r.-r.s.r.s.
	396			irs	irsprsphrspr
	257	02023	000	pr.s.pr.	+
	262	02042		prs	ps.
	222	00031	000	+	+
	302	95051	004	pr.	pr.ph.r.
	334	96045	000	r.-r.s.	+
	318	92045	001	r.r.	+
	204	01051	019	r.pr.	ph.pr.
	131	00031			
	162	93017	000	s.sps.	s.s.
	135	00041	006	+	+
	140	97051	002	pr.	+
	171	97035	000	+	pr.pr.s.r.s.
	091	01037	000	ps.ph.s.pr.s.	pr.s.ps.
	005	02053	000	ph.pr.ph.	pr.
	075	05055	000	ph.pr.s.prs	pr.phr
	010	04062			
	049	94042	002	pr	ir.
	026	03061	016	pr.ph.r.	ph.r.
	022	92035	006	pr.s.	+
	100	97061	030	+	pr.ph.r.pr.
	917	92036	014	pr.	+
	980	9706	017		
	976	0407	021		
	965	9704	038		
	969	0003	031		
	962	9207	045		
	952	0006	064		
	953	0507	035		

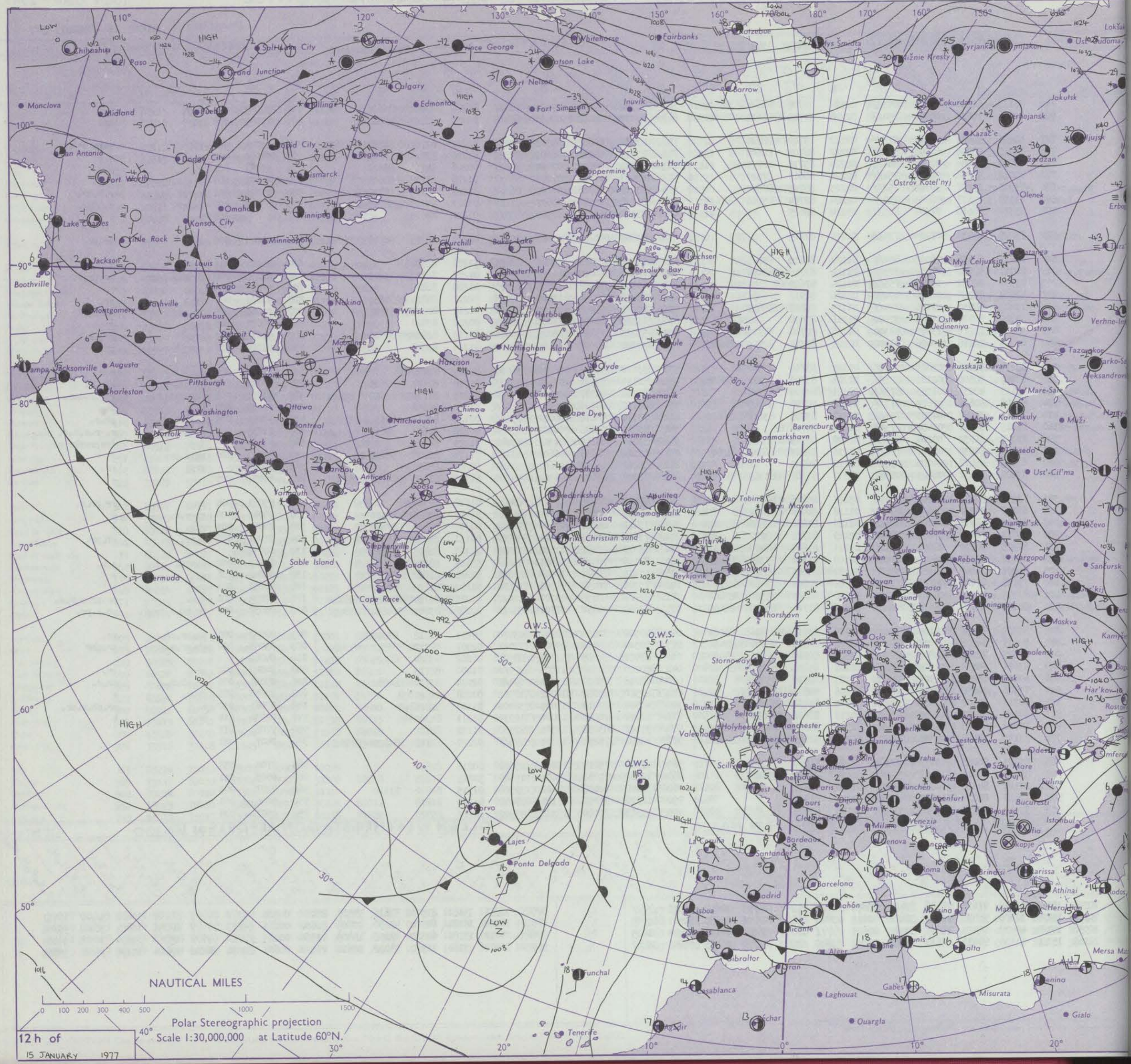
OCEAN WEATHER STATION REPORTS at 12h.

	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	15121	81018	97616	01106	8742/	00804	/////	/////	00205	10608	31312	/////
	99569	70200	15124	31606	98808	19604	39401	00215	83910	/////	0//01	10985	30501	99/05
	99663	10018	15124	40418	98021	18004	32502	00805	/////	/////	05551	10727	30403	34005
	99469	70169	15124	61516	98031	22610	38601	00802	82840	83073	0//04	11175	30602	35807

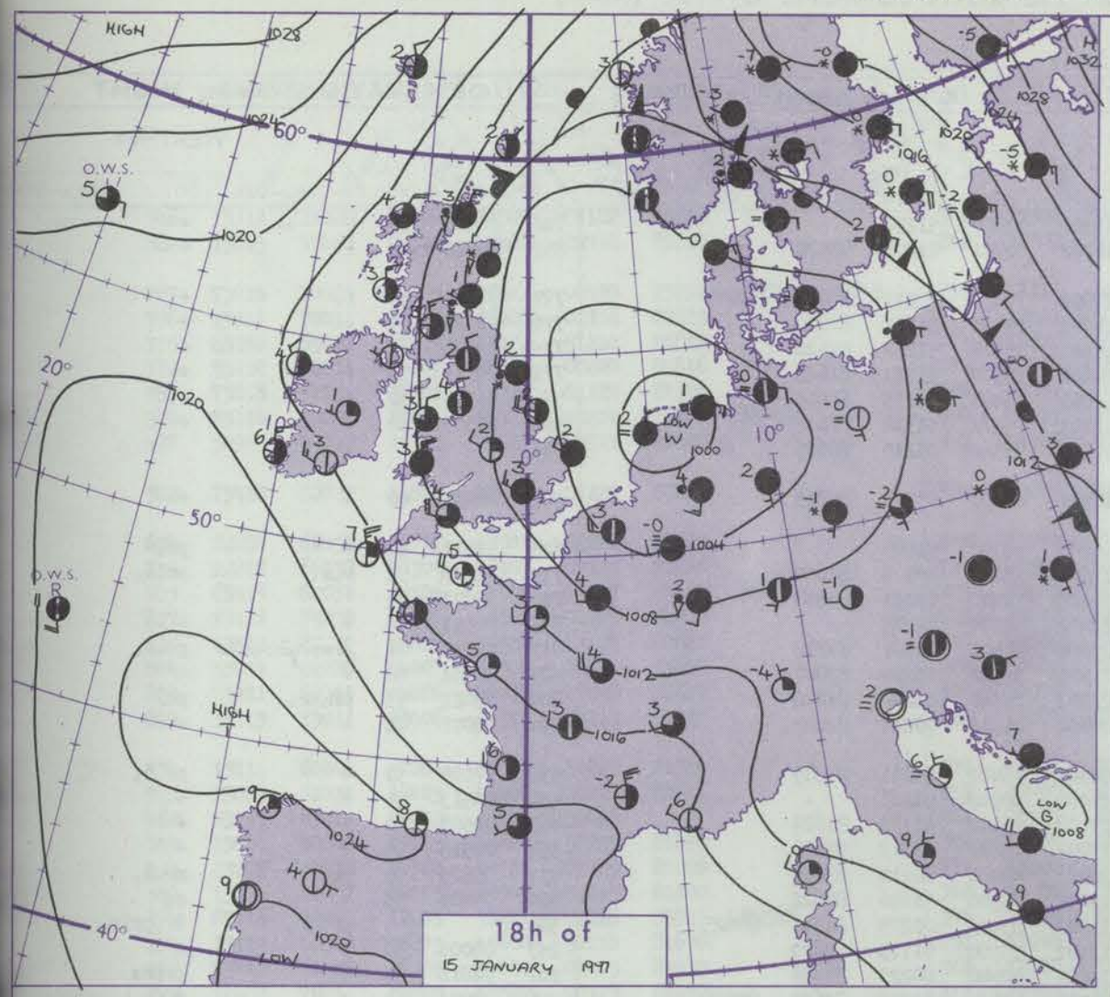
OCEAN WEATHER STATION REPORTS at 18h.

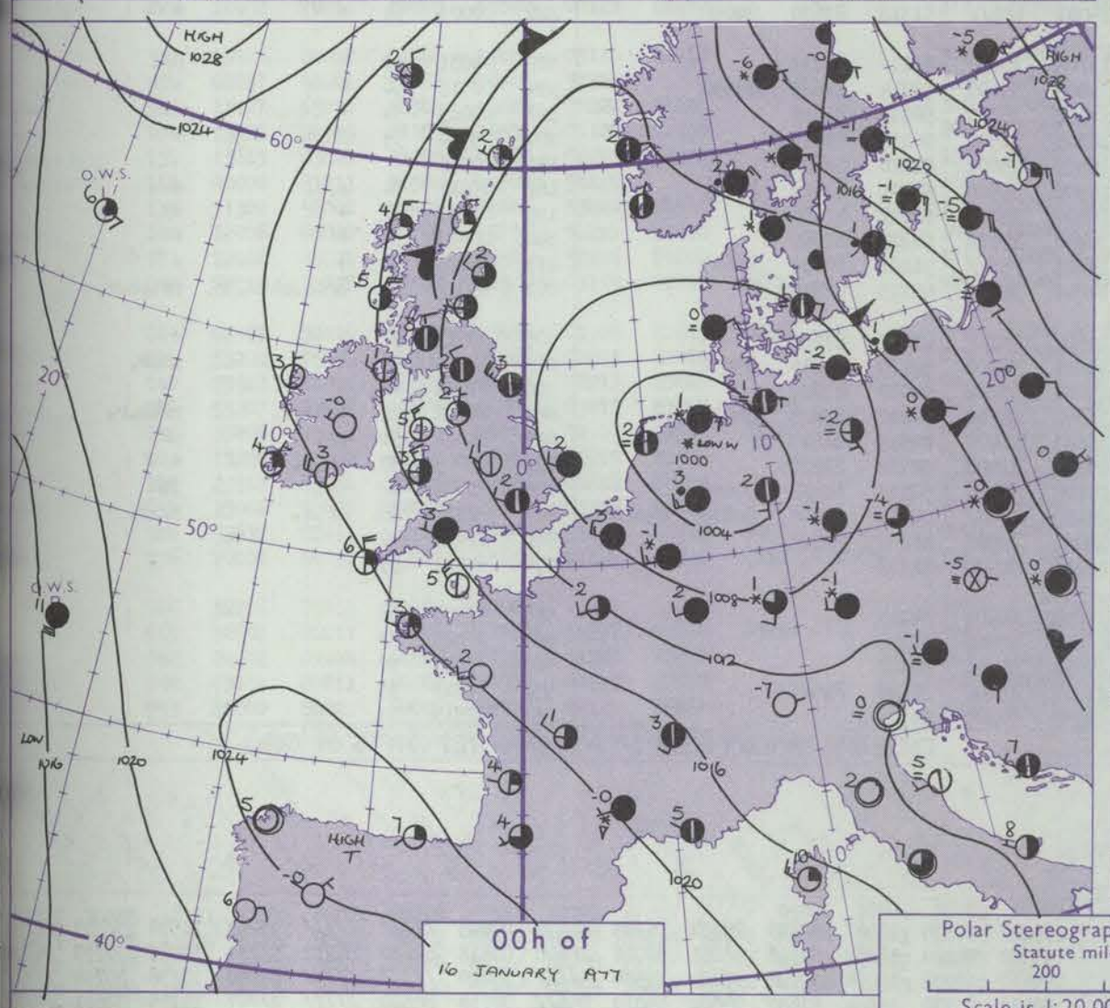
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	15181	81504	97616	99507	8742/	00504	/////	/////	00207	10602	3////	10411
L	99570	70203	15184	60908	98038	20705	52402	00105	85817	/////	0//51	10981	30401	99/05
M	99663	10017	15184	60320	97258	18805	49560	00205	/////	/////	05350	10694	30505	34005
R	99470	70170	15184	71522	98022	20510	785//	00604	82830	86640	0//04	11175	30606	35705

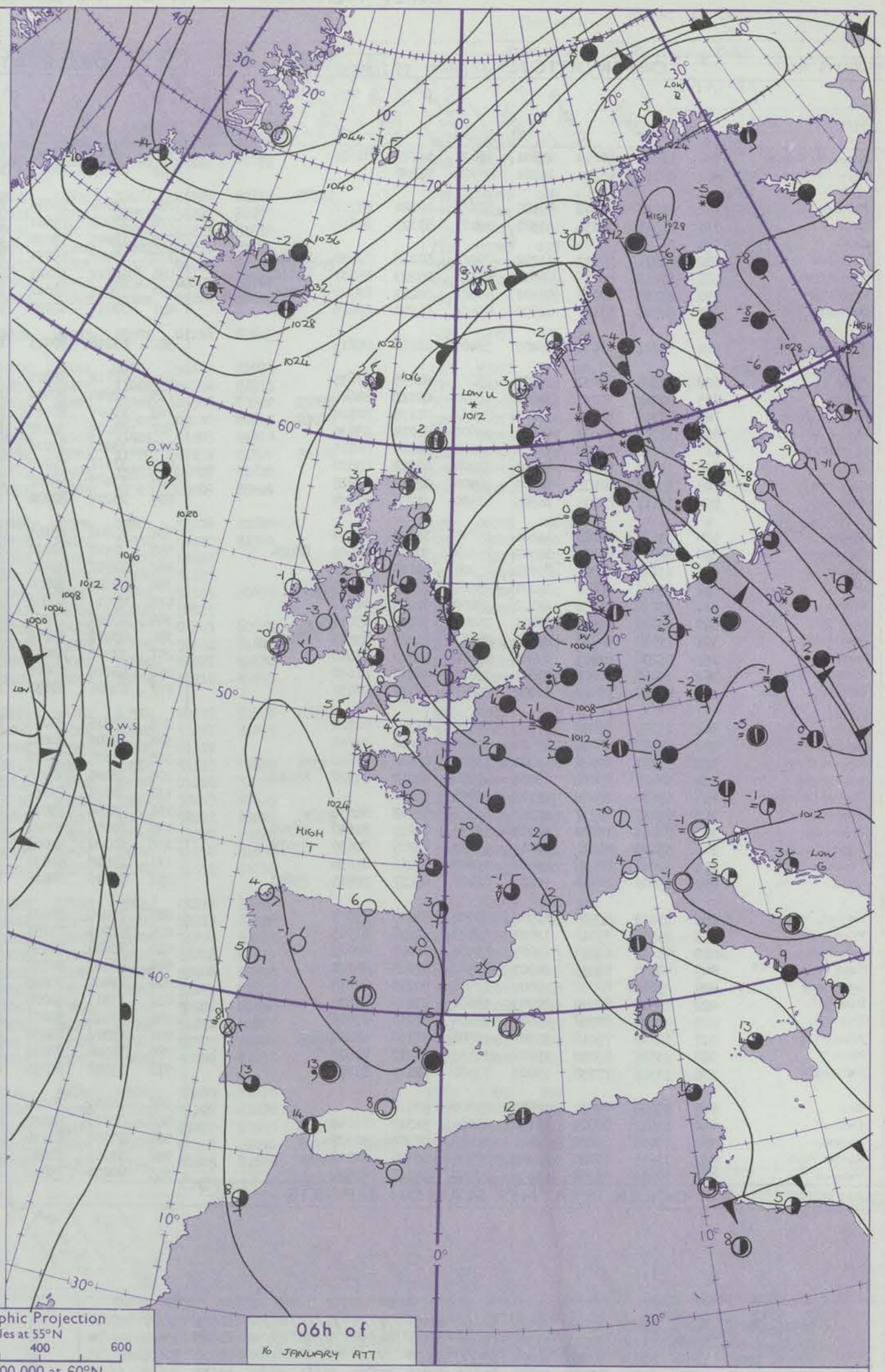
CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


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
15 JANUARY 1977
HIGH
LOW
Chihuahua
El Paso
Salt Lake City
Grand Junction
Monclova
Midland
Abilene
San Antonio
Dodge City
Fort Worth
Lake Charles
Little Rock
Kansas City
Jackson
St. Louis
Boothville
Montgomery
Nashville
Columbus
Tampa
Jacksonville
Augusta
Charleston
Pittsburgh
Washington
Norfolk
New York
Bermuda
Caribou
Anticosti
Yarmouth
Sable Island
Stephenville
Gander
Cape Race
Goose
Prince George
Whitehorse
Fairbanks
Watson Lake
Fort Nelson
Calgary
Edmonton
Fort Simpson
Inuvik
Barrow
Katzebue
Rapid City
Regina
Bismarck
Omaha
Minneapolis
Winnipeg
Island Falls
Churchill
Baker Lake
Chesterfield
Coppermine
Fuchs Harbour
Cambridge Bay
Gould Bay
Resolute Bay
Eureka
Arctic Bay
Chicago
Detroit
Cleveland
Nakina
Winisk
Moosonee
Port Harrison
Nottingham Island
Cape Dyer
Resolution
Nain
Hopedale
Goose
Frobisher
Ottawa
Montreal
Moncton
Port Chimo
Lake Harbour
Clyde
Thule
Godthab
Frederikshab
Julianehaab
Angmagssalik
Prins Christian Sund
Albutitea
Reykjavik
Jan Mayen
Nord
Kap Tobin
Danmarkshavn
Daneborg
Barencburg
Hopen
Bjornoya
Thorshavn
Stornoway
Belmullet
Valentia
Scilly
Belfast
Holyhead
Manchester
London
Glasgow
Oslo
Stockholm
Helsinki
Moskva
Bergen
Aberporth
Paris
Bruxelles
Hannover
Berlin
Praha
Warszawa
Gdansk
Brest
Tours
Bern
München
Klagenfurt
Wien
Budapest
Bucuresti
Milano
Venezia
Genova
Roma
Napoli
Bari
Brindisi
Istanbul
Athinai
Skopje
Beograd
Odessa
Simferopol
Sevastopol
Rostov
Kharkov
Minsk
Kaunas
Gdynia
Bordeaux
Santander
La Coruña
Porto
Lisboa
Madrid
Barcelona
Palma
Alicante
Gibraltar
Oran
Alger
Tunis
Malta
Casablanca
Agadir
Tenerife
Funchal
Laghouat
Ouargla
Gabes
Misurata
Gialo
Tripoli
Benina
Mersa Matruh
Heraklion
Rodos
Lajes
Ponta Delgada
Terceira
Bermuda
Murmansk
Arkhangel'sk
Tromsø
Petrozavodsk
Kargopol
Sankt-Peterburg
Vologda
Cherepovets
Sankt'kij
Ust'-Cil'ma
Mezen
Naryan-Mar
Mare-Sale
Tazovskoe
Russkaja Gavan'
Ostrov Dikson
Ostrov Dikson
Ostrov Kotel'nyj
Ostrov Zelanya
Ostrov Bol'shevik
Ostrov Jedineniya
Mys Celjuskin
Tiksi
Olenek
Verhne-Indigirsk
Aleksandrovsk
Jakutsk
Ust'-Maja
Ojmjakon
Zyrjanka
Anadyr'
Markovo
Kazač'e
Verhojansk
Ljujsk
Zyrjanovsk
Ust'-Kamenogorsk
Barnaul
Omsk
Tjumen'
Kurgan
Ekaterinburg
Perm'
Kirov
Kazan'
Ufa
Orenburg
Saratov
Volgograd
Astrakhan'
Kamyšin
Har'kov
Rostov
Sevastopol
Simferopol
Odessa
Sulina
Constanta
Sofia
Skopje
Beograd
Bucuresti
Istanbul
Athinai
Rodos
Heraklion
Mersa Matruh
Benina
Misurata
Gialo
Tripoli
Gabes
Malta
Tunis
Alger
Oran
Laghouat
Ouargla
Béchar
Agadir
Casablanca
Gibraltar
Tenerife
Funchal
Lajes
Ponta Delgada
Terceira
Bermuda
Sable Island
Cape Race
Gander
Stephenville
Goose
Anticosti
Caribou
Yarmouth
Norfolk
New York
Washington
Pittsburgh
Charleston
Augusta
Jacksonville
Tampa
Boothville
Montgomery
Nashville
Columbus
Detroit
Cleveland
Chicago

CHARTS OF WEATHER IN WESTERN EUROPE







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

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday SUNDAY 16 JANUARY 1977

During the past 24 hours a deep depression over the southern North Sea moved slowly north-east, and filled considerably. As a consequence the strong winds over the British Isles moderated during this period. During the next 24 hours the depression will continue to move away eastwards, and will fill up. A trough of low pressure in mid-Atlantic will make only slow eastward progress, and a slack and indeterminate pressure field will be established over the British Isles.

Code FM 11.V **OBSERVATIONS at 00h.** 16 JANUARY 1977

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	12913	80011	13601	15600	51219	81635		
Hurn	862	02910	65021	14201	00900	01220			
Manston	797	83015	65602	09102	874//	00224	88710		
Gatwick	776	52813	62031	11501	45401	51123	84618		
Kew	775								
Heathrow	772	72811	59031	11202	755//	50218	82620	87642	
Honington	586	83015	56056	08601	863//	00219	85707	88710	
Wattisham	590	83118	62026	08401	853//	00222	82707	85708	88611
Gorleston	497	82908	58227	06902	855//	01220	88625		
Aberporth	502	53217	70038	15403	58400	00218	85815		
Filton	628	72808	65031	13802	756//	51215	87635		
Rhoose	715	43012	70231	14802	45600	00122	84640		
Hartland Point	703	73318	82258	16105	784//	01116	87818		
Mount Batten	827	33310	70031	16604	35600	01214	83630		
St. Mawgan	817	43518	70268	17504	42400	02214	84815		
Scilly	804	33318	80020	19806	32500	01213	83820		
Culdrose	809	33213	70038	18105	38400	02113	81818		
Guernsey	894	13217	82011	16505	11500	01214	81825		
Elmdon	534	13110	68021	11801	15700	51220	81650		
Cardington	559	82911	63032	10502	855//	50216	83622	88624	
Wittering	462	43113	68017	09601	45400	50218	84616		
Watnall	354	13005	66027	10201	15500	52220	81625		
Shawbury	414	33210	66258	12102	38400	00215	82818		
Finningley	360	33010	70037	09601	35400	51217	83619		
Spurn Point	396	73020	66258	07902	784//	01215	83815	87620	
Leeming	257	23206	82021	09701	15602	51213	81640		
Tynemouth	262	13410	66028	09601	15600	00211	81630		
Carlisle	222	73208	70022	11002	756//	51117	87632		
Valley	302	13215	80028	14205	11500	01213	81820		
Ringway	334	23107	60021	11901	25740	52216	82650		
Squires Gate	318	23603	70031	11602	11501	00112	81820		
Ronaldsway	204	43017	75278	13005	49500	02212	81920	83640	
Mull of Galloway	131	03630	85010	12103	00900	51201			
Eskdalemuir	162	63217	70717	10301	656//	52113	86630		
Prestwick	135	73411	75022	12003	15732	00212	81650	86360	
Abbotsinch	140	53105	80012	12003	25642	52219	82630	83075	
Leuchars	171	52907	80038	10901	55600	51216	85636		
Dyce	091	63109	75018	10602	68400	01217	82815	85640	
Lerwick	005	33003	80030	12502	00901	51105	83075		
Wick	075	23508	75018	12801	23430	50218	81915		
Sule Skerry	010	43618	66838	13605	43500	04007	84920		
Cape Wrath	049	83610	80258	14903	865//	02223	88720		
Stornoway	026	23614	80018	16004	22400	00216	82818		
Benbecula	022	13515	82020	17003	15600	51210	81635		
Tiree	100	40120	80258	15805	48400	02210	82814		
Aldergrove	917	12808	75018	15301	12500	51110	81820		
Malin	980	23525	83018	15906	12530	51212	81822		
Belmullet	976	13306	77038	19003	13500	02117	81920		
Birr	965	03005	70021	18550	00900	50116			
Dublin	969	12812	80010	16150	15600	51312	81640		
Shannon	962	13008	80020	19401	15500	00207	81627		
Roches Point	952	12818	80020	19303	19400	00106	81918		
Valentia	953	20204	75258	21204	22500	01111	82820		

OBSERVATIONS at 06h. 16 JANUARY 1977

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	02711	80021	16300	00900	51210			
862	22909	70011	16702	00901	01207	82070		
797	72914	70016	12902	754//	00215	85613	86645	
776	22908	70011	14701	25500	51211	82622		
775	12605	75020	14501	15500	51212	81620		
772	13007	65031	14601	15500	51211	81622		
586	42912	58221	12001	45400	51115	84615		
590	73015	62012	12101	754//	51314	87615		
497	83013	60027	10502	855//	01215	88625		
502	63216	80021	17904	68400	01309	85815		
628	02911	65021	16403	00900	51209			
715	12910	80020	17601	15700	50113	81650		
703	13007	87020	19105	12400	01211	81818		
827	03205	70020	19402	00900	01208			
817	33312	70018	20204	38400	01107	82812		
804	33317	82020	21905	32500	03205	83820		
809	23403	65028	21303	28400	01210	81816		
894	23214	82030	19704	21500	00211	82822		
534	12809	68261	14501	18400	51111	81815		
559	02510	62021	14000	00900	51213			
462	12912	62010	13100	15500	51113	81620		
354	42803	62030	13701	45600	51212	84640		
414	43011	66028	14901	48400	00210	83819		
360	43106	72031	13001	45500	51216	84622		
396	83219	64216	11902	854//	00215	84711	88625	
257	33210	82011	13101	35500	51113	83620		
262	43212	80028	13601	40940	00220	84358		
222	62808	80031	15001	656//	51318	83630	84648	
302	13316	80011	16705	12400	02211	81814		
334	52702	50041	14900	55600	52214	81635	85650	
318	13607	75011	14702	15701	50315	81650		
204	13605	82018	16303	12500	00218	81825		
131	10114	85020	16503	15600	01220	81630		
162	53214	75027	15301	55500	52220	82620	85635	
135	10205	80021	16600	15701	52219	81656		
140	10000	80021	16452	10930	54223	81359		
171	73008	80031	15103	756//	51221	84632	86645	
091	33010	80018	14701	38400	00215	82814		
005	70000	80021	13602	757//	01002	87650		
075	52703	75151	15251	58400	52210	82816	85632	
010	33609	74258	15905	33500	04010	83920		
049	40510	84258	16604	48500	01210	83820	84625	
026	23408	80028	18603	28400	00311	81815		
022	13311	82028	19903	12400	50211	81818		
100	53518	82011	19105	58400	50215	82818	84640	
917	63312	60838	18102	683//	00112	82708	84815	85620
980	23524	82030	18806	22500	51107	82822		
976	03302	74018	21251	00900	51109			
965	00201	70020	21753	00900	54212			
969	02710	82020	19351	00900	52218			
962	00000	80110	21951	00900	52107			
952	13005	80020	21801	15600	00209	81640		
953	00000	75010	22350	00900	51500			

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–0
746	00503	53	+	+
862	00013	52	+	+
797	97011	51	r.	+
776	00503	53	+	+
775	00003	53	+	+
772	00513	53	+	+
586	91503	52	+	s.
590	00503	52	+	+
497				
502	00031	00	+	+
628	97011	53	+	pr.
715	92003	52	r.s.	pr.s.
703	91041	01		
827	00011	54	+	+
817	05031	01	ph.pr.s.o	ph.r.
804	00051	02	+	+
809	92021	53	ph.pr.	ph.
894	00041	02	+	+
534	97005	53	+	pr.s.
559	00513	54	+	+
462	00503	52	+	+
354	00515	55	+	+
414	01525	55	pr.	pr.s.
360	97005	53	+	s.
396			pr.ir.	ir.pr.s.
257	00003	53	+	+
262	94012	51	+	prprs
222	00003	54	+	+
302	94031	50	+	pr.
334	00515	56	+	+
318	00015	54	+	+
204	93504	55	ph.r.	+
131	00011			
162	97517	54	s.s.	+
135	00533	57	+	+
140	00533	57	+	+
171	00005	52	+	+
091	95017	51	pr.s.ph.r.pr.	pr.ph.r.
005	00513	57	+	+
075	94515	54	+	ph.r.
010	04032	01		
049	05042	02	prph.r.	prph.r.
026	95011	51	pr.	pr.
022	97015	53	pr.s.	+
100	91041	02	pr.	jp
917	92525	56	pr.s.	pr.s.
980	97051	00		
976	94523	55		
965	97553	58		
969	97525	53		
962	97533	59		
952	97013	53		
953	92513	53		

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	$N_h C_L h C_M C_H$	Dsvsapp	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_sT_sT_dT_d$	$ITwTwTwT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16001	92402	92454	97505	9////	00000	/////	/////	05204	10601	3////	10/10
L	99570	70204	16004	21110	98021	21505	15601	00802	81635	/////	0//54	10987	30502	99/04
M	99663	10013	16004	80624	97208	20004	894//	00209	/////	/////	05301	10603	30606	34/05
R	99471	70170	16004	81629	98032	17810	856//	00715	88640	/////	0//06	11138	30608	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	Dsvsapp	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_sT_sT_dT_d$	$ITwTwTwT_T$	$3P_wP_wH_wH_w$
C	99527	70355	16061	62809	98034	94705	58530	00608	/////	/////	05203	10590	3//03
L	99570	70204	16064	51116	98031	19006	25606	00818	82630	84272	0//51	10983	30703
M	99662	10021	16064	90728	97022	19504	9////	31400	/////	/////	05550	10738	30708
R	99471	70170	16064	81632	98022	15010	856//	00718	88640	/////	0//07	11155	30611

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue MONDAY 17 JANUARY 1977

OBSERVATIONS at 12h. 16 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_d app	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$
746	13112	72020	20004	11500	01122	81822		
862	13015	70020	20305	18501	02116	81820		
797	73014	70021	17103	784//	00120	83712	83816	87645
776	23211	70011	18604	28400	01218	82815		
775	63110	65021	18903	624//	51220	86818		
772	53110	70011	19004	58400	00220	85816		
586	73013	57051	17101	763//	01125	87706		
590	83114	59021	17001	863//	50224	85707	88709	
497	52908	48012	15703	55500	02221	85620		
502	73410	82022	21804	784//	01221	87812		
628	22810	62058	20705	18501	02220	81823		
715	22812	66038	21305	18405	02120	81816		
703	63415	82031	22506	42506	03217	84820	85075	
827	23412	75030	22006	11502	01009	81820		
817	43512	82031	23606	32530	01214	83820		
804	33411	82020	24407	32500	03210	83820		
809	53311	80011	24006	22472	03213	82818		
894	33313	83011	23006	21502	50115	82820		
534	13111	60041	20003	11400	51229	81814		
559	23008	62031	18403	25400	00219	82616		
462	03213	63011	18202	00900	51026			
354	13006	59040	19003	15600	51228	81630		
414	23209	82010	20304	11501	01125	81820		
360	13413	61047	18203	18500	50123	81820		
396	63016	60258	17203	5947/	02228	85915	86360	
257	13212	66018	18803	15600	50222	81630		
262	43412	61028	18903	43600	02225	84930		
222	12402	70011	19803	15640	00123	81630		
302	10106	84028	21406	13401	03118	81918		
334	02807	56041	20303	00900	51224			
318	13407	65020	20305	15600	02224	81635		
204	13409	84010	21105	12531	01120	81820		
131	13613	85020	21205	11500	02221	81825		
162	00000	81011	20302	00900	51125			
135	11302	56040	21401	15600	53220	81640		
140	12906	80020	20704	15730	51219	81650		
171	12406	84021	19503	18500	50216	81820		
091	73010	75028	18303	763//	01115	82709	86712	
005	62907	80018	15604	18438	01108	81815	84268	
075	53202	75258	18303	39463	02213	82915		
010	33512	74011	18905	32500	02213	83820		
049	53207	80018	19805	58500	03212	83820	85625	
026	33406	75018	21403	39400	01111	81914	83818	
022	13206	82020	22804	12401	02215	81818		
100	23511	83031	22306	21500	01214	82822		
917	23002	75028	22403	28401	01215	81818		
980	53612	82011	22507	584//	51112	81718	84822	
976	70000	80031	23502	15636	01108	81640	83360	85270
965	52206	75011	24102	00902	02207	85070		
969	42807	82011	23001	28502	52217	81820	83070	
962	21002	01444	24551	00902	51209	82070		
952	73104	80011	24503	00908	01212	87272		
953	80000	80021	24002	8092/	01111	88464		

OBSERVATIONS at 18h. 16 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_d app	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$
746	13508	74021	23701	00901	51215	81078		
862	10000	45051	24001	00901	50218	81075		
797	73211	62022	21803	764//	01124	82710	87712	
776	12803	60021	23101	00901	51220	81075		
775	12802	58051	23302	15600	51223	81630		
772	12906	56051	23202	00901	00221	81070		
586	73009	50052	21801	753//	01225	82707	86615	
590	83211	48102	21402	863//	02224	88707		
497	43106	60030	20603	45500	02224	84620		
502	30000	81018	24103	25502	01210	82625		
628	13402	80010	23901	00901	52117	81075		
715	23502	67011	24201	11402	50110	81815		
703	53405	68012	24305	32501	03308	83820	85075	
827	33605	62021	24305	15502	03110	81625	83075	
817	20000	82020	24903	11401	01208	81819		
804	60000	82031	25206	11570	01204	81820	86360	
809	30000	80011	25503	15571	01208	81620		
894	53307	81011	24905	51502	00209	85824		
534	13206	50040	23850	15601	52219	81640		
559	12906	58050	23001	10930	50122	81360		
462	03109	56040	22702	00900	00229			
354	02804	40040	23201	00900	51122			
414	43306	75020	23550	15701	51114	81650	84075	
360	03206	56041	22802	00900	50121			
396	33114	58018	21603	22570	01223	82820	83360	
257	12910	75011	23202	15600	51122	81640		
262	12710	61020	23001	15600	51221	81630		
222	22303	60020	23100	15602	51215	81645		
302	30707	82011	24202	11502	00112	81820	83075	
334	12803	50040	24002	00902	51217	81075		
318	03602	45040	23501	00900	01119			
204	30000	70011	23950	12502	51113	81820	83073	
131	20105	84020	23802	12505	01216	81825		
162	10000	75010	23750	15500	53118	81625		
135	41002	28041	23451	15602	52212	81640	84075	
140	22402	70010	23851	00901	53320	82075		
171	22404	84020	22501	15702	52214	81650		
091	12909	80011	21601	15700	51115	81650		
005	62914	70808	17503	5943/	01210	83910		
075	22706	80018	21150	28500	52213	81820		
010	33209	81020	20905	33500	01214	83920		
049	53206	82038	21705	52500	53208	85820		
026	23105	81018	23000	25400	52106	82618		
022	10000	82010	23701	12401	51205	81818		
100	23605	86011	23603	11402	52106	81818		
917	30000	70011	24300	00902	51210	83075		
980	40202	84011	23503	22502	53104	82822	84070	
976	21104	80011	23101	15632	50000	81638		
965	11103	80011	24651	00902	52205	81070		
969	32607	80011	24250	00902	52209	83070		
962	31105	40104	24102	15632	01400	81645	83363	
952	60906	65031	24404	15676	01400	81640	84459	86270
953	81109	84022	22305	1551/	01805	81625	88462	

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00043	061	+	+
862	00063	070	+	+
797	00030	004	+	+
776	00041	030	+	+
775	00043	036	+	+
772	00043	033	+	+
586	00031	003	+	+
590	00023	001	+	+
497		011		
502	92053	000	pr.	+
628	97071	058	pr.	+
715	00053	050	+	+
703	00060	055		
827	00073	062	+	+
817	00071	073	+	+
804	00091	062	+	+
809	00073	075	+	+
894	00071	063	+	+
534	00045	066	+	+
559	00043	060	+	+
462	00033	057	+	+
354	00045	060	+	+
414	00045	064	+	+
360	00045	053	+	+
396			prpr.	pr.
257	92043	037	pr.	+
262	95041		prh	+
222	00051	065	+	+
302	00073	063	+	+
334	00033	066	+	+
318	00053	069	+	+
204	00063	066	+	+
131	00053			
162	00036	058	+	+
135	00053	049	+	+
140	00053	061	+	+
171	00045	054	+	+
091	00036	037	jp	+
005	92053	008	pr.	pr.
075	96045	024	prpr.	pr.
010	97050			
049	92051	023	ph.	ph.
026	92043	048	pr.	+
022	00055	053	+	+
100	00061	041	+	+
917	00065	055	+	jf
980	0007	002		
976	9705	015		
965	9705	053		
969	9702	034		
962	9702	021		
952	9706	058		
953	9706	000		

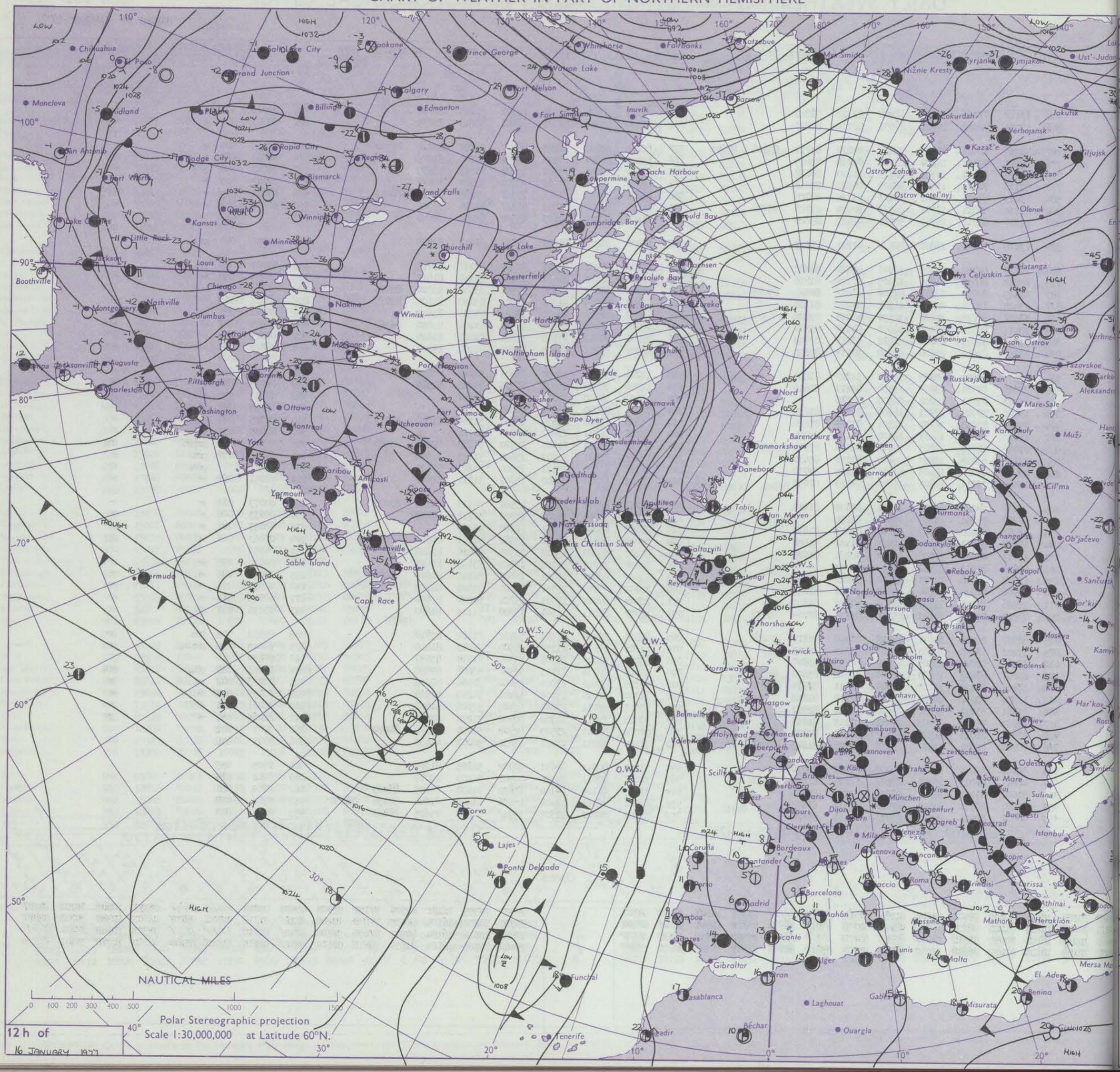
OCEAN WEATHER STATION REPORTS at 12h.

	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	16121	72408	98022	94704	21531	00104	/////	/////	05351	10604	30403	24307
	99571	70206	16124	81122	98022	16007	6841/	00719	83815	86640	0//00	10961	30705	08804
	99661	10019	16124	80632	96812	21004	893//	00208	/////	/////	05502	10737	30808	/////
	99470	70168	16124	81632	96616	13510	6742/	00705	85813	88458	0//09	11163	30612	/////

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	$8N_sC_hh_sh_s$	$8N_sC_hh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	16181	42006	97151	93904	43400	00000	/////	/////	05351	10605	30302	24307
L	99570	70202	16184	81135	97638	10206	6732/	31728	82706	86709	0//03	10980	30808	08807
M	99662	10016	16184	80921	97636	22704	4742/	00210	/////	/////	05301	10648	30606	/////
R	99469	70169	16184	81531	96616	08510	6842/	00818	83816	85640	0//10	11178	30611	/////

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Chihuahua
El Paso
Midland
San Antonio
Fort Worth
Lake Charles
Jackson
Boothville
Jacksonville
Augusta
Charleston
Monclova
Del Rio
Salt Lake City
Grand Junction
Pueblo
Rapid City
Dodge City
Kansas City
Little Rock
St. Louis
Chicago
Nashville
Montgomery
Columbus
Pittsburgh
Washington
Norfolk
New York
Billings
Bismarck
Minneapolis
Winnipeg
Spokane
Calgary
Edmonton
Regina
Yarmouth
Caribou
Antigosti
Stephenville
Gander
Cape Race
Sable Island
Bermuda
Prince George
Watson Lake
Fort Nelson
Fort Simpson
Fort Smith
Inuvik
Whitehorse
Fairbanks
Barrow
Kotzebue
Coppermine
Sachs Harbour
Cambridge Bay
Gould Bay
Churchill
Baker Lake
Chesterfield
Resolute Bay
Nakina
Winisk
Moosonee
Port Harrison
Nottingham Island
Arctic Bay
Eureka
Alert
Thule
Clyde
Cape Dyer
Fort Chimo
Resolution
Frobisher
Godthaab
Frederikshab
Angmagssalik
Ivigtut
Julianehaab
Prins Christian Sund
Reykjavik
Aguliteq
Kap Tobin
Jan Mayen
Danmarkshavn
Daneborg
Barencburg
Nord
Hopen
Bjornoya
Thorshavn
Lerwick
Stornoway
Belmullet
Valentia
Scilly
Holyhead
Belfast
Glasgow
Manchester
Liverpool
London
Cherbourg
Paris
Brest
Tours
Dijon
Bordeaux
Clermont-Ferrand
Lyons
Nice
Milano
Genova
Venezia
Ancona
Roma
Napoli
Brindisi
Palermo
Messina
Malta
Tunis
Algier
Oran
Gibraltar
Casablanca
Laghouat
Quargla
Béchar
Gabes
Misurata
Benina
El Adem
Mersa Matruh
Heraklion
Athinai
Larissa
Skopje
Beograd
Zagreb
Sarajevo
Sulina
Bucuresti
Istanbul
Odessa
Sata Mare
Lvov
Warszawa
Czestochowa
Hannover
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Bremen
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Klagenfurt
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Bern
Milano
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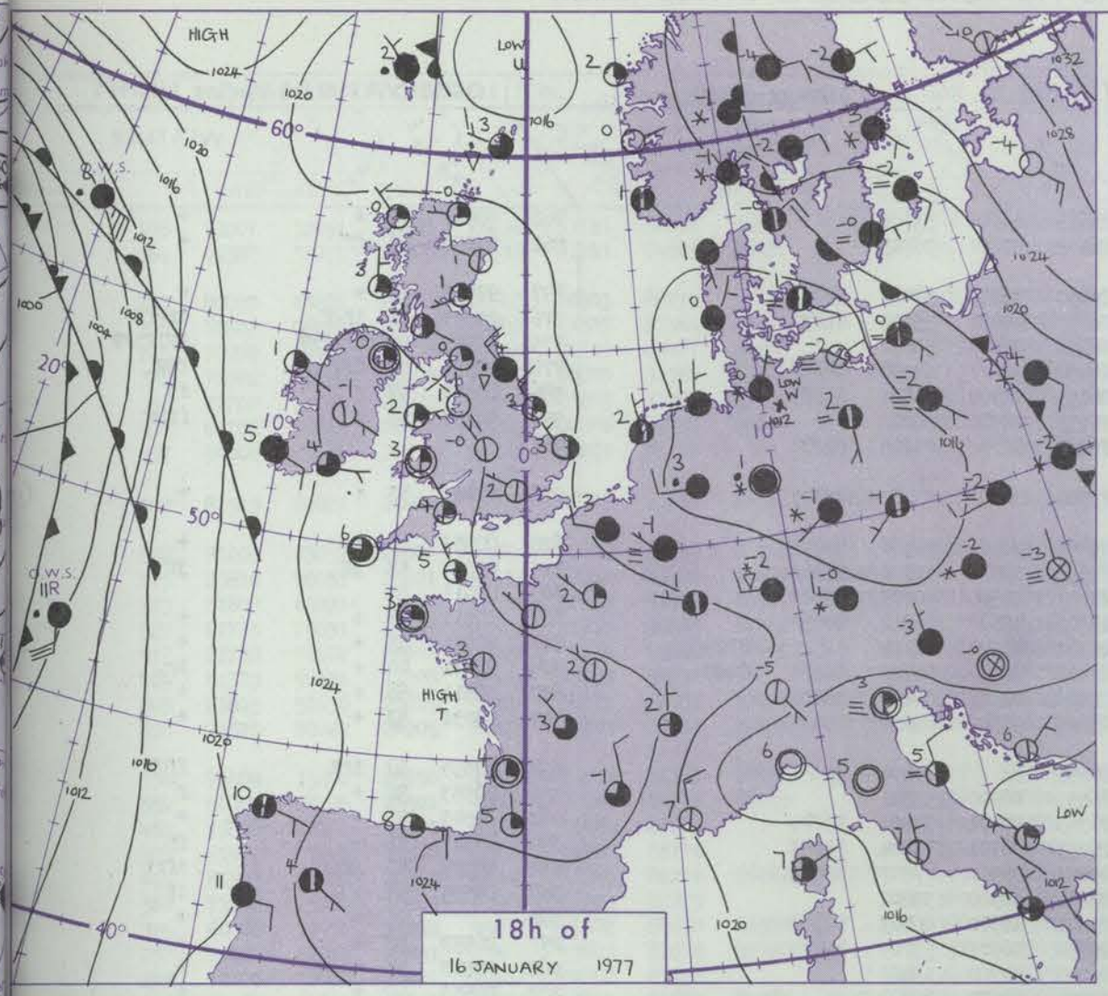
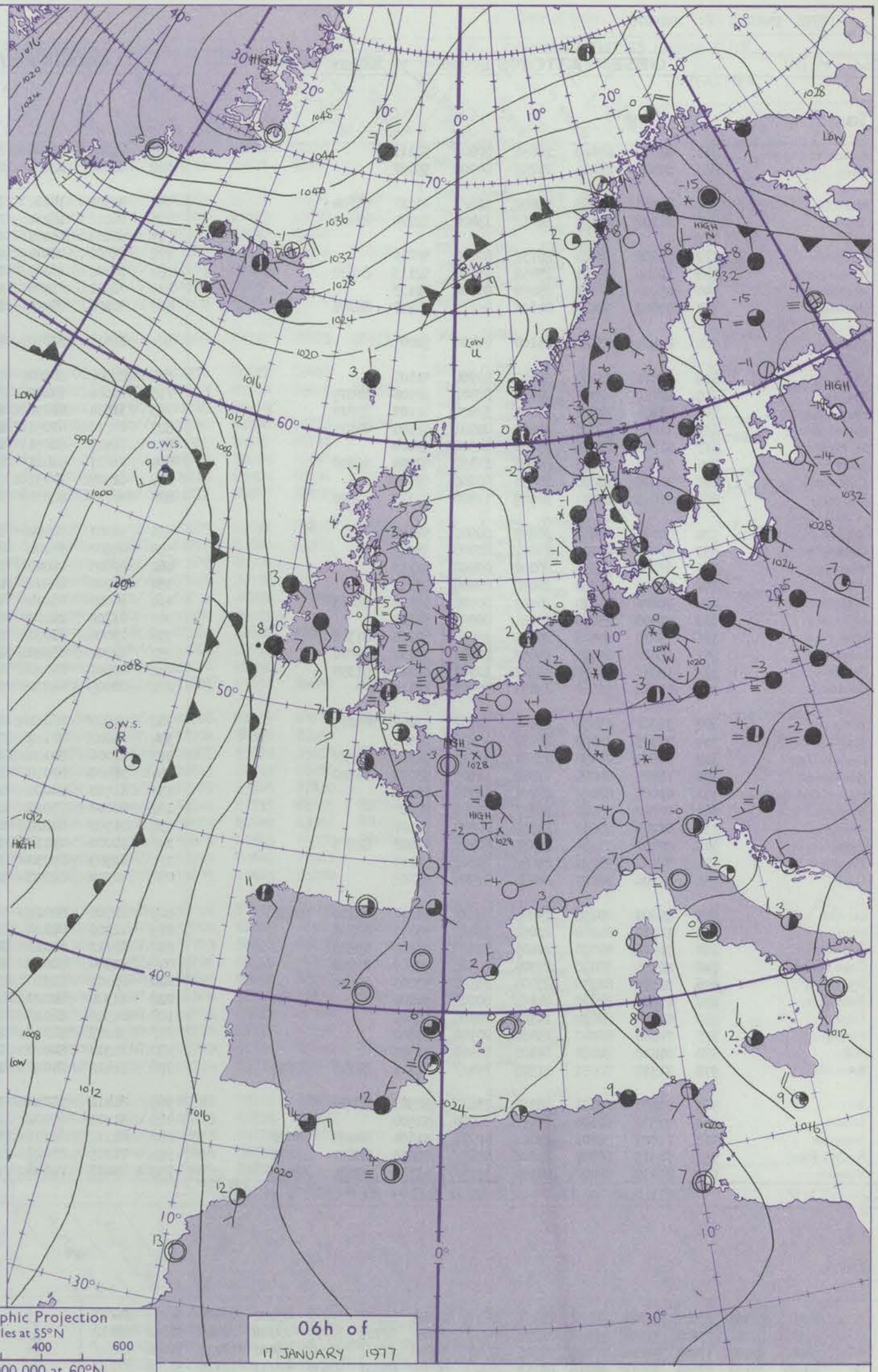
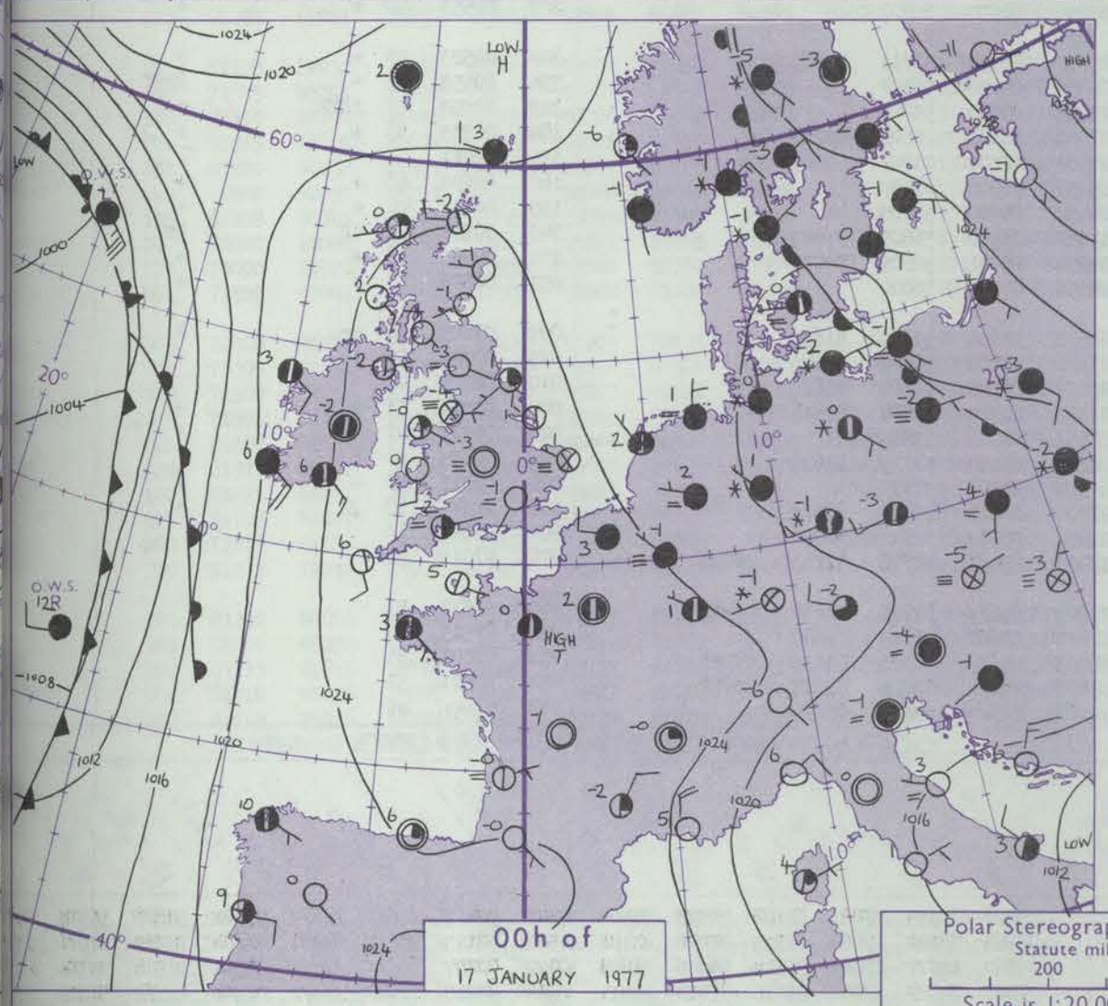
Genova







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 17 JANUARY 1977

During the past 24 hours the depression in the southern North Sea has moved east and filled. An anticyclone has developed over north Spain and France, with a ridge of high pressure northwards to Scotland. Frontal troughs just to the west of the British Isles have moved northeastwards, bringing a freshening southerly airstream across Ireland. During the next 24 hours the anticyclone over France will decline, and a milder southerly airstream will gradually spread east across to whole of the British Isles, with frontal troughs crossing Ireland, southwest England and west Wales.

Code FM 11.V

OBSERVATIONS at 00h. 17 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	00000	65020	26851	00900	52111			
Hurn	862	00000	09414	26754	00900	55107			
Manston	797	62906	56051	25602	662//	01217	86704		
Gatwick	776	11902	45101	26752	15400	52214	81615		
Kew	775								
Heathrow	772	02202	18101	26751	00900	52216			
Honington	586	12606	20101	25451	15600	52115	81630		
Wattisham	590	03108	20101	25250	00900	51113			
Gorleston	497	92803	00474	24601	9////	00219	89/00		
Aberporth	502	01809	83020	25100	00900	51001			
Filton	628	00904	25100	26652	00900	52109			
Rhoose	715	10702	62030	26552	00901	52206	81075		
Hartland Point	703	31410	74020	25803	32400	01103	83819		
Mount Batten	827	11006	62030	25600	00901	51400	81075		
St. Mawgan	817	01309	82020	25800	00900	51400			
Scilly	804	11610	82011	24606	11530	02708	81820		
Culdrose	809	00000	70020	25951	00900	52505			
Guernsey	894	11003	80021	26505	11500	01102	81820		
Elmdon	534	00000	06410	26653	00900	54110			
Cardington	559	02406	45100	26652	00900	53314			
Wittering	462	03107	56040	26000	00900	51113			
Watnall	354	02705	20040	26052	00900	53111			
Shawbury	414	10000	05410	26453	00901	53110	81075		
Finningley	360	02906	25040	25651	00900	52212			
Spurn Point	396	13010	60018	25301	10970	00213	81360		
Leeming	257	13002	65020	25852	00901	53212	81070		
Tynemouth	262	12811	61020	25201	10940	52210	81359		
Carlisle	222	01102	56100	25653	00900	54110			
Valley	302	31007	65030	25450	00902	53002	83075		
Ringway	334	02303	12400	26752	00900	53111			
Squires Gate	318	90905	01494	25754	9////	54109	89///		
Ronaldsway	204	10205	82020	24952	11501	53003	81820		
Mull of Galloway	131	01003	83020	25001	00900	01205			
Eskdalemuir	162	00000	75020	26657	00900	58107			
Prestwick	135	01206	58041	25354	00900	55107			
Abbotsinch	140	20702	11284	25553	00901	54008	82075		
Leuchars	171	02407	75020	25051	00900	54109			
Dyce	091	02706	82020	24451	00900	53109			
Lerwick	005	82909	80258	19803	894//	01214	81910	88630	
Wick	075	12710	82028	23052	18400	54207	81818		
Sule Skerry	010	32912	82030	22405	32500	03208	83820		
Cape Wrath	049	22705	80010	23304	22500	52209	82820		
Stornoway	026	32507	82030	23900	35500	53003	83620		
Benbecula	022	01604	82020	24151	00900	54801			
Tiree	100	01208	86020	24302	00900	51201			
Aldergrove	917	00804	50041	25052	00900	53802			
Malin	980	01410	84010	24100	00900	52500			
Belmullet	976	71310	72031	21503	754//	51711	82718	87638	
Birr	965	70000	75031	23952	756//	52503	87636		
Dublin	969	02502	62100	24651	00900	51500			
Shannon	962	71009	58101	23001	40972	51604	84459	85070	
Roches Point	952	71313	65031	23006	5567/	02810	85631	87461	
Valentia	953	81418	80022	20106	3552/	01710	83625	88458	

OBSERVATIONS at 06h. 17 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	01205	40100	26653	00900	53704			
862	00000	22104	26455	00900	56703			
797	32902	14101	26450	36200	50400	83703		
776	10000	16284	26855	00901	55201	81072		
775	00603	05484	26653	00900	53000			
772	91801	00474	26454	9////	54500	89///		
586	12702	10104	26153	00902	53001	81075		
590	02902	01484	26253	00900	54002			
497	92906	00454	26200	9////	00205	89/00		
502	31617	80030	23300	36201	51711	83703		
628	21007	30100	25855	00901	56707	82075		
715	10606	13100	25652	10931	52706	81362		
703	31514	66030	23702	32500	50709	83820		
827	41210	60051	23802	45600	01812	84630		
817	71412	62031	23102	25502	01714	82625	87075	
804	71617	82021	21507	4252/	04719	84820	87460	
809	61508	70031	23206	00902	02615	86070		
894	51710	82031	25805	51500	02807	85820		
534	90901	00494	26655	9////	55804	89///		
559	02502	35100	26655	00900	55801			
462	22805	24040	26353	00901	53801	82075		
354	10000	20040	26053	00901	53804	81078		
414	10000	05414	25957	00901	57807	81075		
360	01702	14100	25854	00900	55801			
396	13006	60020	25801	10970	00803	81360		
257	12202	65020	25854	00901	55705	81075		
262	02507	69020	26000	00900	53400			
222	00905	65020	24855	00900	55807			
302	51209	60031	23950	50970	53711	85365		
334	00602	22114	26255	00900	56807			
318	01006	34104	25255	00900	55706			
204	31409	82010	23803	21401	00608	82817		
131	11510	84020	23504	12500	01807	81825		
162	00000	75020	26259	00900	61607			
135	01502	68020	24454	00900	55805			
140	10000	15114	25057	15500	58805	81625		
171	22503	75030	24954	00901	56805	82075		
091	00302	82020	24955	00900	56000			
005	12508	82021	20601	15600	51103	81630		
075	12506	82020	23151	15600	54802	81640		
010	22712	81010	22005	25500	01504	82625		
049	21804	80020	22502	22500	01704	82820		
026	03201	82010	22551	00900	53810			
022	11306	82020	22200	15600	51713	81630		
100	01316	86020	22104	00900	01711			
917	31107	58011	22701	00902	50714	83075		
980	11310	84020	21801	00902	51711	81070		
976	81412	74022	17903	854//	00718	81718	88638	
965	81412	70032	19903	6567/	01724	86636	86462	
969	51103	65101	22001	55600	50715	85640		
962	81112	62101	18303	4567/	01725	84635	88458	
952	71315	65022	18507	754//	04828	83717	87637	
953	81417	70606	15308	856//	03626	88630		

OBSERVATIONS during NIGHT

iii	RRT_nT_hE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–0
746	00543	58	+	+
862	00553	59	ff	+
797	97523	56	+	+
776	00553	58	1f-f	1f-ff
775	00553	59	ff1fFF	FF1f1fF
772	00553	57	1fF	fFF
586	00553	59	f	ff
590	00543	60	f	ffFF
497				
502	00543	53	+	+
628	00553	59	+	+
715	00534	58	jf	jf
703	00011	51		
827	00511	54	+	+
817	00511	55	+	+
804	97041	00	+	1r.
809	00511	56	+	+
894	00031	53	+	+
534	00555	59	1ff	ffFF
559	00553	58	+	f
462	00543	56	+	+
354	00545	58	+	ff
414	00575	60	1fff	1fff
360	00555	58	+	1f
396			+	+
257	00553	58	+	+
262	00513	53	+	+
222	00553	60	+	+
302	00523	55	+	+
334	00553	59	+	1fFf
318	00553	57	fFFF	+
204	00533	55	+	+
131	00011			
162	00606	60	+	+
135	00543	57	+	+
140	00583	62	1f	1f
171	00555	58	+	+
091	00586	59	+	+
005	97003	55	pr.	+
075	00535	57	+	+
010	00020	01		
049	00014	51	+	+
026	00523	57	+	+
022	00535	58	+	+
100	00511	59	+	+
917	92545	58	jf	+
980	97513	56		
976	97011	52		
965	97531	57		
969	97515	58		
962	97001	51		
952	00501	51		
953	97051	03		

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	17001	82005	98028	95104	855//	00804	/////	/////	05201	10609	3//01	24/07
L	99570	70200	17004	81235	95636	02207	872//	21740	88705	/////	0//06	10985	31012	08010
M	99660	10020	17004	90820	97028	22305	9////	31808	/////	/////	05401	10723	30606	/////
R	99467	70170	17004	82612	96216	06211	853//	00509	85707	87630	0//11	11178	30708	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$
C	99527	70355	17061	72108	98028	93504	73400	00612	/////	/////	05302	10607	3//02
L	99568	70199	17064	62315	97016	02108	45418	00113	84711	84461	0//04	10999	30704
M	99660	10017	17064	80714	96636	21804	4742/	00707	/////	/////	05501	10706	30504
R	99467	70169	17064	23016	97020	14011	25600	00215	82640	/////	0//08	11172	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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue TUESDAY 18 JANUARY 1977

OBSERVATIONS at 12h. 17 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
Down	746	71007	32051	25001	25434	51711	82618	84365	87072
	862	61507	57051	24905	45532	01811	84625	85070	
	797	80000	45281	27001	00907	00803	88270		
	776	60802	08424	26550	30942	51809	83364	85072	
	775	70000	09414	26401	20918	00810	82467	86270	
	772	71002	08424	26400	10948	00810	81368	87270	
on	586	71702	14104	26600	16002	51803	81701	87072	
m	590	61702	09464	26500	36202	00806	83704	86078	
n	497	90000	00454	26851	9////	51203	89/00		
h	502	81513	65021	21003	1577/	00808	81650	86358	88462
	628	81208	48051	24002	1567/	00812	81635	88465	
	715	80810	40051	23401	4851/	52814	81820	83650	88460
Point	703	81609	65031	21205	12537	02813	81820	85360	88275
atten	827	81715	75031	21606	4842/	01811	84818	88462	
gan	817	81720	70602	20106	4842/	03714	83816	88460	
	804	81723	58636	17206	874//	05728	88710		
e	809	81615	57636	20605	3732/	04712	82707	83710	88458
y	894	71515	80022	24205	68478	02712	83812	85656	87275
	534	71404	15284	25750	10932	51809	81362	87075	
ton	559	60000	25104	26501	46402	50807	84710	86075	
ng	462	71802	32041	26301	00901	51804	87075		
	354	81902	07444	25850	860//	51804	88701		
ry	414	81303	08424	24850	66017	51807	82701	86702	88268
cy	360	71202	15104	25800	00908	51803	87275		
oint	396	60000	50011	26202	4567/	00802	84630	86360	
g	257	70000	62041	25851	15402	53803	81618	87070	
uth	262	72305	16051	26001	7097/	51802	87358		
	222	71105	62021	24650	15732	52804	81650	84365	86072
	302	81108	82032	22502	8097/	51809	81358	88360	
y	334	71505	45041	25202	5641/	53807	85711	87466	
Gate	318	81310	30101	24401	10937	50806	81362	88270	
sway	204	81213	64021	22604	3547/	01806	81713	83618	88466
Galloway	131	81520	60032	22803	885//	02701	83825	88630	
muir	162	70000	80031	25253	60974	54806	83362	85464	87074
ick	135	81108	58041	23800	15627	52804	81640	85462	88272
sinch	140	70000	10044	24954	15606	55801	81645	87272	
rs	171	70000	64021	25351	20932	53001	82362	87075	
	091	73502	58041	25154	11504	56400	81820	87070	
k	005	22406	86020	21903	28401	51205	82815		
	075	72005	62051	23602	12534	54400	81820	87072	
kerry	010	72308	82031	23005	22504	03203	82820	87075	
Wrath	049	71806	84021	22603	2857/	52400	81820	87460	
way	026	81808	82031	22004	5542/	51804	82618	84630	88460
cula	022	81313	80021	20904	6542/	02809	81617	85630	88460
	100	81421	66031	20905	6542/	03806	82710	83615	86628
grove	917	81108	62021	21304	2541/	00806	81715	88462	
	980	71319	82021	19804	48478	01809	81818	84645	85460
llet	976	71212	72032	15904	754//	01715	83718	86640	
	965	81110	64606	17504	6642/	03717	86712	88458	
n	969	81406	68022	20104	6642/	02812	81712	84716	88459
ion	962	81113	62616	15704	864//	03717	81710	83715	87627
es, Point	952	81318	40636	15706	4732/	04817	84707	88538	
tia	953	81118	75216	11707	6652/	03724	83720	86635	88458

OBSERVATIONS at 18h. 17 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
	746	81006	62022	22602	854//	00607	86614	88650	
	862	81311	62602	22005	855//	01711	86626	88650	
	797	81506	35052	25102	12437	01709	81815	83365	88270
	776	80806	24052	24101	5557/	01606	81625	85656	88462
	775	81005	50054	23903	3562/	01706	83640	88460	
	772	81306	50054	23903	5567/	01806	83645	83656	88362
	586	91006	02434	25251	9////	51603	89/01		
	590	91111	01434	25451	9////	51605	89///		
	497	91705	01434	26101	9////	00400	89/00		
	502	81311	59612	18403	6542/	02806	83710	86615	88457
	628	81308	50602	21103	5542/	01710	85617	88457	
	715	81116	57616	19903	5542/	02813	81710	85614	88556
	703	81015	56636	17501	873//	01715	88708		
	827	81216	57636	17803	852//	02720	84704	86712	88620
	817	81525	50697	14903	873//	02823	85707	88710	
	804	81523	48616	12207	854//	07718	86710	88617	
	809	81418	40616	15705	4722/	05618	83704	88530	84709
	894	81215	80026	20703	884//	01717	85815	88650	
	534	81305	30042	23301	4552/	50605	82622	83630	88462
	559	81106	25102	24401	25647	01705	82644	83365	88275
	462	81106	07462	24400	860//	00606	88700		
	354	80706	04464	23800	860//	00606	88700		
	414	80604	05704	21901	872//	00711	84703	88708	
	360	81303	04464	24050	860//	51805	88701		
	396	71508	50022	24502	4567/	00710	84630	87360	
	257	81905	28042	24051	864//	52805	88710		
	262	82305	15052	24402	8097/	50604	88358		
	222	81005	60022	22301	4562/	51605	81630	84640	88464
	302	81212	58636	20103	853//	01706	81709	83713	88645
	334	81308	50042	22803	8097/	51708	84359	88462	
	318	81210	28102	21701	6562/	00807	83635	85650	88459
	204	81214	58042	19604	1542/	02815	81713	88460	
	131	71515	58012	19603	785//	02709	83825	87630	
	162	83407	62032	22652	854//	53804	82715	83635	88656
	135	81012	58022	21201	1567/	52809	81640	83358	88460
	140	80000	14284	22252	1567/	53808	81645	84358	88460
	171	80000	56042	23352	2567/	53705	82640	88463	
	091	80000	28042	23652	50927	53705	85465	88270	
	005	32309	82011	22202	38400	51204	81815	83640	
	075	81807	75022	21701	15677	52704	81635	86460	88270
	010	81412	81022	21304	2257/	01703	82820	88458	
	049	71802	84012	20703	4257/	53706	84820	87460	
	026	81712	75032	19804	4562/	01609	84630	88459	
	022	81515	70218	18904	6547/	01604	81712	86630	88460
	100	71423	60036	18704	4547/	01708	84616	87360	
	917	71210	60042	18503	1647/	00710	81710	87359	
	980	71216	70022	17104	3547/	01709	81716	83650	87460
	976	61215	70012	12104	654//	02714	83717	85640	
	965	81215	80026	13404	7642/	03721	87711	88458	
	969	81314	60216	16905	864//	03715	86715	86625	
	962	81107	65606	11805	864//	03513	81711	87718	
	952	80923	40616	11206	874//	05618	88710		
	953	41027	82016	06607	38502	03808	81822		

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	01031	000	+	r.r.r.s.rs
862	01051	000	+	r.drd.r
797	00031	013	fFf	+
776	00031	006	fFff	+
775	00041	014	ff1f	+
772	00051	010	FFff	+
586	91023	020	f	fFFff
590	00023	008	iffF	FFff
497		000		
502	96041	000	ir.	ir.r.r.
628	01031	000	+	r.r.
715	02031	000	+	r.r.-r.s.r.s.
703	08052	000		
827	19071	000	r.R	rrRrsrsd
817	08062	000	rrsrs	rsrsd.r
804	19082	000	rr	rr
809	19072	000	rr	rrr.r.
894	01061	000	+	ir.ir.r.r.ir
534	91015	000	FFff	r.-r.s.
559	00023	002	+	+
462	00013	007	+	ff
354	91016	000	ff	ffs.
414	92025	000	ff	ffs.s.r.
360	00015	000	+	ff
396			+	+
257	00003	004	+	+
262	00033		+	+
222	00023	005	+	+
302	02031	000	+	ir.r.r.rrr.r.
334	97031	000	+	r.
318	97021	000	+	r.s.
204	00041	000	+	+
131	00051			
162	00516	000	+	+
135	00013	000	+	+
140	00003	000	if	if
171	00515	003	+	+
091	00016	022	+	+
005	00053	040	+	+
075	00035	022	+	+
010	00050			
049	00031	000	+	+
026	00051	000	+	+
022	97055	000	pr.	ir.
100	91051	000	ir.	ir.
917	00045	000	+	+
980	9705	000		
976	0006	016		
965	9405	000		
969	9705	000		
962	0305	000		
952	0808	000		
953	0608	012		

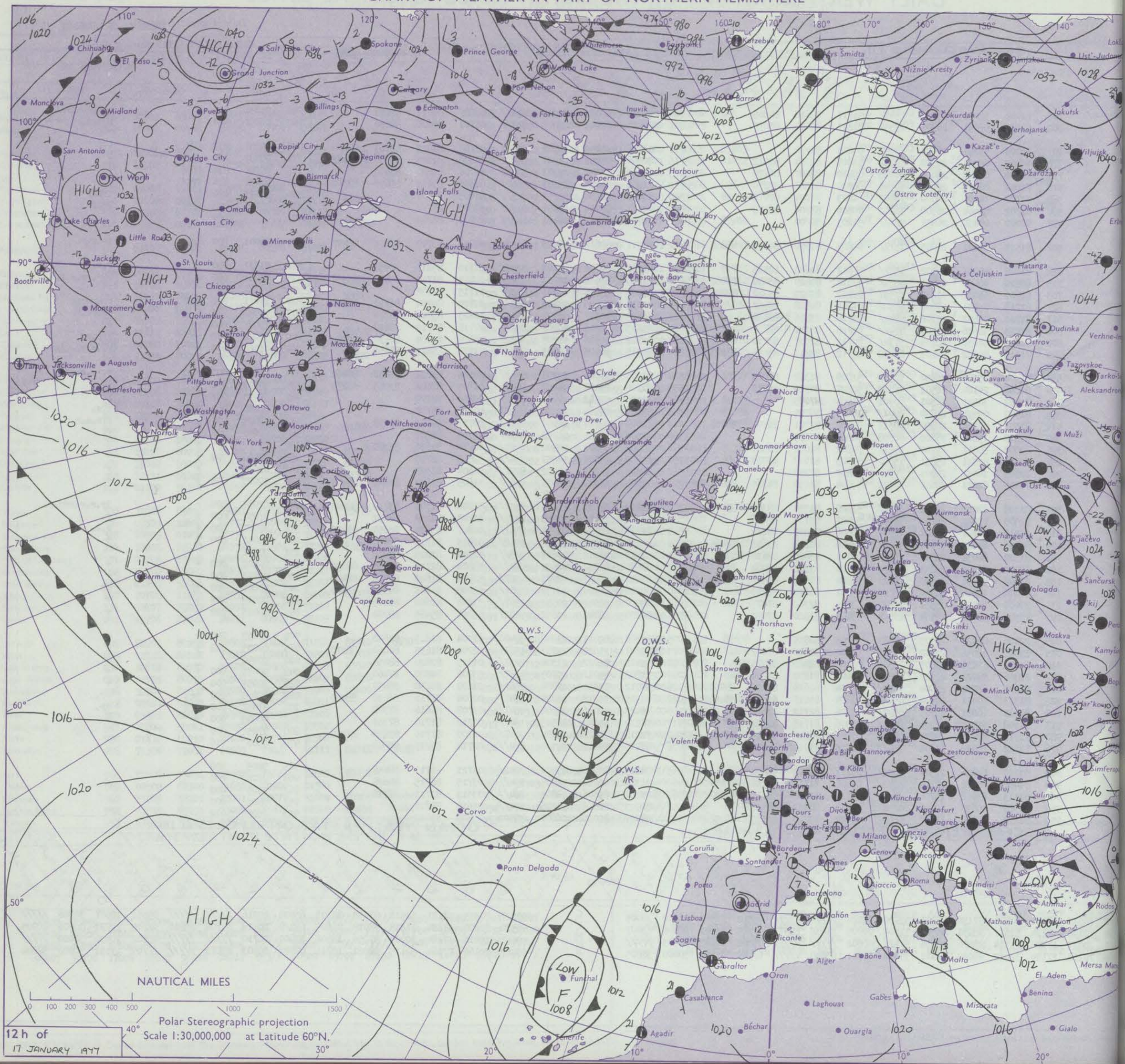
OCEAN WEATHER STATION REPORTS at 12h.

	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$ITwTwTwTT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	17121	52706	97158	95503	53400	00224	/////	/////	05501	10593	30302	24005
	99569	70198	17124	51612	98031	04509	11401	00005	81818	84077	0//04	11001	30806	13007
	99661	10017	17124	81514	97606	20804	5742/	00602	/////	/////	05402	10643	30503	/////
	99466	70168	17124	32412	98030	12411	35601	00211	83640	/////	0//09	11142	30000	32805

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	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$ITwTwTwTT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	17181	62512	97158	98303	63400	00016	/////	/////	05551	10607	30906	/////
L	99570	70200	17184	71318	98018	01609	683/8	00819	81708	83816	0//05	10991	30806	20905
M	99661	10016	17184	30000	97256	18804	39400	00710	/////	/////	05502	10630	30000	/////
R	99467	70166	17184	52115	98021	10711	00902	00603	85073	/////	0//09	11151	30000	32804

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


HIGH
LOW
Chihuahua
El Paso
Salt Lake City
Spokane
Prince George
Whitehorse
Fairbanks
Kotzebue
Mys Šmidta
Nižnie Kresty
Zyrianka
Omjakon
Ust'-Judoma
Monclova
Midland
Grand Junction
Calgary
Watson Lake
Fort Nelson
Barrow
Čokurdah
Verhojansk
Jakutsk
San Antonio
Dodge City
Rapid City
Billings
Regina
Edmonton
Fort Simpson
Inuvik
Kazač'e
Viljujsk
Fort Worth
Bismarck
Coppermine
Sachs Harbour
Ostrov Žohova
Ostrov Kotel'nyj
Džardžan
Lake Charles
Kansas City
Omaha
Island Falls
Mould Bay
Olenek
Little Rock
Minneapolis
Winnipeg
Cambridge Bay
Jackson
St. Louis
Churchill
Baker Lake
Resolute Bay
Mys Čeljuskin
Hatanga
Boothville
Chesterfield
Chicago
Nashville
Nakina
Winisk
Arctic Bay
Eureka
Montgomery
Columbus
Coral Harbour
Alert
Oudinka
Tampa
Jacksonville
Augusta
Detroit
Maconnée
Nottingham Island
Tazovskoe
Charleston
Pittsburgh
Toronto
Port Harrison
Clyde
Russkaja Gavan'
Frobisher
Nord
Ottawa
Cape Dyer
Mare-Sale
Washington
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Fort Chimo
Resolution
Norfolk
New York
Nitchequon
Barencburg
Muži
Danmarkshavn
Topen
Daneborg
Bjornoya
Caribou
Arnicesti
Kap Tobin
Jan Mayen
Murmansk
Stephenville
Gander
Sable Island
Bermuda
Cape Race
Tromsø
Lulea
Ostersund
Oslo
Stockholm
Helsinki
Moskva
Minsk
Smolensk
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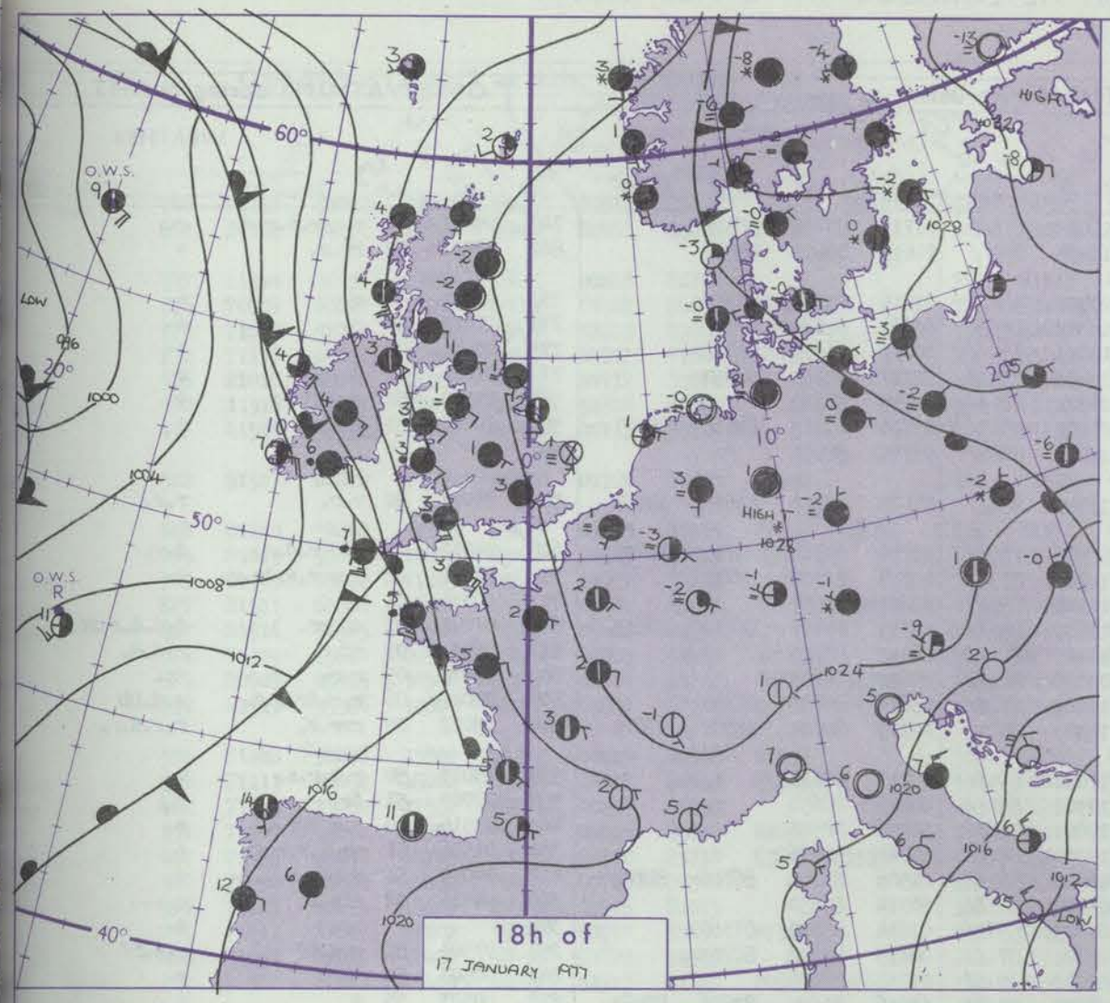
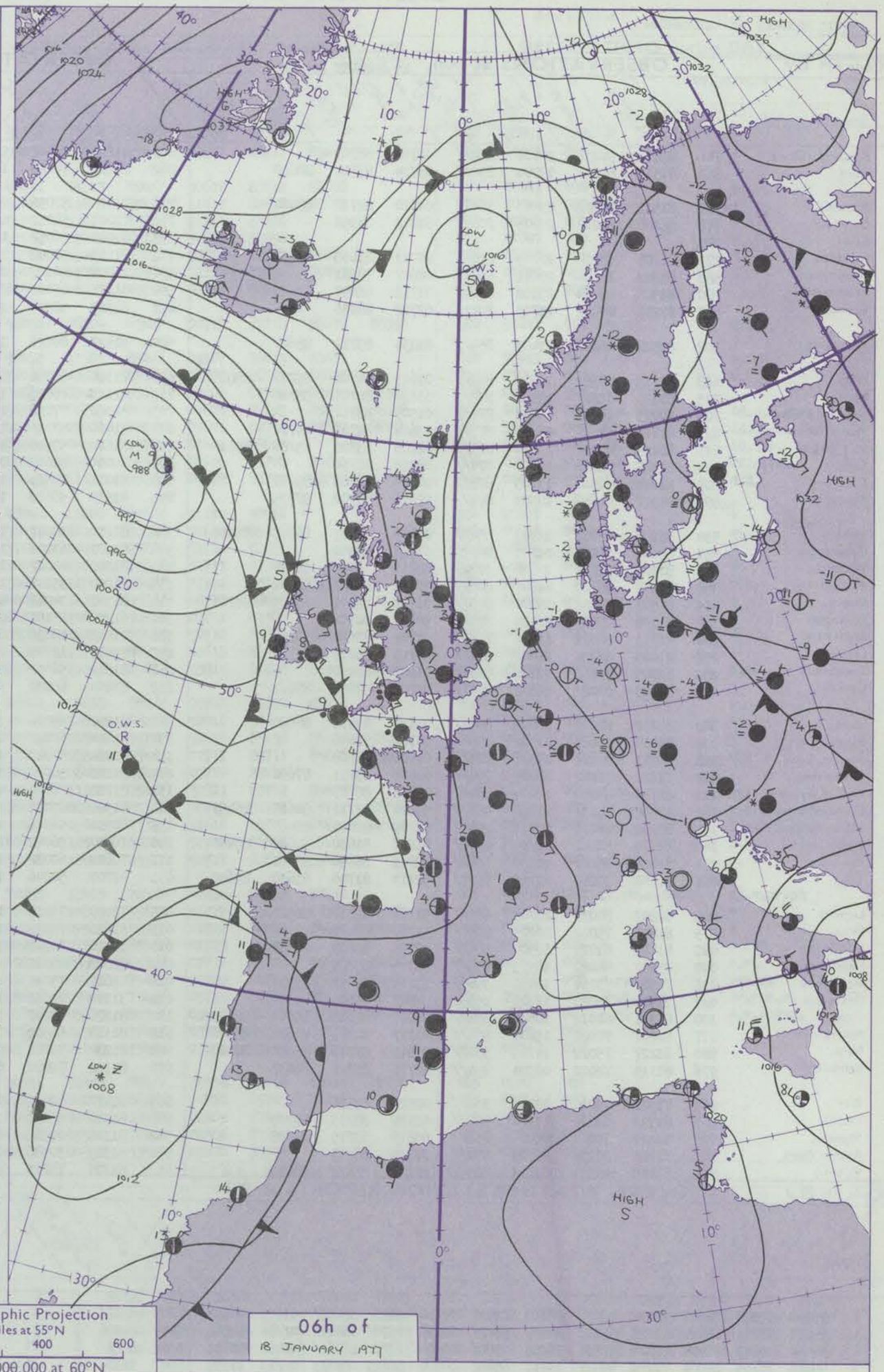
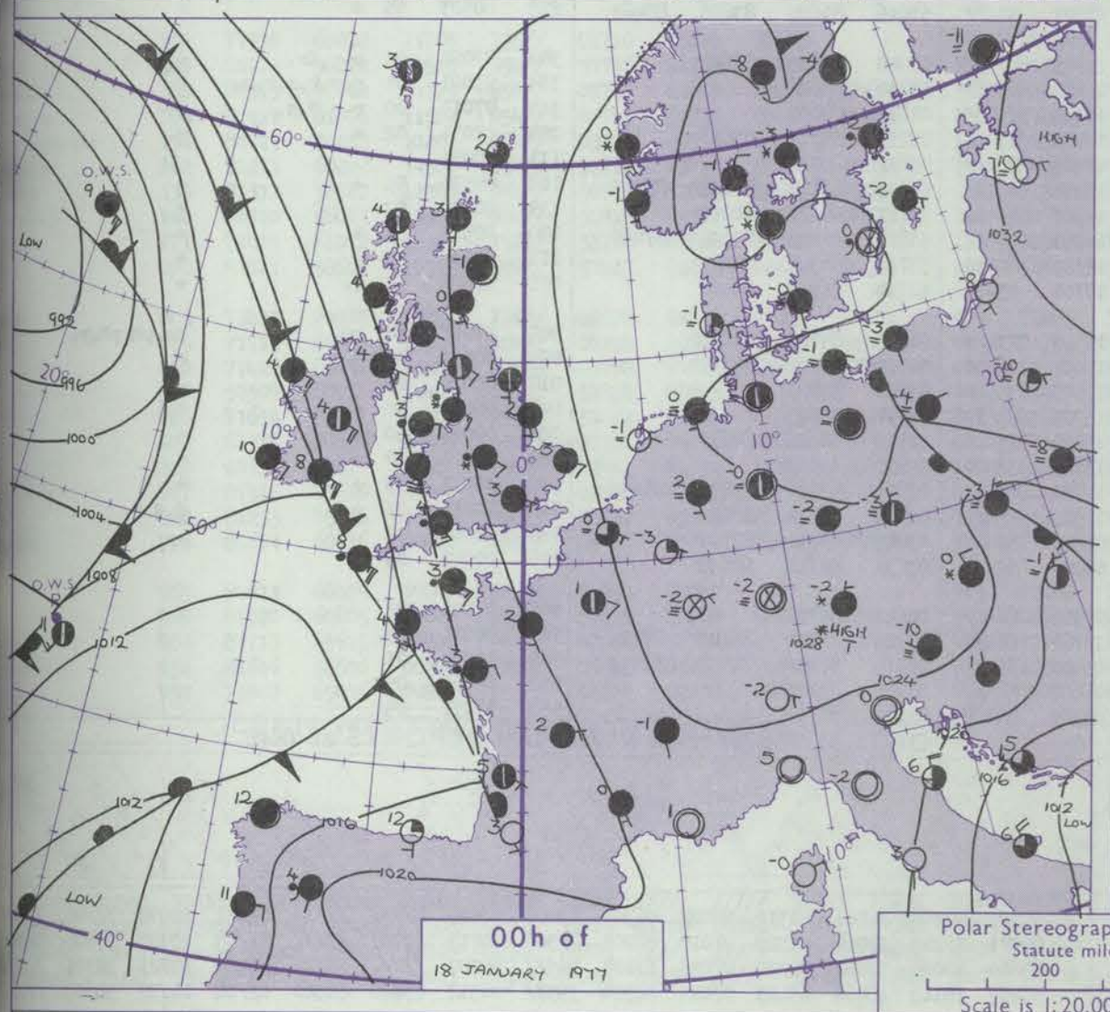
Paris
Tours
Dijon
Bern
München
Klagenfurt
Zagreb
Milano
Venezia
Genova
Ancona
Roma
Bordeaux
Nantes
Santander
La Coruña
Porto
Lisboa
Madrid
Barcelona
Mahón
Sagres
Alicante
Gibraltor
Oran
Alger
Bone
Tunis
Malta
Casablanca
Laghouat
Gabes
Misurata
Agadir
Béchar
Ouargla
Gialo
Funchal
Tenerife
Corvo
Lajes
Ponta Delgada
Thorshavn
Lerwick
Stornoway
Glasgow
Belmullet
Belfast
Holyhead
Manchester
Aberporth
London
Valentia
Cherbourg
Brest
Goodthab
Frederikshab
Aputiteq
Angmagssalik
Prins Christian Sund
Reykjavik
Godthavn
Narssuaq
Ivigtut
Faratangi
Sisimiut
Aasiaat
Jakobshavn
Egedesminde
Upernavik
Umanak
Thule
Sachsen
Czestochowa
Odessa
Simferopol
Fatu Mare
Sulina
Bucuresti
Sofia
Istanbul
Rodos
Atumai
Mathoni
Brindisi
Mersa Matruh
El Adem
Benina
Gialo
Ust'-Cil'ma
Sančursk
Vologda
Kirov
Kostroma
Kazan'
Kirovskij
Penza
Kamyšin
Volgograd
Saratov
Engels
Orsk
Ufa
Perm'
Sverdlovsk
Tjumen'
Tobolsk
Surgut
Berezovo
Salehard
Dudinka
Verhne-Imbatsk
Aleksandrovsk
Muži
Ust'-Cilma
Kebeky
Karpogory
Archangel'sk
Onega
Petrozavodsk
Kem'
Kandalaksa
Murmansk
Kolguev
Indiga
Amderma
Dikson
Ostrov Uedineniya
Ostrov Vize
Ostrov Golomjanyj
Ostrov Kotel'nyj
Ostrov Žohova
Ostrov Bennett
Ostrov Kotel'nyj
Ostrov Vrangelja
Ostrov Ajon
Ostrov Kotel'nyj
Ostrov Kotel'nyj
Ostrov Kotel'nyj

CHARTS OF WEATHER IN WESTERN EUROPE







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

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday TUESDAY 18 JANUARY 1977

During the past 24 hours pressure was low to the west and high to the east of the British Isles. Weak, slow moving frontal troughs moved into Ireland and extreme southwest England during the period. During the next 24 hours the frontal troughs are expected to continue moving eastwards slowly, crossing much of Britain by the end of the period.

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

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

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	81213	57237	20101	872//	01716	88703		
Hurn	862	81511	62616	19904	854//	03714	85714	88620	
Manston	797	81512	60022	23503	2642/	01710	82710	88460	
Gatwick	776	81206	60212	21903	8097/	51812	88359		
Kew	775								
Heathrow	772	81105	59216	22003	856//	00713	83635	88657	
Honington	586	81203	16104	23601	8097/	00607	88361		
Wattisham	590	81508	48054	23302	8092/	01712	88459		
Gorleston	497	81208	60022	23803	8072/	02717	88456		
Aberporth	502	81528	66216	13403	854//	01834	83712	88640	
Filton	628	81115	50586	19302	853//	01613	84706	85708	88615
Rhoose	715	81114	65027	18302	873//	01614	86706	88708	
Hartland Point	703	80915	66022	13803	874//	01509	88710		
Mount Batten	827	81418	57617	15804	873//	03616	84707	88710	
St. Mawgan	817	81428	61027	13204	863//	02705	83706	85707	88710
Scilly	804	81325	48616	10308	874//	08702	88710		
Culdrose	809	81114	56516	13705	873//	04809	86706	88710	
Guernsey	894	81317	40616	18303	871//	02811	84702	87705	
Elmdon	534	81208	12687	21301	6522/	00815	81703	86645	88460
Cardington	559	80909	30212	22501	8097/	01813	88360		
Wittering	462	81207	13717	22800	3722/	00711	83703	88556	
Watnall	354	81107	06714	22000	860//	50712	86700	88702	
Shawbury	414	81307	14687	19901	870//	01713	81701	85703	88706
Finningley	360	81506	09717	22400	871//	50711	88702		
Spurn Point	396	81711	50022	23502	7567/	01709	87630	88360	
Leeming	257	81405	07704	22400	872//	51710	88703		
Tynemouth	262	82005	39052	23200	8091/	51604	88458		
Carlisle	222	71208	60022	20501	2557/	51709	82627	87462	
Valley	302	81010	62606	17003	854//	01819	83618	88640	
Ringway	334	81410	35686	21302	856//	00710	88640		
Squires Gate	318	81213	30687	19701	873//	01613	88708		
Ronaldsway	204	71221	58042	17404	754//	02814	83711	87656	
Mull of Galloway	131	81720	60022	16904	864//	03718	88715		
Eskdalemuir	162	63504	65031	21152	4547/	54610	83712	84625	86459
Prestwick	135	81202	60022	19201	2557/	51709	82620	88462	
Abbotsinch	140	80705	50042	19900	4562/	51811	81630	84650	88460
Leuchars	171	81405	56042	21000	6572/	52713	86650	88462	
Dyce	091	80000	30242	21751	6537/	52713	81706	83610	85650
Lerwick	005	62207	80031	21702	684//	51708	82818	86645	
Wick	075	81807	75022	20203	8097/	51709	88460		
Sule Skerry	010	81405	81021	19504	5552/	02708	85625	88458	
Cape Wrath	049	81802	84022	18503	855//	52715	88625		
Stornoway	026	71507	75031	18004	3567/	51711	83630	85359	
Benbecula	022	31314	75021	17203	15532	51809	81625		
Tiree	100	81321	62012	16804	5542/	00709	82618	85643	88459
Aldergrove	917	81007	70022	15604	854//	01719	82713	85622	88646
Malin	980	81227	75022	14105	5547/	01615	81716	85648	87460
Belmullet	976	81115	72022	09304	854//	02715	83717	88638	
Birr	965	71322	75016	09904	764//	02823	87716		
Dublin	969	81321	62616	13904	864//	02719	83711	87715	
Shannon	962	81220	70206	08405	854//	03618	83715	87628	
Roches Point	952	81225	50216	08208	872//	07815	88703		
Valentia	953	81008	82021	05710	885//	07202	85822	88635	

OBSERVATIONS at 06h. 18 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	81211	57107	16602	873//	01715	86706	88711	
862	81212	70026	16404	855//	01615	86620	88634	
797	71414	57056	20303	3647/	01616	83710	87360	
776	71008	58012	18302	755//	00721	82627	87657	
775	81007	56052	18603	855//	00717	81625	88640	
772	81107	57052	18602	855//	01717	81625	88650	
586	71006	40102	20301	7093/	00718	87362		
590	81211	45102	20102	5647/	01720	83713	83618	88459
497	81313	58022	21603	8082/	01715	88457		
502	81527	60026	11303	854//	01808	83712	83635	88657
628	71314	58056	15502	752//	01716	82705	85711	87625
715	81111	70026	14703	873//	01718	83708	88710	
703	81012	77022	12104	857//	02804	88650		
827	81414	57516	12605	853//	05715	84707	86710	88615
817	81622	50506	10405	872//	04813	88705		
804	80000	30606	09309	872//	09603	88703		
809	81011	40515	11005	872//	05614	86703	88706	
894	81519	57616	14303	852//	02715	82704	84707	87615
534	81210	50047	17601	854//	50719	88619		
559	81107	63021	19301	857//	00615	88650		
462	81209	40047	19601	856//	50716	88645		
354	81208	35107	19001	857//	50711	88656		
414	81308	34047	16802	862//	01508	81704	86706	88708
360	61208	25107	19500	657//	50714	86650		
396	71412	68036	21003	5567/	01614	85630	87360	
257	81411	12707	19301	871//	00715	83702	88703	
262	81612	56052	20002	8091/	01718	88458		
222	81404	60032	17501	3557/	51616	81624	83656	88462
302	81207	65026	13903	854//	01808	82618	88645	
334	81414	57027	17702	855//	51711	88626		
318	81214	57047	16402	856//	01715	88635		
204	81223	56042	14403	854//	02713	85711	88617	
131	81728	70022	12803	864//	03722	88715		
162	81503	65022	18050	4542/	52614	82710	84638	88460
135	60911	56041	15801	45504	51717	84620	84070	
140	70607	56042	16850	5552/	51817	81622	85628	87460
171	70602	60032	18752	60932	53711	86360	87075	
091	61707	50046	18701	15411	51714	81618	86462	
005	72009	75278	19503	734//	01814	83918	87645	
075	51616	75012	17404	16430	00716	81712	85359	
010	31420	74011	16505	35500	03721	83625		
049	81802	80022	15903	855//	52714	88625		
026	41612	75011	15004	25601	52716	82630	84070	
022	31319	72031	13603	35400	50820	83618		
100	81226	60042	12704	6542/	02824	83618	85633	88459
917	81111	60502	12503	853//	01716	85709	88612	
980	81234	70022	08805	864//	01838	83716	87718	
976	81312	72022	04005	854//	03731	82718	88638	
965	81417	62022	07106	864//	04812	88710		
969	81317	50616	10704	861//	03714	82702	85703	87704
962	81216	62505	05407	863//	06718	82706	84708	86712
952	81315	30586	06608	861//	08708	88702		
953	81709	75025	05209	864//	08601	88713		

OBSERVATIONS during NIGHT

iii	RRT_nT_hE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–0
746	94011	00	r.s.r.s.r.d.	r.
862	02031	02	rr.r.	+
797	97021	00	r.	+
776	97021	50	r.	+
775	00021	00	+	+
772	97021	01	d.-r.	+
586	91503	52	f	+
590	CCC03	51	f	+
497				
502	91021	50	r.r.	r.r.
628	94011	01	r.d.r.d.r.	d.r.
715	97021	02	r.s.r.s.ir.r.	+
703	00031	01		
827	07041	01	ddrrr.	d.d.d.r.rr.
817	96031	03	rd.	r.d.d.
804	03072	05	r.r.	ir.
809	02042	06	r.r.ir.d.d.	d.d.DD
894	05022	02	rrr.r.	r.r.d.r.
534	95013	50	r.s.r.s.	r.
559	97003	51	ir.	+
462	93516	50	s.s.ffr.s.	+
354	01506	51	ss.s.r.s.ff	+
414	94015	51	r.r.s.r.s.s.	+
360	94516	52	ffs.s.	s.s.
396			ir.	+
257	97503	51	s.s.ff	s.s.ff
262	00503	52	+	+
222	00503	55	+	+
302	93021	01	r.r.ir.	+
334	93021	01	r.r.r.s.r.s.	+
318	97013	00	r.s.r.s.	+
204	97031	02	+	r.
131	00031			
162	00536	55	+	+
135	00503	52	+	+
140	00513	53	+	+
171	00535	55	+	+
091	97526	54	r.	+
005	97013	54	pr.	pr.ph.ph.r.
075	00035	00	+	+
010	00030	02		
049	00031	00	+	+
026	00021	50	+	+
022	00021	50	+	+
100	00031	03	+	+
917	92031	01	+	d.d.r.
980	00041	01		
976	00041	03		
965	97041	02		
969	96041	03		
962	91041	03		
952	05061	05		
953	97071	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	18001	23012	98258	04703	22500	00236	/////	/////	05501	10593	3//05	/////
L	99571	70201	18004	81225	97216	94909	5732/	00836	85708	88457	0//06	10960	30806	20906
M	99660	10023	18004	82314	97021	18205	4557/	00400	/////	/////	05402	10731	30302	/////.
R	99466	70165	18004	72216	98031	10711	65402	00302	86613	86073	0//10	11155	30602	32804

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_$
C	99527	70355	18061	62310	98028	06304	63400	00500	/////	/////	05451	10590	3//04
L	99571	70203	18064	21323	97016	89208	26300	00719	82709	/////	0//03	10989	30808
M	99660	10025	18064	82310	97028	17105	895//	00707	/////	/////	05401	10721	30301
R	99465	70163	18064	83123	97021	12510	3557/	00313	83620	86360	0//08	11139	30603

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue WEDNESDAY 19 JANUARY 1977

OBSERVATIONS at 12h. 18 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
be Down	746	81112	58052	14703	854//	01813	83616	85622	88650
	862	81111	64022	14505	854//	02811	85618	88630	
	797	11214	56051	18004	16431	00816	81712		
	776	70809	60022	16203	6583/	01817	86657	87360	
	775	71008	57052	16604	756//	51815	83645	87656	
ow	772	71110	60022	16504	756//	00817	81645	87656	
gton	586	21010	50051	18103	00901	50717	82072		
ham	590	11316	59021	18404	10930	51814	81364		
ton	497	41516	580[illegible]	19603	42500	00713	84825		
rth	502	81523	64022	10304	5637/	01704	85708	88459	
	628	81220	59052	14103	854//	01813	81713	87625	88650
	715	81013	50052	13403	854//	02807	83611	88622	
d Point	703	81005	70022	11505	856//	03002	88630		
Batten	827	81511	62606	11506	853//	05707	83709	85712	88623
wgan	817	81516	56505	10506	872//	05602	88703		
	804	70000	65016	09909	784//	08003	82815	87623	
se	809	80909	25515	10506	871//	06703	83702	84704	88708
ey	894	81519	35586	12604	870//	03810	82701	85702	87703
	534	71208	50046	15702	753//	00815	85708	87650	
gton	559	81111	56052	18002	856//	01508	82630	88645	
ing	462	71311	33052	17502	657/1	00717	86650		
ll	354	71209	45052	16701	753//	00816	86706	87650	
ury	414	71412	40042	14703	5843/	01710	83710	83818	85358
gley	360	71411	48042	17202	7093/	00720	87359		
Point	396	11421	40011	18604	00901	02816	81075		
ng	257	71412	27047	17202	3577/	00717	83650	87360	
outh	262	41623	61021	17404	40930	01822	84359		
e	222	71510	62012	15103	6557/	51713	81620	84640	86650
	302	71518	68032	11705	755//	01710	83621	87656	
ay	334	81415	58022	15503	854//	51715	81712	88650	
s Gate	318	81313	57042	14303	854//	01712	83615	85630	88650
sway	204	81421	61606	11504	854//	02713	83712	85616	88622
f Galloway	131	81725	70022	10204	864//	03712	88715		
emuir	162	81211	60222	14501	854//	52716	83710	85626	88635
wick	135	81313	58042	12203	854//	50718	82613	86615	88650
tsinch	140	80910	56042	13302	854//	51815	81712	84616	88622
ars	171	71415	61012	16103	7577/	51714	87656	87462	
	091	81611	58608	16303	6847/	50819	82818	86628	87362
ck	005	71815	70278	17804	784//	02809	81812	87650	
	075	71715	65051	15504	32432	00714	83816	83360	86072
kerry	010	71427	81031	14405	12578	03708	81820	83360	87275
Wrath	049	50509	80031	11403	35530	51831	83625	85360	
oway	026	71614	75031	11004	25672	51822	81630	85359	87070
icula	022	81318	70606	09003	854//	00726	85616	88626	
	100	81334	50616	07604	7542/	03831	81712	87617	88458
grove	917	81315	63616	08704	7732/	02818	81707	85708	87710
	980	81235	75616	05104	3647/	02731	83713	88460	
llet	976	81614	60616	00606	6642/	05715	83710	83716	88458
	965	81413	66025	05007	863//	06811	88709		
n	969	81520	60605	08005	863//	03716	82706	86708	88711
on	962	81713	65615	03908	863//	07605	82708	85715	86625
es Point	952	81616	58606	06209	6722/	08603	86704	88550	
tia	953	71808	65016	04809	783//	08107	81708	86630	

OBSERVATIONS at 18h. 18 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
	746	81309	57052	12403	864//	01705	88712		
	862	81006	59032	12004	854//	02811	83712	85615	88624
	797	81213	40051	14703	884//	50612	83812	88656	
	776	81208	58052	13403	857//	51612	82650	88657	
	775	81009	56052	13603	857//	51711	88656		
	772	81109	57052	13603	857//	50712	88656		
	586	71008	35051	15101	20932	50610	82362	87072	
	590	41111	45050	15101	10932	51713	81362	84075	
	497	41117	60021	16003	45500	00717	84625		
	502	81625	58056	06504	6547/	02719	82710	86635	88358
	628	81312	59052	11503	854//	01707	86615	88630	
	715	81112	56056	10904	853//	02807	86709	88613	
	703	71618	70022	08405	5537/	04608	82706	85635	87360
	827	81106	56506	09705	853//	04805	82707	85708	88618
	817	81515	40505	09006	870//	05601	82701	85702	88704
	804	62310	65205	09208	65500	07401	86625		
	809	81302	10285	09507	853//	07101	84708	88620	
	894	81410	35515	11104	870//	04803	84701	88703	
	534	81206	45042	12802	857//	51710	88656		
	559	81012	56052	14102	858//	01611	88656		
	462	71210	37042	14402	757//	51710	87650		
	354	71110	40052	13602	756//	51713	87645		
	414	81207	30042	11802	864//	01712	83712	88714	
	360	81310	40042	14101	857//	00714	88656		
	396	31324	62030	15603	30970	00712	83360		
	257	81412	25042	14102	854//	50712	81712	88650	
	262	81725	61021	13903	8097/	51618	88358		
	222	81513	60032	11203	2567/	53815	81632	85359	88462
	302	81518	60602	07605	854//	02718	85614	88624	
	334	81312	56042	12602	857//	52810	88650		
	318	81417	50042	10503	5577/	51819	85656	85360	88465
	204	81421	50606	07804	854//	02717	83711	85626	88650
	131	81728	60606	06404	874//	03719	88710		
	162	81310	40707	11301	854//	52811	83712	88625	
	135	81316	56685	08902	853//	50719	81708	85712	88616
	140	80914	30697	09902	7532/	51616	82709	85620	87640
	171	81312	60027	12503	6572/	51717	86656	88462	
	091	81616	58056	12804	2557/	52717	82625	88460	
	005	72008	70258	15403	784//	02610	83812	87619	
	075	81722	68052	10805	55637	51717	85645	87360	88270
	010	80934	66022	09505	5852/	04722	84820	85625	88458
	049	81409	80032	07503	855//	01723	88625		
	026	81209	60616	06503	853//	02719	83709	85616	88640
	022	81324	56636	04203	7542/	02720	84712	86616	88530
	100	81437	58616	03904	7542/	03713	82710	87615	88540
	917	81416	50636	05005	863//	03607	84708	85710	88714
	980	81422	62616	02504	3742/	03706	83712	88522	
	976	72004	68218	01105	754//	03201	83715	87638	
	965	72008	70216	04106	784//	05306	82716	83820	87636
	969	81612	62616	04205	862//	04814	85705	88710	
	962	12210	70016	04005	18500	02105	81820		
	952	12308	70018	05506	19400	04306	81915		
	953	52411	82038	04807	53500	02400	85924		

OBSERVATIONS during DAY

	iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
	746	00041	000	+	+
	862	00051	000	+	+
	797	00041	056	+	+
	776	00041	000	+	+
	775	00041	000	+	+
	772	00041	000	+	+
	586	00043	054	+	+
	590	00043	055	+	+
	497		000		
	502	91041	004	+	ir.id.
	628	97041	000	+	r.
	715	91041	000	+	r.
	703	00050	000		
	827	96061	000	r.d.ir.	id.d.d.d.r.
	817	96071	000	id.	id.d.r.
	804	95102	005	id.	id.d.r.
	809	02072	000	d.d.	ffir.id.
	894	01051	000	d.r.d.d.	d.d.
	534	00021	000	+	+
	559	00031	000	+	+
	462	00031	000	+	+
	354	00025	000	+	+
	414	97035	000	+	r.s.
	360	00031	001	+	+
	396			+	+
	257	00033	000	+	+
	262	00041		+	+
	222	97035	000	+	s.is.
	302	96051	000	+	r.r.
	334	00031	000	+	+
	318	00031	000	+	+
	204	03051	000	ir.	rrR
	131	01041			
	162	97011	000	s.is.	is.
	135	02031	000	id.d.d.	r.s.r.s.rsrs
	140	01037	000	r.s.	r.s.d.d.rsss
	171	97035	000	+	r.s.
	091	97046	000	pr.r.	r.
	005	05052	000	pr.pr.s.ph.	ph.r.pr.ph
	075	00053	003	+	+
	010	00050		+	+
	049	00041	004	+	+
	026	01041	000	r.	r.r.
	022	05041	000	r.r.	rrr.r.
	100	06051	000	ir.r.r.rr	ir.rrr.r.
	917	09052	000	r.r.	r.r.rrRrr.
	980	0405	000		
	976	0508	012		
	965	0808	000		
	969	0306	000		
	962	0508	005		
	952	0309	003		
	953	0410	019		

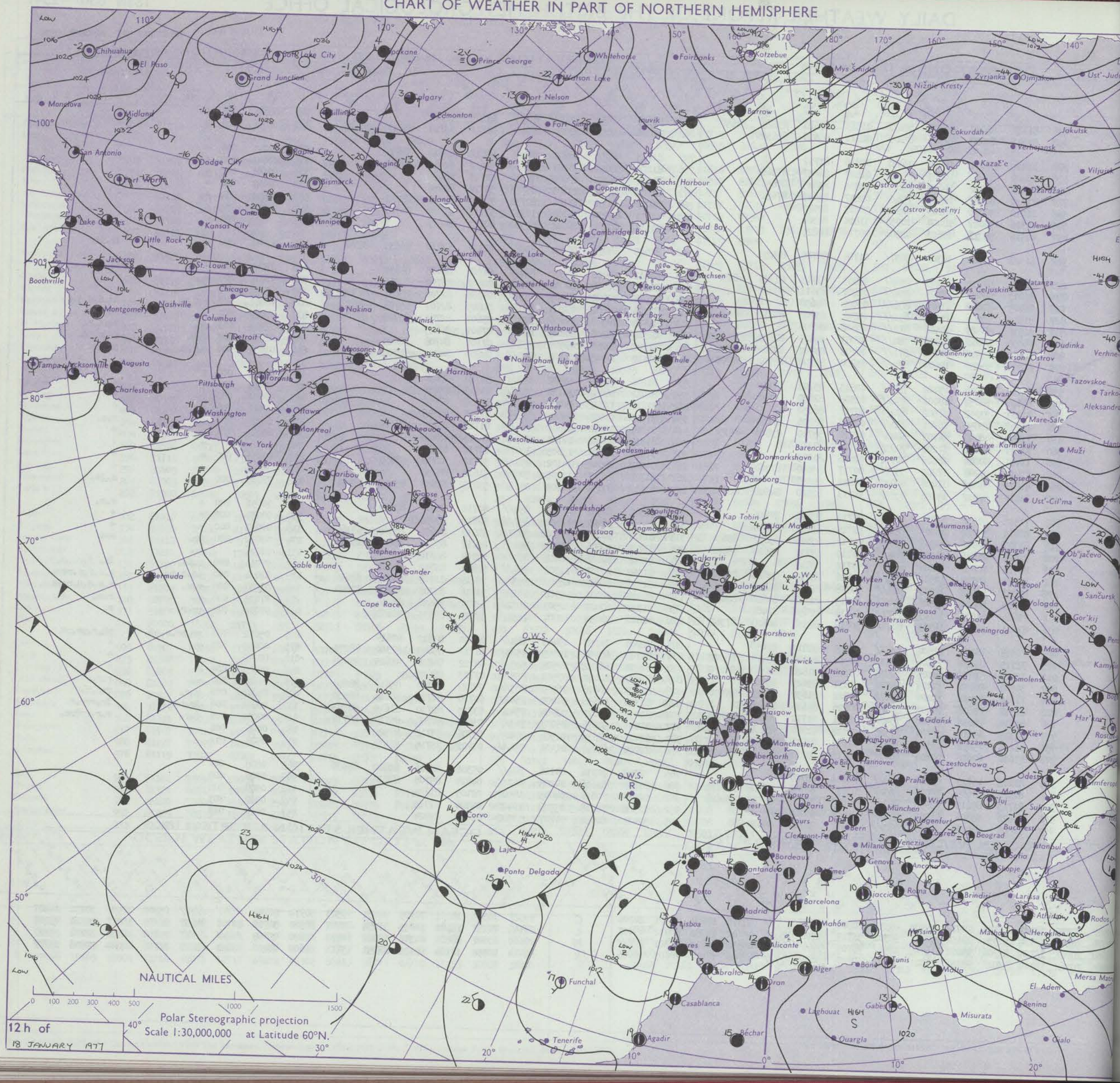
OCEAN WEATHER STATION REPORTS at 12h.

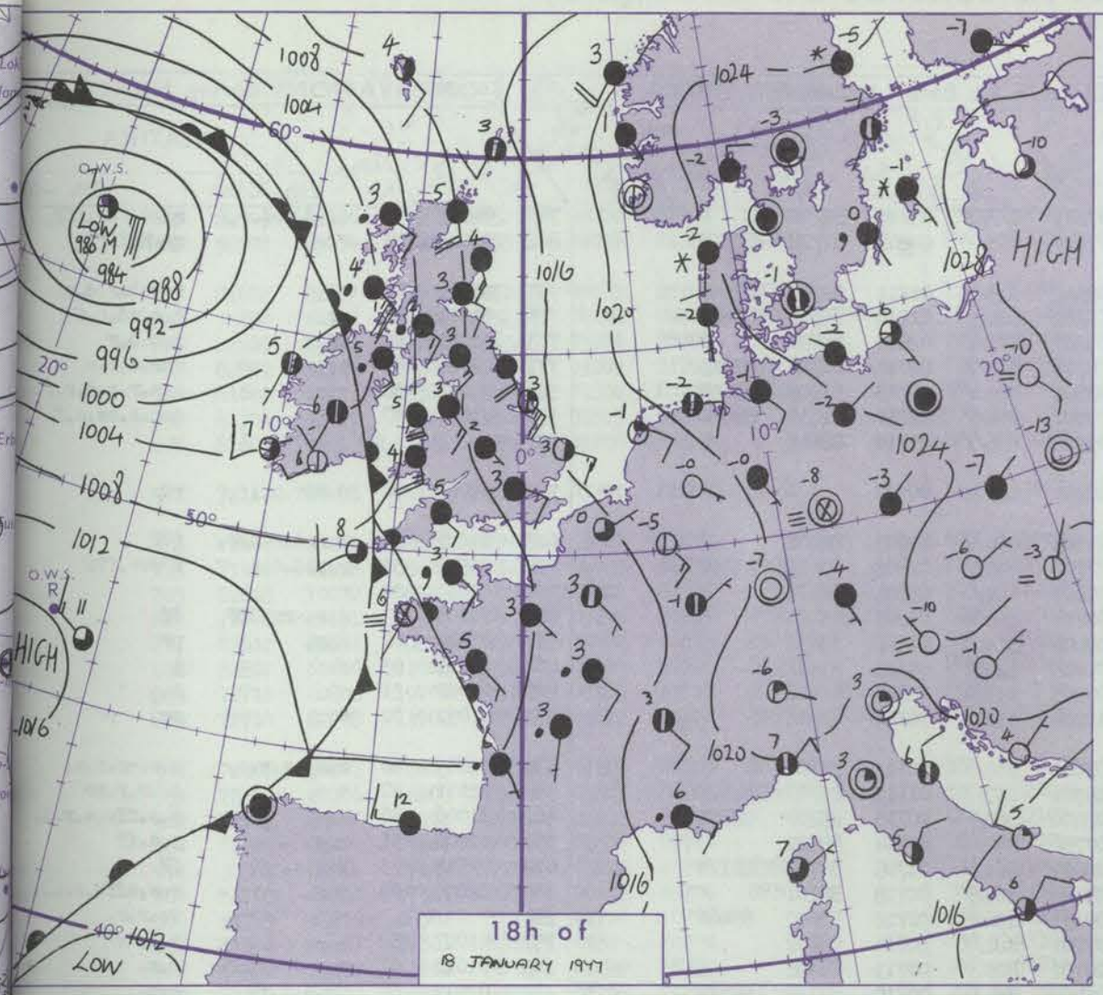
	99 $L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	18121	72704	98012	05903	48532	00804	/////	/////	05553	10604	30201	24206
	99570	70202	18124	51334	97151	87008	58301	31715	81706	85816	0//02	10982	30912	09007
	99660	10027	18124	82206	98022	16105	4251/	00705	/////	/////	05350	10672	30301	/////
	99465	70161	18124	53018	98031	15011	55500	00228	85630	/////	0//06	11142	30603	28906

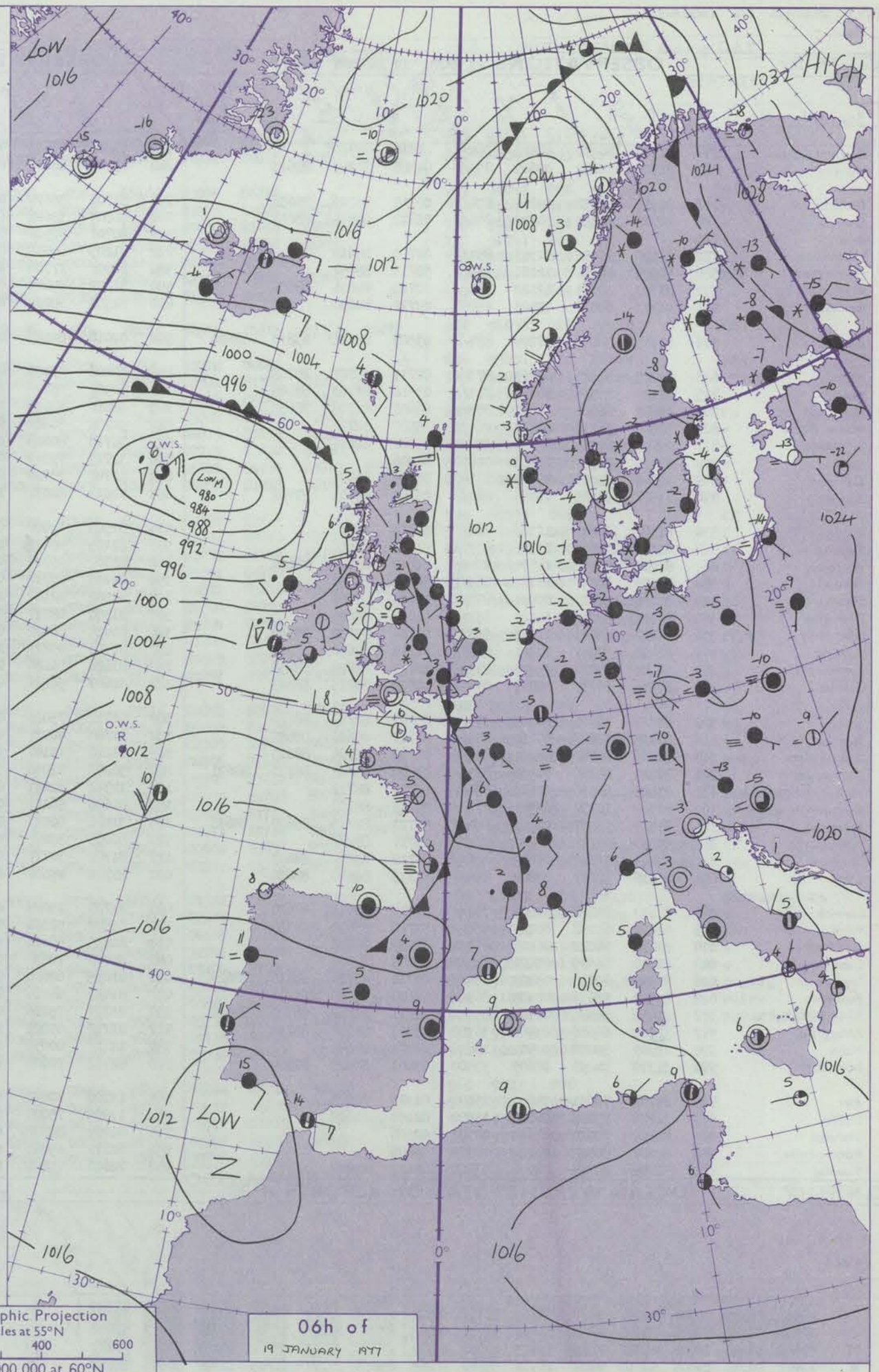
OCEAN WEATHER STATION REPORTS at 18h.

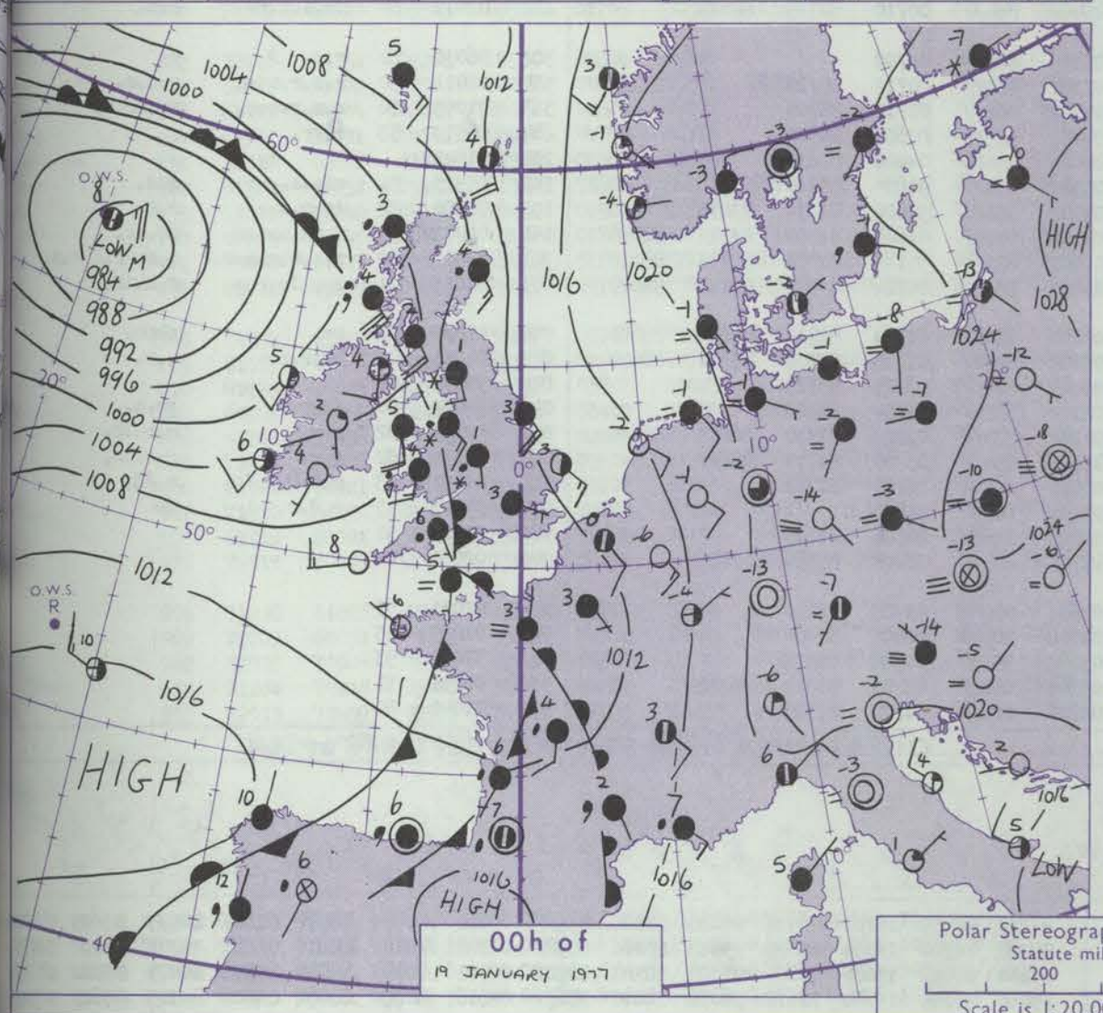
O.W.S.	99 $L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	18181	70905	98031	99503	50974	00744	/////	/////	05500	10596	30201	24407
L	99569	70197	18184	50935	97258	83207	58300	31718	81708	84817	0//05	10977	30914	06010
M	99660	10027	18184	61306	98022	14504	29470	00709	/////	/////	05901	10721	30101	/////
R	99464	70154	18184	63115	98031	15711	55602	00107	85633	83073	0//06	11140	30806	/////

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE









GENERAL SYNOPTIC DEVELOPMENT

Issued at midday WEDNESDAY 19 JANUARY 1977

During the past 24 hours a depression some 400 miles to the west of Ireland moved slowly northeastwards. Pressure remained high to the east of the British Isles, and troughs of low pressure moved slowly eastwards across Ireland and many western districts of Great Britain. During the next 24 hours the depression off Ireland will remain slow-moving, but will be reinforced by a further vigorous depression moving quickly eastwards over the North Atlantic. Further troughs of low pressure will move eastwards over many districts.

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

Code FM 11.V

OBSERVATIONS at 00h. 19 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	81109	40502	09802	864//	01810	88710		
Hurn	862	81505	60602	09605	853//	04808	85709	88613	
Manston	797	81511	57052	11802	854//	00715	85710	88656	
Gatwick	776	80908	56052	10802	854//	01812	84614	88616	
Kew	775								
Heathrow	772	81007	40052	11303	854//	01710	88618		
Honington	586	81106	40052	12201	858//	50711	88657		
Wattisham	590	81309	30051	12102	854//	00714	84616	88656	
Gorleston	497	41313	60021	13403	45600	00712	84630		
Aberporth	502	81813	57806	07204	884//	03308	85710	83813	88640
Filton	628	81205	45586	08903	873//	02711	85707	88709	
Rhoose	715	81110	18516	08603	871//	03710	85702	88706	
Hartland Point	703	82412	66808	07907	853//	06601	84708	88635	
Mount Batten	827	33602	56216	08505	26401	05504	82710		
St. Mawgan	817	22810	62016	08806	25400	05302	82615		
Scilly	804	02616	75021	09808	00900	04306			
Culdrose	809	12706	65020	09605	15500	05005	81625		
Guernsey	894	81807	28105	10205	860//	05705	85701	87702	
Elmdon	534	81307	35682	10301	864//	50814	88711		
Cardington	559	81108	56052	11302	857//	01813	88656		
Wittering	462	81210	30042	11701	854//	51612	83614	88650	
Watnall	354	81209	56042	11101	863//	50709	88706		
Shawbury	414	81408	18717	09001	870//	00713	88701		
Finningley	360	81411	56042	11501	857//	51711	88650		
Spurn Point	396	81423	65021	12603	5567/	51714	85630	88360	
Leeming	257	81411	30042	11101	857//	51711	88650		
Tynemouth	262	81627	69022	11203	2152/	50711	82825	88458	
Carlisle	222	81510	24737	08401	854//	00710	84715	88623	
Valley	302	81722	56026	06305	853//	03702	81709	88620	
Ringway	334	81414	50687	09702	855//	51711	85620	88650	
Squires Gate	318	81316	20687	08201	852//	01710	85705	88615	
Ronaldsway	204	81823	65216	04506	853//	05820	83708	86710	88621
Mull of Galloway	131	81625	60536	03604	864//	04714	88712		
Eskdalemuir	162	81309	15737	08351	873//	51715	88708		
Prestwick	135	81519	58237	05302	854//	51723	82713	85628	88638
Abbotsinch	140	90810	09737	06801	9////	00717	89///		
Leuchars	171	81415	58687	09602	856//	00712	83630	88645	
Dyce	091	81516	58607	09804	855//	51713	86620	88630	
Lerwick	005	71620	70028	12804	794//	02710	83915	87620	
Wick	075	81724	65052	08205	5567/	51710	85632	88358	
Sule Skerry	010	81430	66022	06405	855//	02709	88625		
Cape Wrath	049	81410	66505	05002	875//	01605	88720		
Stornoway	026	81310	62616	03703	854//	03714	82710	86616	88628
Benbecula	022	81522	58616	02103	863//	02609	85709	88711	
Tiree	100	81432	56586	01904	853//	02711	81708	86710	88614
Aldergrove	917	31909	65016	03504	36300	03303	81708	83710	
Malin	980	21909	80016	01404	15630	03703	81640		
Belmullet	976	31910	74256	00605	33500	03801	83920	82920	
Birr	965	21707	70031	04802	25500	01105	82628		
Dublin	969	11805	75026	04603	15500	02104	81625		
Shannon	962	01104	70010	04602	00900	00106			
Roches Point	952	02207	70020	06204	00900	02205			
Valentia	953	52008	82258	04906	53500	03203	85924		

OBSERVATIONS at 06h. 19 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	91906	03605	07803	9////	03707	89/00		
Hurn	862	73202	80216	07605	753//	04807	81708	87647	
Manston	797	81702	35696	08902	853//	01711	82709	88650	
Gatwick	776	80803	12606	08202	854//	01710	85712	88640	
Kew	775	80701	30516	08203	873//	02810	88709		
Heathrow	772	81203	18586	08303	853//	02711	86709	88615	
Honington	586	81002	17706	08801	852//	50713	81703	88650	
Wattisham	590	81602	25687	09001	854//	01714	82615	88650	
Gorleston	497	81508	58022	09703	856//	01714	88645		
Aberporth	502	02010	60108	06701	00900	00502			
Filton	628	83006	07466	07303	860//	03603	88701		
Rhoose	715	60502	58216	07702	3547/	02804	83615	85359	
Hartland Point	703	12616	83038	07607	12400	05805	81815		
Mount Batten	827	32902	56284	08701	36400	01803	83710		
St. Mawgan	817	32714	80028	08606	32400	03502	83818		
Scilly	804	12715	75020	09408	12400	04103	81817		
Culdrose	809	12707	70020	09205	15500	03804	81622		
Guernsey	894	12811	80031	10206	11400	04102	81812		
Elmdon	534	81503	12687	07601	860//	00712	88701		
Cardington	559	81105	40616	08301	853//	01713	85708	88617	
Wittering	462	81307	09717	08400	860//	00713	85700	88701	
Watnall	354	81105	03717	07700	870//	00714	88700		
Shawbury	414	81502	22107	06801	861//	01708	84702	88704	
Finningley	360	81306	08717	07700	860//	00718	88701		
Spurn Point	396	81418	66022	09103	3562/	00718	83630	88460	
Leeming	257	81508	05727	07701	861//	50714	88702		
Tynemouth	262	81620	56686	08102	8092/	00713	88458		
Carlisle	222	81609	56227	05402	854//	00710	82715	88623	
Valley	302	01912	75026	05305	00900	04704			
Ringway	334	81708	40227	07302	874//	00712	88710		
Squires Gate	318	61210	15107	05900	662//	00711	86705		
Ronaldsway	204	50202	82036	04401	58500	00604	84820		
Mull of Galloway	131	12312	82011	04005	15600	04400	81630		
Eskdalemuir	162	81606	56227	05300	874//	51809	88710		
Prestwick	135	31506	60027	04002	15601	50606	81630	83075	
Abbotsinch	140	80408	33227	04301	853//	01609	81708	83712	88616
Leuchars	171	81107	30717	06001	852//	50715	81704	83705	88645
Dyce	091	81714	45607	06802	853//	00714	83708	86711	88618
Lerwick	005	81720	75028	09604	884//	01714	82815	84630	88640
Wick	075	81620	57616	05103	853//	01715	83708	85712	88622
Sule Skerry	010	81435	66616	03404	874//	03715	88715		
Cape Wrath	049	81409	70836	02102	825//	01709	88820		
Stornoway	026	81615	62606	01205	854//	02610	82710	86615	88626
Benbecula	022	81419	66216	99805	854//	03709	84711	88617	
Tiree	100	21721	75016	00406	25400	04703	81712		
Aldergrove	917	01710	65021	03201	00900	51802			
Malin	980	11817	80030	00403	15600	01806	81645		
Belmullet	976	82112	70608	98705	864//	03608	85716	87636	
Birr	965	11706	70010	03601	00902	01705	81070		
Dublin	969	11905	75020	04002	10940	00806	81460		
Shannon	962	41907	82808	03203	38530	01504	83825		
Roches Point	952	62112	65038	05305	2847/	03703	81818	86358	
Valentia	953	72610	75808	03707	725//	04709	87825		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_E	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09
Boscombe Down	746	01021	51	d.-d.r.d.r.r	rd.d.r.r.fff
Hurn	862	06001	53	r.r.r	rr.Rf1fff
Manston	797	01011	00	+	r.rsh.r.d.s.
Gatwick	776	01021	01	r.	r.r.rd.r.f
Kew	775	02021	02	id.	r.d.d.r
Heathrow	772	02021	01	r.	r.r.d.r.r
Honington	586	01005	50	+	s.s.r.s.d.r.f
Wattisham	590	01006	50	+	s.r.s.ss.s.f
Gorleston	497				
Aberporth	502	01003	51	d.r.r.pr.	pr.
Filton	628	01021	50	r.r.d.r.d.r.	fFF
Rhoose	715	03513	53	r.r.d.d.r.-f	fFFrr.fFF
Hartland Point	703	02051	02		
Mount Batten	827	01003	53	d.r.-rr.1fF	Ff
St. Mawgan	817	93041	02	d.r.	pr
Scilly	804	00071	03	+	+
Culdrose	809	00022	51	+	+
Guernsey	894	97051	02	+	pr.
Elmdon	534	02005	50	r.s.-s.r.s.	r.s.-s.r.s.
Cardington	559	01011	00	+	id.r.r.rr
Wittering	462	01006	50	+	s.s.ffr.s.r.d.
Watnall	354	02006	51	s.s.	s.s.ff
Shawbury	414	02515	53	r.s.s.-s.	fF
Finningley	360	02006	00	r.s.	r.s.sffd.s.s.
Spurn Point	396			+	ir.r.r.
Leeming	257	01007	50	s.	s.s.is
Tynemouth	262	01012	01	+	r.s.
Carlisle	222	02015	50	1s.s.s.ss	s.s.
Valley	302	96031	52	r.r.	+
Ringway	334	02011	50	r.s.r.s.-s	s-s.s.
Squires Gate	318	01005	50	r.s.rss.s.	r.s.r.s.
Ronaldsway	204	06513	53	Rrr.	+
Mull of Galloway	131	01041			
Eskdalemuir	162	05519	51	sss.s.	sss.
Prestwick	135	92001	52	ir.r.s.	r.s.
Abbotsinch	140	06007	50	Ssss.s.r.s.	ss.ir.
Leuchars	171	04016	50	r.s.r.s.s.s.s	s.s.-r.s.r.s.
Dyce	091	01015	01	h.r.ir.r.s.	r.s.ir.
Lerwick	005	01032	01	pr.	phpr.
Wick	075	01021	01	ir.r.r.	r.r.
Sule Skerry	010	93031	02		
Cape Wrath	049	94022	00	id.r.r.	pr.s.
Stornoway	026	02031	02	r.r.	r.r.ir.
Benbecula	022	01031	02	r.r.	r.r.ir.
Tiree	100	01031	03	r.r.d.r.id.	r.id.
Aldergrove	917	93503	53	r.d.r.	jp
Malin	980	01021	51		
Belmullet	976	02031	02		
Birr	965	97011	53		
Dublin	969	01025	55		
Shannon	962	97011	53		
Roches Point	952	92031	51		
Valentia	953	01041	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	19001	81014	96636	90703	8742/	00740	/////	/////	05402	10597	3//05	24/07
L	99569	70198	19004	70425	97028	83508	32401	00308	83817	86075	0//04	10984	31012	16908
M	99660	10028	19004	41202	97158	12803	49500	00711	/////	/////	05701	10683	30101	/////
R	99461	70148	19004	52814	98022	16510	55600	00005	85633	/////	0//05	11148	30603	28908

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$ITwTwTwT_T$	$3P_wP_wH_wH_w$	V.S.
C	99527	70355	19061	82511	98026	87905	855//	00612	/////	/////	05103	10595	3//05	99527
L	99568	70200	19064	80223	95818	85106	833//	00208	84707	88910	0//06	10995	31010	99567
M	99660	10028	19064	40000	98028	10703	42500	00711	/////	/////	05750	10673	30000	99660
R	99460	70145	19064	72118	98031	14010	756//	00616	87633	/////	0//06	11125	30603	99462

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue THURSDAY 20 JANUARY 1977

OBSERVATIONS at 12h. 19 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
mbe Down	746	62505	58056	09106	45232	04004	81704	84630	
	862	52502	75034	09607	18536	04008	81820	84270	
ton	797	81602	22607	08603	872//	03602	85705	88708	
ick	776	72708	24106	09204	752//	04114	84704	85706	87645
	775	82905	45056	09104	863//	03208	88708		
row	772	82809	32106	09204	852//	03209	81705	86708	88615
ngton	586	81602	10237	08301	850//	01804	84701	88614	
sham	590	81304	07427	08501	850//	01803	85701	88616	
ston	497	81603	32268	08802	875//	01706	88720		
porth	502	72112	80038	06505	784//	03801	81818	87657	
	628	22404	59254	08606	19401	03003	81914		
e	715	71402	61028	08605	38472	04003	82817	87075	
nd Point	703	82618	70032	08507	58507	06002	81820	85640	88275
t Batten	827	72706	30051	10206	1847/	05205	81815	85360	87465
awgan	817	82612	80151	09807	2847/	03004	81818	88462	
	804	82807	60616	11008	3552/	05010	83620	88558	
rose	809	72711	60808	10706	68408	05106	82714	84630	87270
nsey	894	72710	82028	11908	12532	04011	81820	84359	86075
on	534	72307	50047	08603	762//	02305	84703	87704	
ington	559	72306	20106	08404	752//	03801	86705	87615	
ering	462	82007	01467	08101	860//	01802	88700		
nall	354	82305	03427	07601	860//	01802	88700		
bury	414	31503	09464	07104	35201	03802	81705	83626	
ngley	360	81703	07467	07501	860//	00803	85700	88701	
n Point	396	81713	18216	08302	873//	01706	88706		
ning	257	81506	06467	07301	860//	01805	88701		
rmouth	262	81812	23107	06901	865//	01809	88720		
stle	222	71609	60022	05503	6853/	01705	81820	86650	
y	302	32216	75031	05208	28530	05804	81820		
way	334	81807	11102	07502	860//	01803	85701	88702	
res Gate	318	81409	04464	06002	860//	02804	88701		
ldsway	204	61911	82031	04107	684//	04706	86816		
of Galloway	131	22010	82258	03405	22500	04807	82825		
alemuir	162	81702	56052	05401	863//	51806	86707	88710	
twick	135	11512	57040	04104	18400	01502	81818		
otsinch	140	70705	40046	04003	754//	01706	84710	87622	
chars	171	83402	11617	05501	2741/	51703	82712	88458	
e	091	81611	45607	05603	854//	01708	85712	85620	88645
wick	005	81520	65028	08304	3642/	01711	83710	88460	
k	075	81617	62606	04003	853//	01809	82708	85712	88618
Skerry	010	81425	74026	02705	3553/	03707	83625	88360	
e Wrath	049	60902	72058	02104	35506	01400	83620	86275	
rnoway	026	61715	75036	00705	55542	02805	85625		
becula	022	71419	70028	98905	784//	03804	81711	83815	87630
ee	100	71724	70021	99606	7843/	04707	81815	83618	86624
ergrove	917	71810	68251	02604	784//	01805	81714	83820	86634
in	980	61718	80021	99705	3547/	02608	81716	85359	
mullet	976	72019	70808	97707	734//	04804	83717	84920	85640
r	965	71808	81026	03405	756//	03003	87635		
blin	969	72209	80031	03705	35632	02702	83645	85361	
nnon	962	82008	70608	02905	6742/	04805	83710	84623	88556
ches Point	952	81204	70218	05406	3642/	04802	83716	88458	
lentia	953	72013	70259	02509	785//	06815	85825	87640	

OBSERVATIONS at 18h. 19 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
746	52007	70012	09204	35532	03502	83620	84070	
862	72004	56102	09405	2547/	04801	82618	84360	86364
797	62706	35056	09703	664//	02008	86710		
776	62105	56101	09803	25542	03203	82620	85075	
775	50000	50122	09301	15701	00400	81650	85075	
772	71702	34102	09404	55502	04202	85626	86075	
586	82505	22284	09002	862//	02203	88704		
590	82708	37285	09302	862//	02106	83705	88706	
497	80000	24012	09303	855//	01302	88620		
502	71813	80036	05505	18478	04807	81815	83362	86272
628	51803	58058	08404	45601	03302	84640		
715	32105	75018	08503	10938	02301	81362	83275	
703	72214	74028	07506	5553/	03712	85625	87360	
827	72011	65026	08908	2562/	05708	82645	87460	
817	41811	75016	07706	12430	04815	81815	84360	
804	62014	62026	07209	22570	07721	82820	85360	
809	61711	58028	08207	4243/	06816	84710	83820	85360
894	72605	70022	11406	11432	04807	81818	86359	
534	91704	04472	07903	9////	03704	89///		
559	82002	42102	08803	862//	03801	85703	88704	
462	82107	35104	08502	862//	01002	86704	88705	
354	82005	09424	07402	860//	02601	88700		
414	61402	48104	06602	45438	02602	83618	83640	86272
360	81702	28104	07401	862//	01000	88703		
396	82310	08464	08501	872//	01204	88705		
257	91306	01454	06901	9////	01102	89///		
262	81911	08444	07000	863//	50303	88708		
222	71508	38041	04203	25732	01707	82650	84362	
302	71714	80011	04306	2557/	04802	82624	87465	
334	81710	25601	06603	855//	01803	82625	88635	
318	71411	15106	05003	751//	02705	82702	86625	
204	81705	70601	02706	5557/	04706	81620	85650	85360
131	82015	81608	01506	3562/	05708	83630	88460	
162	81503	50237	04201	873//	00803	84706	88710	
135	81312	50608	01803	7542/	02609	81710	84620	87630
140	81108	45686	02103	854//	01711	81710	83622	86628
171	60000	09416	04400	656//	00602	83638	85650	
091	81905	38106	04602	854//	01801	85712	88616	
005	81721	50808	07202	884//	01802	82815	88638	
075	71815	59056	02804	724//	02603	85712	86815	
010	71413	74022	01805	785//	04603	81820	87625	
049	71404	82032	00704	45509	51706	84620	87175	
026	71313	75032	99405	755//	01704	87628		
022	61512	65038	97605	684//	03603	84818	83635	
100	71720	70036	97806	754//	03808	82614	84621	87637
917	81510	58638	99804	853//	03713	82708	88621	
980	81520	80606	96904	3647/	02715	82715	88460	
976	81818	59616	92007	6732/	05734	81708	86716	88550
965	81610	66026	98407	7642/	05824	87714	88458	
969	81708	65022	01106	4577/	03812	84650	88460	
962	81820	70606	96808	6547/	05727	81715	83630	86650
952	81923	62606	00609	873//	08621	87709	88637	
953	81922	60216	96509	864//	07728	88717		

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00071	015	fF1f	+
862	00083	033	ff if	+
797	94041	000	$d_or_oir_o$	+
776	91071	013	r_of	+
775	91051	001	r_od_o	+
772	91051	001	r_o	+
586	97031	000	$s_oi s_or_os_o$ff	ff
590	92021	000	$s_os_offd_o$	ffF
497		000		
502	91071	018	pr_oir_o	ir_o
628	93071	016	FFfpr_o	pr_o
715	95071	005	FF$pr_of pr_o$	$prpr_o$
703	01071	000		
827	92081	005	jfr_o	r_o
817	97081	000	ir_o	+
804	02091	002	$ir_or_or_o$	+
809	94091	000	pr_o	+
894	97091	012	pr_o	+
534	00031	001	+	ff
559	91041	000	id_o	f
462	92031	000	d_od_off	ff
354	00025	000	FFff	FFff
414	00065	047	f	+
360	91025	002	s_os_off	ff
396			$r_or_oir_o$	ff
257	92015	000	$s_os_or_os_o$	ffFF
262	95011		$r_os r_os$	ff
222	00051	025	+	+
302	00081	034	+	+
334	97031	009	+	r_o
318	97031	000	$r_o$fff if	+
204	97081	038	+	r_or_o
131	02071			
162	95017	000	$r_os_or_os_o$	$r_os_or_o$
135	01041	033	pr_o	$ir_or_or_o$
140	92046	000	ir_o	r_os_o
171	01025	001	$r_os_or_os_or_or_o$	if
091	92035	000	$r_os_or_os_or_or_o$	ir_o
005	03042	000	pr_ophpr_o	$phpr_ophr_or_o$
075	96041	000	r_or_o	+
010	95050			
049	00051	036	+	+
026	00061	013	+	+
022	91061	000	ir_opr_o	pr_oir_o
100	91061	000	r_o	r_oir_o
917	03062	007	pr_o	$r_or_or_od_or_or_or_o$
980	9706	009		
976	1008	002		
965	9707	000		
969	9707	020		
962	9708	000		
952	9709	004		
953	0510	000		

OCEAN WEATHER STATION REPORTS at 12h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
///	99527	70355	19121	83318	97078	96703	855//	002116	/////	/////	05603	10612	31212	/////
149	99567	70201	19124	70315	97808	85608	59251	00001	83705	84912	0//05	10983	30909	06907
///	99660	10030	19124	80207	96848	10101	894//	00303	/////	/////	06100	10674	30101	/////
289	99462	70145	19124	82025	98031	09810	7553/	00725	87630	88360	0//10	11156	30503	27706

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	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	19181	73119	97158	02704	73400	00212	/////	/////	05303	10596	31011	/////
L	99569	70200	19184	71026	98808	84708	6333/	11501	82707	84910	0//05	11004	30907	06903
M	99660	10030	19184	43012	98021	09703	39560	00400	/////	/////	05750	10705	30201	/////
R	99463	70146	19184	81826	98018	00311	6847/	00745	81815	86630	0//11	11143	30506	27805

Times of observation printed in this publication are GREENWICH MEAN TIME.

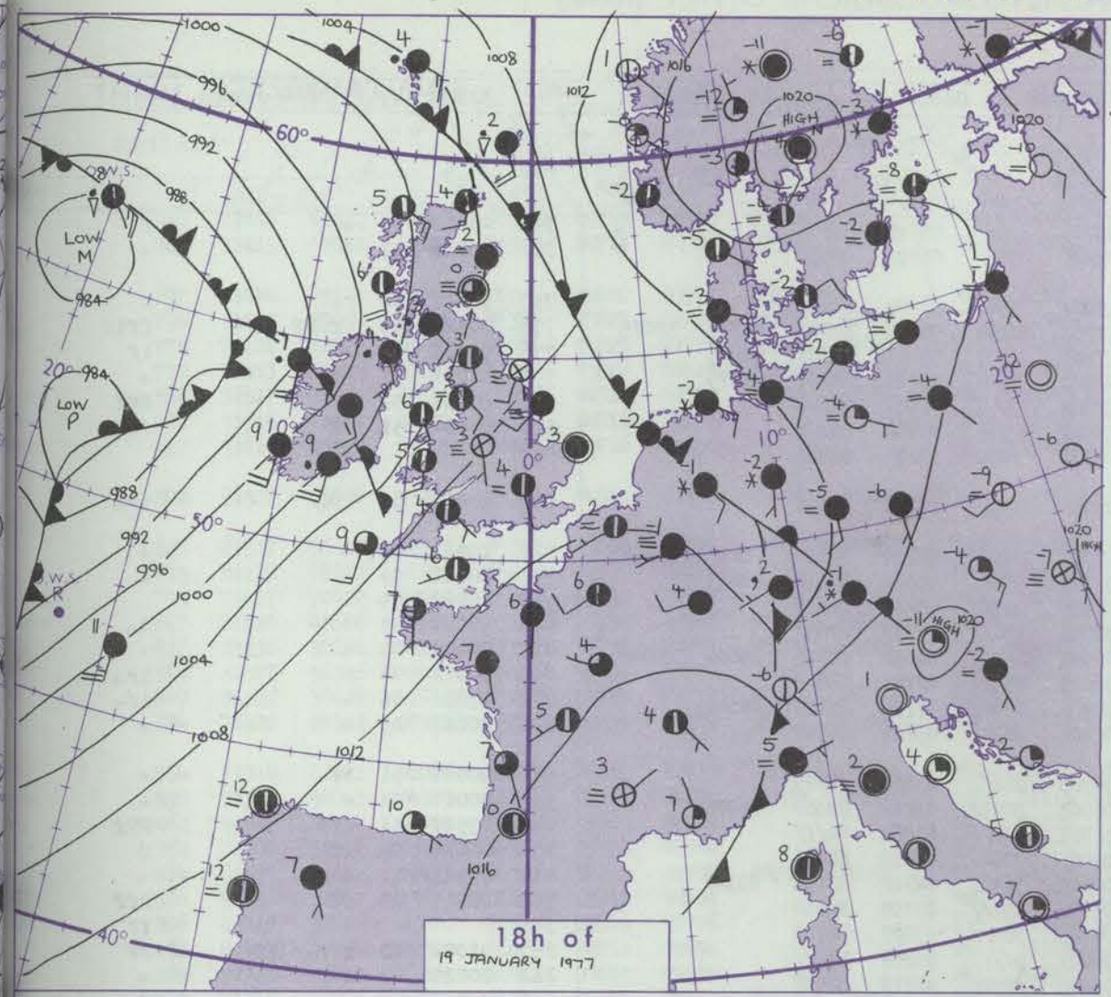
CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE

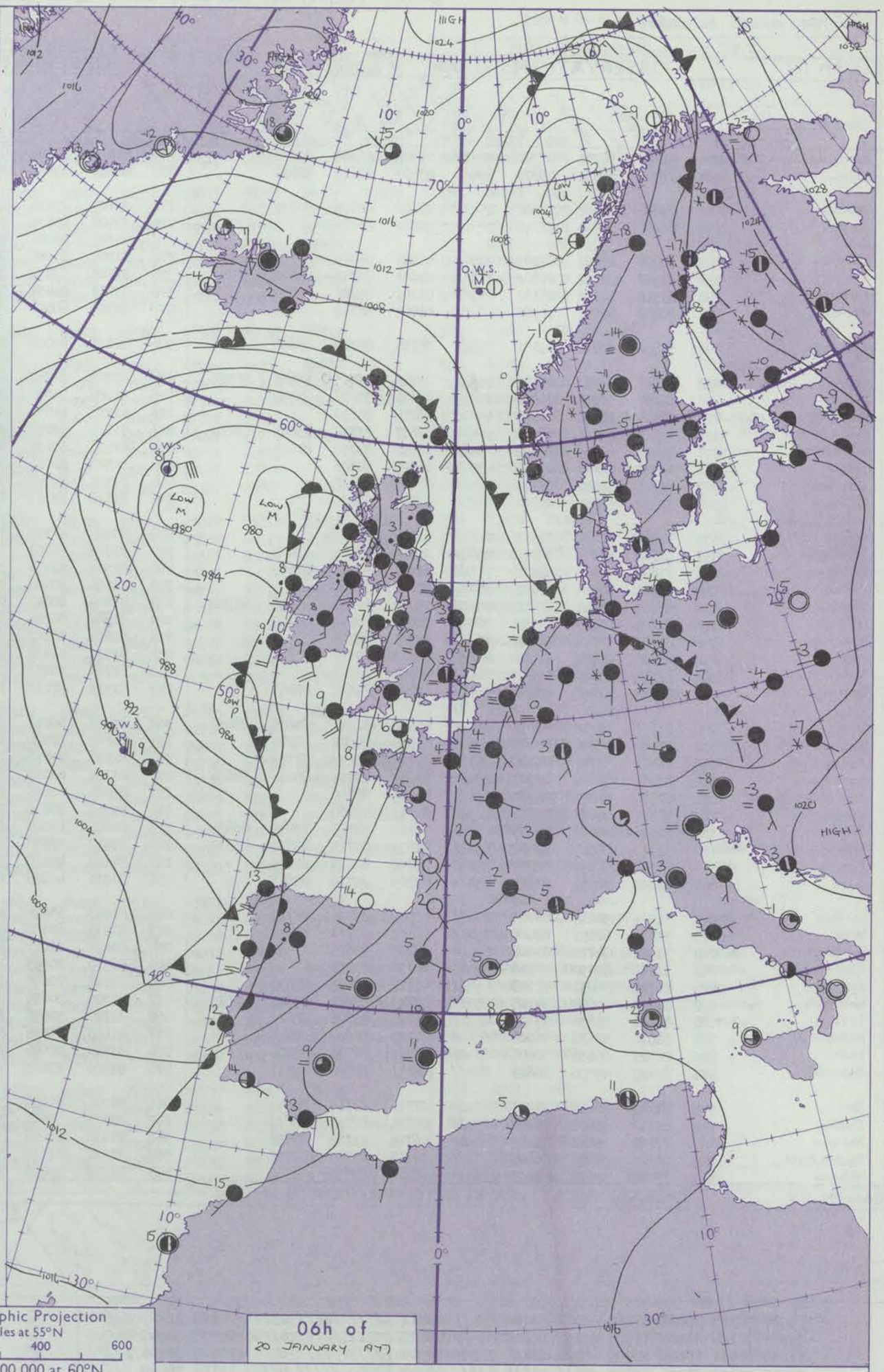
NAUTICAL MILES

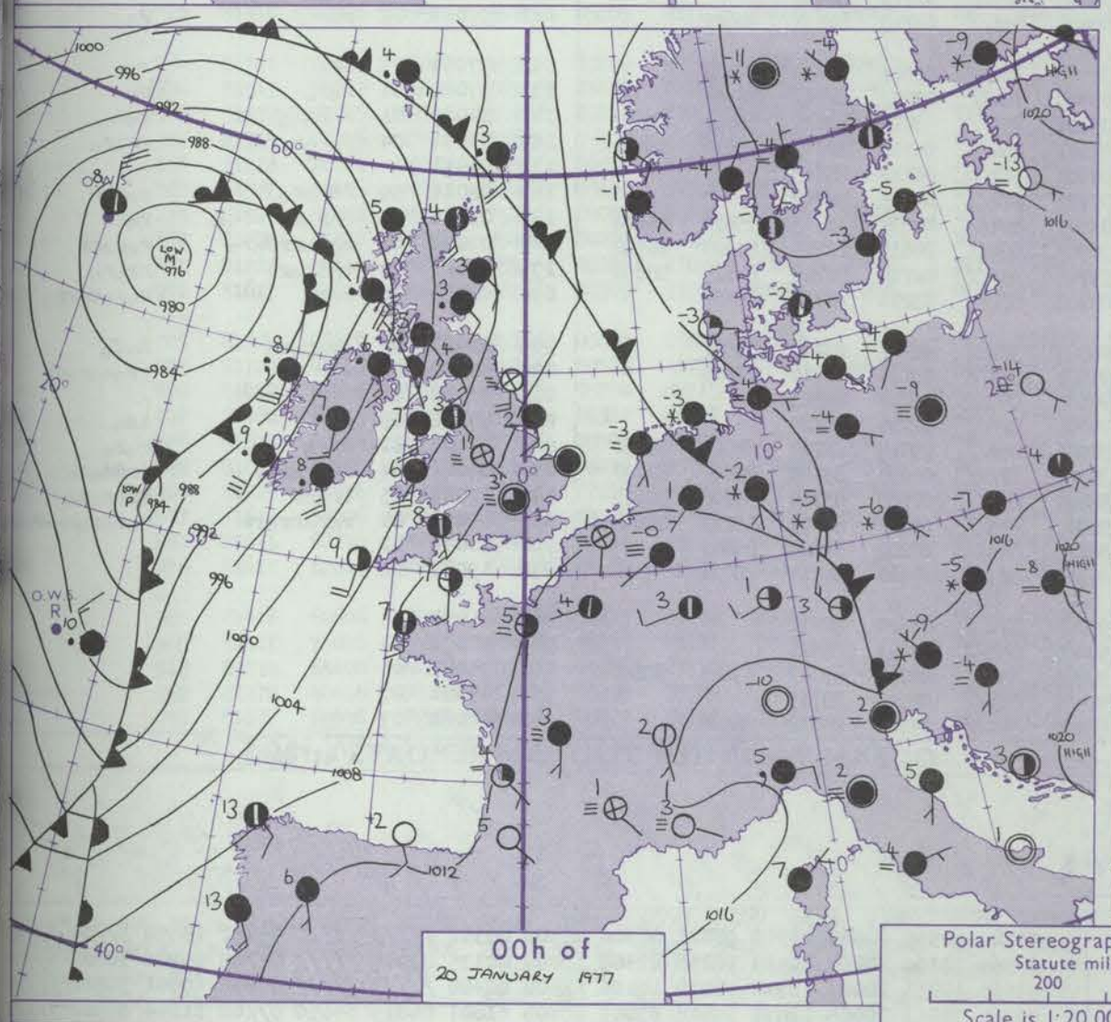
0 100 200 300 400 500 1000 1500

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

12 h of
19 JANUARY 1977







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

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday THURSDAY 20 JANUARY 1977

During the past 24 hours a depression has remained almost stationary about 400 miles west of Scotland. The associated occlusion moved northeastwards over eastern districts of England and Scotland yesterday. A further depression in mid-Atlantic moved rather quickly eastwards and was about 250 miles west of Lands End by this morning. Pressure remained high over eastern Europe. During the next 24 hours the low to the west of Scotland will move slowly east to the Western Isles, whilst that to the west of Lands End is expected move eastwards along the English Channel to the Low Countries. An associated occlusion will move northeastwards across most parts of Britain by tomorrow morning.

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

Code FM 11.V — OBSERVATIONS at 00h. 20 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	51708	56101	08702	10932	01809	81360	85072	
Hurn	862	71403	65031	08803	654/1	03809	81615	86639	
Manston	797	71806	45102	10302	25531	02000	82625	86075	
Gatwick	776	60202	01464	09750	00902	50001	86075		
Kew	775								
Heathrow	772	60000	20402	09203	00901	03801	86075		
Honington	586	81507	24102	09302	851//	02001	83702	88620	
Wattisham	590	81510	12102	09702	853//	01102	83707	88650	
Gorleston	497	80000	40022	10402	864//	01003	88715		
Aberporth	502	81820	62216	02706	853//	05718	84709	88650	
Filton	628	71807	58051	07005	5567/	03715	81630	85645	85362
Rhoose	715	81207	80021	06806	3547/	04610	83616	88358	
Hartland Point	703	52015	68031	04507	55700	06718	85650		
Mount Batten	827	71913	65026	06408	35478	07617	81712	83643	86270
St. Mawgan	817	71913	65031	04908	754//	06614	83710	87614	
Scilly	804	41920	62021	03809	45500	07825	84626		
Culdrose	809	81811	58032	05709	854//	07613	88618		
Guernsey	894	51812	65022	09707	00902	06814	85075		
Elmdon	534	91305	01474	07401	9////	01806	89///		
Cardington	559	41906	56104	08902	25601	02004	82640	83075	
Wittering	462	71805	22104	08102	753//	02001	83708	87645	
Watnall	354	81701	03464	07202	860//	02000	88700		
Shawbury	414	81705	48041	05903	4547/	02808	82616	83656	88360
Finningley	360	81705	05464	07102	860//	02000	86701	88702	
Spurn Point	396	81610	40024	08702	872//	02301	88705		
Leeming	257	91508	00474	06301	9////	01803	89///		
Tynemouth	262	81711	39104	05802	864//	01805	88712		
Carlisle	222	81613	57046	03104	4567/	02807	84635	88461	
Valley	302	81727	70212	01707	4542/	05816	82711	83625	88459
Ringway	334	81712	45046	06003	45607	01808	84645	88272	
Squires Gate	318	71413	30041	04103	5577/	02710	85650	87359	
Ronaldsway	204	81721	56606	00307	854//	06614	83711	85617	88626
Mull of Galloway	131	81930	64636	98507	874//	06515	88715		
Eskdalemuir	162	81511	45237	02701	873//	01711	88706		
Prestwick	135	81416	45606	99005	7532/	03718	81707	85616	86624
Abbotsinch	140	81111	58617	99604	6542/	02815	82712	83620	86632
Leuchars	171	81308	57614	02803	854//	01706	86619	88645	
Dyce	091	81408	50051	03703	854//	02705	84710	88613	
Lerwick	005	81521	50616	06903	873//	00802	85706	88710	
Wick	075	71713	62051	02404	754//	01803	85714	87625	
Sule Skerry	010	31424	74021	01004	35500	04705	83625		
Cape Wrath	049	31409	82030	99203	33500	00719	83920		
Stornoway	026	81215	75031	97105	855//	01817	83624	88632	
Benbecula	022	81222	62608	94105	853//	03823	82707	85710	88615
Tiree	100	81426	58636	93307	853//	06728	83706	88613	
Aldergrove	917	81616	58636	96006	6552/	04718	86624	88458	
Malin	980	81525	60636	90806	6742/	05735	86716	88550	
Belmullet	976	81923	45586	86608	873//	08611	84706	88711	
Birr	965	81815	60616	94207	7742/	07718	87712	88458	
Dublin	969	81712	80606	96907	854//	05724	82718	88627	
Shannon	962	81720	65616	92609	854//	06714	81715	88635	
Roches Point	952	81727	50636	96108	872//	08718	83705	88708	
Valentia	953	82028	50636	92109	864//	08716	88710		

OBSERVATIONS at 06h. 20 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	81513	30104	05205	860//	05719	88701		
862	81610	65022	05407	858//	06721	88657		
797	21707	25126	09202	15501	02607	81620		
776	71502	09414	07701	56201	51715	81703	85709	87075
775	61303	56284	07104	16301	03713	81707	86075	
772	71205	25102	07303	46201	03714	84703	85075	
586	91606	02434	07902	9////	02610	89/00		
590	91708	01454	08501	9////	01708	89///		
497	81906	60022	08704	864//	03709	88710		
502	81625	62026	98007	854//	05726	88616		
628	81208	62052	03306	854//	05723	84710	86617	88628
715	81208	75032	02706	854//	05821	83710	88613	
703	61918	74012	00408	655//	05712	86620		
827	71714	62012	01708	756//	07730	87632		
817	81717	65032	99507	854//	06632	83710	85620	88640
804	81520	62021	96909	855//	07741	88623		
809	61511	64022	99908	654//	07734	82716	86626	
894	61614	63011	05306	662//	05721	86704		
534	81408	57104	04903	862//	03614	88703		
559	61312	56101	06903	30932	03712	82360	86075	
462	91505	01454	06701	9////	01809	89///		
354	71510	50104	05003	00902	02710	87075		
414	81409	48042	02605	3637/	04717	83706	88360	
360	81509	56284	05102	857//	01710	88650		
396	81616	10102	07103	862//	03607	88705		
257	91510	01436	04401	9////	01808	89///		
262	81715	56052	03903	8092/	02712	88458		
222	81513	57212	00405	856//	03713	84637	88649	
302	81727	66012	98307	3562/	05613	83634	88459	
334	81612	57026	03305	1647/	03717	81712	88359	
318	81416	45616	01204	855//	03715	83622	85633	88656
204	81721	63616	97107	854//	05712	82712	85616	88634
131	82035	64616	94507	874//	06711	88715		
162	81510	30616	99402	872//	01715	88703		
135	81616	65616	95806	854//	04614	81715	85616	85624
140	81412	57636	96305	5542/	04615	82710	85623	88550
171	81112	45616	99703	853//	02714	82708	83625	88650
091	81514	40616	00705	872//	03714	81705	88707	
005	81419	60616	05203	5742/	02707	85710	88517	
075	81519	60616	99505	854//	03711	84710	88615	
010	81428	66021	97605	855//	05719	88625		
049	80910	70505	94704	875//	02714	88720		
026	81217	70616	92005	854//	03724	82710	84620	88630
022	81326	30636	88306	7722/	06626	83704	85707	87710
100	81729	50636	88807	852//	07608	83704	85706	88612
917	81620	65586	92707	853//	05607	81709	83711	88616
980	81825	68606	88708	864//	07202	84714	88641	
976	81920	57615	86308	863//	07400	84707	88714	
965	81714	62606	91708	874//	07610	88710		
969	81713	80606	94408	855//	05611	88624		
962	81618	62606	89808	854//	06716	83717	83623	88640
952	81522	62216	92409	864//	08719	88713		
953	81918	50616	88109	5742/	07622	85712	88540	

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09
746	00011	53	+	f
862	00011	53	+	+
797	91011	52	r_o	f
776	00521	55	iffFF	ff1f
775	97511	53	+	1f
772	97011	51	jf	+
586	97011	50	f	Fff
590	97001	51	ff	ffFF
497				
502	97061	05	ir_o	ir_o
628	00031	01	+	+
715	00041	50	+	+
703	00061	04		
827	97081	05	+	d_o
817	00061	03	+	+
804	97082	06	r	ir_o
809	97081	06	+	ir_o
894	00061	03	+	+
534	00011	51	fF	+
559	00011	53	+	+
462	97511	51	ffF	FFf
354	00015	50	ff	f
414	00025	01	+	+
360	00015	00	ff	Fff
396			+	ff
257	91002	00	ffd_or_oFF	FF
262	00011	00	+	+
222	97031	02	r_o	r_o
302	97061	05	ir_o	+
334	97021	01	r_o	r_o
318	94021	01	r_or_o	r_or_o
204	03051	04	r_or_or	rr_or_o
131	04051			
162	06016	50	rsr_or_o	r_or_or
135	03031	03	r_or_or	r_or_o
140	09032	02	$r_os_orrr_or_o$	r_or_orr
171	03015	50	r_oir_or	rr_or_o
091	02011	00	r_or_o	r_or_odrrr
005	02021	01	$ir_or_or_o$	r_or_o
075	02032	01	+	$ir_or_or_orr$
010	95032	01		
049	97032	00	+	$1d_o$
026	02041	01	r_or_o	r_or_o
022	06041	04	$1d_or_or_or$	$rrRd_or_o$
100	17051	05	ir_orR	$Rrrr_or_o$
917	09051	04	$r_or_orr_or_orr$	$r_or_od_or_o-r$
980	11051	02		
976	19071	06		
965	06071	05		
969	92071	04		
962	95081	06		
952	05081	07		
953	22081	07		

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

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	20001	83212	98022	06704	855//	00312	/////	/////	05201	10599	3//05	///09
L	99571	70198	20004	73527	97258	80807	734//	00828	87912	/////	0//06	10978	30907	06905
M	99659	10031	20004	33006	98020	10104	35500	00203	/////	/////	05651	10720	30201	/////
R	99465	70151	20004	83217	97616	91610	873//	00742	88707	/////	0//09	11143	30807	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$
C	99527	70355	20061	43310	98021	08304	45500	00312	/////	/////	05451	10590	3//04
L	99569	70199	20064	10532	98258	82308	13400	00135	81910	/////	0//05	10981	30808
M	99660	10031	20064	12710	98020	10104	11500	00400	/////	/////	05652	10701	30201
R	99465	70153	20064	62836	97018	93009	68400	61801	84815	84650	0//08	11144	30909

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue FRIDAY 21 JANUARY 1977

OBSERVATIONS at 12h. 20 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
be Down	746	71418	62022	01806	6637/	05719	85709	87360	
	862	71415	62032	02108	4633/	04718	84706	87358	
n	797	81614	45104	06904	862//	04820	83703	88704	
k	776	71515	57054	04606	36372	05824	82708	84360	87072
	775	71212	62022	04007	16431	04828	81712	84362	87075
ow	772	71413	61025	03807	11472	05829	81815	83465	87075
gton	586	81517	35104	06105	861//	04818	82702	86703	88705
ham	590	91515	01474	06504	9////	04816	89///		
ton	497	81615	48022	07205	8071/	04716	88450		
rth	502	81527	65606	93207	1537/	04823	81708	84360	88462
	628	81517	65022	00107	7537/	04819	84708	87611	88460
	715	81218	68032	98806	854//	04716	88612		
d Point	703	71427	70012	92607	3547/	05844	81712	83635	86360
Batten	827	81620	45616	96008	853//	06731	82707	85710	88618
wgan	817	81530	30636	93207	872//	07730	81703	86704	88706
	804	81527	56216	88409	6632/	09750	86707	88460	
se	809	81322	30636	92709	872//	08734	83705	85709	88712
ey	894	71422	67022	00106	6537/	04724	84709	85611	87360
n	534	71314	62022	02006	26478	05818	82711	85462	87270
gton	559	71314	50052	04307	65338	05623	84708	85620	87270
ing	462	81618	47054	04005	862//	04816	88705		
ll	354	81509	50102	03105	863//	05814	88706		
ury	414	81515	61042	00407	6632/	04715	81708	86711	88459
gley	360	81512	12102	03403	860//	03812	88701		
Point	396	81419	50024	05604	863//	03806	88706		
ng	257	81413	04464	02802	860//	02812	88701		
outh	262	81722	23052	03305	864//	03603	88718		
e	222	81314	62026	99506	5547/	03805	81710	84632	88462
	302	81511	75022	96607	1557/	03709	81625	85360	88465
ay	334	81513	58022	01606	7631/	03710	83708	87710	88462
s Gate	318	81317	57046	99306	853//	05713	82708	87612	88635
dsway	204	81315	61026	97207	3547/	05704	81713	83656	88462
f Galloway	131	81618	70026	95607	2552/	06011	82625	88460	
lemuir	162	81507	50106	99703	854//	03001	84710	88622	
wick	135	81516	65026	96306	7542/	04003	81616	86640	88459
tsinch	140	81208	65216	97306	3542/	04209	81616	83630	88458
ars	171	81212	50616	99904	3552/	02006	81620	83640	88459
	091	81617	40616	00805	872//	04305	83705	86706	88708
ck	005	81524	58616	04804	853//	03803	85708	88620	
	075	81722	45636	98106	852//	05803	83705	87708	88620
ikerry	010	81432	66616	96106	874//	05704	88715		
Wrath	049	81404	66205	94903	865//	02312	88720		
oway	026	81614	64636	92306	853//	05306	81706	85711	88618
scula	022	81513	58636	90408	6522/	06217	83705	85708	88530
	100	81729	57616	91308	7732/	07214	84707	87710	88527
grove	917	81618	65026	93607	5547/	04004	81714	83618	88459
	980	81621	68216	90608	6642/	06111	85716	88459	
ullet	976	81411	62615	86607	6647/	06005	83716	85636	88459
	965	81416	62606	89308	5742/	07815	85712	88458	
n	969	81417	75026	92308	854//	05818	85717	88625	
non	962	81214	65606	86608	6747/	07726	83712	84720	88458
es Point	952	81222	40616	86509	872//	08736	88704		
tia	953	81607	62616	84309	4642/	08823	84718	88540	

OBSERVATIONS at 18h. 20 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$
746	81321	60602	97805	5542/	04721	83712	84650	88460
862	81216	57626	97807	7542/	05517	82615	86627	88458
797	71318	56052	03905	16378	03813	81707	84365	87272
776	81315	59022	01006	6647/	04822	86711	88362	
775	71213	62022	00806	1647/	03824	81716	87362	
772	71412	59022	00706	1547/	04723	81618	87360	
586	81315	42056	04005	863//	03709	85706	88708	
590	81319	50104	04104	862//	03811	83705	88707	
497	81614	48024	06005	863//	03709	88706		
502	81423	60616	89607	873//	05507	85708	88711	
628	81420	62616	95606	853//	05719	84708	88618	
715	81215	57606	94906	853//	05606	81706	83708	88610
703	71815	70016	90909	5547/	07101	82710	85630	87460
827	42024	62016	92609	31430	07302	83812		
817	61823	65028	89909	68432	06207	81710	84815	
804	31927	62016	87509	38400	08211	82815		
809	31929	58258	89809	21401	08207	82818		
894	81716	62216	96808	4632/	07500	84707	87459	
534	81215	65022	98406	4547/	03820	82712	83650	88465
559	81115	62022	01305	6647/	03618	86713	84361	88363
462	81216	36102	01404	862//	03816	83705	86707	88712
354	81215	56502	00104	5632/	03817	85707	88460	
414	81312	60042	96307	854//	04721	82712	88620	
360	81315	40042	01104	863//	03811	86706	88709	
396	81322	58022	03905	864//	04708	88710		
257	81313	50044	01405	863//	03807	88709		
262	81527	61022	01705	864//	04810	88718		
222	81416	60022	98606	3567/	02505	83635	84359	88462
302	81220	65216	90908	6557/	05625	86626	88458	
334	81219	60022	98006	854//	02719	81710	84622	88650
318	81218	58042	96206	854//	04809	81615	86630	88657
204	81128	56632	92406	5542/	05730	81710	85650	88458
131	81625	70606	91306	885//	05732	82825	88630	
162	81209	62022	98603	854//	00805	81713	88635	
135	81116	60022	95805	7542/	02810	81614	84616	86620
140	80914	56042	97106	25628	02806	82630	87462	
171	71413	50056	99904	35372	02701	82708	86359	87070
091	81617	35216	01806	863//	04109	83709	88711	
005	81625	56636	04505	853//	03202	86709	88618	
075	81721	58026	00006	6542/	04215	82712	85618	88458
010	81424	64636	98106	874//	06218	88715		
049	81404	80026	95905	855//	04212	88625		
026	81719	70026	94508	6542/	05211	83615	85635	88458
022	71523	62016	92307	5547/	05110	85617	87360	
100	81328	60036	92307	6542/	05104	81710	86618	88459
917	81018	58616	90106	853//	04722	83708	85710	88614
980	81124	65616	89206	6742/	04707	82712	86716	88458
976	81012	59636	83307	5647/	06719	83715	84636	88459
965	81220	56585	81808	7732/	07738	87708	88458	
969	81322	56586	87208	864//	06726	88711		
962	80919	58586	77609	864//	07750	82710	86716	87622
952	81329	30586	77809	872//	08630	88705		
953	83311	58636	75908	5632/	08742	85709	88540	

OBSERVATIONS during DAY

iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	03071	000	+	r.rrd.r.dr
862	05081	001	+	r.rR[redacted]
797	00061	001	ff	+
776	97071	005	+	r.
775	00081	016	+	+
772	97081	007	d.	r.
586	97051	000	fir.	+
590	00051	000	Ff	+
497		000		
502	01081	000	ir.r.r.	r.r.
628	93071	000	+	r.r.d.
715	93071	000	ir.	r.r.d.r.ir.
703	92091	000		
827	03091	000	r.r.rid.	d.-d.r.
817	07091	000	d.r.Rrr	pr
804	02102	000	rr	pr.rr
809	02101	004	ir.r.r.rr	pr.
894	97081	001	ir.	ir.
534	97071	001	+	ir.
559	00071	000	+	+
462	00061	000	f	+
354	97065	000	+	d.
414	91075	000	+	r.r.
360	00051	000	+	+
396			ff	+
257	00051	000	ff	+
262	00051		+	+
222	97071	000	r.	+
302	95091	000	r.ir.	r.r.
334	97071	000	+	r.
318	97071	000	+	r.r.
204	04081	000	+	rr
131	02071			
162	02036	000	r.r	+
135	91071	000	r.r.	r.
140	02071	000	rrr.r.	+
171	01051	000	r.r.	[redacted] +
091	03071	000	r.r.rir.	ir.
005	07052	000	r.r.	r.r.rr
075	07061	000	r.r.rr	rrr.r.
010	03062			
049	03062	000	id.r.r.	r.r.
026	05081	000	r.r.rrr.r.	r.r.
022	04081	000	d.rrr.r.	r.
100	04081	000	rr.r.	ir.r.r
917	02081	000	+	r.r.
980	0209	000		
976	0608	000		
965	0209	000		
969	0308	000		
962	0509	000		
952	0909	000		
953	1809	000		

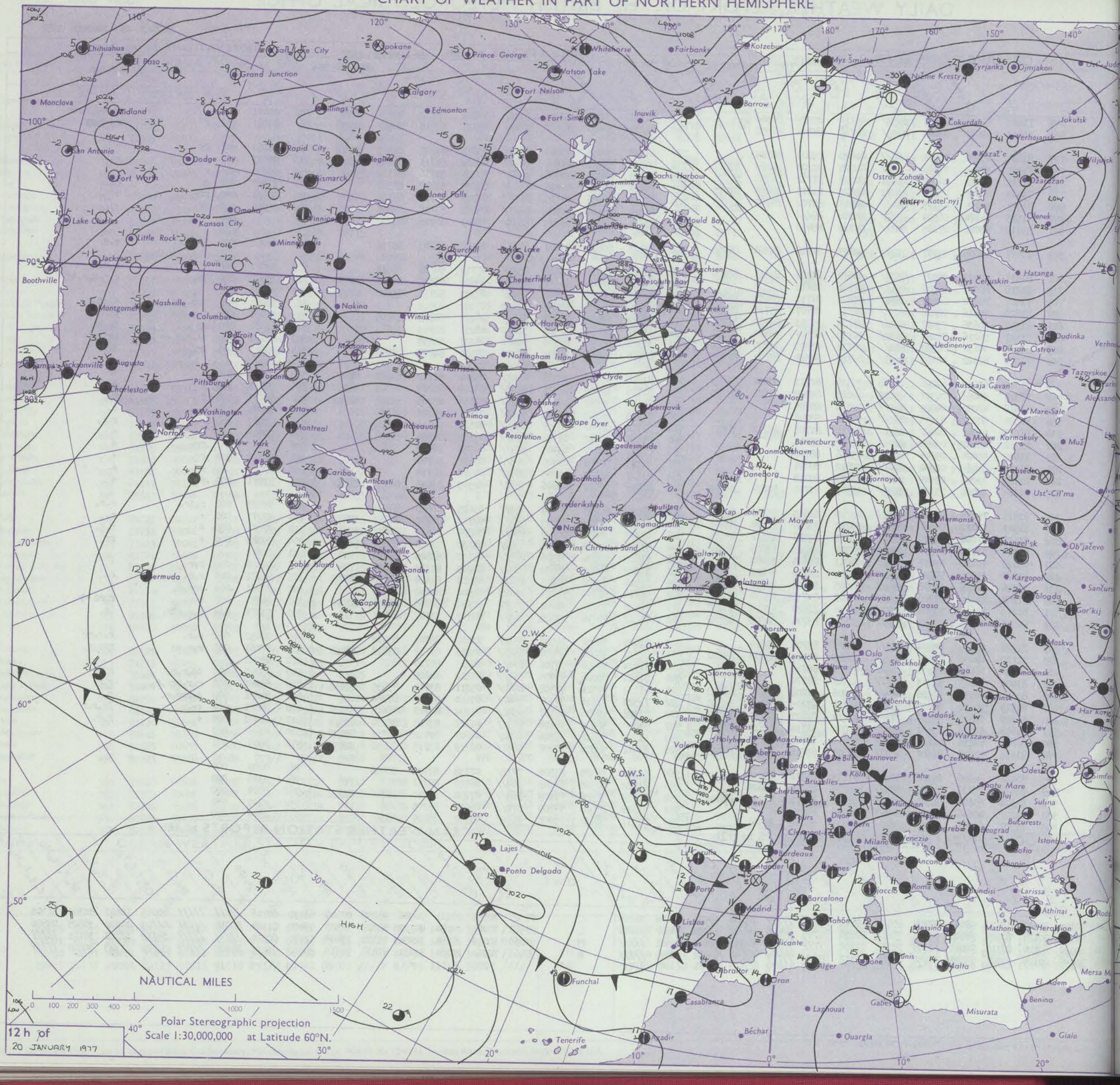
OCEAN WEATHER STATION REPORTS at 12h.

S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	20121	83410	98021	07904	855//	00812	/////	/////	05204	10599	30604	31206
	99569	70199	20124	70528	98808	88306	792//	00230	84705	86910	0//06	11004	30807	09806
	99660	10020	20124	42710	98020	11603	28542	71206	/////	/////	05752	10729	30201	/////
	99466	70158	20124	33027	98018	94210	32560	00112	83820	/////	0//09	11141	30809	/////

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	$8N_sC_hs_hs_s$	$8N_sC_hs_hs_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	20181	70506	98036	07906	68532	00716	/////	/////	00005	10601	30302	31105
L	99567	70200	20184	40122	98019	92807	48400	11124	82818	/////	0//03	10999	30808	09806
M	99660	10019	20184	32904	98021	13403	12470	00210	/////	/////	05752	10707	30101	/////
R	99466	70160	20184	53031	97038	96910	59500	00215	85920	/////	0//09	11143	30809	/////

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Chihuahua
El Paso
Monclova
Midland
San Antonio
Fort Worth
Dodge City
Grand Junction
Spokane
Prince George
Calgary
Edmonton
Billings
Rapid City
Regina
Bismarck
Whitehorse
Watson Lake
Fort Nelson
Fort Simpson
Inuvik
Barrow
Fairbanks
Kotzebue
Mys Šmidta
Nižnie Kresty
Zyrjanka
Ojmjakon
Ust'-Judoma
Čokurdah
Jakutsk
Verhojansk
Kazač'e
Viljujsk
Ostrov Zohova
Ostrov Kotel'nyj
Džardžan
Olenek
Hatanga
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Ostrov Uedineniya
Tazovskoe
Russkaja Gavan'
Aleksandrovskoje
Mare-Sale
Molye Karmakuly
Muž
Tosedem
Ust'-Cil'ma
Murmansk
Arhangel'sk
Ob"jačevo
Kargopol'
Sankurje
Vologda
Gor'kij
Moskva
Smolensk
Kursk
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Kiev
Odessa
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Oran
Gibraltar
Casablanca
Agadir
Lagnouat
Misurata
Gabes
Benina
Mersa M
El Adem
Gialo
Ouargla
Béchar
Tenerife
Funchal
Lajes
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Bordeaux
Santander
La Coruña
Paris
Dijon
Bern
Clermont-Ferrand
Tours
Cherbourg
Brest
München
Köln
Praha
Hannover
Hamburg
Berlin
Gdańsk
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Lerwick
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Manchester
London
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Ostende
Aasiaat
Godthab
Frederikshab
Narssarssuaq
Angmagssalik
Prins Christian Sund
Kap Tobin
Jan Mayen
Reykjavik
Vestmannaeyjar
Hjallanes
Keflavik
Nord
Barencburg
Danmarkshavn
Daneborg
Hopen
Bjornoya
Sodankylä
Ivalo
Nordoyan
Vaasa
Oulu
Oslo
Ona
Oksoy
Ostersund
Reboly
Kajaani
Joensuu
Kuopio
Jyväskylä
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Feodosija
Rostov
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Astrahan'
Saratov
Kujbyšev
Orenburg
Ufa
Perm'
Kirov
Vjatka
Kostroma
Jaroslavl'
Rybinsk
Vologda
Arhangel'sk
Murmansk
Kandalaksa
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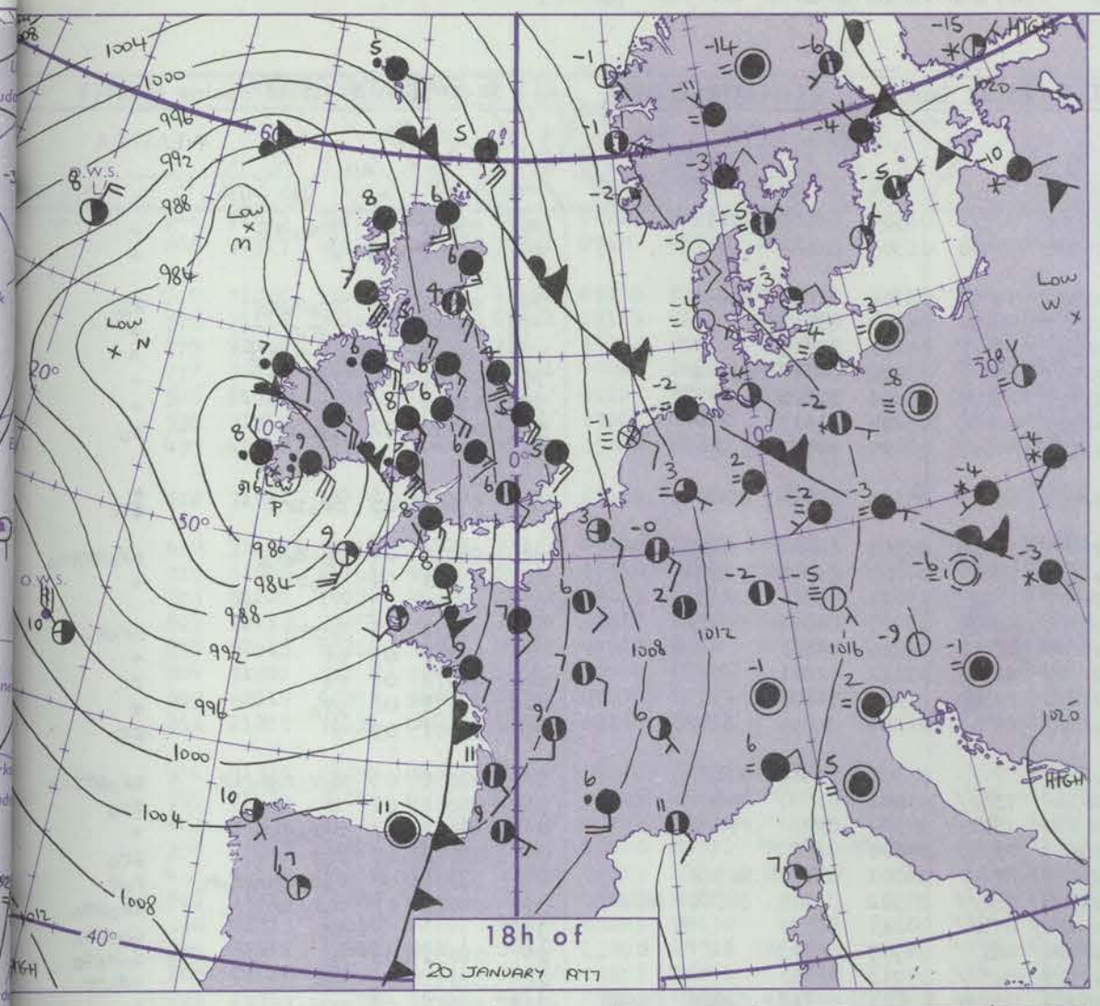
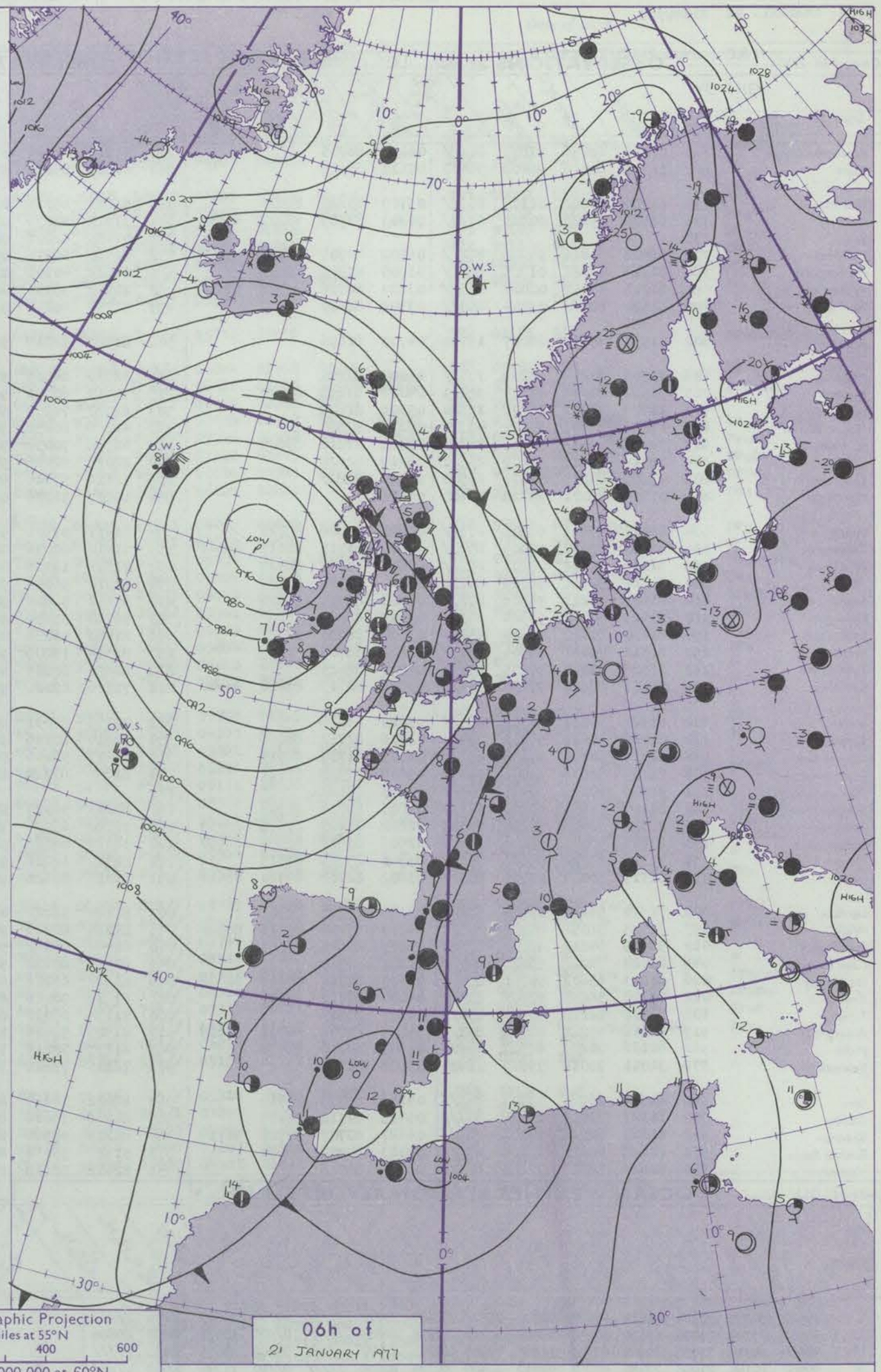
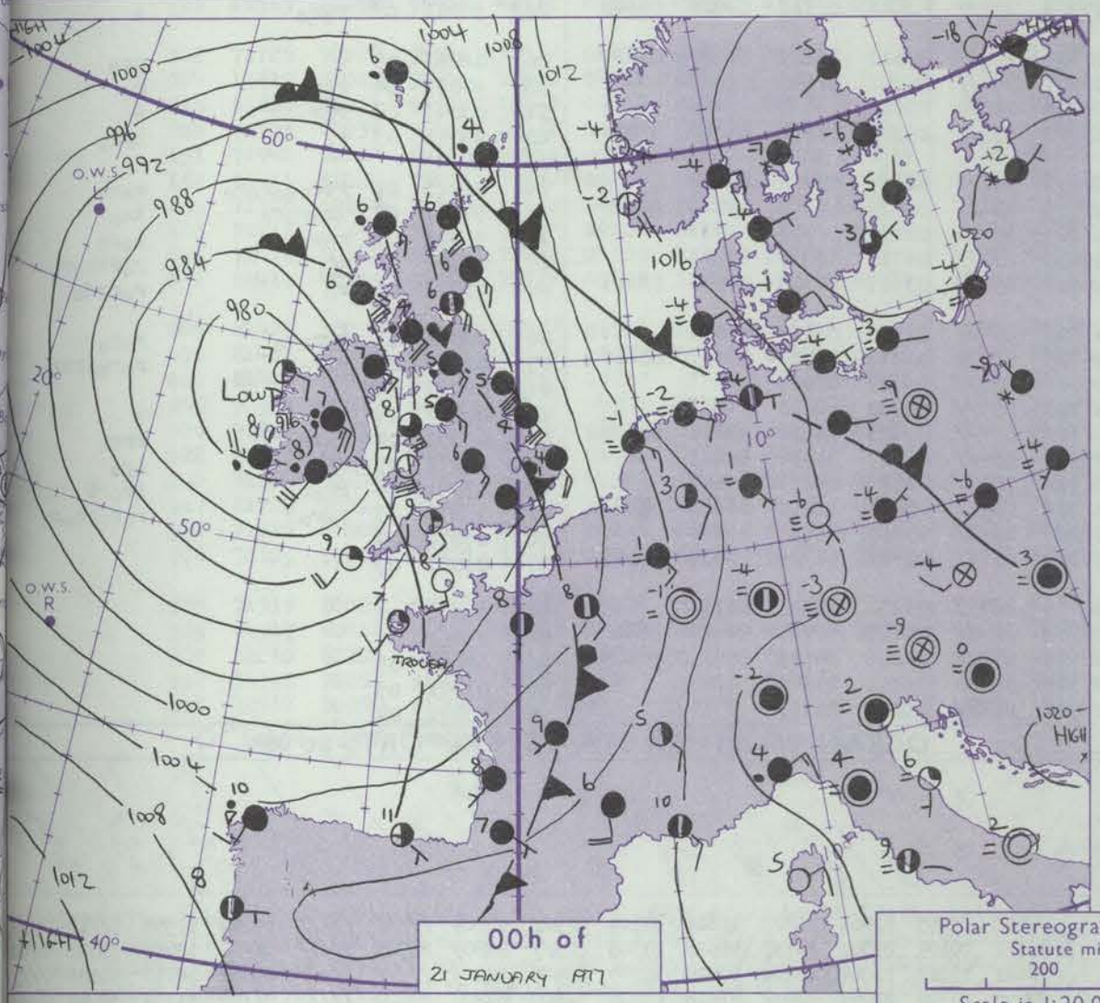
Pskov
Smolensk
Moskva
Kursk
Har'kov
Kiev
Dnepropetrovsk
Donetsk







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 21 JANUARY 1977

During the past 24 hours a low 250 miles south of Ireland has moved slowly northwards and absorbed another low to the northwest of Ireland. An associated front moved northeastwards across most areas of the British Isles. Pressure remained high over eastern Europe. During the next 24 hours the depression will become slow-moving to the northwest of Ireland and begin to fill, keeping the British Isles in an unstable southwesterly airstream. A new low forming in mid-Atlantic is expected to move quickly eastwards to be about 250 miles southwest of the Scilly Isles.

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

OBSERVATIONS at 00h. — 21 JANUARY 1977

Code FM II.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	81816	58056	97807	862//	06103	88705		
Hurn	862	51713	60016	98408	55400	07110	85618		
Manston	797	81715	62602	02105	855//	03709	85620	88650	
Gatwick	776	81609	35626	00606	6722/	06303	83705	86707	88540
Kew	775								
Heathrow	772	81408	50616	99906	872//	06702	82705	88712	
Honington	586	81312	60022	01705	853//	03709	87708	88657	
Wattisham	590	81316	45052	02004	853//	03810	82706	85708	88618
Gorleston	497	81520	62022	03804	855//	03706	88620		
Aberporth	502	11530	65016	88807	15700	04709	81656		
Filton	628	71708	60216	96208	755//	06004	87621		
Rhoose	715	51514	80016	94907	38401	04006	83818	84075	
Hartland Point	703	11928	74020	91408	15500	05306	81625		
Mount Batten	827	42022	66251	94609	48500	06213	82820		
St. Mawgan	817	72018	62818	52408	784//	05218	85815	85625	
Scilly	804	22019	62028	91209	25500	08219	82628		
Culdrose	809	21919	60258	92808	22500	07216	82820		
Guernsey	894	01715	72021	99108	00900	06115			
Elmdon	534	81414	59215	97506	873//	04803	85708	88710	
Cardington	559	81210	65022	00005	854//	04605	83715	86617	88641
Wittering	462	81316	59212	99805	863//	03809	85707	88709	
Watnall	354	81314	58616	98304	872//	03710	82705	88707	
Shawbury	414	81413	58216	94906	872//	05608	86705	88708	
Finningley	360	81415	40042	99504	863//	03707	88709		
Spurn Point	396	81430	60022	01904	856//	03504	88630		
Leeming	257	81312	40042	99504	863//	02809	88708		
Tynemouth	262	81528	61022	00205	855//	04706	88625		
Carlisle	222	81417	56616	97005	854//	03000	82713	86618	88640
Valley	302	61324	70031	90308	655//	03610	86628		
Ringway	334	81418	57616	96706	854//	03706	82712	88616	
Squires Gate	318	81215	60216	95105	853//	04707	81709	88614	
Ronaldsway	204	71225	58036	91406	763//	05606	83708	87711	
Mull of Galloway	131	81638	60026	90405	856//	04005	88630		
Eskdalemuir	162	81115	50696	97203	873//	01803	85706	88708	
Prestwick	135	81322	58616	93804	7552/	02802	81620	87645	88459
Abbotsinch	140	80816	58042	95205	854//	02806	83618	85630	88650
Leuchars	171	71320	62022	99306	753//	03703	85709	87615	
Dyce	091	81317	50052	01706	853//	03802	82708	86710	88616
Lerwick	005	81624	56616	06404	872//	03108	85705	88707	
Wick	075	81525	58052	00706	853//	04803	83708	85713	88620
Sule Skerry	010	51429	64016	98807	55500	06207	85625		
Cape Wrath	049	81424	70022	95605	865//	03201	88720		
Stornoway	026	81213	65602	94706	854//	03703	81711	84618	88628
Benbecula	022	81218	56636	92606	854//	04000	83710	88615	
Tiree	100	81331	62216	90906	854//	04707	88614		
Aldergrove	917	81218	57026	88407	853//	04808	81708	84711	87615
Malin	980	81138	70206	86307	4642/	05507	84716	88458	
Belmullet	976	31011	70016	79307	38400	05506	81716		
Birr	965	81324	56586	77307	863//	05736	86709	88714	
Dublin	969	81327	62605	83808	854//	05725	84712	86623	
Shannon	962	81009	62516	74707	863//	06627	83707	85710	86715
Roches Point	952	82128	60615	77108	873//	06313	84708	88630	
Valentia	953	82825	58615	77808	863//	06325	88708		

OBSERVATIONS at 06h. — 21 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	71816	62021	99307	763//	06304	83709	87711	
Hurn	862	41815	65011	99908	45500	06309	84620		
Manston	797	51912	65036	03507	48432	06308	81815	84656	
Gatwick	776	31912	62036	01307	36400	06202	83713		
Kew	775	71406	62026	01107	764//	05203	87715		
Heathrow	772	61710	60036	00907	654//	06202	84618	83640	
Honington	586	11612	40106	01705	15500	05301	81620		
Wattisham	590	11612	35106	02305	15400	05204	81617		
Gorleston	497	81712	60216	03105	865//	04400	88720		
Aberporth	502	81820	62218	92407	854//	05120	81714	88618	
Filton	628	31810	64018	97507	38400	05303	81814	83623	
Rhoose	715	71813	80031	96607	784//	04007	81815	87632	
Hartland Point	703	62520	74251	94807	2251/	05211	82820	86460	
Mount Batten	827	42218	65258	96508	48400	07207	82818	83635	
St. Mawgan	817	41916	70038	95208	42400	06110	84815		
Scilly	804	22016	82028	94609	22500	07112	82821		
Culdrose	809	12116	57018	95808	11500	07209	81820		
Guernsey	894	11817	78028	01007	15700	06209	81856		
Elmdon	534	71411	57806	98006	784//	05301	83816	87639	
Cardington	559	71412	60036	00306	756//	05001	83633	87648	
Wittering	462	71511	17106	00105	751//	04302	83702	87620	
Watnall	354	21510	56056	98105	25500	04801	82625		
Shawbury	414	81611	58601	95407	873//	06001	83709	88712	
Finningley	360	81410	35106	98905	852//	04502	83705	86711	88618
Spurn Point	396	81420	58026	00004	856//	04813	88630		
Leeming	257	81314	15206	98004	861//	04707	88702		
Tynemouth	262	81630	61026	97705	855//	04716	88620		
Carlisle	222	71516	62026	95006	754//	03813	81712	84628	86643
Valley	302	71735	70031	90908	784//	05313	82817	84820	87630
Ringway	334	71614	60216	96507	756//	04702	87640		
Squires Gate	318	01417	58046	94606	00900	05501			
Ronaldsway	204	81627	60212	89708	853//	05307	81708	83618	87622
Mull of Galloway	131								
Eskdalemuir	162	81210	58027	94603	862//	01813	82705	88709	
Prestwick	135	71220	65036	90405	754//	03721	81618	83622	85640
Abbotsinch	140	31017	60016	92205	35400	03623	81712		
Leuchars	171	81320	62216	96805	863//	04710	82707	88709	
Dyce	091	81319	50626	99605	853//	03615	81708	86710	88615
Lerwick	005	81424	58022	06404	854//	02706	82710	88614	
Wick	075	81524	60216	99705	854//	03712	82710	84713	88616
Sule Skerry	010	81440	66022	98006	855//	06717	88625		
Cape Wrath	049	80524	80022	93705	855//	02730	88620		
Stornoway	026	81120	66216	91606	854//	03824	82710	85618	88630
Benbecula	022	81216	70026	89606	854//	02717	81616	88625	
Tiree	100	71134	65012	86106	754//	04736	84617	87627	
Aldergrove	917	81525	58616	82907	854//	05514	83713	86616	88626
Malin	980	81237	70218	78307	6642/	05655	86713	88458	
Belmullet	976	72205	75018	77106	6547/	05506	82719	85638	85359
Birr	965	82022	58615	82307	864//	06252	85710	88714	
Dublin	969	81926	75606	84708	854//	04127	82716	84627	88650
Shannon	962	82219	50586	82907	6742/	06256	84713	85716	88525
Roches Point	952	51921	75036	87608	55600	06232	85640		
Valentia	953	82412	58616	85707	864//	06228	88717		

OBSERVATIONS during NIGHT

Station	iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–0
Boscombe Down	746	93061	05	$dr_do_-r_o$	+
Hurn	862	00071	05	+	+
Manston	797	94041	02	$ir_or_or_o$	r_o
Gatwick	776	02061	03	r_or_or	+
Kew	775	93071	05	r_o-r_or_or	+
Heathrow	772	94061	04	r_or	+
Honington	586	01041	02	r_or_o	+
Wattisham	590	01041	02	d_or_or	r_o
Gorleston	497				
Aberporth	502	97061	05	pr_oir_o	ir_o
Filton	628	95071	04	d_o-d_or_o	pr_oprpr_o
Rhoose	715	93061	04	ir_orr_o	+
Hartland Point	703	97061	05		
Mount Batten	827	03071	05	$prpr_o$	pr_opHR
St. Mawgan	817	95051	03	pr	+
Scilly	804	02072	06	rr	pr
Culdrose	809	91071	06	pr_o	+
Guernsey	894	97071	05	+	pr_o
Elmdon	534	02051	03	$d_or_or_or_oir_o$	pr_oprpr_o
Cardington	559	91041	01	ir_o	ir_o
Wittering	462	92031	03	$r_or_od_or_o$	+
Watnall	354	01041	02	r_or	pr_o
Shawbury	414	96051	04	$r_or_od_or_od_or_o$	r_or
Finningley	360	01041	03	$d_or_od_rd_or_o$	ir_opr_o
Spurn Point	396			id_o	r_o-pr_o
Leeming	257	01031	03	r_o	$d_or_od_o$
Tynemouth	262	01051	04	id_o	id_orr
Carlisle	222	96041	02	r_or_o	+
Valley	302	02061	05	+	pr_o
Ringway	334	94051	04	r_or_o	r_o
Squires Gate	318	02041	04	r_or	+
Ronaldsway	204	96061	05	r_o	Rpr_o
Mull of Galloway	131				
Eskdalemuir	162	02025	00	$rsr_os_or_or_o$	r_or_o
Prestwick	135	94031	03	$ir_or_or_o$	ir_o
Abbotsinch	140	93041	03	r_or_o	r_or_o
Leuchars	171	04041	02	+	$r_orRr_or_o$
Dyce	091	05042	03	r_o	r_orrd_o
Lerwick	005	03031	03	rrr_or_o	r_or_o
Wick	075	01041	03	r_or_o	$r_or_oir_ir_o$
Sule Skerry	010	00051	04		
Cape Wrath	049	00041	04	+	+
Stornoway	026	03051	04	r_oir_or	rrr_o
Benbecula	022	06061	05	rr	ir_o
Tiree	100	03051	04	rr_or	ir_oR
Aldergrove	917	10072	05	r_or_o	$r_or_or_or_or_o$
Malin	980	07072	04		
Belmullet	976	01061	05		
Birr	965	02071	06		
Dublin	969	03061	04		
Shannon	962	02061	05		
Roches Point	952	01071	05		
Valentia	953	13041	04		

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	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	21001	81215	98022	94306	4557/	00780	/////	/////	00004	10590	3//06	/////
L	99571	70199	21004	63630	97258	90908	624//	11818	86815	/////	0//04	10971	30909	09806
M	99660	10019	21004	70208	97251	14502	79400	00203	/////	/////	05902	10695	30101	/////
R	99467	70164	21004	22930	97258	99810	22500	00109	82820	/////	0//10	11144	30910	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$ITwTwTwT$	$3P_wP_wH_wH_w$
C	99527	70355	21061	81221	97616	81104	8742/	00764	/////	/////	05204	10598	3//13
L	99572	70199	21064	80137	96608	87508	873//	81809	88705	/////	0//06	10962	31010
M	99661	10017	21064	40904	97028	15304	49400	00205	/////	/////	05651	10711	30101
R	99468	70166	21064	52927	97818	01310	52500	61208	85820	/////	0//09	11151	30910

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue SATURDAY 22 JANUARY 1977

OBSERVATIONS at 12h. 21 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{dapp}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
nbe Down	746	71815	70258	02208	783//	06215	82709	84812	
	862	51717	62011	02709	38401	07020	81712	85070	
on	797	71815	57051	05509	11471	07110	81710	86075	
ck	776	72116	70021	04109	684/2	07113	86813	84075	
	775	72009	70022	03609	784//	06112	85813	86620	
row	772	72014	68022	03509	784/1	06212	84816	86623	
ington	586	81511	59031	03908	885//	06107	82820	88630	
sham	590	71715	60011	04108	756//	07007	87632		
ston	497	41818	48101	05407	45500	05208	84625		
orth	502	71821	75038	95708	784//	05111	86812	87640	
	628	72017	50818	00108	793//	05112	83708	87915	
e	715	51506	68151	99809	59431	06116	81710	81915	83630
nd Point	703	52220	74031	97509	3943/	06109	81915	83820	
Batten	827	32118	70258	99810	39440	07117	81718	81925	
wgan	817	62013	80258	98507	69400	04017	81814	86916	
	804	31920	80278	97209	32500	08012	83820		
ose	809	62017	62278	98909	69300	09116	83709	83915	
sey	894	21818	78030	04009	11402	07115	81812		
n	534	71710	64252	00507	784//	06012	82710	85814	87645
ington	559	71710	70606	02708	755//	06109	86620	87630	
ring	462	71714	65031	02107	784//	06109	84818	87634	
all	354	71813	60801	00408	7843/	06008	81711	84815	85625
bury	414	41912	75016	98309	48400	06111	81814	84620	
ngley	360	31712	64028	00308	28401	06107	81814		
Point	396	41715	59018	02107	45600	05005	84630		
ing	257	81512	35046	99206	863//	05108	83706	88707	
mouth	262	61816	23052	99006	656//	05103	86630		
le	222	61713	62258	95408	48532	05102	82822	83630	85070
y	302	71726	70028	94908	785//	06116	81822	86635	
way	334	11817	58011	98509	18400	04011	81815		
es Gate	318	61615	65011	96509	18442	06008	81818	86070	
ldsway	204	71725	62038	93008	684/2	06117	82713	83818	86073
of Galloway	131	71940	80022	89908	58501	07215	82825	84630	86075
alemuir	162	71411	58022	95405	754//	03212	82710	84714	87632
twick	135	71518	62256	91508	784/2	04008	81615	83820	86630
otsinch	140	71211	65256	92307	7842/	04004	81712	83818	86626
hars	171	71426	50042	95506	784/2	04808	82810	86650	
	091	81417	40206	97006	872//	05812	81704	87706	88710
wick	005	81428	58026	04404	854//	01711	85710	88620	
k	075	81428	59056	96105	853//	03724	83708	86614	88625
Skerry	010	81440	58022	95506	5547/	06712	83715	85625	88460
e Wrath	049	70924	80012	91205	765//	04731	87720		
ynoway	026	71219	70011	88307	4547/	03819	81615	84630	85462
becula	022	81228	61606	84407	854//	04720	85614	88620	
e	100	81634	50606	83707	6522/	07303	82704	83610	86621
ergrove	917	81725	75216	87808	7542/	04124	82617	86620	88460
n	980	71725	68506	83308	763//	06126	86709	87623	
nullet	976	72109	77011	83108	6343/	07228	81718	85637	81920
	965	71916	80026	89408	784/2	05134	83716	85638	
lin	969	61917	80016	90609	36432	04124	82714	83360	85070
nnon	962	72010	82806	89209	784//	05128	83818	85630	
thes Point	952	31912	70258	91409	33402	07117	82818	81918	
ntia	953	72510	80258	90208	735//	06123	87922		

OBSERVATIONS at 18h. 21 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{dapp}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	41714	75018	01607	48400	05807	82810	83632	
862	11712	60021	02208	19500	06707	81920		
797	71711	60022	05908	584/2	06201	83817	83642	
776	51808	64018	04308	58500	06400	82822	84628	
775	11809	75018	03608	15401	05101	81618		
772	31708	65018	03609	28402	06201	81817		
586	21411	57011	03707	25500	05301	82620		
590	61713	62012	04507	685//	05303	82820	85630	
497	81820	60031	05406	8092/	05500	88460		
502	71718	65258	94107	794//	05712	87910		
628	71615	60808	99708	793//	06804	83708	87915	
715	71410	68038	98307	39406	04811	82816	82918	86272
703	71928	66258	95107	785//	06720	82820	87635	
827	72030	60808	97308	794//	07620	82712	84915	87626
817	82123	60611	94508	853//	07726	82708	85710	88620
804	42521	70028	96609	48400	07322	83815		
809	62321	59258	96308	69300	08510	83709	82915	
894	31914	81011	03608	38502	06604	82820		
534	31508	65028	00305	25503	04400	82626		
559	31711	62026	02707	18501	05500	81820		
462	61712	75258	01906	38403	05000	82818	84072	
354	31810	58058	00506	38500	04204	81820		
414	31607	80011	98306	29433	04000	81915		
360	41810	65151	99905	38462	03501	81818	83645	
396	81515	63505	01806	7547/	05303	84710	87630	88360
257	61510	40041	98507	654//	05804	83616	86629	
262	21622	56021	97307	20940	05813	82358		
222	71711	62252	95307	785//	04801	82822	84625	87635
302	31724	80031	94307	39400	05704	81915	83635	
334	11712	65011	98607	15701	04303	81650		
318	61512	65031	96807	58501	05301	81820	83650	
204	31719	62258	93507	39400	05101	81711	81917	
131	81935	70032	91107	6561/	06111	86630	88460	
162	81412	65028	94905	884//	03501	82711	88635	
135	71816	62802	91508	784//	05304	81714	83820	86640
140	61717	70258	91207	68501	04704	81822	85656	
171	61516	58042	94205	25632	03506	82630	86070	
091	81512	35056	95406	863//	05709	83706	88708	
005	81528	30616	00204	872//	03722	84704	88706	
075	81423	50052	92506	863//	05722	85708	88712	
010	81433	64022	91107	864//	07714	88715		
049	70924	80022	87906	755//	04718	87620		
026	81619	62606	86307	7542/	05602	83710	86625	88459
022	71713	65816	83707	784//	06306	82710	84816	85623
100	71926	66016	85607	754//	07313	86711	87618	
917	71614	81012	90007	6567/	05211	81632	85638	
980	81826	65586	86207	863//	06216	82709	85715	88628
976	52015	68808	85708	534//	05109	81717	83920	82920
965	61906	80018	91106	685//	05310	83820	84636	
969	51909	75012	91707	555/1	03209	85628		
962	11906	80018	90806	18500	04208	81820		
952	12108	70018	92206	19400	05207	81918		
953	11906	81018	91807	12500	04208	81822		

OBSERVATIONS during DAY

iii	RRT T E x x	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	01081	003	pr○	pr○pr
862	97091	016	+	d○
797	00091	019	+	+
776	97091	011	+	pr○
775	97101	010	+	pr○
772	97101	005	+	pr○
586	00091	011	+	+
590	00091	012	+	+
497		031		
502	01081	011	pr○	pr○prr○r○d○r○
628	03101	034	pr	pR
715	92101	046	pr○	pr○lpr○
703	01092	049		
827	03111	048	■pr○	pr○pRprpr○
817	03101	027	pr○pr	rr○r○
804	03112	021	prh	pr○pr
809	03101	010	ph○rr	prpr○
894	97101	070	+	pr○
534	94091	029	pr○	pr○
559	97101	014	ir○	+
462	01091	015	+	pr○prpr○
354	92091	010	pr○	pr○
414	93091	039	jp	pr○pr
360	00091	030	+	jp
396			+	id○
257	97081	007	r○	pr○
262	00071		+	+
222	94091	022	pr○	pr○
302	01071	042	+	pr○
334	00091	045	jp	jp
318	00101	041	+	+
204	01091	007	pr○	pr○pr
131	01081			
162	91055	000	pr○	pr○
135	97091	002	pr○	pr○
140	91081	000	ir○pr○	ir○pr○
171	00061	002	+	+
091	93071	000	id○id○r○	rr○
005	02052	000	r○r○	r○r○
075	97071	000	+	d○r○
010	95072			
049	00071	000	+	+
026	03081	001	r○	ir○r○r○r
022	05081	000	rrr○r○rr	prpr○
100	06081	000	Rrir○dr	ir○r
917	92091	000	r○-r○r○-r○	pr○
980	0108	000		
976	0109	001		
965	0210	020		
969	9710	013		
962	9110	015		
952	0109	033		
953	0410	026		

OCEAN WEATHER STATION REPORTS at 12h.

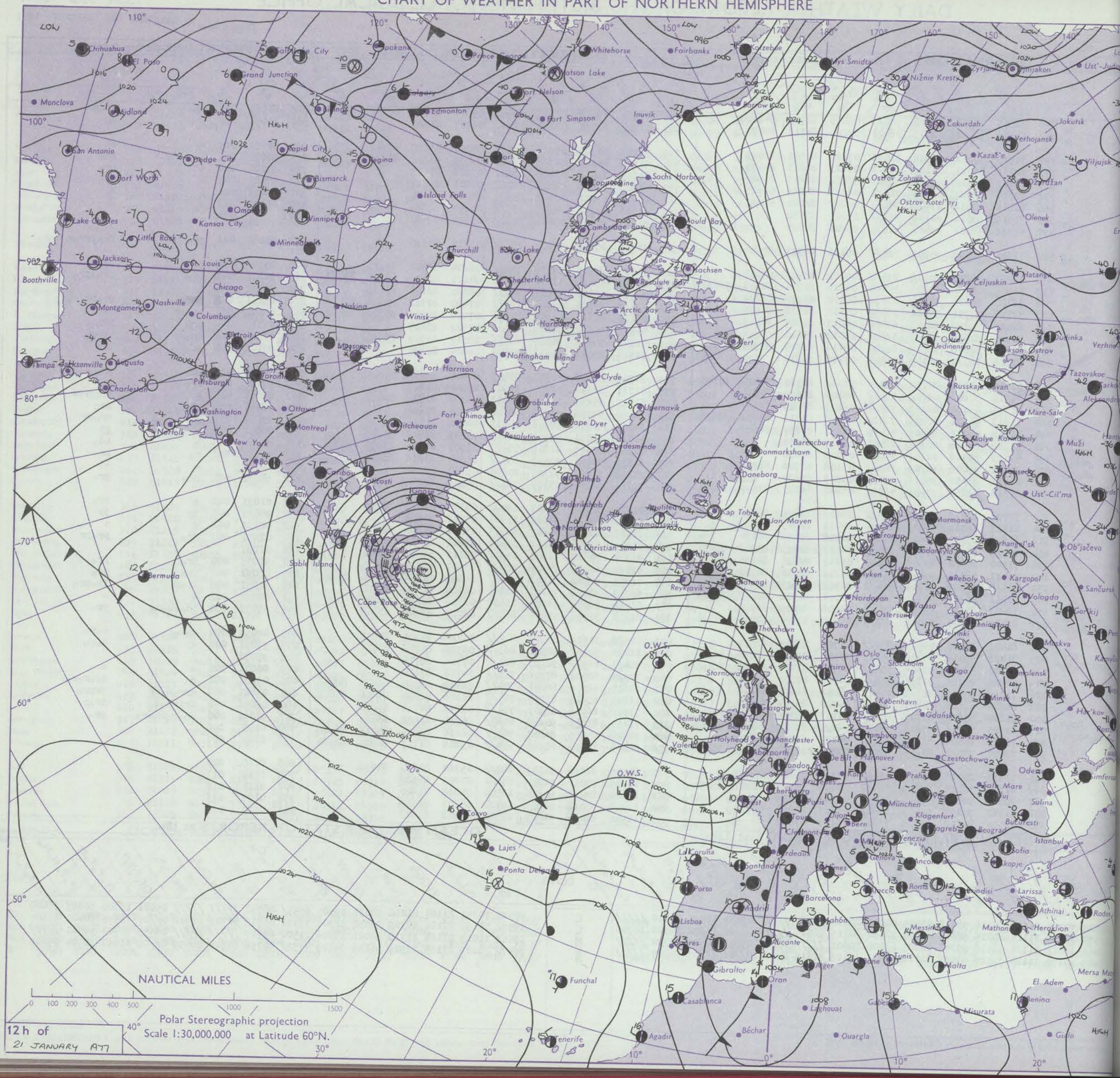
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	21121	02316	98018	83505	00900	00332	/////	/////	05251	10591	31110	/////
	99572	70199	21124	40215	98016	85908	22460	00715	82815	/////	0//06	10952	30908	34906
	99661	10018	21124	62116	97141	14803	69400	00802	/////	/////	05750	10707	30302	/////
	99469	70170	21124	72517	97038	02110	28476	00103	81815	84460	0//01	11167	30907	/////

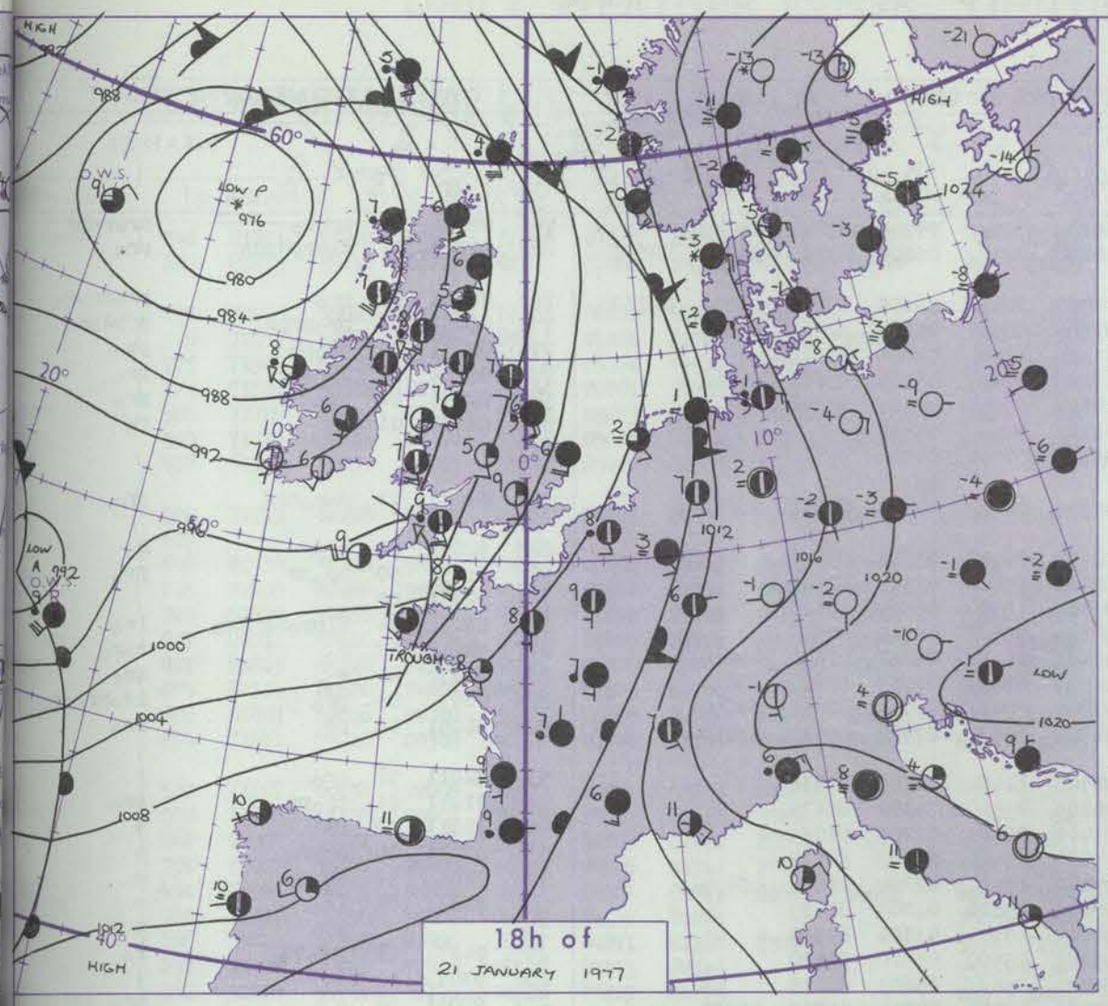
OCEAN WEATHER STATION REPORTS at 18h.

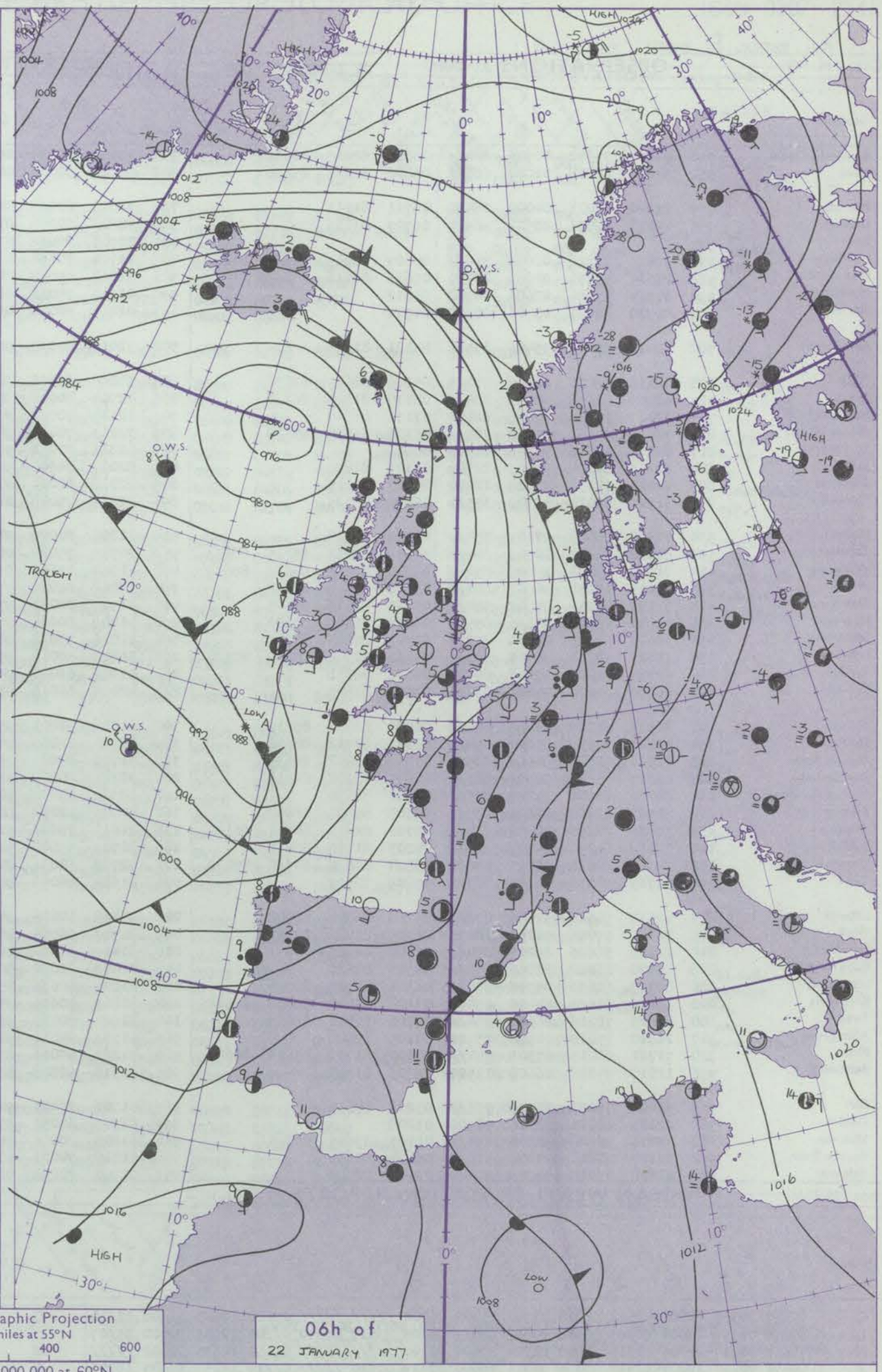
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	21181	81210	98031	79505	6555/	00752	/////	/////	05001	10608	30403	25409
L	99572	70199	21184	60309	98258	82908	39332	81615	81709	82912	0//07	10976	30401	35807
M	99662	10019	21184	21710	98021	13804	21500	00707	/////	/////	05555	10703	30301	/////
R	99470	70169	21184	81929	96616	94009	4732/	00756	84808	88459	0//09	11163	30504	29005

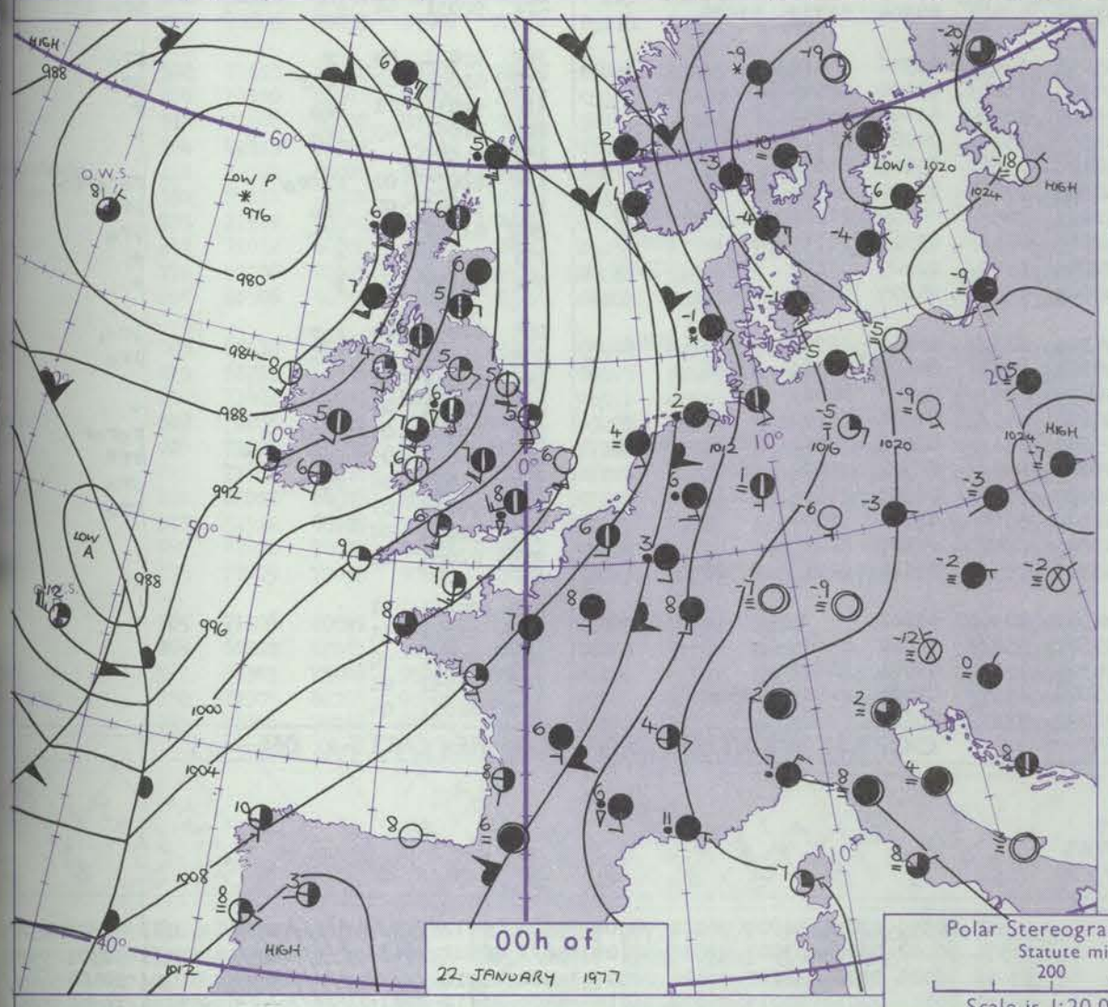
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


Chihuahua
El Paso
Monclova
Midland
San Antonio
Fort Worth
Lake Charles
Jackson
Boothville
Tampa
Jacksonville
Augusta
Charleston
Montgomery
Nashville
Columbus
Little Rock
Kansas City
Grand Junction
Salt Lake City
Pueblo
Dodge City
Rapid City
Bismarck
Omaha
Minneapolis
St. Louis
Chicago
Detroit
Pittsburgh
Washington
Norfolk
New York
Baltimore
Toronto
Ottawa
Montreal
Caribou
Anticosti
Sable Island
Bermuda
Spokane
Calgary
Edmonton
Regina
Winnipeg
Thunder Bay
Moosonee
Nakina
Winisk
Churchill
Port Harrison
Nottingham Island
Fort Chimo
Resolution
Hopedale
Hatson Lake
Whitehorse
Prince George
Fort Nelson
Fort Simpson
Island Falls
Coppermine
Cambridge Bay
Resolute Bay
Arctic Bay
Clyde
Frobisher
Cape Dyer
Ivujivik
Inuvik
Sachs Harbour
Mould Bay
Isachsen
Eureka
Alert
Thule
Nord
Fairbanks
Barrow
Kotzebue
Mys Šmidta
Nižnie Kresty
Čokurdah
Zyrjanka
Oimjakon
Ust'-Judoma
Jakutsk
Verhojansk
Kazač'e
Viljujsk
Ostrov Zohova
Ostrov Kotel'nyj
Olenek
Mys Celjuskin
Tiksi
Ostrov Jedinenija
Russkaja Gavan'
Tazovskoe
Mare-Sale
Molye Kamakuly
Ust'-Cil'ma
Ob"jačevo
Murmansk
Arhangel'sk
Reboly
Kargopol'
Vologda
Sančursk
Gor'kij
Nordøyan
Ostersund
Vyborg
Helsinki
Oslo
Stockholm
København
Moskva
Minsk
Smolensk
Gdańsk
Warszawa
Kiev
Har'kov
Rostov
Czestochowa
Praha
Hannover
De Bilt
Köln
Berlin
Odesa
Salo Mare
Sulina
Simferopol'
Tuapse
München
Klagenfurt
Beograd
Bucuresti
Istanbul
Sofia
Skopje
Venezia
Genova
Ancona
Roma
Brindisi
Larissa
Athinai
Rodos
Heraklion
Mathon
Messina
Malta
Tunis
Alger
Oran
Alicante
Gibraltor
Casablanca
Agadir
Tenerife
Funchal
Lajes
Ponta Delgada
Terceira
Porto
Lisboa
Madrid
Barcelona
Palma
Santander
Bordeaux
Toulouse
Clermont-Ferrand
Paris
Dijon
Bern
Cherbourg
Brest
Valentia
Holyhead
Aberporth
Manchester
Glasgow
Belmullet
London
Stornoway
Lerwick
Thorshavn
Reykjavik
Narsarssuaq
Ingmarssalik
Kap Tobin
Jan Mayen
Frederikshab
Godthab
Sukkertoppen
Christianshaab
Egedesminde
Umanak
Upernavik
Thule
Danmarkshavn
Barentsburg
Tromsø
Bodø
Narvik
Lerwick
Aalesund
Bergen
Trondheim
Ona
Nordøyan
Ostersund
Vaasa
Reboly
Hyborg
Helsinki
Oslo
Stockholm
København
Gdańsk
Warszawa
Hannover
De Bilt
Köln
Berlin
Praha







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 22 JANUARY 1977

During the past 24 hours a depression to the northwest of Ireland has moved slowly northwest, and the associated occluded fronts have moved northeastwards over northern and eastern districts into the North Sea. A depression has formed some 500 miles west of Ireland, and moved eastwards into the Southwest Approaches.

During the next 24 hours the depression in the Southwest Approaches is expected to turn northeastwards across Wales and northern England without appreciable deepening. The depression to the northwest of Ireland is expected to move slowly westwards.

Code FM II.V

OBSERVATIONS at 00h. 22 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	62215	75258	00906	684//	04305	82815	86626	
Hurn	862	62015	60808	01008	685//	06802	83825	85638	
Manston	797	21920	64021	04008	28400	06711	81711		
Gatwick	776	42117	62031	02508	48400	06707	83615		
Kew	775								
Heathrow	772	72416	50818	02008	784//	05607	83815	84620	87641
Honington	586	21614	50051	01906	25400	05613	82616		
Wattisham	590	01714	57051	02606	00900	05812			
Gorleston	497	01720	60021	03706	00900	04712			
Aberporth	502	12412	67256	95406	15500	05121	81625		
Filton	628	42110	65028	98807	25411	05306	82615	83072	
Rhoose	715	62309	81258	98407	684//	05117	81816	86628	
Hartland Point	703	62423	80036	97708	62400	07131	86817		
Mount Batten	827	72413	60259	99708	785//	06106	85824	85638	
St. Mawgan	817	02011	70016	98906	00900	05006			
Scilly	804	22211	80021	99509	22500	06107	82820		
Culdrose	809	12214	62158	99908	12400	07107	81815		
Guernsey	894	31917	80018	03707	35530	06400	83625		
Elmdon	534	71918	80028	97107	754//	05514	87618		
Cardington	559	82022	62811	00906	884//	04509	83712	85815	88633
Wittering	462	81720	65601	99406	854//	05717	82614	84626	88647
Watnall	354	81615	65258	96807	884//	05726	84814	88632	
Shawbury	414	72113	65258	94907	784//	05515	82816	87625	
Finningley	360	81413	40606	97106	855//	04825	85624	88650	
Spurn Point	396	31618	65035	00105	25670	04713	82635	83360	
Leeming	257	71411	30808	96705	782//	04818	82705	85809	87624
Tynemouth	262	61715	61021	97006	6097/	04606	86358		
Carlisle	222	31308	62038	94205	25601	04809	82645		
Valley	302	61916	62258	93807	683//	06000	82706	85815	
Ringway	334	81717	57638	95007	854//	05727	82712	88618	
Squires Gate	318	71510	62808	94106	785//	05717	83822	86635	
Ronaldsway	204	61817	68258	92807	683//	06605	83708	84818	
Mull of Galloway	131	82030	60606	91207	856//	06502	88630		
Eskdalemuir	162	71508	62808	94104	785//	03506	85825	86642	
Prestwick	135	71810	70258	92006	784//	04701	82818	84631	86642
Abbotsinch	140	71410	65258	91707	784//	04203	81715	86628	
Leuchars	171	70910	60031	93905	45632	03804	84630	84360	87070
Dyce	091	81715	30056	94106	863//	05809	88707		
Lerwick	005	81624	50616	97005	872//	05718	85704	88708	
Wick	075	71619	57056	91206	2647/	05705	82712	87359	
Sule Skerry	010	81428	58606	89207	874//	06604	88715		
Cape Wrath	049	80920	82022	86806	855//	05304	88620		
Stornoway	026	81723	60636	85706	854//	06301	82710	88625	
Benbecula	022	81816	61636	84406	854//	05206	83710	85616	88624
Tiree	100	81825	70216	86607	854//	06102	82712	88629	
Aldergrove	917	21810	75018	90904	25500	03105	82620		
Malin	980	71721	80015	87306	754//	04000	83718	83636	86650
Belmullet	976	12017	75018	86608	13500	06203	81920		
Birr	965	72008	75031	92205	756//	03202	87633		
Dublin	969	02107	80021	92506	00900	03208			
Shannon	962	72010	70606	92206	755//	04103	83625	87640	
Roches Point	952	52107	70021	94406	556//	05104	85639		
Valentia	953	21808	75018	92907	22500	03002	82822		

OBSERVATIONS at 06h. 22 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	72114	70808	00105	785//	04704	83820	86642	
862	82011	60808	00408	883//	06804	83707	85813	88631
797	72015	62028	02407	6847/	06805	85711	84645	87360
776	42207	70258	01605	48500	05604	82822	83650	
775	21705	70038	01105	15440	04605	81618		
772	61704	70038	01005	654//	05502	83616	84656	
586	51812	65018	00405	50930	04505	85359		
590	01910	75016	01105	00900	04504			
497	01812	60016	01106	00900	04708			
502	72010	81038	96305	784//	04301	82818	86644	
628	31808	65016	98904	00901	03803	83072		
715	11707	80018	98804	15600	03501	81640		
703	12115	70028	97406	12500	05807	81820		
827	72213	70028	98309	756//	07710	87647		
817	81811	70031	97406	2557/	05811	82620	88460	
804	82007	74606	96907	885//	07719	85820	88630	
809	82012	66021	97808	884//	07714	82815	88650	
894	81814	75028	01908	855//	07712	85620	87650	
534	11806	80028	98703	11402	02205	81815		
559	21710	75028	00205	25500	04302	82625		
462	11910	75016	99403	00901	02202	81075		
354	12012	68028	97604	15500	03206	81625		
414	31904	80031	97004	12501	02204	81822	83075	
360	11909	80026	97005	15600	03209	81635		
396	11816	75028	98005	10970	03304	81360		
257	31809	50018	95205	35500	03310	83620		
262	61906	61028	94305	656//	05603	86635		
222	42005	65018	93405	48401	04304	81712	83820	
302	61816	70801	95006	624//	05306	86818		
334	21911	82258	96705	25601	03106	82645		
318	31710	65028	95104	35700	03106	83650		
204	32111	80038	93507	35402	04206	81712	83635	
131	12320	83026	92106	15600	05103	81630		
162	81805	12218	92604	870//	03802	88700		
135	71811	75038	91206	785//	04602	81822	83630	87650
140	81707	59808	91006	884//	03302	82714	83818	88624
171	72702	64031	92204	6557/	02607	83620	85630	87360
091	81614	40052	92005	853//	04607	83708	88656	
005	81418	60026	94305	853//	05610	82706	84710	88625
075	81717	56056	90205	7543/	04605	81715	87656	
010	81419	66036	88407	855//	05503	88625		
049	81409	82022	86606	855//	04601	88620		
026	81824	60636	85107	854//	06500	82710	86615	88626
022	81813	70616	85007	854//	06302	85614	88622	
100	81924	70032	86407	854//	06500	84616	88626	
917	51713	75011	91104	55600	01304	85640		
980	31821	80011	87706	38400	04305	82818		
976	72316	62808	88306	794//	05310	82717	87920	
965	01705	75021	92503	00900	02202			
969	51909	80031	93605	556//	02210	85645		
962	11608	80016	92304	15600	03001	81640		
952	51710	70031	93808	1567/	07804	81639	85459	
953	71907	70258	92007	725//	06206	87822		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–[illegible]
746	07031	51	prpr$_o$	pr$_o$r$_o$pr
862	01061	04	d$_o$prpRpr$_o$	pr$_o$
797	01061	04	pr$_o$	pr$_o$prpr$_o$
776	05051	03	pr$_o$prpR	prpRpr$_o$
775	02051	00	pr$_o$pR	pr$_o$
772	05051	02	pRr$_o$pr	pr$_o$
586	01041	02	pr$_o$	pr$_o$
590	96031	01	r$_o$	r$_o$
497				
502	01041	02	d$_o$r$_o$pr$_o$	pr$_o$
628	92031	51	pr$_o$	r$_o$
715	01031	50	pr$_o$pr	pr$_o$
703	02061	03		
827	06062	04	tlpr$_o$pRHpr$_o$	ir$_o$
817	94041	02	r$_o$	r$_o$r$_o$
804	01072	05	+	ir$_o$
809	02072	05	pr$_o$	ir$_o$rrr$_o$r$_o$
894	01061	05	pr	ir$_o$
534	92011	51	pr$_o$	+
559	01041	01	pr$_o$pr	pr$_o$
462	91011	50	r$_o$	+
354	97031	00	pr$_o$r$_o$	+
414	01031	51	pr$_o$pr	+
360	92031	01	ir$_o$r	+
396			pr$_o$	+
257	04031	00	pr$_o$r$_o$	r$_o$
262	93041	03	pr$_o$	+
222	92031	51	+	pr$_o$
302	95061	04	rr	pr$_o$
334	01041	02	pr$_o$r	pr$_o$
318	92031	01	pr$_o$	+
204	91061	03	pr$_o$	+
131	04051			
162	02035	01	prpr$_o$	r$_o$r$_o$rr$_o$f
135	97041	02	pr$_o$	pr$_o$
140	01051	03	pr$_o$	pr$_o$
171	00031	51	+	+
091	00051	03	+	+
005	02042	04	r$_o$r$_o$	pr$_o$
075	91051	04	ir$_o$	ir$_o$
010	03061	04		
049	00071	04	+	+
026	09062	05	rr$_o$rr	r$_o$r$_o$r
022	24052	05	prr$_o$r$_o$rr	rrR
100	01071	06	rr$_o$r$_o$	pr$_o$
917	97031	01	+	pr$_o$
980	91051	02		
976	02061	05		
965	97031	51		
969	97041	51		
962	97041	50		
952	97051	01		
953	01061	04		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	22001	52612	98018	77903	53400	00304	/////	/////	05500	10605	3//06	25/10
L	99570	70199	22004	60203	98018	82608	684//	00805	83817	85640	0//05	10993	30000	35907
M	99662	10019	22004	21315	98020	12304	25400	00707	/////	/////	05451	10675	30402	/////
R	99471	70167	22004	32937	97036	91411	38400	00319	81810	/////	0//10	11157	30605	19705

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$
C	99527	70355	22061	31809	98011	78704	32500	00712	/////	/////	05451	10612	3//03
L	99571	70202	22064	83007	97038	82108	856//	00602	88635	/////	0//05	10961	30301
M	99662	10020	22064	31221	97020	08804	39400	41710	/////	/////	05550	10706	30504
R	99471	70169	22064	23017	97028	96010	22400	61114	82815	/////	0//09	11154	30708

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

H.M.S.O. Press

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue SUNDAY 23 JANUARY 1977

OBSERVATIONS at 12h. 22 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
be Down	746	81811	59608	99807	7722/	07802	85704	85707	88459
	862	81813	58618	00208	6732/	07802	85706	86707	88540
	797	72015	60028	02708	783//	06001	83708	85811	
	776	72112	57588	01508	6537/	07001	82707	84712	85650
	775	71909	65028	01208	754//	06101	82710	87630	
ow	772	71806	62608	01108	754//	06001	82711	87628	
gton	586	71708	62021	01207	65372	05003	82707	86640	
ham	590	71810	62601	01607	5527/	05004	82704	83618	87460
on	497	62114	62031	01907	2157/	05006	82825	86358	
rth	502	71713	62218	96007	7543/	06804	84710	87625	87360
	627								
	628	81710	56636	98707	6542/	06802	81712	85618	88556
	715	81409	62606	98206	4847/	05801	81814	84626	88460
d Point	703	81810	70616	96807	6532/	07001	83708	85635	88460
Batten	827	82011	57616	97108	5822/	08805	81704	83808	88550
wgan	817	81813	65216	96208	5532/	06804	82708	84650	88459
	804	81714	60606	94408	853//	07813	84706	88618	
se	809	81408	58636	96308	853//	08805	82706	84710	88625
ey	894	71617	75216	00308	4527/	07808	81704	84630	85360
	534	71707	60031	99606	36332	05005	83708	87072	
gton	559	71810	65258	00608	784//	07002	84818	87630	
ing	462	62007	66031	00306	354/2	04107	81710	83650	86075
ll	354	72007	56041	99106	11434	04006	81810	87075	
ury	414	71906	64031	98406	11432	04107	81815	83365	86072
gley	360	41707	50040	99007	00904	04207	84075		
Point	396	31810	66030	99906	10971	04211	81360	83075	
ng	257	51406	57041	97706	58400	04115	84815		
outh	262	12010	56051	96706	00908	05213	81275		
e	222	71805	70031	95407	784//	05118	81717	87645	
	302	71613	66038	96307	11406	06006	81815	87270	
ay	334	51910	60011	98506	18542	03110	81820	85075	
s Gate	318	71608	60038	97107	58501	05111	81820	84630	85075
dsway	204	42115	75031	95108	25442	07010	81711	83073	
f Galloway	131	42322	84021	94207	28551	06215	81825	83360	
lemuir	162	81811	25104	94805	862//	04110	85703	88707	
wick	135	71909	70022	93506	744//	04116	81714	83619	85630
tsinch	140	72012	60808	92907	784//	05111	81710	83818	86640
ars	171	22107	70021	93307	18532	04210	81820		
	091	61606	56052	92806	28532	04208	82822	85070	
ck	005	81618	62218	93806	852//	05000	82703	84708	88630
	075	61715	62056	90206	38532	04003	81825	83360	85070
ikerry	010	71421	74031	89307	756//	06311	87635		
Wrath	049	71805	82022	87808	784//	05209	85818	87620	
oway	026	72022	65216	86507	5523/	07108	81705	83615	87360
cula	022	71907	72216	86608	4533/	07215	81706	83618	87362
	100	62022	64018	88809	3843/	07218	81712	83635	86360
grove	917	51912	68028	93406	15649	03115	81645	85075	
	980	51920	75031	90307	58432	04214	81714	84632	
ullet	976	71909	72038	90608	63432	06212	82718	84820	81920
	965	71506	80021	93706	756//	05005	82630	87640	
n	969	61202	45051	94308	30932	04003	83360	86070	
non	962	81303	75606	93006	6547/	06204	81710	83620	85645
es.Point	952	71505	62216	93608	7737/	07000	86709	86632	87458
ntia	953	71806	70216	92708	76202	07006	85704	85630	

OBSERVATIONS at 18h. 22 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	81312	57216	98407	6537/	06606	82706	86622	88360
862	81409	62216	98308	853//	07709	83708	88623	
797	51711	60016	01806	25331	05802	81709	83362	
776	81610	58026	00107	5542/	06805	81710	85645	88459
775	71305	62606	00007	774//	06804	87712		
772	81305	57216	99807	3547/	07805	83614	88462	
586	81508	40606	00807	6627/	06202	86705	88360	
590	71711	35206	01206	771//	06201	82702	87709	
497	81812	56028	01806	855//	04202	88620		
502	81609	62616	95806	4537/	06306	82708	84629	88459
628	81512	50586	97607	854//	07500	84712	88617	
715	81211	57616	96707	854//	06504	86612	88618	
703	81408	66606	94707	855//	06606	88620		
827	81514	57636	94508	853//	08608	83707	83711	88616
817	81414	45636	93207	872//	06607	81704	84706	88708
804	80000	56026	91409	854//	08709	84712	88618	
809	81511	57216	92709	853//	08611	84706	88618	
894	81414	56216	97207	852//	07610	82704	84706	87622
534	81407	57616	98706	6522/	06502	81705	86624	88458
559	81506	60616	00107	4561/	07400	84638	88462	
462	81611	40586	99607	853//	06400	82708	84710	88645
354	81506	40212	98706	852//	06701	84703	88624	
414	81604	30618	97606	854//	06500	83712	88616	
360	81305	56041	99005	854//	04304	82618	88645	
396	71509	58021	00005	4567/	04205	84640	87360	
257	71303	20101	98804	35452	03309	83614	83362	87075
262	32010	61050	98505	00908	04213	83275		
222	61906	70022	97105	35642	03212	81640	83656	86075
302	81607	66032	96407	856//	05205	88630		
334	81507	57022	98407	25637	04203	82640	85360	88270
318	71107	58042	97503	25778	03308	82650	84360	86070
204	71508	63011	96407	753//	06109	82709	84712	87656
131	72122	80022	95307	785//	06207	83825	87630	
162	81808	50108	96605	861//	04314	86702	88706	
135	51909	70012	95206	35532	04213	81620	83640	
140	72007	65028	94806	25432	04313	82618	86072	
171	51608	65021	95305	28502	03217	82820	85075	
091	71605	59051	94405	55442	04213	82713	84620	85072
005	81513	30606	93406	872//	06102	85704	88710	
075	81811	65216	91707	7557/	04214	82625	87650	88459
010	81613	58616	90507	5742/	06211	85715	88458	
049	81807	82515	90006	875//	06213	88720		
026	72015	62256	89207	783//	07114	81708	87614	
022	11810	74018	89607	19400	06219	81916		
100	72018	62018	91807	555/2	06216	85620		
917	71608	60022	94705	30932	04211	83360	87070	
980	71814	80216	92806	35472	05315	81714	83638	86360
976	71810	64216	92007	764//	06212	84717	86638	
965	71603	80016	94507	764//	06310	85716	87635	
969	81603	57506	94807	854//	05305	83716	86640	
962	70000	82026	94107	755//	05212	82620	86624	86635
952	70000	65216	94607	15378	07113	81709	84359	86275
953	71706	65606	94408	764//	06215	86712	85640	

OBSERVATIONS during DAY

iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	01081	000	r.r.	r.r.ir.
862	03081	000	r.Rrr.r.	r.r.d.r.d.
797	97081	000	pr.ir.	+
776	01081	000	d.r.d.r.rr.r.	r.r.
775	01091	000	pr.pr	r.r.ir.
772	95091	000	pr.r.r.	r.r.
586	91091	017	ir.	d.ir.
590	92081	011	ir.	r.d.r.
497		029		
502	01071	000	ir.	ir.r.r.
628	06081	000	r.rrdrrr	rrd.r.DR
715	03071	000	r.r.	r.r.r$V_o$$V_o$
703	04082	000		
827	10091	000	r.r.rR	Rr.rr
817	06081	000	r.r.d.r.	r.r.r
804	03092	000	rr	rr
809	08092	000	r.r.rr	r.r.rrid.ir.
894	01081	001	r.r.	r.r.
534	02071	018	r.r.	rr.r.
559	95091	005	ir.pr.	r.r.r
462	96081	020	+	r.r.d.r.ir.
354	01081	028	+	r.d.r.d.r.dr
414	01071	022	pr.	pr.r.r.
360	97071	033	+	ir.
396			+	+
257	00081	033	+	+
262	00071		+	+
222	00091	028	+	+
302	91081	017	+	r.r.
334	97091	029	+	r.
318	94081	028	pr.pr	r.
204	97091	036	+	pr.
131	00081			
162	93055	000	pr.	+
135	00081	011	+	+
140	95081	010	pr.	pr.
171	00081	047	+	+
091	00061	014	+	+
005	02062	000	pr.	ir.
075	92071	020	+	ir.
010	03072			
049	01082	012	id.	id.d.d.
026	05081	000	ir.r.r.r.	r.pr.pr
022	01081	004	rrir.pr.	pr.
100	97091	003	pr.	pr.
917	94081	028	pr.	r.-r.r.ir.
980	9707	012		
976	9409	005		
965	9708	000		
969	9209	028		
962	9409	001		
952	0208	000		
953	0109	003		

OCEAN WEATHER STATION REPORTS at 12h.

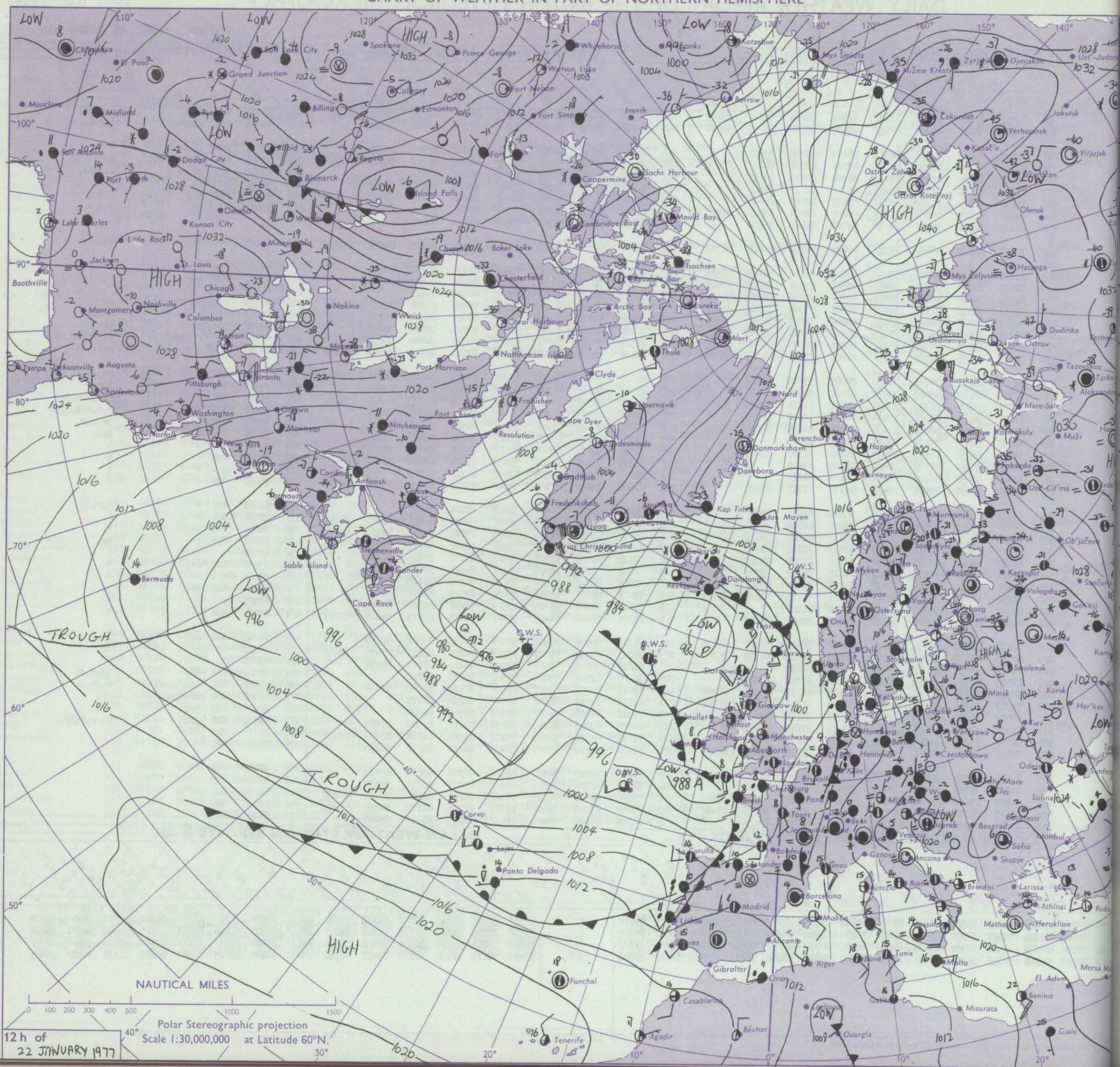
S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	22121	81709	97158	77104	4347/	00708	/////	/////	05302	10606	30403	25410
	99571	70204	22124	71503	98022	83308	6845/	00210	82816	86640	0//05	10963	30000	99/05
	99660	10020	22124	61124	97152	07404	59430	00709	/////	/////	05550	10729	30504	/////
	99472	70173	22124	62313	97011	97611	25670	00007	82640	86460	0//11	11151	30402	28806

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	22181	71807	97158	77104	43451	00500	/////	/////	05202	10597	30302	25514
L	99570	70205	22184	72710	97802	84007	783//	00205	82706	84813	0//05	10980	30501	36804
M	99661	10019	22184	80926	97028	06004	894//	00706	/////	/////	05550	10736	30706	/////
R	99471	70173	22184	62212	97031	96510	38452	00400	83815	83360	0//06	11139	30402	28805

of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE


LOW
HIGH
TROUGH
Chihuahua
El Paso
Midland
San Antonio
Fort Worth
Dodge City
Lake Charles
Jackson
Boothville
Little Rock
Kansas City
St. Louis
Omaha
Minneapolis
Chicago
Nashville
Montgomery
Columbus
Tampa
Jacksonville
Augusta
Charleston
Washington
Norfolk
Pittsburgh
Detroit
Toronto
Ottawa
Montreal
New York
Boston
Caribou
Anticosti
Yarmouth
Gaspe
Sable Island
Bermuda
Stephenville
Gander
Cape Race
Grand Junction
Rapid City
Billings
Bismarck
Winnipeg
Regina
Calgary
Edmonton
Spokane
Salt Lake City
Prince George
Whitehorse
Watson Lake
Fort Nelson
Fort Simpson
Fort Smith
Island Falls
Churchill
Baker Lake
Chesterfield
Nakina
Winisk
Moosonee
Port Harrison
Nottingham Island
Coral Harbour
Fort Chimo
Resolution
Frobisher
Nitchequon
Cape Dyer
Clyde
Thule
Arctic Bay
Eureka
Alert
Resolute Bay
Isachsen
Cambridge Bay
Coppermine
Sachs Harbour
Mould Bay
Inuvik
Barrow
Fairbanks
Kotzebue
Mys Smidta
Nižnie Kresty
Zyrjanka
Ojmjakon
Ust'-Judoma
Jakutsk
Čokurdah
Verhojansk
Kazač'e
Viljujsk
Ostrov Žohova
Ostrov Kotel'nyj
Olenek
Hatanga
Mys Željuskin
Ostrov Uedineniya
Dikson Ostrov
Dudinka
Tazovskoe
Russkaja Gavan'
Mare-Sale
Aleksandrovsk
Malye Karmakuly
Muži
Tabseda
Ust'-Cil'ma
Murmansk
Arhangel'sk
Ob'jačevo
Sosnovka
Myken
Rebolj
Kargopol
Sančursk
Vologda
Gor'kij
Leningrad
Helsinki
Moskva
Smolensk
Minsk
Kursk
Har'kov
Kiev
Warszawa
Hamburg
Berlin
Hannover
Köln
Bruxelles
Cherbourg
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Clermont-Ferrand
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Toulouse
Nimes
Genova
Venezia
Ancona
Beograd
Sofia
Skopje
Bucuresti
Cluj
Odessa
Simferopol'
Sulina
Istanbul
Larissa
Athinai
Heraklion
Rodos
Brindisi
Roma
Ajaccio
Barcelona
Madrid
Lisboa
Mahón
Alicante
Gibraltar
Oran
Alger
Tunis
Bone
Malta
Misurata
Gabès
El Adem
Benina
Mersa Matruh
Gialo
Agadir
Casablanca
Béchar
Tazhouat
Ouargla
Funchal
Tenerife
Corvo
Lajes
Ponta Delgada
Santander
La Coruña
Lerwick
Stornoway
Glasgow
Belfast
Holyhead
Aberporth
Manchester
London
Dublin
Shannon
Valentia
Kap Tobin
Jan Mayen
Danmarkshavn
Barencburg
Hopen
Bjornoya
Daneborg
Nord
Thorshavn
Reykjavik
Dalatangi
Grimsey
Akureyri
Egedesminde
Godthab
Fredrikshab
Angmagssalik
Apuitsiaq
Scoresbysund
Prins Christian Sund
Ivigtut
Sukkertoppen
Narsarssuaq
Upernavik
Kangerlussuaq
Jakobshavn
Holsteinborg
Godthaab
Freder

18h of
22 JANUARY 1977

00h of
23 JANUARY 1977

06h of
23 JANUARY 1977

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

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday SUNDAY 23 JANUARY 1977

During the past 24 hours a depression remained slow moving between Iceland and Scotland. A further depression moved eastwards from the Southwest Approaches to the English Channel, and a mild mainly southerly airstream was maintained over most districts. During the next 24 hours pressure will remain low between Scotland and Iceland. The depression in the English Channel will move northeastwards towards Denmark, whilst a further depression will move eastwards to the Bay of Biscay. The mild south or southwest airstream will be maintained over most districts.

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

Code FM 11.V

OBSERVATIONS at 00h. 23 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	81209	56616	96606	852//	06811	85703	85625	88650
Hurn	862	81107	50615	96307	852//	07711	83703	85707	88610
Manston	797	81309	30612	99406	5532/	06716	81709	84642	88458
Gatwick	776	81205	32586	98107	853//	06714	84706	88627	
Kew	775								
Heathrow	772	81004	32636	98106	852//	06714	82705	85710	88626
Honington	586	81106	40106	99505	857//	04711	88656		
Wattisham	590	71107	40102	99405	7097/	05814	87359		
Gorleston	497	31504	48101	00905	36400	04707	83715		
Aberporth	502	81607	60616	95706	854//	05000	82712	88640	
Filton	628	81107	56616	96107	854//	06709	82712	88635	
Rhoose	715	80806	40616	96106	871//	06802	81702	86705	88707
Hartland Point	703	81213	66216	94307	856//	07400	88640		
Mount Batten	827	81207	56616	94108	853//	08500	85708	88620	
St. Mawgan	817	81107	56616	93908	6722/	07107	82704	85707	88458
Scilly	804	33114	72026	96308	32400	07224	83815		
Culdrose	809	83106	58206	93808	860//	08208	81700	84702	88704
Guernsey	894	81411	70505	94608	872//	07711	87704		
Elmdon	534	81204	50606	98006	873//	05706	81708	88711	
Cardington	559	80702	40606	98805	873//	05808	85708	88711	
Wittering	462	81306	18106	99105	862//	05805	87703	88709	
Watnall	354	81305	35106	98506	872//	06803	82704	86707	88711
Shawbury	414	81102	25616	97406	5532/	06805	82707	84626	88545
Finningley	360	81303	18216	98505	852//	05803	85703	88640	
Spurn Point	396	81508	24102	99605	855//	05806	88620		
Leeming	257	92802	02474	98603	9////	03803	89///		
Tynemouth	262	92009	00454	99203	9////	03103	89/01		
Carlisle	222	40402	58021	97702	35731	01400	83650		
Valley	302	81005	60636	96706	855//	05000	85626	88645	
Ringway	334	81506	45616	98007	854//	06802	84715	88635	
Squires Gate	318	81208	40586	97206	855//	05803	84620	88641	
Ronaldsway	204	81204	70038	96407	853//	06801	81706	86712	88616
Mull of Galloway	131	81805	70028	96206	856//	06001	88630		
Eskdalemuir	162	40000	58011	97802	45300	01801	83708	83635	
Prestwick	135	71510	62601	96205	754//	04003	81710	83618	85626
Abbotsinch	140	71509	62048	96105	784//	03103	81816	83620	86628
Leuchars	171	72505	63031	97103	35602	02105	83645	87070	
Dyce	091	51302	59051	96704	10934	03210	81360	85072	
Lerwick	005	81812	60026	94706	854//	05205	83710	88622	
Wick	075	32009	75016	94005	10932	03211	81360	83070	
Sule Skerry	010	31912	74016	92707	35500	06209	83625		
Cape Wrath	049	31807	82011	92106	33500	06218	83920		
Stornoway	026	82022	64808	91607	884//	06106	83816	88625	
Benbecula	022	71813	72808	91807	784//	06107	83817	86629	
Tiree	100	21917	70018	93507	28400	06104	81818		
Aldergrove	917	81606	65026	95706	855//	05202	88628		
Malin	980	81714	80028	93706	3647/	05101	82716	87459	
Belmullet	976	31810	75801	92907	33500	06204	82920		
Birr	965	11602	50106	95605	15600	04105	81636		
Dublin	969	81403	03604	95905	851//	05205	83701	86630	
Shannon	962	41203	50108	95404	45500	04006	82625	83650	
Roches Point	952	80000	62022	96406	853//	06208	82708	88634	
Valentia	953	71504	75032	95706	55606	05208	85635	87270	

OBSERVATIONS at 06h. 23 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	80000	09416	97006	860//	06306	88701		
862	80000	18106	97007	853//	07307	83709	88617	
797	81608	35106	97107	853//	06706	82709	88618	
776	81002	16106	96807	862//	07000	83705	88707	
775	80000	40206	97006	873//	06704	84708	88714	
772	83202	20506	97007	872//	07301	88705		
586	80604	01586	97305	870//	05710	88700		
590	90805	01636	97406	9////	06708	89/00		
497	81104	32636	98305	874//	04711	88715		
502	81905	60026	97205	854//	05209	86616	88626	
628	81002	20106	97106	861//	06206	85702	88703	
715	80604	07466	97406	870//	05308	88701		
703	82608	16505	97307	860//	07214	88701		
827	73007	57106	97608	753//	07219	83706	87614	
817	73108	56016	98007	763//	07218	83706	87714	
804	42808	75011	99807	45400	06220	84612		
809	82606	62038	99107	854//	06122	88618		
894	82613	82036	98908	863//	08322	82706	87708	
534	80000	17616	97805	871//	05102	83702	88703	
559	80304	25616	97505	872//	05703	88704		
462	90406	02636	97904	9////	04705	89///		
354	80604	03516	98105	870//	05101	88700		
414	81102	13586	97506	852//	05103	83704	85707	88620
360	80000	06604	98305	861//	04201	88702		
396	80000	30216	98804	855//	04604	88620		
257	92702	00516	98403	9////	03302	89///		
262	80000	10636	98604	872//	04702	88703		
222	80702	56636	97303	854//	02701	81715	84623	88633
302	81205	58516	97306	874//	05305	88712		
334	81202	40586	98106	854//	05103	82710	83625	88650
318	81407	24616	97506	854//	06105	84715	88629	
204	71503	65216	96806	752//	06203	82705	83708	85618
131	81808	08616	96506	864//	06103	88712		
162	80000	50611	97801	873//	01400	88708		
135	81102	58616	96505	854//	04002	81712	83634	85636
140	70504	58218	96604	754//	03103	82712	85630	87650
171	70000	62031	97600	25632	50205	82640	83362	87070
091	71802	59102	97701	15632	01307	81635	87072	
005	81813	57216	95806	853//	05205	81707	88620	
075	61506	65051	95505	45632	03207	81640	84657	
010	81613	66616	94607	874//	06206	88718		
049	71805	82805	93906	735//	05210	87920		
026	81914	64608	93607	853//	06108	81709	85613	88626
022	71711	70608	93007	754//	06104	84615	87631	
100	21915	70011	94407	25400	06205	81710		
917	61405	30106	95805	653//	05000	82708	85628	
980	31816	81031	94105	38500	04201	81820	83640	
976	11812	78018	92907	12500	06501	81821		
965	31606	58101	96003	35600	03702	83635		
969	82503	65036	96505	856//	04204	88630		
962	01302	70018	95804	00900	03400			
952	30000	62011	97305	36300	05108	83707		
953	71808	75032	95808	784//	07301	84818	87637	

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	T$_g$T$_g$	WEATHER 21h.–03h.	WEATHER 03h.–0
746	01051	05	d.r.d.r.r.r.	ff1fFF
862	02061	05	d.rrr.d.	d.d.ff
797	02061	05	r.r.rr.r.ir.	ir.
776	01061	05	d.-r.d.r.d.r.	d.-r.1fff
775	03061	05	rr.rrr.r.	rd.1f
772	03061	05	r.r.r	r.d.d.1f-f
586	03051	02	r.rr.r.	r.r.rd.r.fffF
590	03042	03	r.rr.r.f	r.r.rrffFF
497				
502	01051	04	r.r.ir.	r.r.
628	01051	03	d.r.-r.	f
715	04061	05	r.r.rr.r.	r.ffF
703	02071	04		
827	01071	06	r.rr.r.d.	d.d.
817	02071	05	r.r.rd.	1d.
804	00071	05	+	+
809	03061		1d.d.d.	+
894	93071	07	1d.d.r.	d.r.1d.
534	01051	04	r.r.d.r.d.r.	d.r.r.r.f
559	04041	02	r.r.rr	rr.r.1r.ff
462	03041	04	r.frff	rrfFr.FF
354	01041	03	drd.r.d.	d.r.d.d.ff
414	02051	04	r.r.rd.d.d.r.	d.d.r.r.dr
360	96041	02	1r.1d.r.	d.r.ffr.FF
396			+	1r.r.r.ff
257	01031	50	ffFF	d.r.d.r-r.FF
262	02032	01	FF	rr
222	03011	52	r.r.	r.r.rrr.
302	03051	03	r.r.rr.	r.r.d.d.
334	01051	04	r.r.rr.r.d.r.	d.r.
318	03041	03	d.r.rr.r.	r.r.rr
204	92061	05	r.	r.r.d.r.
131	04051			
162	96005	52	+	r.r.
135	92041	02	1r.r.r.	1r.r.r.d.d.
140	95041	02	pr.[illegible]d.r.	d.r.d.r.
171	00513	53	+	+
091	00001	52	+	+
005	01051	04	1r.r.	r.r.
075	97051	01	+	1r.
010	02062	04		
049	96061	04	1d.	pr.
026	01061	05	pr.r.r.	1r.
022	01061	05	prpr.	pr.1r.
100	97071	05	pr.	+
917	91031	02	r.1r.	f
980	97051	01		
976	92061	05		
965	97021	51		
969	92041	51		
962	97031	51		
952	00041	00		
953	97051	03		

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	23001	81910	97808	76303	834//	00612	/////	/////	05601	10600	3//04	25/11
L	99570	70203	23004	70707	98038	85508	784//	00109	83818	87650	0//03	11000	30402	99/05
M	99661	10017	23004	71127	97028	05904	79400	00804	/////	/////	05653	10723	30606	/////
R	99471	70172	23004	81610	97022	94410	4847/	00818	82815	83630	0//08	11157	30000	28904

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	23061	62211	97808	75503	63400	00504	/////	/////	05402	10609	3//04	25/
L	99570	70203	23064	12306	99028	86107	15600	00205	81635	/////	0//01	10997	30301	99/
M	99661	10018	23064	80822	97838	05[illegible]	894//	31807	/////	/////	05654	10722	30606	///
R	99471	70173	23064	80320	96616	90309	773//	00507	87707	/////	0//07	11157	30402	289

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, Mc

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42067

Date of Issue MONDAY 24 JANUARY 1977

FM 11.V OBSERVATIONS at 12h. 23 JANUARY 1977

on	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
mbe Down	746	82204	40104	01207	862//	07118	85703	88704	
	862	82102	17104	01408	852//	08217	83704	85622	88640
ton	797	42607	58016	00310	38232	07118	81705	83650	
ick	776	72307	40104	00808	752//	08118	84705	87645	
	775	82404	50055	00908	862//	06220	88705		
row	772	72805	28105	00907	752//	07119	83704	87645	
ngton	586	82609	27286	99706	861//	06216	83702	88703	
isham	590	82610	28286	99807	861//	07116	82701	88702	
iston	497	80000	16616	99707	862//	06212	88703		
porth	502	52606	62012	00607	48402	07219	82815	83630	
	628	83005	15105	01007	861//	07121	84702	88704	
se	715	92802	02435	01107	9////	07118	89/02		
nd Point	703	82409	85025	01308	852//	07119	83704	88625	
t Batten	827	83006	60022	01809	884//	07116	81710	83615	88625
awgan	817	72202	86025	01808	78478	07116	81710	87620	
	804	71705	75021	01609	38472	08209	81814	84358	87075
ose	809	70000	65021	02009	38571	07109	82820	84462	
nsey	894	72511	82028	03809	784//	07219	83814	87625	
on	534	91402	04436	00806	9////	06116	89///		
ington	559	82404	22286	00806	852//	06118	87704	88640	
ering	462	83502	08426	00505	850//	05117	84700	88645	
hall	354	80901	08445	00405	861//	05113	88701		
tbury	414	82102	15106	00306	851//	06215	84702	84710	88618
ngley	360	80000	04416	00605	860//	05115	88700		
n Point	396	90000	00476	00804	9////	04213	89/00		
ing	257	91605	02436	00305	9////	05112	89///		
mouth	262	82004	17106	00205	8097/	04209	88358		
sle	222	81702	22616	99605	7557/	05114	83623	86648	88462
y	302	71609	60025	00207	782//	07118	81705	87635	
way	334	71903	35046	00507	754//	04215	83712	85618	86650
es Gate	318	81905	12516	00006	872//	06215	88703		
ldsway	204	71905	66026	99208	782//	07113	81704	84706	87645
of Galloway	131	72310	80016	98907	6853/	07213	82825	86630	
talemuir	162	80000	10206	99503	860//	03212	88701		
twick	135	71704	65016	98506	35472	05111	81618	83632	85358
otsinch	140	80603	40106	98605	854//	04111	81710	84712	88632
thars	171	72302	56042	99003	45772	02109	84656	85363	87072
e	091	81806	35052	99005	863//	04108	86706	88708	
wick	005	71912	60052	98007	48302	06209	83707	87070	
k	075	71808	81026	97406	3567/	04110	83645	87360	
Skerry	010	71607	84026	96807	5857/	06213	83820	85625	87360
e Wrath	049	61805	80038	96507	684//	06216	84815	86620	
rnoway	026	71915	80256	95507	5843/	05209	81715	85630	
becula	022	71714	75156	94707	5833/	06209	81707	85640	87360
e	100	71916	62011	96107	6547/	06212	81712	84650	87360
ergrove	917	51807	60014	98207	45331	05109	81709	83618	
n	980	61813	80018	96107	685//	05109	82820	86640	
mullet	976	21811	74018	95909	28500	06213	81820		
	965	51606	82011	98806	35602	04011	83636	83070	
blin	969	12102	63011	98909	18500	04214	81820		
nnon	962	61206	58108	98607	28336	05111	81708	86275	
ches Point	952	71507	70021	99309	26278	08110	81704	87275	
ntia	953	71711	62258	98109	48436	07213	83818	87270	

OBSERVATIONS at 18h. 23 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	62004	62022	04206	654//	05218	86616		
862	71702	50052	04308	55471	07219	81712	83621	86075
797	82705	50058	04408	884//	06224	81818	85640	88656
776	81902	56102	04207	855//	07219	83623	88645	
775	70000	56052	04307	754//	06221	83715	87630	
772	81903	48052	04208	854//	07220	81710	84615	88622
586	82405	20102	04006	852//	05224	84705	88626	
590	82706	18102	04105	860//	05224	83701	88702	
497	93204	16284	03506	9////	06225	89/03		
502	60000	88012	03007	38502	04315	81820	83625	85075
628	50000	12114	03906	00902	06318	85072		
715	53602	57114	04006	15631	05319	81645	85075	
703	71310	82032	03807	784//	05318	81815	85620	87640
827	81506	65031	03608	5855/	06216	81820	84638	88362
817	71310	75022	02907	15478	06319	81710	87462	
804	71410	80022	01809	3557/	08211	83620	83360	87462
809	81107	65032	02908	2557/	08313	82620	83362	88464
894	61407	75012	04908	55632	07208	85635	84363	
534	51601	30115	03506	554//	05218	81712	85650	
559	81602	30102	04106	853//	06220	83708	85619	88644
462	72102	17104	03805	755//	05320	83624	87630	
354	82101	20104	03605	863//	05220	88706		
414	50000	09462	03305	55630	05218	82630	85645	
360	81702	11104	03105	856//	05217	88632		
396	70000	14284	03405	5557/	05219	85625	87360	
257	81506	04444	03105	860//	05218	88701		
262	82004	23102	02305	8097/	05215	88358		
222	80000	19506	02206	853//	05222	81707	83710	88622
302	61508	80031	02705	15602	04215	81635	86075	
334	71605	18046	03406	754//	05218	81715	87640	
318	81502	30106	02705	853//	05218	82708	83615	88635
204	30000	15121	01904	16301	04110	81707		
131	72113	80032	01107	2563/	07213	82630	87360	
162	91906	03505	02004	9////	04120	89/02		
135	71906	85032	00806	756//	05219	84630	87640	
140	70602	20215	00505	755//	05115	82625	87640	
171	60000	38101	01002	55632	02217	85632		
091	71602	14106	00404	752//	03210	81703	83630	87640
005	81916	58216	99906	862//	05212	82705	88710	
075	41710	62012	98706	40930	04208	84359		
010	51806	81012	98107	55500	06211	85625		
049	71805	82022	96807	38501	04400	81820	83625	87070
026	71916	65216	97207	6533/	05212	81709	83615	86620
022	21713	75158	96506	29400	05213	81915		
100	32014	80018	98507	28530	06217	81820		
917	21507	62021	00704	15601	03218	81635		
980	21913	84030	99106	00902	04216	82070		
976	71609	62101	98707	45436	06316	81719	83640	86270
965	61504	80012	01405	25602	04317	82635	85070	
969	52202	59101	01606	35632	03219	83640	84070	
962	71204	80505	00906	50978	05219	85460	87270	
952	81108	70022	01908	862//	08225	85705	85712	86630
953	81407	65022	00608	3247/	05217	83819	88460	

OBSERVATIONS during DAY

iii	RRT x T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00081	001	FFf	+
862	00091	003	f	+
797	97101	016	d.	pr.
776	00091	000	f	+
775	97091	000	d.	+
772	00091	002	fif	+
586	91061	000	id.r.FFf	f
590	97071	000	FFd.d.	fF
497		000		
502	00081	006	+	+
628	92081	000	d.if.	if.ff
715	91081	007	d.Ff	f
703	00091	014		
827	00111	018	+	+
817	97101	028	id.	+
804	96101	000	+	irid.
809	01092	000	+	ir
894	97101	004	pr.	+
534	97071	000	ffd.	f
559	00071	000	ff	+
462	92061	000	FFd.d.ff	+
354	00061	000	ff	+
414	00081	001	ff	fFF
360	00061	000	FFf1f	ff
396			ff1d.FF	ff
257	00051	000	FFff	ff
262	00061		+	+
222	96071	001	r.ro	d.
302	00091	012	■ +	+
334	97071	006	r.	+
318	92071	000	r.r.d.r.f	d.r.d.
204	92091	026	d.	+
131	00091			
162	01055	000	r.r.d.r.d.ff	fd.ffFF
135	91091	005	+	id.
140	95071	002	d.r.d.	id.r.
171	00051	003	+	+
091	92061	000	d.r.	ir.
005	01071	000	ir.	r.r.
075	97071	000	ir.	+
010	94072			
049	97071	011	pr.	+
026	03081	005	pr.ir.	ir.pr.
022	95081	005	ir.pr.	pr.
100	91081	011	pr.	+
917	00081	032	+	+
980	9709	041		
976	9709	042		
965	9707	047		
969	9710	051		
962	9710	029		
952	0009	022		
953	0310	001		

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

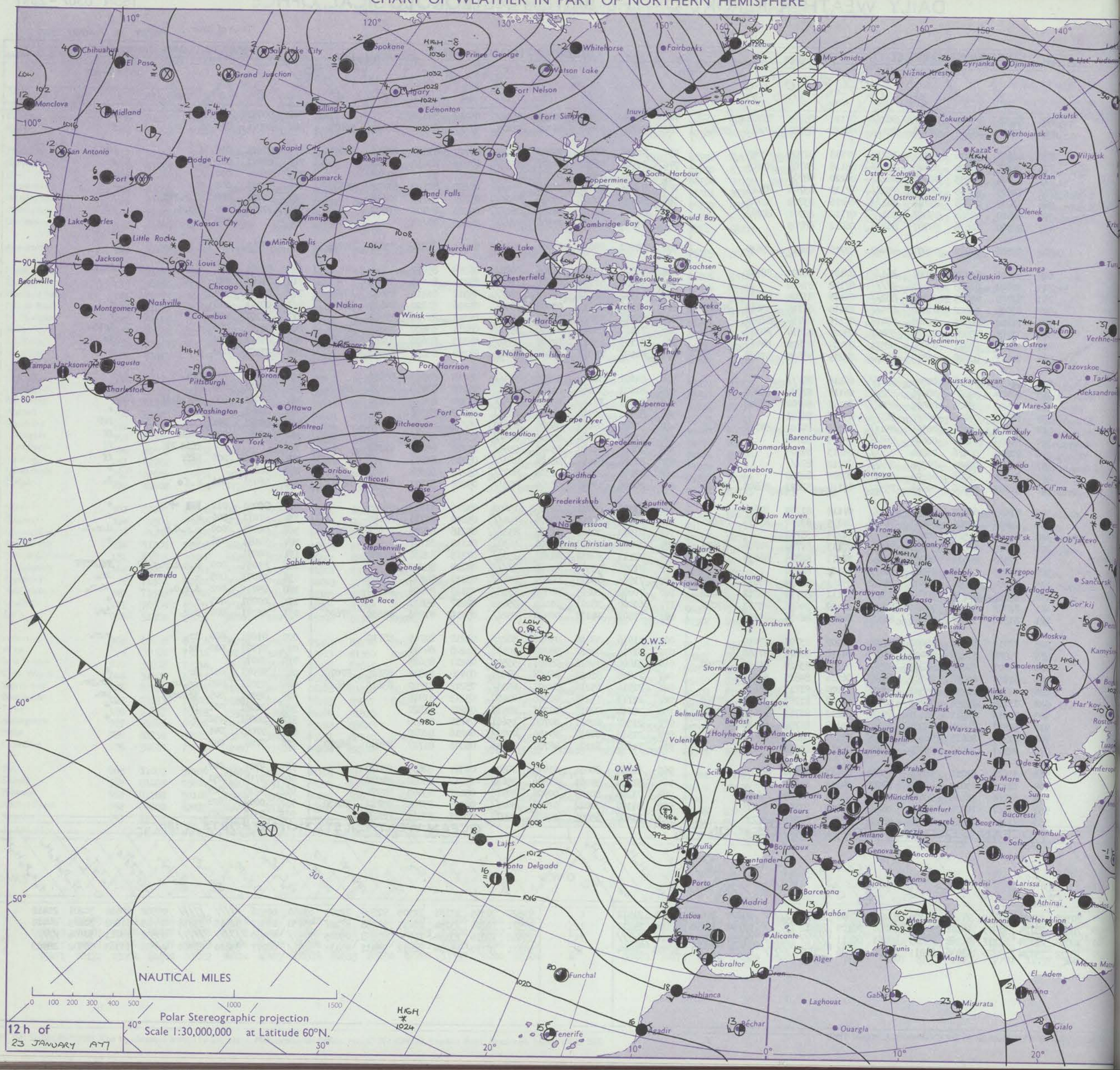
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	23121	51912	97158	74305	53400	00808	/////	/////	05202	10631	30404	21412
	99570	70201	23124	32009	96161	87807	29460	00109	81912	/////	0//02	10996	30804	24211
	99661	10018	23124	61217	97268	05603	49461	00211	/////	/////	05751	10727	30505	/////
	99470	70172	23124	33226	98036	98911	32500	00246	83820	/////	0//08	11161	30503	28904

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	23181	72305	97808	72303	63460	00516	/////	/////	05502	10614	30201	21412
L	99571	70201	23184	61615	99258	87107	53430	00807	82915	83818	0//03	11008	30603	24410
M	99662	10016	23184	71030	97878	05003	795//	00400	/////	/////	05852	10711	30706	/////
R	99471	70170	23184	72612	98031	03111	3257/	00217	83820	87460	0//08	11163	30502	28903

ts of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



18h of 23 JAN

00h of 24 JAN

06h of JAN

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

Issued at midday MONDAY 24 JANUARY 1977

GENERAL SYNOPTIC DEVELOPMENT

A complex area of low pressure covered the Atlantic and northwest Europe during the past 24 hours. In particular, a shallow low near the Dover Straits filled as it moved eastwards to Poland, whilst another moving eastwards to the northwest of Spain became slow-moving and filled over the Bay of Biscay. Meanwhile a deepening depression in mid-Atlantic was moving northeast to be 500 miles west of Ireland by this morning. An anticyclone remained stationary over northern Scandinavia, but another over east Greenland declined steadily. During the next 24 hours the low to the west of Ireland will move northeast and then north to the west of Scotland, the asociated warm front moving eastwards over the British Isles tonight, whilst a developing wave on its cold front moves rapidly northeast towards southwest Ireland.

Code FM 11.V

OBSERVATIONS at 00h. 24 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	71303	18282	07105	755//	05210	87628		
Hurn	862	50000	22112	07205	15630	05212	81640	85360	
Manston	797	72702	35112	07705	764//	04216	87711		
Gatwick	776	80000	07462	07507	860//	07215	88700		
Kew	775								
Heathrow	772	71701	20112	07206	756//	06114	87645		
Honington	586	80000	03464	07104	856//	04216	88640		
Wattisham	590	30000	07414	07504	35000	04119	82700		
Gorleston	497	82904	32102	07105	863//	05219	88706		
Aberporth	502	61611	25284	04705	00902	05802	86075		
Filton	628	70904	18284	06404	750//	04310	81700	87645	
Rhoose	715	71005	30104	06305	757//	05108	87656		
Hartland Point	703	71418	82022	04707	757//	05400	87650		
Mount Batten	827	81409	65026	05108	856//	07105	83630	88641	
St. Mawgan	817	71412	65216	04408	2547/	06207	82616	87459	
Scilly	804	81813	60606	03209	873//	09203	88707		
Culdrose	809	81308	58026	04509	5542/	09206	82712	85625	88462
Guernsey	894	31509	62011	07108	25602	07210	82638		
Elmdon	534	91701	01472	06805	9////	05110	89///		
Cardington	559	81902	17284	07305	853//	05125	85706	88617	
Wittering	462	32403	25101	07105	35600	04113	83635		
Watnall	354	62302	07462	06505	655//	05111	86620		
Shawbury	414	90502	00454	06201	9////	01005	89/00		
Finningley	360	82002	10104	06204	856//	04113	88640		
Spurn Point	396	00000	02464	07002	00900	02213			
Leeming	257	91405	01454	05704	9////	04109	89///		
Tynemouth	262	82006	56102	05505	8092/	04112	88458		
Carlisle	222	71304	45105	04504	45702	03109	84650	86075	
Valley	302	41511	70011	04805	15502	04203	81625	83075	
Ringway	334	61705	20042	06406	65400	04209	81616	86645	
Squires Gate	318	91005	00474	05602	9////	02209	89///		
Ronaldsway	204	61909	70011	04207	654//	06203	82711	86630	
Mull of Galloway	131	22018	82011	03307	22500	06202	82825		
Eskdalemuir	162	91804	02455	04304	9////	04007	89/01		
Prestwick	135	41607	65035	03306	45400	04208	81614	83630	
Abbotsinch	140	72006	58042	03207	754//	05211	82714	87622	
Leuchars	171	12605	40101	03402	15500	02212	81620		
Dyce	091	70102	80021	02404	757//	02210	87656		
Lerwick	005	81914	40106	01006	863//	06206	85706	88713	
Wick	075	42010	65011	00305	40930	03207	84359		
Sule Skerry	010	31410	74036	99707	32500	06208	83820		
Cape Wrath	049	31809	82021	98607	38500	05400	81820	83625	
Stornoway	026	12013	80028	98807	12400	06213	81818		
Benbecula	022	31710	70038	99305	32400	05215	83819		
Tiree	100	62014	82031	01007	685//	06212	81820	86656	
Aldergrove	917	71706	58041	03004	3553/	03302	83627	87359	
Malin	980	61509	80011	01206	5637/	04207	81709	84711	
Belmullet	976	81717	85215	99608	864//	06206	83711	86716	88636
Birr	965	71507	70022	02705	556/2	05213	85634	87070	
Dublin	969	53301	56101	03304	5093/	03303	85360		
Shannon	962	11206	58105	02205	16400	05109	81718		
Roches Point	952	81008	65032	02208	863//	08301	88707		
Valentia	953	71604	65012	01609	7097/	06214	87460		

OBSERVATIONS at 06h. 24 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	81207	50104	07504	856//	04102	88630		
862	71407	58032	07307	655/2	07303	82622	85633	86075
797	62105	25284	08705	25131	05104	81702	83362	85075
776	70301	40104	08305	756//	05202	87635		
775	70000	60122	07905	756//	05103	87635		
772	70000	28104	07905	756//	05000	87635		
586	81101	04424	08402	860//	02207	88700		
590	91606	03474	08704	9////	04106	89///		
497	90000	08474	08902	9////	02209	89/00		
502	81618	62602	03706	3552/	05508	83625	88556	
628	71306	50052	06205	756//	04801	87645		
715	60909	59026	05706	653//	05804	81709	86640	
703	81617	72216	04007	857//	06804	88656		
827	71308	58032	04608	753//	08802	81709	83618	87640
817	71516	58026	03408	16372	07710	81708	85359	86070
804	71713	60026	02109	763//	09611	87707		
809	41313	58016	03708	45500	08708	84625		
894	51509	58051	07207	55402	06001	82710	84635	
534	91502	02454	07503	9////	03003	89///		
559	81502	17284	07903	861//	03001	88701		
462	83102	08444	08104	854//	03102	85616	88645	
354	91402	02434	07204	9////	04003	89///		
414	81004	05424	06403	860//	03001	88701		
360	91502	00474	07203	9////	03107	89///		
396	91807	04474	08304	9////	04210	89/00		
257	91306	01455	06502	9////	02004	89///		
262	82006	56102	06403	8092/	03103	88458		
222	81606	59032	05004	855//	03802	82627	88649	
302	81311	66021	04205	1552/	04813	81628	88463	
334	71302	25104	06704	3557/	03802	83624	87363	
318	71109	15284	05204	762//	04806	87703		
204	71310	82012	03607	2563/	05811	82630	87358	
131	61814	83012	02806	655//	05812	86625		
162	80000	50105	04903	863//	03803	84706	88711	
135	71506	62011	03006	754//	04805	81715	84627	86640
140	70000	68022	03104	55478	03704	81712	85632	87272
171	72705	62021	03803	755//	03802	83622	87640	
091	81902	70021	03003	00907	01002	88272		
005	62105	60012	00605	663//	04502	81706	86710	
075	22010	65030	00804	25600	02001	82640		
010	32316	74026	00007	35500	06301	83625		
049	61809	81031	99206	655//	05203	86620		
026	61814	80258	98407	684//	05808	82816	85630	
022	61714	75258	98106	684//	05612	84814	86627	
100	21716	80011	99507	15430	06714	81618		
917	11409	75011	01604	10930	02718	81362		
980	22605	82026	99804	28400	03713	81716		
976	31206	60101	97005	36400	04819	83717		
965	31409	66284	99507	35600	06723	83634		
969	71510	64032	01406	762//	06723	81705	85706	87650
962	81210	65026	98506	863//	06722	86709	88630	
952	81116	30636	98909	860//	08723	88701		
953	71712	65031	97110	724//	07816	87819		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–
746	00031	50	f	if
862	00031	51	+	+
797	91031	50	ff	fif
776	97041	02	ff	if
775	00011	52	+	+
772	00031	04	ifiF	if
586	97021	51	ffifF	FFff
590	00011	52	Ff	ffFF
497				
502	93041	02	f	r.r.
628	97031	00	ff	d.r.
715	91041	02	ff-fr.	r.
703	91061	05		
827	97071	05	ir.	+
817	97071	05	r.	r.
804	96082	07	ir.	ir.
809	92081	01	irr.r.	r.r.
894	00071	05	+	+
534	97021	02	ffFff	ffr.r.
559	00011	52	fifff	ff1f
462	97021	01	ff	ffFF
354	97041	01	ffF	FFff
414	97501	51	FF	FF-ffir.
360	00011	51	f-fFF	FFfFF
396			fff	fff
257	91021	02	FF	id.FF
262	00031	01	+	+
222	00021	52	f	+
302	00041	02	+	+
334	00041	02	ff	ff
318	91021	50	fFF	FFf
204	97041	51	+	pr.
131	00051			
162	91035	00	fd.ff	+
135	97041	50	id.	+
140	00041	02	+	+
171	00001	53	+	+
091	00011	53	+	+
005	00031	50	+	+
075	97031	51	+	ir.
010	97061	03		
049	97061	03	+	id.
026	03061	04	prpr.	pr.rpr.
022	05051	03	pr.	pr.
100	00061	04	+	+
917	00031	50	+	jf
980	97041	52		
976	97041	03		
965	97051	02		
969	97031	53		
962	97051	03		
952	96081	07		
953	97061	03		

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	24001	22408	98028	71504	21500	00204	/////	/////	05400	10631	3//02	21/12
L	99572	70200	24004	61717	96808	85905	694//	00806	86910	/////	0//05	10995	30704	24409
M	99662	10015	24004	81033	96878	04203	894//	00711	/////	/////	05853	10721	30808	/////
R	99471	70168	24004	81830	97606	98111	2747/	00748	82810	88459	0//10	11154	30606	/////

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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$
C	99527	70355	24061	42309	98268	70703	43400	00704	/////	/////	05502	10616	3//03
L	99572	70203	24064	61316	98022	82508	62400	00827	86818	/////	0//05	10959	30703
M	99663	10013	24064	81028	97878	03202	894//	00400	/////	/////	05953	10694	30808
R	99473	70168	24064	82033	97586	89012	873//	00734	88706	/////	0//12	11157	30812

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,

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

Date of Issue TUESDAY 25 JANUARY 1977

OBSERVATIONS at 12h. 24 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
e Down	746	61513	70022	05909	28434	07713	81811	86075	
	862	71511	62031	06109	48501	07812	81820	84635	87075
	797	71612	75022	08807	11472	05809	81818	83360	
	776	71607	70034	07409	685/1	07813	82820	85657	
	775	61510	65022	07309	657//	05814	86656		
w	772	71607	64032	07309	785//	05814	81820	87635	
ton	586	51509	40054	07508	35772	06814	83656	83075	
am	590	61608	27284	08206	16032	06713	81701	86075	
n	497	81903	24102	08705	861//	04709	88702		
th	502	71519	62036	00108	7547/	06822	81615	87618	
	627	[illegible]							
	628	71510	63026	04309	28531	07817	82820	86075	
	715	81213	60032	03108	16377	07823	81709	86360	88272
Point	703	81819	64032	01409	884//	08619	83815	88650	
latten	827	81813	56021	03409	853//	08712	85708	88612	
gan	817	81818	56202	01809	861//	08812	82702	88703	
	804	82217	58606	01210	3742/	09609	83710	88558	
e	809	81713	50102	02609	852//	09612	85703	88615	
y	894	71715	66021	06107	762/2	06810	82704	86706	
	534	61610	59046	05108	28402	06818	81818	86075	
ton	559	41510	60054	06910	15702	06813	81650	84075	
ng	462	71709	30284	06507	757/1	06814	87650		
	354	71609	50054	05107	6557/	05821	84622	84632	87363
ry	414	71509	40046	03607	5533/	06823	81706	83710	87360
ey	360	71706	24104	05206	1627/	06822	81703	87362	
oint	396	91810	00474	06605	9////	05723	89/00		
g	257	91510	01454	05004	9////	04814	89///		
uth	262	71915	56102	04605	40938	05813	84358	87275	
	222	51610	60012	02107	18542	05821	81822	83363	
	302	71418	70022	00109	754//	05727	82618	87650	
y	334	81714	58162	03908	7547/	04821	81715	84626	87635
Gate	318	71415	40042	02507	18572	06823	81825	86072	
way	204	81314	65028	00407	853//	05720	81706	83622	88645
Galloway	131	81620	60032	99206	6562/	05731	86630	88460	
muir	162	41507	58011	02006	22430	04820	81710	83362	
ck	135	71512	61041	00206	45452	04823	81712	83618	85358
sinch	140	61007	60041	00707	45402	04819	81712	83620	85075
rs	171	21905	70011	02307	15702	03812	81650		
	091	61809	59042	02605	45432	04805	81714	83656	
k	005	62008	68021	00506	38335	05803	81809	86070	
	075	52010	80016	00007	20932	03806	82360	85070	
erry	010	71608	74616	99007	3852/	06707	81820	83625	87460
Wrath	049	51803	80018	98207	58500	06710	83820	85625	
way	026	72017	75028	97307	784//	05707	81815	84619	86630
cula	022	71716	75028	96507	784//	05813	81710	85815	86625
	100	71624	65031	96907	26302	06721	81708	86075	
rove	917	81416	30505	97407	852//	06730	83704	85705	86714
	980	81222	58606	95007	864//	06735	85714	87716	
llet	976	81318	60606	87908	6642/	07755	81712	84716	88460
	965	81615	58505	93009	863//	09732	86709	88713	
	969	81519	40516	97008	862//	06727	82704	86706	88710
on	962	81719	82026	90909	864//	07835	82710	84715	86635
s Point	952	81826	58605	94508	3732/	07814	83708	88550	
ia	953	81724	50586	89707	5642/	06839	85718	88556	

OBSERVATIONS at 18h. 24 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
	746	81814	59052	01708	862//	07618	85704	88706	
	862	81812	50602	02009	852//	07721	84704	86706	88612
	797	81414	62032	05007	1577/	05828	81656	84361	88467
	776	81611	57051	03308	6567/	06726	81630	86640	88358
	775	71409	62022	03008	755//	05725	83625	87635	
	772	71608	61032	03008	755//	06724	82624	87635	
	586	81513	63022	03706	40937	04827	84362	88270	
	590	81513	65022	04206	8097/	04723	82360	88465	
	497	81713	66024	05005	8091/	04724	88460		
	502	71728	50586	93907	752//	07729	82704	85618	87650
	628	81810	25515	99508	872//	07819	86704	88708	
	715	81611	60606	98708	7532/	07622	81707	87628	88459
	703	81928	74216	95208	4531/	07738	82706	83625	88460
	827	81914	58636	99409	853//	07711	84708	88614	
	817	81823	35516	96708	871//	08620	85702	88703	
	804	82018	38216	96011	871//	11617	88702		
	809	81719	40606	97509	870//	09725	81700	84702	88704
	894	81816	30636	03708	3712/	08716	83702	88520	
	534	81612	64212	00008	854//	05729	82710	87614	
	559	81311	62021	02207	35777	05627	83650	86465	88275
	462	81514	62032	01707	8097/	05727	88360		
	354	81512	58052	00107	5547/	05724	83616	83640	88462
	414	81611	57042	97809	863//	06727	83708	88711	
	360	71609	58042	00207	50978	05626	85365	87272	
	396	71417	57014	02205	4567/	05730	84630	87360	
	257	81412	16106	99606	854//	05624	83711	85620	88640
	262	81720	56052	99806	855//	05729	88625		
	222	81710	58036	96708	854//	06723	81715	83624	88643
	302	81725	57606	94608	853//	07620	81708	84712	88615
	334	81714	58216	98409	855//	05724	86622	88650	
	318	81514	56616	96308	853//	07728	81708	88636	
	204	81515	40506	94008	853//	07626	81706	85708	88616
	131	81628	60606	92007	856//	07729	88630		
	162	81410	58606	96405	854//	04725	85715	88622	
	135	81418	57026	93707	4557/	05732	84622	88460	
	140	81208	56606	94707	7547/	06628	81712	83616	87626
	171	81011	50601	97305	856//	03730	85630	88645	
	091	71508	40041	97805	762//	04722	87705		
	005	71713	65022	97906	4547/	05715	82710	83645	87459
	075	31714	65051	95506	15632	03725	81640		
	010	41416	81016	95007	25570	06724	82625	84360	
	049	51409	82022	93106	55500	04729	85620		
	026	81213	80602	91307	6542/	04733	82615	86633	88460
	022	81324	65606	88007	853//	05741	82708	85714	88620
	100	81533	62036	88008	864//	06639	88712		
	917	81519	56606	89608	863//	06733	82707	85709	88713
	980	81320	60606	86508	7632/	07522	83709	86715	87459
	976	81824	60606	81509	864//	07616	85712	86630	
	965	81712	75026	87308	864//	06721	86711	88630	
	969	81514	75216	90307	864//	06825	82711	86715	88622
	962	71715	80016	86609	764//	08510	82710	84717	85630
	952	82022	40206	88910	862//	10612	88705		
	953	82317	60216	88011	7642/	08315	87714	88462	

OBSERVATIONS during DAY

iii	RRT_xT_xE	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	93091	016	+	r.r.
862	91091	018	+	r.r.d.r.
797	00101	008	+	+
776	97101	017	+	r.d.r.d.r.d.
775	97101	013	+	id.
772	91111	010	+	r.d.r.d.
586	97091	030	FFf	r.
590	00091	022	FFf	+
497		012		
502	02081	000	ir.id.d.r.	d.r.r.r.r
628	01101	011	+	d.d.r.rr.
715	01081	002	+	ir.rRr.
703	01101	000		
827	05101	000	id.d.d.rr.	r.rr.r.
817	04111	000	id.r.Rrr.r.	r.r.rrd.d.f
804	06112	000	id.ir.rr	irir.
809	06102	000	id.ir.	ir.r.r.F
894	08092	030	+	ir.d.r.rr
534	91091	009	r.r.	ir.d.r.id.-r.
559	97101	018	+	ir.
462	97091	015	FFf	d.
354	97091	001	f	ir.d.r.
414	02091	002	+	r.rR
360	91081	004	FFf	r.
396			FFff	ir.
257	97061	000	+	r.FF-r.ff
262	00071		+	+
222	97091	013	r.	+
302	01092	000	+	ir.id.rr
334	97091	001	r.	r.
318	95081	002	r.	r.r.r
204	03091	000	r.	r.r.-d.-dr-R
131	01071			
162	02065	009	+	d.r.-r.rr.r.
135	97081	010	+	ir.
140	97081	023	ir.	ir.d.r.
171	94081	044	+	r.r
091	97071	027	+	r.
005	00061	009	+	+
075	97071	044	ir.	+
010	01070			
049	91081	033	id.pr.	+
026	92081	009	pr.	r.r.
022	02071	002	pr.	r.rr.r.d.r.
100	02081	000	ir.ir	r.r
917	95081	000	d.r.	rr.
980	9409	000		
976	0210	000		
965	9410	000		
969	9509	000		
962	9711	001		
952	0210	000		
953	0611	000		

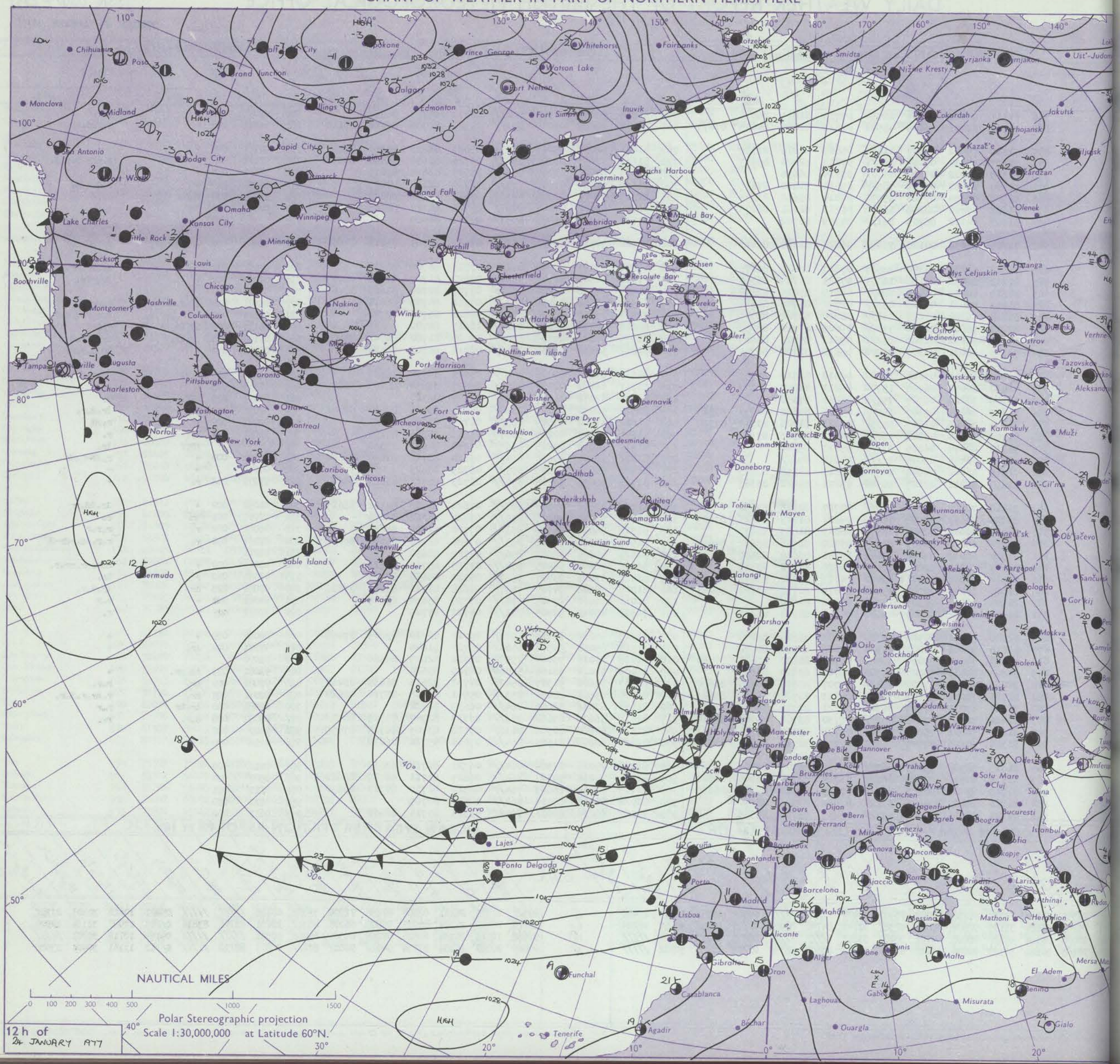
OCEAN WEATHER STATION REPORTS at 12h.

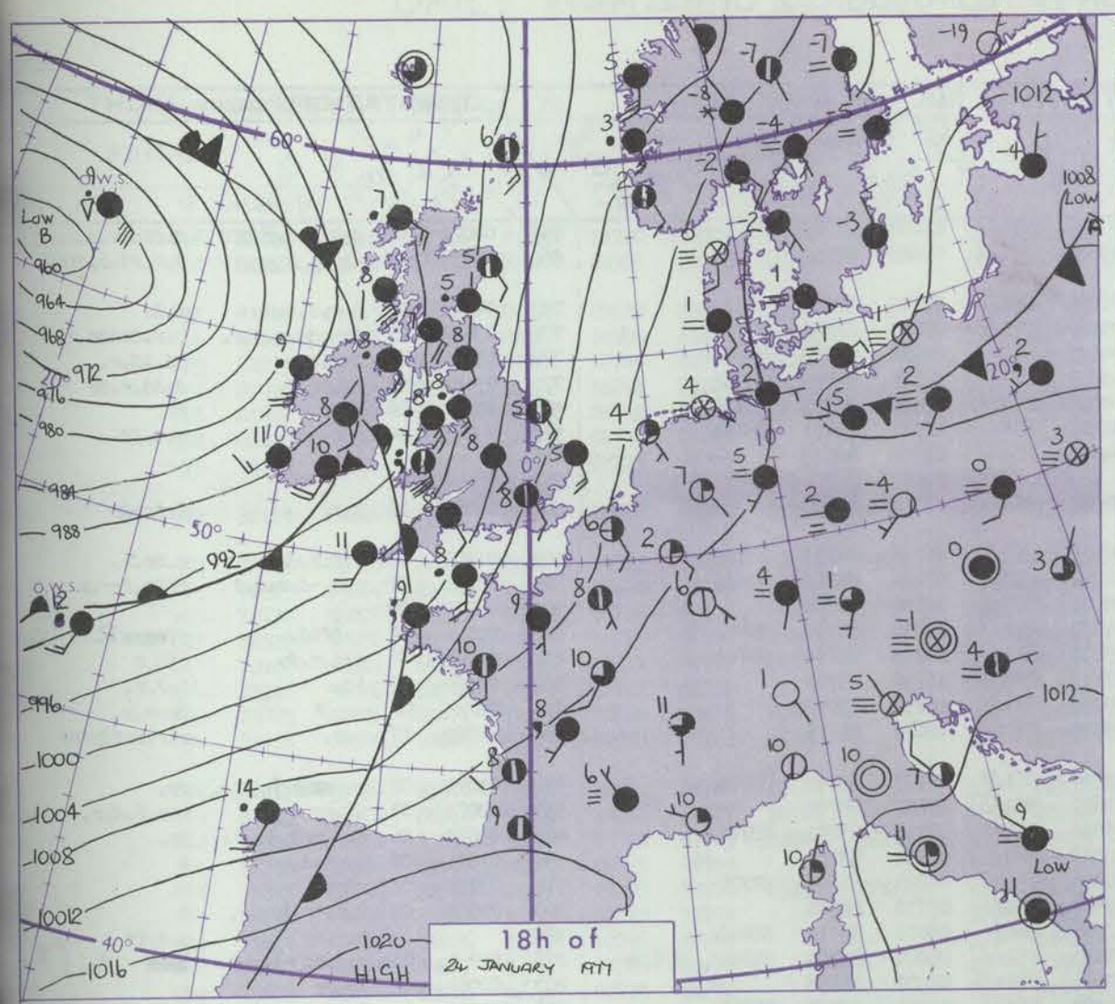
	99 $L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	24121	72809	98258	70303	73400	00400	/////	/////	05502	10592	30403	21408
	99571	70203	24124	81135	97602	74009	4732/	31746	84706	88458	0//05	10991	30810	16704
	99662	10026	24124	40827	98028	04101	35402	31802	/////	/////	06055	10719	30707	/////
	99471	70168	24124	82328	94636	93412	6737/	51332	86808	88359	0//12	11158	30912	/////

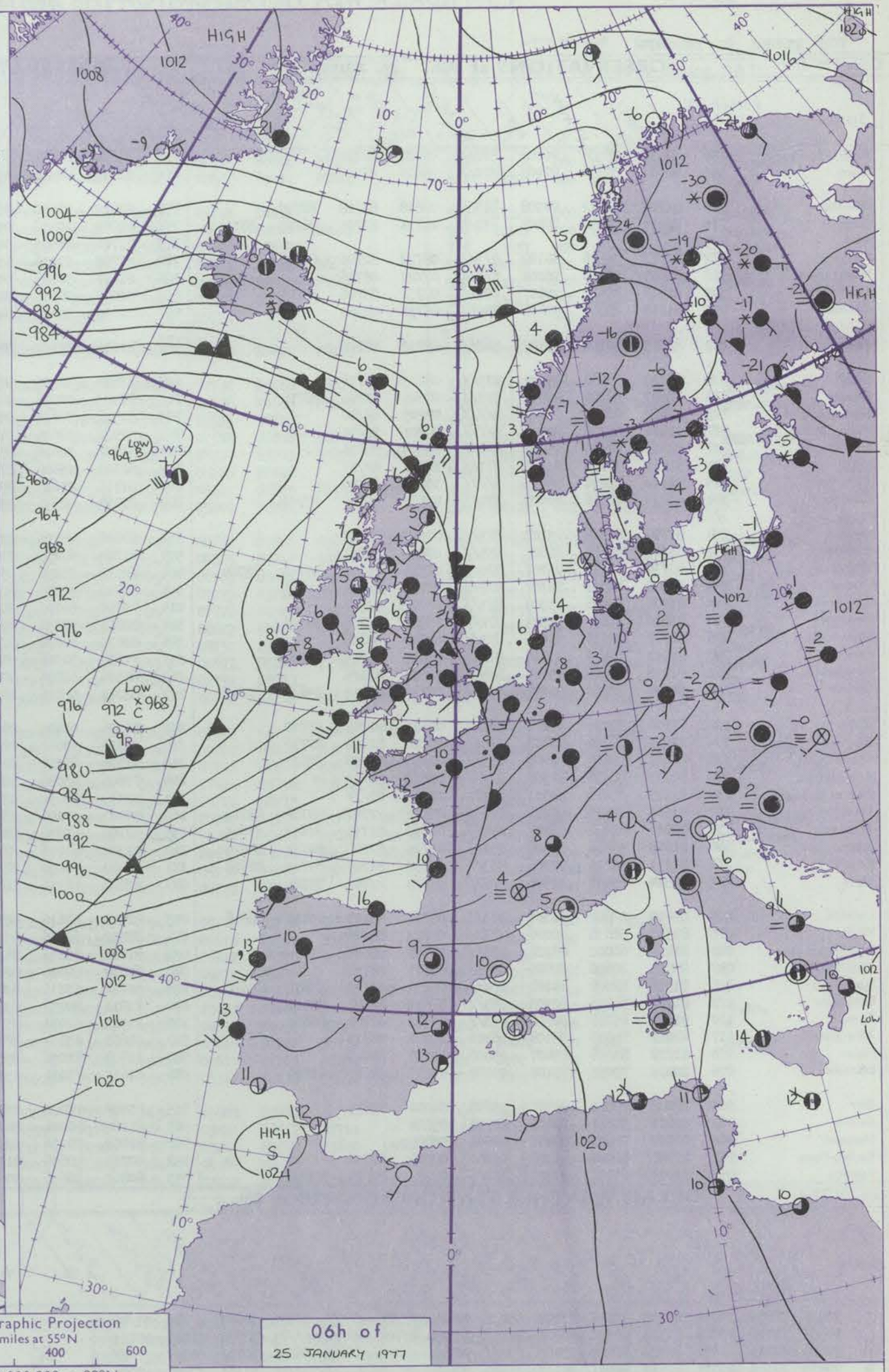
OCEAN WEATHER STATION REPORTS at 18h.

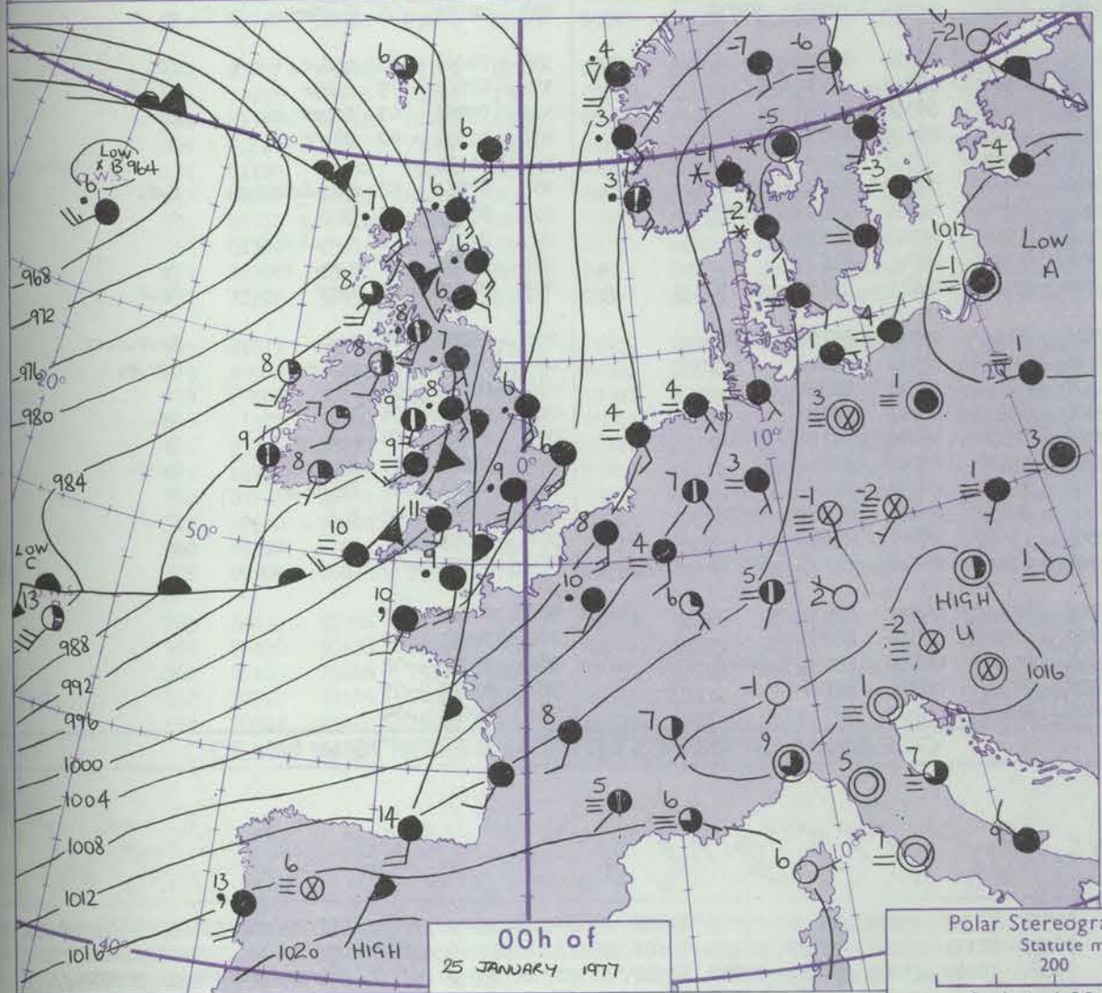
O.W.S.	99 $L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	24181	62808	97158	71904	33502	00108	/////	/////	05401	10610	30403	21307
L	99570	70199	24184	81035	95808	66208	4837/	21631	81706	83816	0//05	10987	31114	17009
M	99662	10018	24184	60826	97268	04501	69400	00301	/////	/////	06154	10718	30707	/////
R	99469	70169	24184	81914	94616	90612	874//	00819	88710	/////	0//12	11161	30401	23908

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 25 JANUARY 1977

GENERAL SYNOPTIC DEVELOPMENT

A complex depression over the central and eastern North Atlantic has maintained a moist southerly airstream over the British Isles. A small wave development north of Azores has moved rather quickly northeast and deepened and is now centred about 300 miles southwest of Ireland. During the next 24 hours the secondary depression will continue moving northeast across Ireland, reaching Shetland by tomorrow morning. Its associated cold front will move steadily eastwards across the British Isles today followed by an unstable southwest airstream. The low complex over the Atlantic will persist.

Code FM 11.V

OBSERVATIONS at 00h. 25 JANUARY 1977

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	81914	38586	96608	870//	08721	88701		
Hurn	862	82017	35516	97409	872//	09619	88703		
Manston	797	81815	58212	00308	863//	07818	83708	88710	
Gatwick	776	82115	45636	98808	872//	08721	83705	86708	88711
Kew	775								
Heathrow	772	81913	45616	98109	873//	08720	82706	88710	
Honington	586	81613	40626	98208	873//	07729	88706		
Wattisham	590	81715	50582	98607	872//	07731	83704	88705	
Gorleston	497	81818	62021	99606	8097/	05731	88360		
Aberporth	502	82313	50106	93309	862//	09212	88705		
Filton	628	81910	56586	95309	873//	08613	88706		
Rhoose	715	82009	59506	94909	873//	08609	82706	88708	
Hartland Point	703	92522	00474	94309	9////	09205	89/00		
Mount Batten	827	92510	05456	95910	9////	09707	89/00		
St. Mawgan	817	82412	08425	95010	860//	10803	88700		
Scilly	804	82413	30106	95810	871//	10707	88702		
Culdrose	809	92114	01454	96010	9////	10805	89/00		
Guernsey	894	81915	50616	00009	870//	09808	85701	87702	
Elmdon	534	81709	62216	95107	873//	07619	88707		
Cardington	559	81713	56636	96608	855//	07825	88621		
Wittering	462	81714	18635	96207	870//	07726	82701	85702	88704
Watnall	354	81808	56516	94707	872//	07725	88704		
Shawbury	414	81908	68026	93308	863//	07620	88707		
Finningley	360	81611	35616	94307	872//	06828	85704	88706	
Spurn Point	396	81717	56636	96506	873//	05730	88708		
Leeming	257	81512	12616	93606	872//	06622	85705	88711	
Tynemouth	262	81715	61026	93707	855//	06624	88625		
Carlisle	222	81705	62616	91207	854//	06717	81715	83628	88643
Valley	302	71916	30206	91209	761//	07504	82702	87710	
Ringway	334	71813	62216	93708	773//	06620	81709	87712	
Squires Gate	318	81613	58616	91608	853//	07620	82709	88622	
Ronaldsway	204	92113	08476	89508	9////	08612	89/00		
Mull of Galloway	131	92125	02476	88507	9////	07613	89///		
Eskdalemuir	162	81509	30596	90006	872//	05723	82704	84708	88711
Prestwick	135	72016	62606	88108	754//	06619	81714	84618	87645
Abbotsinch	140	81608	50516	88308	853//	07725	82709	84714	88624
Leuchars	171	81211	40216	90706	853//	05730	81707	85712	88628
Dyce	091	81514	25606	91506	872//	05725	82704	88705	
Lerwick	005	81819	60602	94306	853//	05717	83707	85710	88616
Wick	075	81513	58636	90006	873//	05823	88706		
Sule Skerry	010	81429	66022	88207	855//	06709	88625		
Cape Wrath	049	80921	22606	84806	865//	05741	88720		
Stornoway	026	81516	62606	84107	854//	05730	81710	83615	88626
Benbecula	022	81722	65216	82308	853//	07617	82708	88616	
Tiree	100	61922	65216	84208	653//	06702	82708	86615	
Aldergrove	917	42012	75016	88108	46400	05310	84713		
Malin	980	11919	81016	85407	15600	05208	81640		
Belmullet	976	22014	78038	85108	23500	03113	82820	81920	
Birr	965	22008	75011	89307	25600	04010	82633		
Dublin	969	02611	80011	89408	00900	05214			
Shannon	962	02110	74021	89407	00900	04005			
Roches Point	952	21906	62021	91308	15602	07000	81632		
Valentia	953	71909	65031	89209	764//	05808	85715	87630	

OBSERVATIONS at 06h. 25 JANUARY 1977

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	81812	08585	93709	870//	09618	88700		
862	81911	08516	93809	870//	09618	88701		
797	82015	58506	96009	862//	08815	88703		
776	82008	20536	94809	871//	09823	82702	88703	
775	81706	20506	94109	872//	09826	85703	88705	
772	81708	22536	93909	871//	09824	84702	88703	
586	81807	30106	94009	862//	08818	87703	88710	
590	82008	20506	94808	870//	08713	83701	88702	
497	82110	32026	94907	864//	07716	88715		
502	81616	35102	88508	861//	07731	88702		
628	81810	30106	92410	862//	09716	86703	88705	
715	81407	20286	91708	850//	08724	81701	88615	
703	81518	50626	90910	873//	10730	88708		
827	81920	09625	91610	870//	10739	84701	88702	
817	81717	30626	89310	871//	10753	85702	88703	
804	82123	15616	87411	873//	11758	88707		
809	81718	25636	89210	871//	10753	88702		
894	81914	02636	95810	870//	10622	88700		
534	81606	40105	92209	861//	08717	83702	88703	
559	81704	62216	93609	862//	09817	88705		
462	82110	25106	93008	860//	08713	83701	88702	
354	81912	50105	92008	860//	08812	88701		
414	71005	56101	90806	15506	06824	81620	87270	
360	82008	57016	91808	854//	07710	88614		
396	82010	60026	92806	5642/	06709	85712	88460	
257	71609	30046	90807	752//	06804	81704	85709	87618
262	62306	61026	90506	6091/	06400	86458		
222	82204	60026	89207	863//	06803	81708	88710	
302	81206	05424	89307	863//	06814	88708		
334	21810	50041	91307	16401	06812	81711		
318	41906	60016	89806	46300	06816	84706		
204	73606	65034	88404	16406	03823	81710	87272	
131	22313	80034	88707	25600	06812	82630		
162	50000	50106	88704	56400	04807	85710		
135	32106	65036	88105	15701	04804	81650	83075	
140	12305	64016	87606	15600	05801	81630		
171	12408	65016	87304	15500	03705	81620		
091	42208	56216	86705	35332	04611	81707	83630	
005	81520	58616	88606	873//	05724	85706	88709	
075	81812	62216	85106	856//	05711	88640		
010	81419	66216	84307	855//	06711	88620		
049	61819	80016	82306	655//	06713	86620		
026	52014	65216	83407	55400	05106	81710	85616	
022	11811	80256	83506	18400	05105	81818		
100	21915	62031	85007	15402	06000	81616		
917	61608	65011	87205	20932	03817	82362	85075	
980	11808	81030	85803	15600	01607	81640		
976	61611	75031	83007	634//	05718	82717	83820	81920
965	81407	70022	85706	856//	04832	88631		
969	81102	80021	86705	00907	03834	88268		
962	81008	70216	82906	856//	04752	82630	88656	
952	80715	50636	81508	873//	08874	88707		
953	80807	58636	80608	864//	05762	88712		

OBSERVATIONS during NIGHT

iii	$RRT_n T_n E$	$T_g T_g$	WEATHER 21h.–03h.	WEATHER 03h.–09
746	04071	07	r.d.r.d.r.d.dff	d.ffd.r.d.r.r
862	06081	07	rdrRd.d.d.r.	d.r.rd.d.ffDR
797	94071	06	d.r.d.r.d.	d.d.
776	03082	07	dr-rdd.r.d.r.	d.r.drddd.d.
775	03081	08	d.r.r	rd.id.r.
772	03081	08	dd.Rr.r.	d.dd.r.dr
586	03071	06	r.rr	fr.
590	03061	04	d.r.rrr.	r.d.ff
497				
502	04082	06	d.r.	d.frrdr
628	02981	07	r.d.r.d.	r.Rr.r.
715	03071	07	r.d.-d.r.d.f	ff1r.frr.r
703	06092	09		
827	04091	07	r.ff1d.	ff[redacted]Rrrir.
817	05091	08	ffd.r.d.	ffd.r
804	05102	09	id.	irr.r.
809	05092	10	r.r.F	Frrr.r.
894	13082	07	r.r.	r.r.rrfdrFrr
534	03071	07	r.r[redacted]dorodo.	fr.
559	02071	07	ir.rr	r.r.r.d.r.
462	03071	06	d.r.rrd.d.	fr.
354	07071	06	r.rR-d.	+
414	03031	00	rRr.	r.
360	04051	01	r.r.ir.rrd.r.	f
396			r.r.rr	d.d.ff
257	02051	01	dr.d.r[redacted]rRir.	[redacted] ir.if F
262	02051	02	ir.rr	+
222	04051	01	r.rRrr.	r.
302	01061	05	rrd.d.	ff
334	07061	05	r.rRr	+
318	03051	03	ir.rRr.r.	f
204	02031	00	DR-ff	+
131	01051			
162	07031	50	r.r.drdrd.r.	d.r.
135	93071	00	ir.	+
140	01032	51	d.r.d.d.ir	+
171	91013	52	r.r.	r.
091	04021	51	ir.r	ir.r
005	05052	05	ir.	ir.r.r.rr
075	05031	51	rrr.r.	rrr.r.
010	06051	04		
049	01062	04	ir.	pr.
026	01061	04	r.r.-r.r	r.
022	04051	03	d.r.rrpR	r.pr.
100	95061	04	ir.rr.r	+
917	00041	02	+	+
980	94031	51		
976	01051	05		
965	00041	50		
969	97051	00		
962	97051	02		
952	03072	03		
953	02061	05		

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	25001	63109	98258	73104	63400	00400	/////	/////	05302	10603	3//03	21/06
L	99569	70196	25004	82327	96638	66706	7732/	51323	87707	88526	0//05	10976	31010	10111
M	99662	10015	25004	80928	97028	03402	894//	00711	/////	/////	06056	10712	30707	/////
R	99471	70168	25004	32132	96011	84113	37400	00628	83710	/////	0//12	11161	30404	23906

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	25061	83019	96818	69104	834//	00740	/////	/////	05304	10625	3//11	/////
L	99570	70194	25064	72328	97258	70607	784//	61324	83816	87625	0//01	10950	31010	17010
M	99664	10011	25064	60831	97022	02502	62500	00703	/////	/////	05855	10621	30707	/////
R	99472	70167	25064	82362	93076	76009	874//	41860	88710	/////	0//08	11164	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, Mc

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42069

Date of Issue WEDNESDAY 26 JANUARY 1977

M 11.V

OBSERVATIONS at 12h. 25 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_d$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$
nbe Down	746	82122	58616	87311	872//	11720	86703	88706	
	862	82122	13654	88611	871//	11509	85702	88703	
on	797	81918	23515	91709	871//	09625	88702		
ck	776	82119	62616	89911	872//	10735	83704	88705	
	775	81913	75606	88511	872//	10740	82705	88708	
row	772	82016	60625	88312	872//	10741	83705	87707	
ngton	586	81617	42604	88209	861//	09542	88702		
sham	590	81616	03604	88408	860//	08748	88700		
ston	497	91820	01626	90907	9////	07723	89/01		
orth	502	82125	64216	79311	854//	09820	81710	87712	88625
	628	72013	62516	84812	65232	11822	83705	86706	85630
e	715	72315	65214	84311	753//	09620	81707	87618	
nd Point	703	72430	58026	82611	55372	09716	84708	85635	
Batten	827	82328	57026	86311	854//	10715	84710	88618	
awgan	817	72427	58216	84312	763//	10814	82707	87709	
	804	72226	56026	83912	763//	11717	87706		
ose	809	72025	30016	85611	722//	11714	83704	84812	
sey	894	82018	58506	92610	871//	10606	83702	87704	
on	534	81813	50634	83810	853//	10742	86706	88612	
ngton	559	81715	56616	86911	873//	10742	84707	88709	
ring	462	81620	50616	85809	862//	09753	83703	86704	88705
all	354	81715	30616	83109	862//	09757	88703		
bury	414	71815	42626	81611	752//	09650	82704	83713	87618
ngley	360	81212	19656	83308	861//	08862	88702		
Point	396	91414	02626	86406	9////	06748	89/00		
ning	257	91307	02604	84807	9////	07745	89///		
mouth	262	90908	02434	85906	9////	06735	89/02		
sle	222	81007	70022	83606	855//	05844	82620	84624	88640
y	302	81727	25636	77109	873//	08757	83707	88710	
way	334	71616	68606	81211	7547/	08770	82712	84618	87645
res Gate	318	81113	48616	80008	6532/	08766	82708	83615	85625
ldsway	204	80824	20602	77807	871//	06869	82702	86703	88705
of Galloway	131	81120	60204	81106	864//	06740	88712		
alemuir	162	80000	68026	84205	884//	04635	83710	83818	88625
twick	135	80910	63041	82905	854//	03737	81712	88650	
otsinch	140	81106	22041	84205	6567/	04720	86640	87360	
hars	171	80000	18401	85402	45277	02813	82705	84640	87360
	091	72705	58054	85604	15678	03807	81645	85362	87270
wick	005	81611	65606	85205	7532/	04615	82706	86709	88460
k	075	22002	65041	84507	15632	04501	81640		
Skerry	010	21806	74031	84108	00904	07502	82075		
e Wrath	049	71809	65038	83307	00906	05802	87275		
thoway	026	71916	60101	83207	48332	06501	82708	83620	85070
becula	022	61707	65038	82507	48406	05805	81712	84618	86270
te	100	81713	66031	82907	4567/	06810	84635	84359	88465
ergrove	917	80510	50602	80806	855//	04745	82620	88650	
n	980	81210	72021	81006	3567/	04822	83635	88459	
mullet	976	80904	78022	79306	7647/	04724	85716	87638	88459
	965	80116	58586	74205	873//	05752	86706	88710	
blin	969	80510	50586	72707	862//	06884	85703	88706	
nnon	962	80113	70616	75106	864//	04731	83713	86718	88630
ches Point	952	72517	60106	74209	764//	08501	87711		
entia	953	70511	65026	76006	754//	04501	82712	87635	

OBSERVATIONS at 18h. 25 JANUARY 1977

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	82236	60608	81709	854//	07728	84615	88625	
862	82130	56258	84409	884//	07627	85810	88625	
797	52223	70016	87110	42401	09714	84814		
776	62230	60018	85811	685//	07819	83820	84625	
775	72026	65606	83912	756//	05822	87630		
772	72128	70256	83811	785//	06823	82822	86632	
586	52018	70016	82411	58400	07722	82818	84650	
590	32023	75016	83611	35600	07719	83630		
497	02024	66016	83409	00900	09721			
502	72420	62218	73908	784//	07530	83817	86633	
628	82220	62608	78210	884//	07738	85810	88628	
715	82324	59218	77209	854//	07636	84616	88621	
703	82640	58606	76309	874//	08515	88710		
827	82540	50216	82410	853//	07514	86708	88620	
817	82535	35586	81409	852//	08210	83703	85707	88615
804	82640	56216	83510	854//	08243	88618		
809	82341	20218	82209	852//	08311	83705	85707	88615
894	22337	60015	90810	26300	05801	82708		
534	72118	60919	77609	794//	06730	81915	85617	87640
559	81924	60636	81210	854//	08825	85712	88620	
462	72025	56816	79510	785//	06725	85820	87630	
354	72115	62299	77108	794//	07729	83710	83818	81920
414	71913	68808	75109	784//	07726	84816	83820	86640
360	61913	65038	76610	685//	06623	83820	84650	
396	51817	65179	78009	595//	08731	85920		
257	71508	60216	75009	755//	08627	85620	87647	
262	81115	10216	75107	862//	07752	88703		
222	80907	50616	73007	854//	06637	82712	86617	88628
302	71824	50606	71409	754//	07621	81710	85614	86626
334	52115	58808	75409	58400	05722	83818	83635	
318	71810	65036	73309	784//	07722	82815	83630	86656
204	81924	56606	69409	853//	07621	81706	83712	86714
131	82132	60606	68308	874//	08746	88715		
162	80413	59636	73905	853//	04740	82706	85709	88625
135	80819	40616	72306	854//	04740	82710	87624	88630
140	80620	45636	74906	6542/	04633	83710	84620	88550
171	80315	26624	77905	870//	05730	82701	88702	
091	80402	08424	80104	860//	04723	88700		
005	73102	65026	82706	754//	05708	81710	87632	
075	73202	15401	81203	26008	02616	82701	86272	
010	80000	66031	82007	00907	06712	88275		
049	80902	72031	81506	855//	04711	88620		
026	73204	56102	80903	35455	03708	83618	86360	87070
022	70202	62028	80104	35536	03612	81622	83640	87270
100	80114	70012	78406	4567/	04613	84635	88462	
917	83422	50636	71003	863//	03616	84709	88711	
980	83619	75216	76607	2642/	05610	81713	88459	
976	83006	70022	79807	5547/	05311	82718	85638	88459
965	83214	50615	77805	863//	05343	88706		
969	83018	65506	71705	864//	03321	83712	87714	
962	63012	75215	80306	6547/	03245	81712	83620	85645
952	82924	60038	80606	864//	04368	88717		
953	73107	70025	84007	754//	03153	83718	87640	

OBSERVATIONS during DAY

iii	RRT x T E x	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	05111	000	d.-d.r.rr.r.	d.r.pr.r.r.
862	05121	000	r.d.r.R	pr.pR
797	01121	000	d.d.d.r.	r.rRpr.
776	08112	000	d-drd.r.rRr.	r.r.pr.
775	03131	000	rr.r.r.d.[redacted]r.R	ir.id.r
772	04122	000	drdrDR-R	r.pr.d.r.
586	01121	000	r.d.r.ir.r	r.rr.r.
590	01111	000	d.ffr.r	rr.pr.
497		000		
502	03111	000	drd.r.ir.pr.	pr.prrir.
628	07131	003	r.r.Rr.rd.pr	prr.rr.r.Rr
715	03121	014	rd.r.ir.pr.	prpr.r.d.-r.r
703	02112	004		
827	01111	002	[redacted]r.R	[redacted]d.r.rpr.o
817	04121	002	d.r.r.	rRd.r.d.r.
804	94122	011	+	rrpr
809	01122	001	ir.pr.	pr.r.r.
894	04121	003	rrffdrd.r.	+
534	17122	006	r.rRpr.	prpRtl.Rh.r
559	03131	002	d.r.-r.r.r	ir.rrpr.
462	04121	001	r.r.r	r.rpr.pr
354	12122	001	r.rRf	pr.tlRrhprr
414	07131	007	r.r.rRpr.pr	pr.
360	09112	007	r.rRr.	pr.prpr.
396			ffrrir.	tlpr.
257	14091	000	ffrRr.r.	r.r.rR
262	05072		FFffrr	ffrr
222	16072	000	ir.Rr	rRRrr.
302	11101	000	ir1Rir.	ir.
334	05121	005	r.-rR-r.pr.	d.-rpr.prr
318	15101	000	fr.rR	r.rRpr.
204	11101	000	RRdr	drir.
131	09081			
162	16052	000	r.pr.r.r	rrd.r.drd.r.
135	06071	000	ir.	r.r.rrr.r.
140	14062	000	+	ir.rrRR
171	06052	000	f	r.rr
091	00061	000	if	f
005	01061	000	r.r.ir.id.	+
075	00071	032	+	+
010	00080			
049	93071	036	pr.	+
026	00071	012	+	+
022	92071	000	pr.	pr.ir.
100	00071	000	+	+
917	20072	000	r.rr	rrrs
980	0107	000		
976	0008	000		
965	1006	000		
969	0710	000		
962	0807	000		
952	1111	001		
953	0508	001		

FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

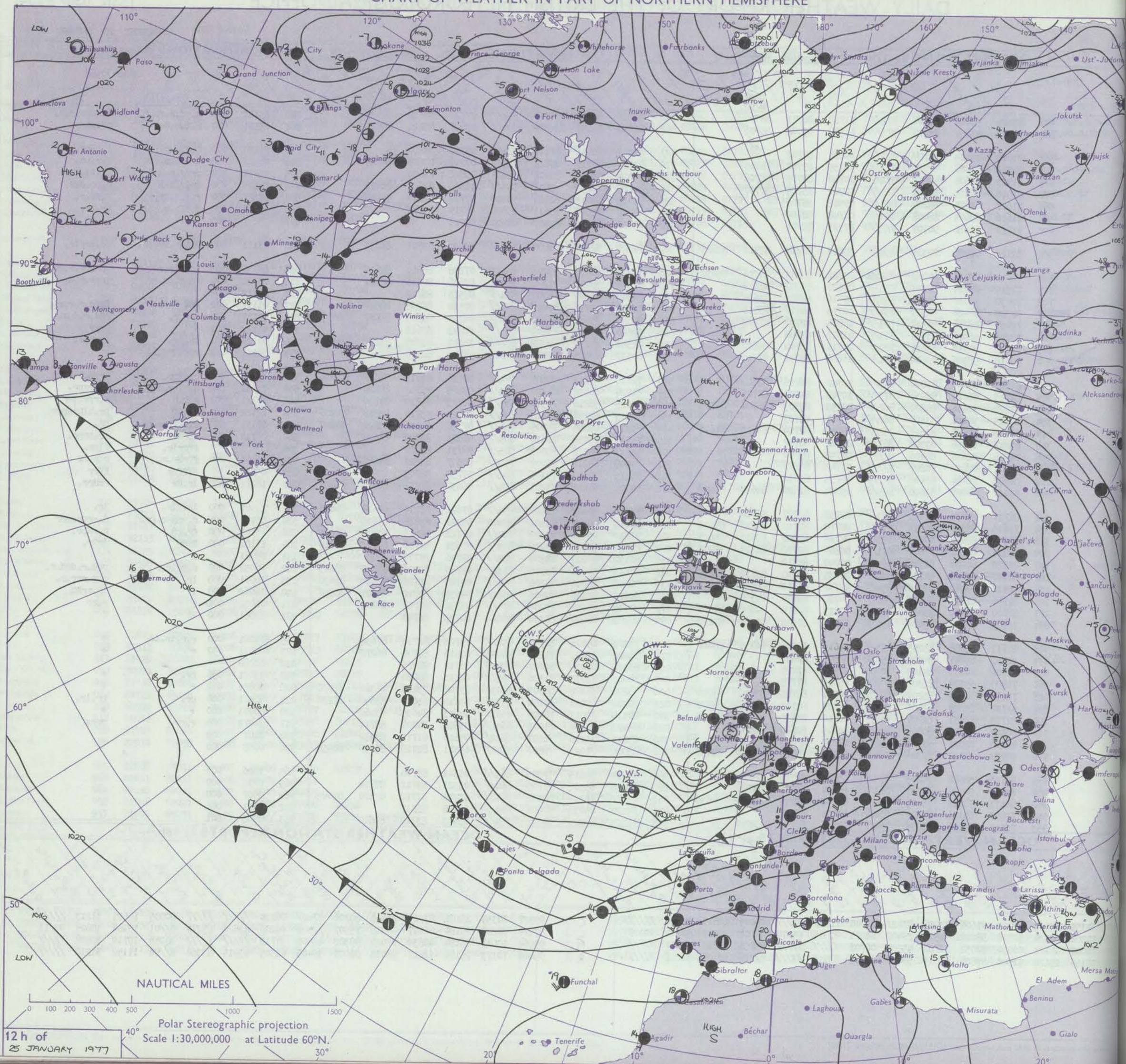
V.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wc_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	25121	83222	97606	73906	8742/	00240	/////	/////	05005	10610	3//13	/////
	99569	70201	25124	52518	98028	74508	29402	61221	82915	85078	0//02	10981	31112	20009
	99665	10009	25124	50934	97032	01702	45505	00701	/////	/////	05856	10610	30809	/////
	99470	70169	25124	52540	97808	92011	59400	61125	85915	/////	0//06	11156	31216	/////

OCEAN WEATHER STATION REPORTS at 18h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s Ch_s h_s$	$8N_s Ch_s h_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wc_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	25181	83219	97616	80706	8742/	00224	/////	/////	00005	10601	31213	/////
L	99570	70200	25184	62617	98018	75507	22508	00206	82820	85276	0//01	10988	30805	99/11
M	99664	10013	25184	40830	97022	99302	42500	31712	/////	/////	06056	10710	30808	/////
R	99468	70173	25184	52627	98018	92009	39463	61305	83915	83360	0//06	11152	31210	/////

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

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE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HIGH
TROUGH
O.W.S.
Chihuahua
El Paso
Midland
San Antonio
Fort Worth
Dodge City
Lake Charles
Little Rock
Jackson
Louis
Boothville
Montgomery
Nashville
Columbus
Chicago
Kansas City
Omaha
Minneapolis
Winnipeg
Rapid City
Bismarck
Billings
Buffalo
Grand Junction
Spokane
Calgary
Edmonton
Regina
Prince George
Whitehorse
Nelson Lake
Fort Nelson
Fort Smith
Churchill
Baker Lake
Chesterfield
Nakina
Winisk
Coral Harbour
Nottingham Island
Port Harrison
Fort Chimo
Resolution
Cape Dyer
Frobisher
Inuvik
Farbanks
Barrow
Coppermine
Cambridge Bay
Mould Bay
Isachsen
Resolute Bay
Arctic Bay
Pond Inlet
Clyde
Thule
Eureka
Alert
Lord
Barentsburg
Longyearbyen
Danmarkshavn
Daneborg
Kap Tobin
Jan Mayen
Ostrov Zelova
Ostrov Kotel'nyj
Ostrov Čeljuskin
Nižnie Kresty
Verchojansk
Ust'-Judoma
Jakutsk
Ohotsk
Kazač'e
Olenek
Tiksi
Tazovskoje
Russkaja Gavan'
Mare-Sale
Aleksandrovskoje
Murmansk
Tromsø
Bodø
Reykjavik
Stornoway
Glasgow
Belmullet
Valentia
Shannon
Manchester
Birmingham
Brussels
Paris
Brest
Nantes
Bordeaux
Lisboa
Porto
Madrid
Santander
Barcelona
Mahón
Alicante
Gibraltar
Agadir
Casablanca
Oran
Alger
Tunis
Malta
Béchar
Laghouat
Ouargla
Gabès
Misurata
Gialo
Benina
El Adem
Mersa Matruh
Tripoli
Funchal
Tenerife
Lajes
Ponta Delgada
Sable Island
Bermuda
Cape Race
Gander
Stephenville
Goose Bay
Yarmouth
Caribou
Antigonish
Sydney
Halifax
Boston
New York
Norfolk
Washington
Pittsburgh
Charleston
Augusta
Jacksonville
Tampa
Toronto
Ottawa
Montreal
Kingston
Nichevaon
Godthab
Frederikshab
Narssarssuaq
Angmagssalik
Aputiteq
Kap Farvel
Thule
Hans Christian Sund
Jan Mayen
Vardø
Murmansk
Tromsø
Nordoyan
Ostersund
Oslo
Stockholm
Helsinki
Riga
København
Gdańsk
Hamburg
Hannover
Warszawa
Minsk
Smolensk
Moskva
Kursk
Harkov
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Kargopol'
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Vitebsk
Mogilev
Gomel'
Brjansk
Orel
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Salzburg
München
Augsburg
Stuttgart
Nürnberg
Frankfurt
Köln
Düsseldorf
Essen
Bremen
Hannover
Berlin
Dresden
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Brno
Ostrava
Katowice
Kraków
Częstochowa
Łódź
Poznań
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Gdańsk
Szczecin
Rostock
Hamburg
Bremerhaven
Amsterdam
Rotterdam
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Maastricht
Antwerpen
Gent
Oostende
Lille
Reims
Metz
Strasbourg
Nancy
Dijon
Bern
Zürich
Genève
Lyon
Clermont-Ferrand
Limoges
Tours
Orléans
Caen
Cherbourg
Le Havre
Rouen
Amiens
Calais
Dunkerque
Milano
Venezia
Genova
Torino
Bologna
Firenze
Ancona
Roma
Napoli
Bari
Brindisi
Taranto
Reggio di Calabria
Palermo
Messina
Catania
Cagliari
Olbia
Ajaccio
Bastia
Perpignan
Toulouse
Montpellier
Marseille
Nice
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Valladolid
Salamanca
Sevilla
Córdoba
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Murcia
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Zaragoza
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Logroño
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La Coruña
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Badajoz
Évora
Faro
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Coimbra
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Castelo Branco
Guarda
Viseu
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Huelva
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Jaén
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Ronda
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Puerto de Santa María
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Conil de la Frontera
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Zahara de los Atunes
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Gibraltar
Marbella
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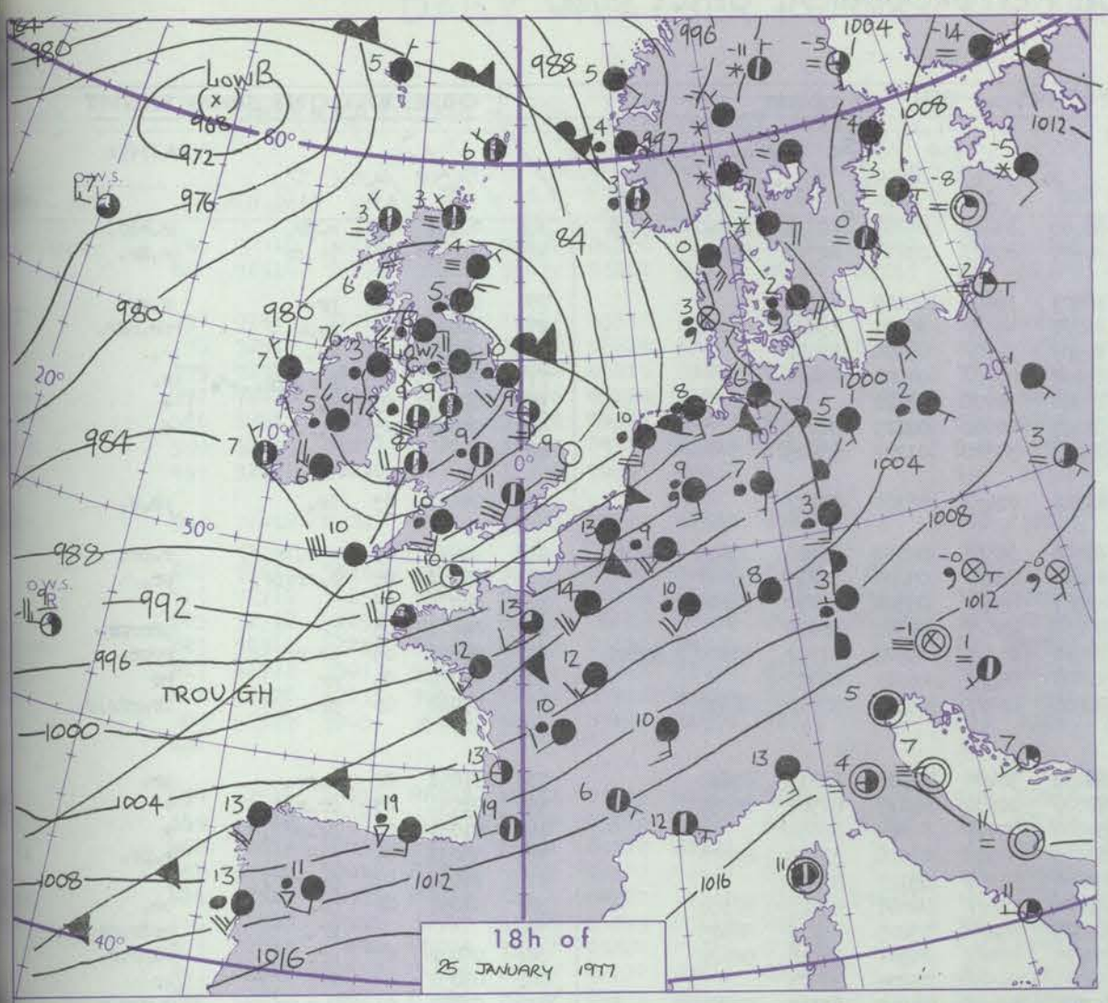
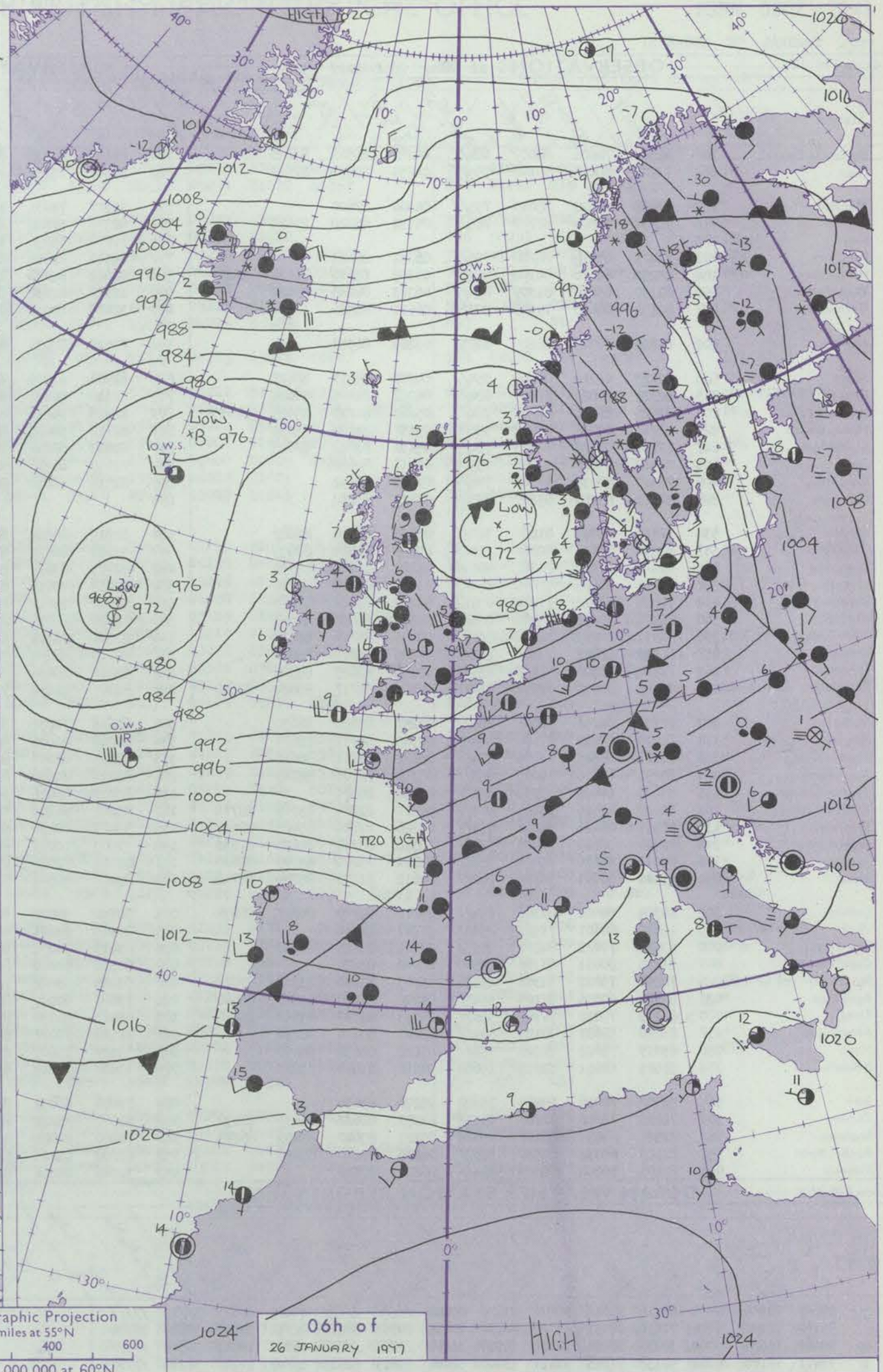
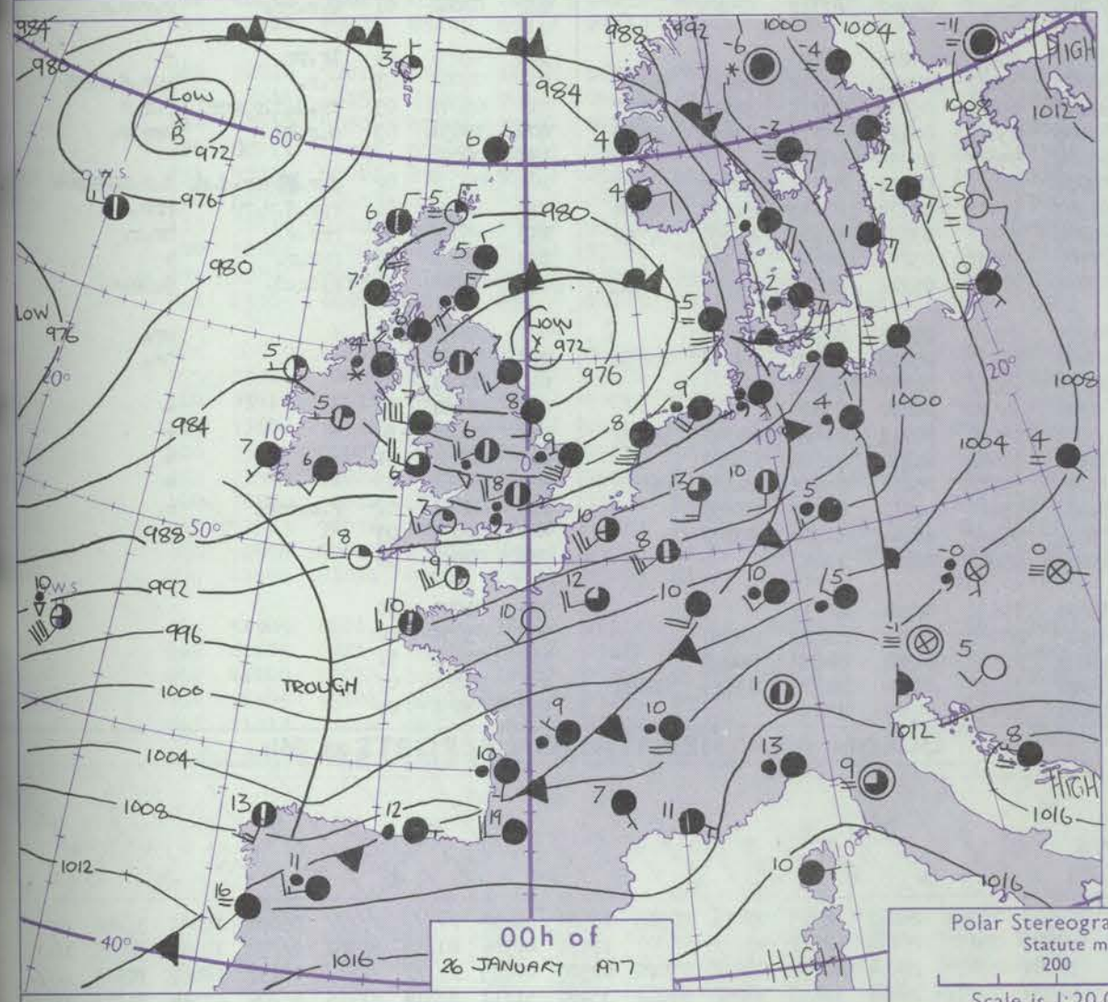






Polar Stereographic Projection
Statute miles at 55°N
200 400 600
Scale is 1:20,000,000 at 60°N.

GENERAL SYNOPTIC DEVELOPMENT

Issued at midday WEDNESDAY 26 JANUARY 1977

During the last 24 hours a complex area of low pressure remained over central and eastern North Atlantic, and extended eastwards as a depression moved rapidly from southwest of Ireland and into the North Sea bringing strong winds to most areas of the United Kingdom, particularly strong in the south. During the next 24 hours the low in the North Sea will move away north-east and fill, while troughs of low pressure continue to cross the country from the west. A depression will move steadily from central North Atlantic to the west coast of Ireland.

Code FM 11.V

OBSERVATIONS at 00h. 26 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
Boscombe Down	746	62524	74806	88007	684//	04263	85818	83630	
Hurn	862	72423	80018	90108	785//	04255	82820	87629	
Manston	797	72338	62028	85610	755//	04304	87620		
Gatwick	776	72532	59806	87709	785//	05331	84820	87625	
Kew	775								
Heathrow	772	72421	65588	86208	755//	05241	87621		
Honington	586	82230	66616	80108	854//	06305	85616	87624	88650
Wattisham	590	82330	65618	81309	854//	06303	84616	88624	
Gorleston	497	82134	66636	79509	8072/	06611	88550		
Aberporth	502	62825	70016	86106	6093/	03266	86359		
Filton	628	82723	62216	87106	854//	04277	85617	88628	
Rhoose	715	62723	70026	87406	684//	04267	83815	86624	
Hartland Point	703	72925	82016	89907	784//	05265	81712	85825	87635
Mount Batten	827	52716	60038	91708	55600	05137	81640	85650	
St. Mawgan	817	72714	60028	91408	784//	05131	83812	87628	
Scilly	804	22512	65028	92208	25500	07117	82628		
Culdrose	809	72319	58038	92308	784//	07226	85812		
Guernsey	894	32323	63258	95209	32500	07114	83822		
Elmdon	534	72419	75806	81606	784//	03355	85814	86622	
Cardington	559	82230	80216	82007	855//	05331	84624	88635	
Wittering	462	42424	82258	79107	48500	04329	82820	83630	
Watnall	354	82424	66608	77806	854//	03339	83713	88616	
Shawbury	414	72525	72218	79306	754//	03252	82712	87620	
Finningley	360	82425	80038	75707	855//	04324	86628	88638	
Spurn Point	396	81911	70219	74708	854//	06505	86716	88630	
Leeming	257	82416	58802	73306	884//	04305	85813	88630	
Tynemouth	262	82904	56106	72507	2557/	06605	82625	88358	
Carlisle	222	70405	60036	72506	754//	05312	81717	85624	87650
Valley	302	82738	62256	80307	885//	02257	85820	88630	
Ringway	334	82620	65618	77606	854//	02345	86712	88616	
Squires Gate	318	82527	60518	73705	854//	04222	84711	88616	
Ronaldsway	204	83031	60616	74005	863//	03354	86707	88709	
Mull of Galloway	131	83609	60026	73006	855//	06242	88625		
Eskdalemuir	162	80110	40516	73105	872//	04311	82705	85708	88712
Prestwick	135	80517	56616	74206	854//	04326	82710	85625	88634
Abbotsinch	140	80310	58616	75405	7542/	03316	81714	84620	87630
Leuchars	171	83613	56616	75005	852//	05701	83704	85709	88620
Dyce	091	83411	56044	76205	862//	04612	81703	85706	88712
Lerwick	005	80304	58022	81306	854//	05712	83710	84617	88634
Wick	075	23610	62101	79505	25402	04707	81710		
Sule Skerry	010	63510	74022	81807	3557/	07601	83625	86360	
Cape Wrath	049	31405	80011	81106	35500	05400	83620		
Stornoway	026	70208	75022	81306	15536	05205	81620	83362	87070
Benbecula	022	83502	60026	81105	5547/	04206	81618	85637	88460
Tiree	100	80119	70032	79707	3567/	04313	83647	85359	88465
Aldergrove	917	83320	59697	79104	864//	02247	83710	88714	
Malin	980	83019	75022	80108	3567/	05222	83630	88459	
Belmullet	976	32505	68011	83705	15608	04218	81640	83270	
Birr	965	32502	70016	85405	35600	05226	83634		
Dublin	969	72815	75606	82706	6557/	02259	82622	86635	87459
Shannon	962	72507	80038	86106	35678	05221	83640	85459	86275
Roches Point	952	82108	65032	87506	3567/	06215	83640	88458	
Valentia	953	82105	70258	86607	864//	06206	88716		

OBSERVATIONS at 06h. 26 JANUARY 1977

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	82109	62638	89206	6542/	05707	82712	85640	88458
862	82107	75216	89607	854//	05715	82712	88629	
797	12317	77031	89607	15501	05109	81626		
776	82312	57808	89907	4852/	06801	83822	88458	
775	72008	65036	89107	7092/	03104	87462		
772	82111	75036	89107	8092/	04000	88464		
586	02322	82026	85706	00900	02220			
590	12321	82036	87005	00902	02123	81075		
497	32420	60026	85007	35500	01222	83625		
502	72512	80031	87106	724//	06301	87817		
628	62506	62016	88506	35501	04802	81620	83635	85072
715	82510	80038	88206	884//	05706	81815	88647	
703	82418	74616	88507	854//	05504	82710	88640	
827	82712	58638	89807	856//	06503	88630		
817	82412	60216	89506	853//	05502	81707	83620	88645
804	72618	60216	91109	755//	06307	87620		
809	82516	66616	90806	854//	05305	83710	88630	
894								
534	32315	80018	86106	38400	03215	81815	83620	
559	52119	81036	87006	10931	03117	81362	85080	
462	22423	83011	84506	25700	02224	82650		
354	62418	70016	83106	35502	03226	83625	85070	
414	52612	75012	84906	55500	03117	85625		
360	72420	86028	81006	755//	02337	83620	87650	
396	82531	76616	80005	854//	03225	85710	88625	
257	82610	58638	78705	854//	04347	84616	88622	
262	83215	69636	76906	8052/	05235	88525		
222	82807	56636	79706	854//	05242	82712	88623	
302	62618	70031	85507	656//	04215	86645		
334	82816	62606	83805	854//	03232	81712	86615	88630
318	82823	65606	82205	6542/	03239	83711	85617	88557
204	83013	70616	83406	854//	04128	81712	83618	88650
131	83410	80026	82804	856//	03238	88630		
162	83212	64206	78904	854//	01231	81715	88646	
135	82403	60216	81304	5547/	03124	83618	84650	88460
140	72803	70016	80704	3547/	03324	81618	83650	87359
171	82911	82016	77707	4563/	03217	84645	85362	
091	83416	50506	77006	872//	05212	82703	88707	
005	80710	59022	81105	853//	03305	82708	88615	
075	83415	62101	80006	853//	05210	82708	84713	88632
010	63413	74031	82207	655//	06209	86625		
049	30502	70020	82306	35500	04210	83620		
026	53106	68022	83302	15536	02211	81620	84362	85070
022	73607	60022	83405	15602	04210	81630	87070	
100	83512	81032	83007	3567/	05217	83647	84360	88465
917	72506	70027	84204	754//	02217	82715	87656	
980	53109	75808	83708	584//	06214	81716	83820	
976	11402	74011	85003	15600	02205	81640		
965	72006	66031	86604	756//	04304	87631		
969	82607	75026	85504	854//	04304	82719	88640	
962	70000	82021	86805	755//	04307	84622	86645	
952	62708	65216	87506	3537/	05304	81709	83635	86458
953	32106	65256	87406	32400	05307	83819		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	01051	03	r.pr.	r.rir.
862	07061	05	pr.pr	r.Rr.
797	03061	04	pr.	r.rr
776	10052	04	r.pr.	pr.rRr.
775	93061	04	ir.	r.
772	91061	03	d.r.d.r. -v.	r.
586	02051	03	r.r	+
590	95051	03	r.r.	+
497				
502	95051	03	ir.	ph.r.
628	01051	03	rRr.ir.r.	r.pr.
715	01051	03	r.rr.pr.	pr.
703	96071	05		
827	06071	05	pr	prrrpr.
817	09061	05	pr.rr	rrpr.
804	08072	05	rr	rr
809	07062	06	pr.	ir.rrr.r.
894				
534	97051	02	r.pr.	pr.
559	01051	03	pr.r.r.r	+
462	01051	03	pr.pr	+
354	95051	04	r.R	r.pr.
414	91051	02	pr.r.r.	+
360	91051	04	pr.	pr.
396			ir.	rrir.pr.
257	05042	03	pr.	r.rr.r.
262	03052	03	+	rr
222	07042	01	d.r.rr.	r.rrr.r.
302	92051	04	ir.pr.	+
334	04041	03	r.r.	r.r.d.r.rR
318	05041	03	pr.d.d.r.rrr.	r.r.r
204	19031	03	d.r.RR	Rrr.r.
131	08031			
162	02031	02	d.r.d.r.d.d.	d.r.d.r.d.d.
135	11041	01	r.r.d.r.rr	rrr.r.
140	05022	00	rrr.r.	rr.r.
171	04051	03	rrr.r.	+
091	01041	04	r.ir.d.	d.dr.r.
005	97051	03	+	pr.
075	92031	01	+	ir.
010	00061	03		
049	00061	03	+	+
026	00021	50	+	+
022	00031	51	+	+
100	00061	03	+	+
917	03021	02	r.s.r.s.r.	r.
980	97071	03		
976	97011	53		
965	01041	50		
969	03031	02		
962	01041	51		
952	01051	02		
953	03051	02		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	99 $L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	26001	83418	97616	90706	8742/	00244	/////	/////	00005	10611	3//13	/////
L	99570	70199	26004	72616	98032	76507	40936	00105	84363	87270	0//51	10999	30805	99/08
M	99663	10022	26004	30830	98021	98201	35500	31708	/////	/////	06157	10682	30808	/////
R	99471	70170	26004	52138	97808	92410	53400	51400	85815	82915	0//07	11152	31210	/////

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	26061	73315	98016	00305	75500	00240	/////	/////	05004	10609	3//08	32/12
L	99570	70197	26064	62517	98021	76607	12431	00506	81818	83362	0//02	10944	30805	16010
M	99661	10020	26064	40632	98020	97000	42500	00605	/////	/////	06157	10669	30908	/////
R	99470	70172	26064	32438	98258	91011	33400	51711	83816	81915	0//09	11154	31210	/////

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, Mc

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42070

Date of Issue THURSDAY 27 JANUARY 1977

FM 11.V **OBSERVATIONS at 12h.** 26 JANUARY 1977

ion	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$8N_sC_hs_hs$
combe Down	746	72410	82216	91907	784/2	05220	81814	84620	86640
n	862	72514	70806	92709	5843/	06120	84712	84820	85359
sston	797	72512	80211	90507	2141/	05310	82812	87459	
wick	776	72517	70608	91407	48482	06224	83812	84358	87072
y	775	72310	78256	90808	32442	05219	83815	87075	
throw	772	72414	80216	90908	28476	05120	81816	83462	86070
nington	586	62517	83031	88007	31532	04311	83820	85070	
ttisham	590	62519	75031	88208	31402	05310	83815	85075	
leston	497	32718	64030	86708	32601	04203	83830		
rporth	502	72412	80028	90807	734//	05122	81915	87645	
on	628	72612	75258	91506	734//	05320	82710	81915	86620
ose	715	72710	70258	91706	793//	05124	81706	81916	84820
tland Point	703	72718	74258	92607	68571	06229	84820	84645	86360
int Batten	827	52916	82258	93810	43403	06123	84918		
Mawgan	817	42722	75018	94109	39431	06226	81912	83814	
y	804	52520	62031	95610	38520	07222	82820	85458	
drose	809	52317	70056	95209	42402	08127	81710	84816	
rnsey	894								
don	534	62514	68038	88908	18472	03118	81818	86070	
dington	559	62118	62022	89107	21588	05216	82820	83362	86273
ttering	462	32615	80030	87708	28501	04318	82822		
tnall	354	62610	70018	87306	58402	03307	82812	85620	
wbury	414	72513	81021	88607	684/6	04223	81818	83630	85656
hingley	360	72818	68258	86507	51408	03229	85815	87272	
rn Point	396	72819	60608	85205	754//	03224	84715	87630	
ming	257	82718	82616	84905	854//	02234	83616	88640	
nemouth	262	82816	69026	83505	8097/	04232	88358		
rlisle	222	72710	65026	85105	6547/	04319	81712	83628	85645
ley	302	72814	70012	89408	11428	06221	81812	87270	
gway	334	72814	58158	87907	783//	04220	81707	85812	86640
pires Gate	318	82710	58606	87306	7547/	04223	83612	85622	86650
maldsway	204	82811	80026	87907	58407	05225	81713	84640	88270
ll of Galloway	131	73214	80016	87106	5567/	05226	85630	87460	
kdalemuir	162	82914	82032	84405	884//	01320	82816	86625	88656
estwick	135	73210	80022	85705	5847/	03222	81818	85645	87462
bbotsinch	140	72806	80022	85206	38532	03221	81820	83645	87070
uchars	171	83206	70616	83605	855//	03229	85620	88650	
rce	091	83309	68616	82705	854//	04229	82710	84712	88618
rwick	005	80519	68038	83506	7843/	02214	84813	86622	
fick	075	83308	70036	83706	6547/	05220	81710	83618	85635
le Skerry	010	63412	74011	85207	625//	07218	86820		
pe Wrath	049	73602	70011	85507	4853/	05217	84820	87360	
rnoway	026	73407	80022	86807	28432	05219	82818	83360	87070
nbecula	022	73303	70022	87205	3547/	05218	81617	83635	87462
ree	100	70209	70012	87108	10938	06221	81362	87275	
dergrove	917	72303	70026	88106	58532	04223	83820	84630	86070
lin	980	72606	72018	87308	38572	07220	82820	84460	87070
lmullet	976	41408	81011	87008	15432	06210	81719	83070	
rr	965	51905	81012	89407	38502	06311	82820	84070	
ublin	969	82605	62214	89506	863//	05220	85708	87711	
hannon	962	41404	82031	89008	11402	05209	81710	84070	
oches Point	952	71506	59101	90508	724//	07009	87713	83817	
lentia	953	71812	75021	88209	724//	06204	87819		

OBSERVATIONS at 18h. 26 JANUARY 1977

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	52108	75038	95405	38532	03217	82822	83072	
862	52307	82038	95908	28532	05214	81822	85362	
797	42411	80026	94307	48501	04222	83820		
776	22412	82258	95206	18502	04126	81822		
775	32412	80018	94508	38501	03222	81820	83650	
772	52411	81256	94507	58532	04221	81820	83630	
586	62414	80032	91706	45402	04223	84617	84072	
590	32516	75011	92306	28402	04223	81815		
497	52711	62021	91207	59500	04226	85920		
502	72110	65258	92605	734//	04109	83915	86640	
628	62406	65018	94107	58431	05212	83710	83818	
715	82708	60258	93707	884//	06106	82810	86614	88622
703	62722	64016	93308	5562/	07400	85640	86360	
827	62613	70028	95409	49432	07202	81918	83820	
817	62312	70031	94608	12432	06400	81815	85360	
804	12417	60021	95009	15501	06002	81625		
809	22017	58101	95308	28402	08002	81818		
894								
534	72410	62802	92606	794//	04219	81815	84922	87650
559	62313	60052	92806	5853/	05120	81825	85656	
462	72414	81021	91606	15678	03219	81640	83465	87275
354	82413	60038	91006	2557/	04220	82623	88465	
414	62504	75012	91904	12548	03115	81820	83360	86275
360	82709	62258	89907	2841/	03219	81818	88465	
396	82716	65026	89506	3567/	03222	83630	88360	
257	73208	75026	89006	758//	03326	87657		
262	83209	61636	88905	8062/	03232	88530		
222	82705	65602	89205	856//	04123	85632	88648	
302	62408	80012	91606	25602	05209	82636	85070	
334	62609	58028	91506	21432	04217	82812	85070	
318	72608	62018	90505	28538	05217	81820	85359	87272
204	82708	65032	90506	56247	05214	85704	88272	
131	40204	60011	90106	48500	05216	81825	84630	
162	63006	75018	88904	48532	01123	81820	84650	
135	63103	59042	89405	25632	04219	81635	85075	
140	72102	75022	89005	3857/	04222	81620	83645	87462
171	72709	82026	88105	755//	03223	81620	87635	
091	73413	58818	87305	722//	04225	81703	83706	86809
005	80414	65258	88903	884//	52233	81710	83812	88619
075	70207	70028	88304	38432	03225	81818	83634	87072
010	80912	74038	89707	855//	05228	88625		
049	53605	80012	89406	58501	06221	83820	85625	
026	63106	80012	89903	18432	02217	81818	86070	
022	60000	70112	90204	15632	04215	81635	83362	85070
100	73406	66012	89804	00908	04213	87275		
917	51803	65012	90104	11432	02209	81818	85070	
980	31605	70011	89304	26402	03310	81718	83070	
976	21111	77011	86807	16432	04500	81718		
965	51407	75021	89406	585//	04000	81820	85633	
969	50000	62012	90605	00902	04106	85070		
962	71210	75031	88007	45572	05802	81620	84640	86459
952	61713	70018	89508	46402	07607	84714	86072	
953	71712	65032	86109	72400	06711	87819		

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	01081	002	$ir_or_opr_o$	pr_o
862	01101	019	$r_or_opr_opr$	+
797	03081	001	rRr_or_o	+
776	96091	012	rr_opr_o	pr_o
775	97091	003	pr_o	pr_o
772	97091	008	r_opr_o	pr_o
586	00091	024	+	+
590	97081	028	+	pr_o
497		016		
502	02081	021	pr_opr	pr_o
628	02081	013	pr_o	$pr_oprpr_oprpr_o$
715	02081	013	$pr_or_opr_o$	pr_o
703	01081	022		
827	91101	025	pr_o	pr_o
817	01101	027	pr_ophr	+
804	00111	048	+	+
809	00101	035	+	+
894				
534	91091	032	+	pr_o
559	00091	038	+	+
462	00091	045	+	+
354	91071	014	pr_o	pr_o
414	00081	016	+	+
360	97071	008	r_opr_o	pr_o
396			pr_oir_orr	+
257	01062	000	r_or_or	+
262	03062		rr	$ir_or_or_o$
222	94061	001	r_or_o	r_o
302	00081	002	+	+
334	02071	000	rd_or_o-r_opr_o	+
318	02061	000	$r_or_ir_opr_o$	+
204	00081	000	jp	+
131	94071			
162	97061	000	pr_or_o	r_opr_o
135	00071	003	+	+
140	00081	010	+	+
171	94061	000	$r_or_oir_o$	ir_or
091	01061	000	$r_or_opr_o$	pr_opr
005	01061	000	pr_o	$pr_or_or_o$
075	91061	000	ir_o	pr_o
010	92071			
049	01071	006	+	$ph_or_oid_o$
026	00071	013	+	+
022	00071	000	+	+
100	00081	004	+	+
917	00071	023	jf	fFF
980	9709	006		
976	9709	037		
965	0010	040		
969	9708	015		
962	9710	043		
952	0109	023		
953	0010	070		

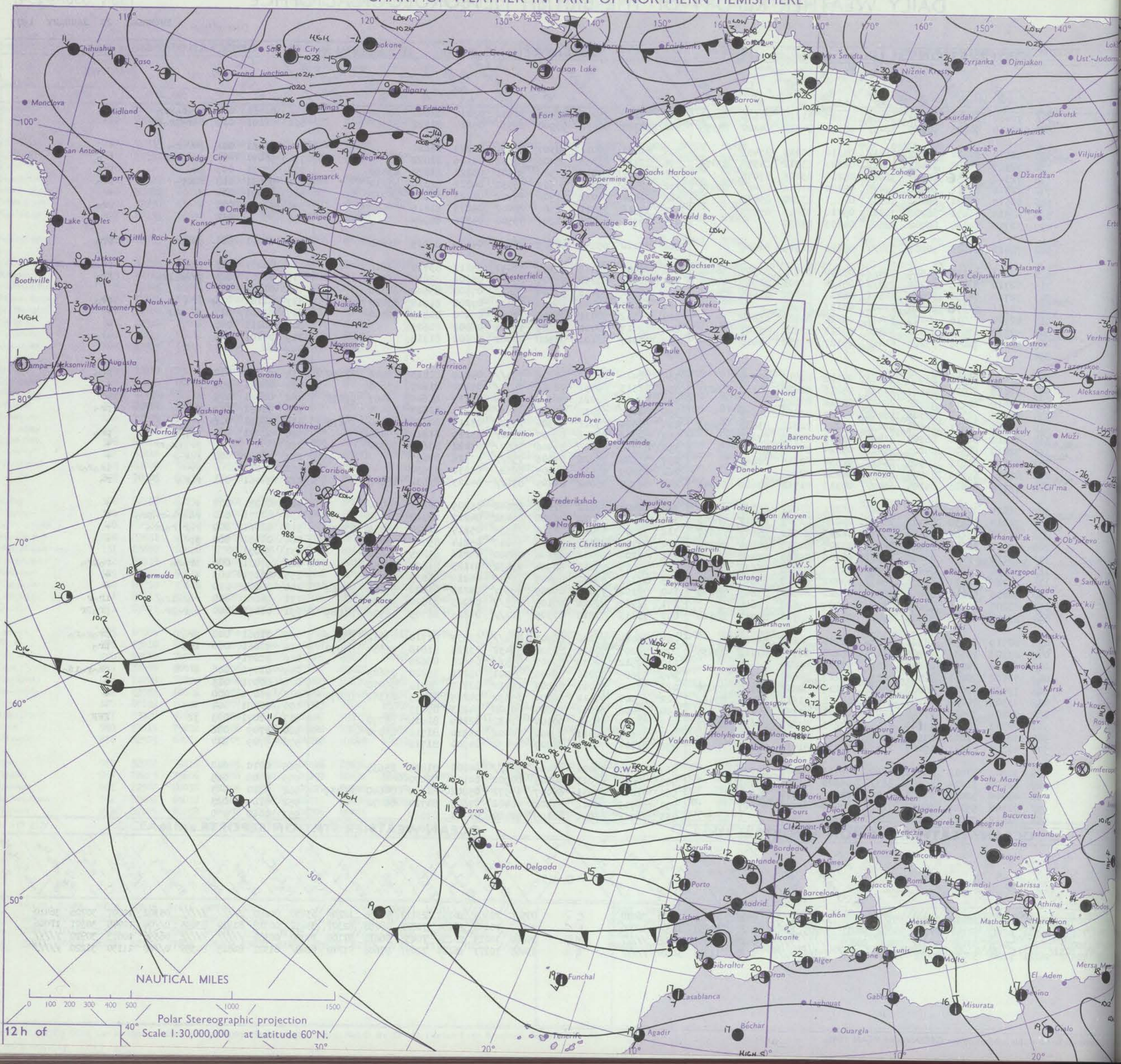
FM 21.V **OCEAN WEATHER STATION REPORTS at 12h.**

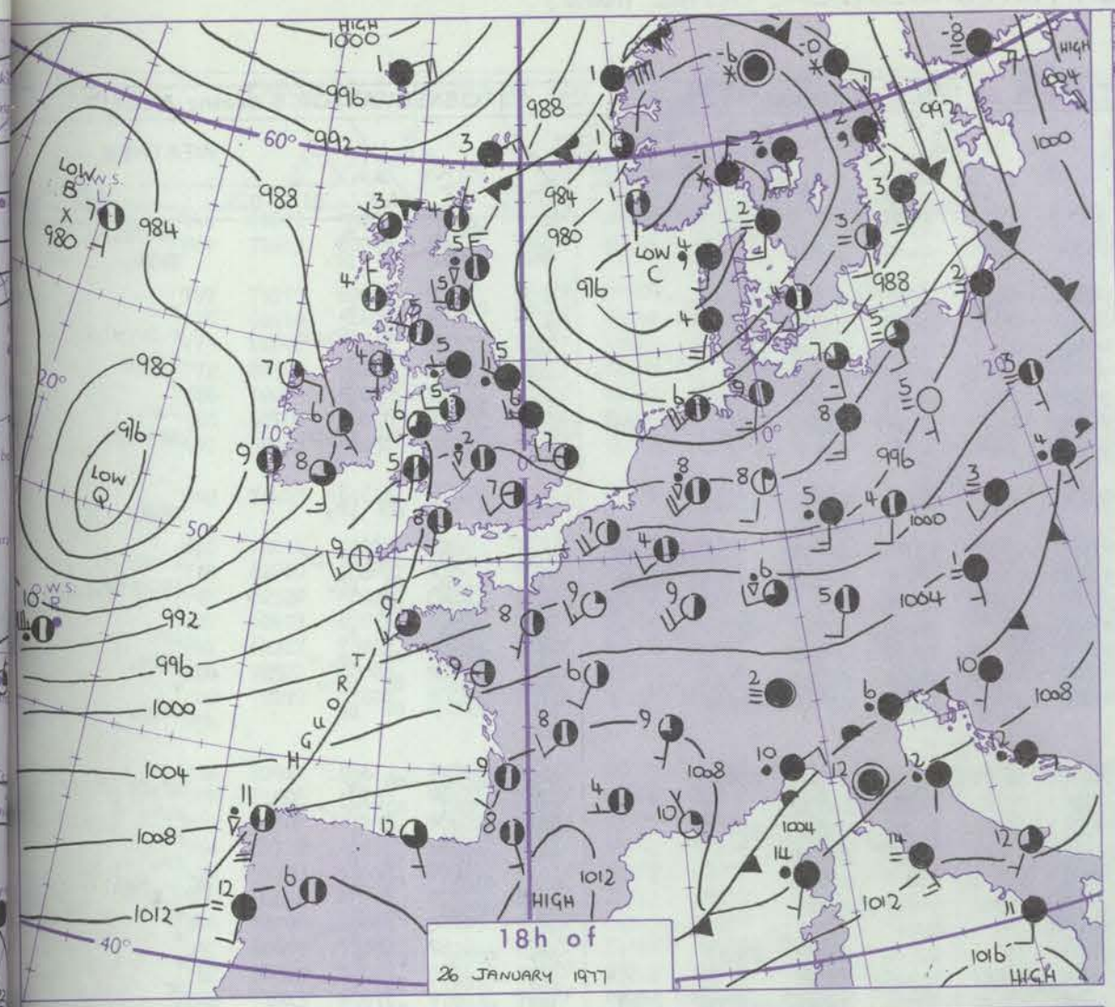
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_vapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
	99527	70355	26121	83313	98032	08305	855//	00240	/////	/////	05202	10611	30606	36410
	99570	70197	26124	62112	97258	79106	49262	00217	82705	84914	0//03	10958	31008	18006
	99660	10019	26124	50437	97168	96500	59400	00805	/////	/////	06257	10699	30808	/////
	99468	70172	26124	72244	97032	90411	724//	51602	87815	/////	0//08	11133	31220	/////

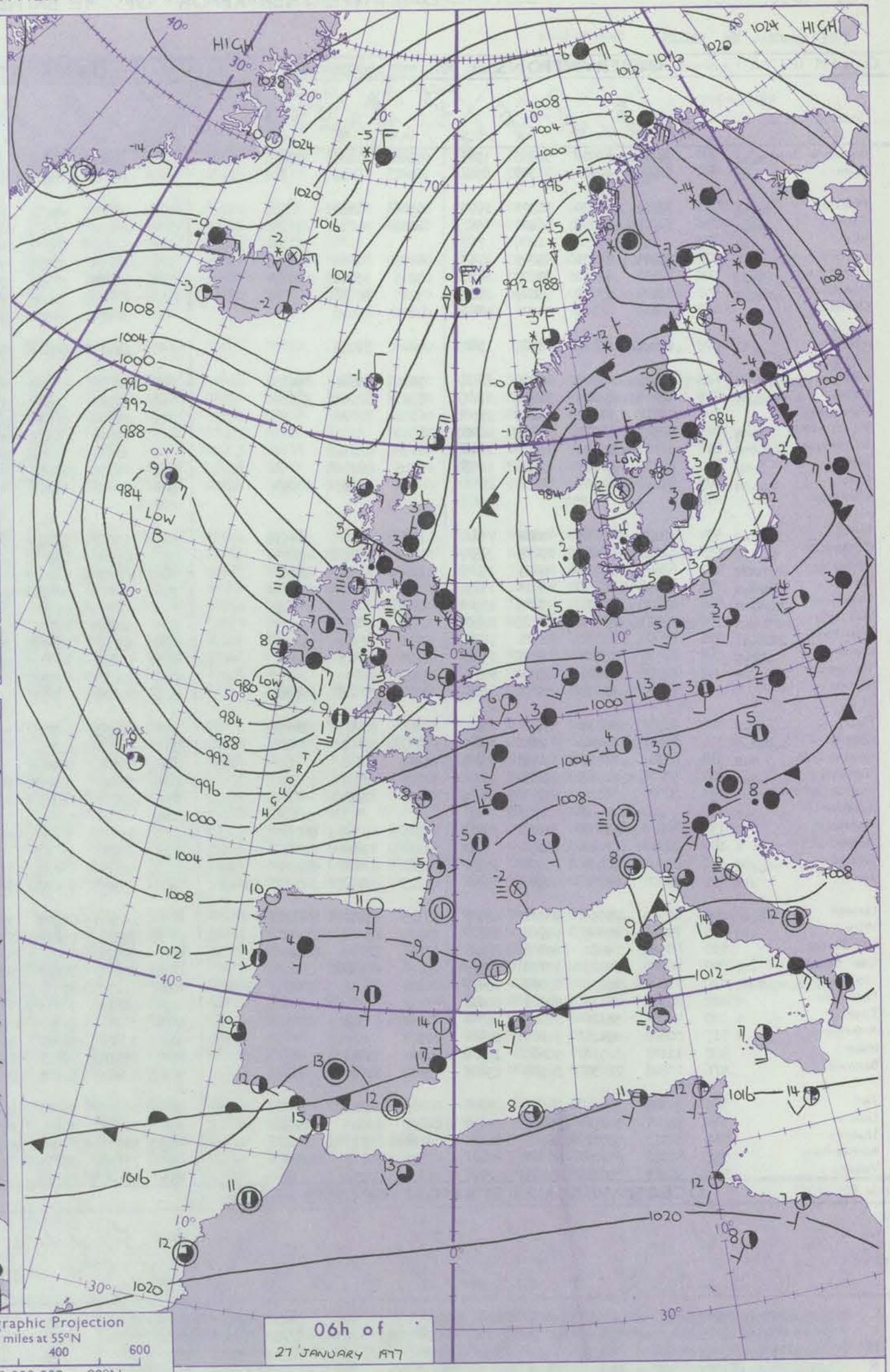
OCEAN WEATHER STATION REPORTS at 18h.

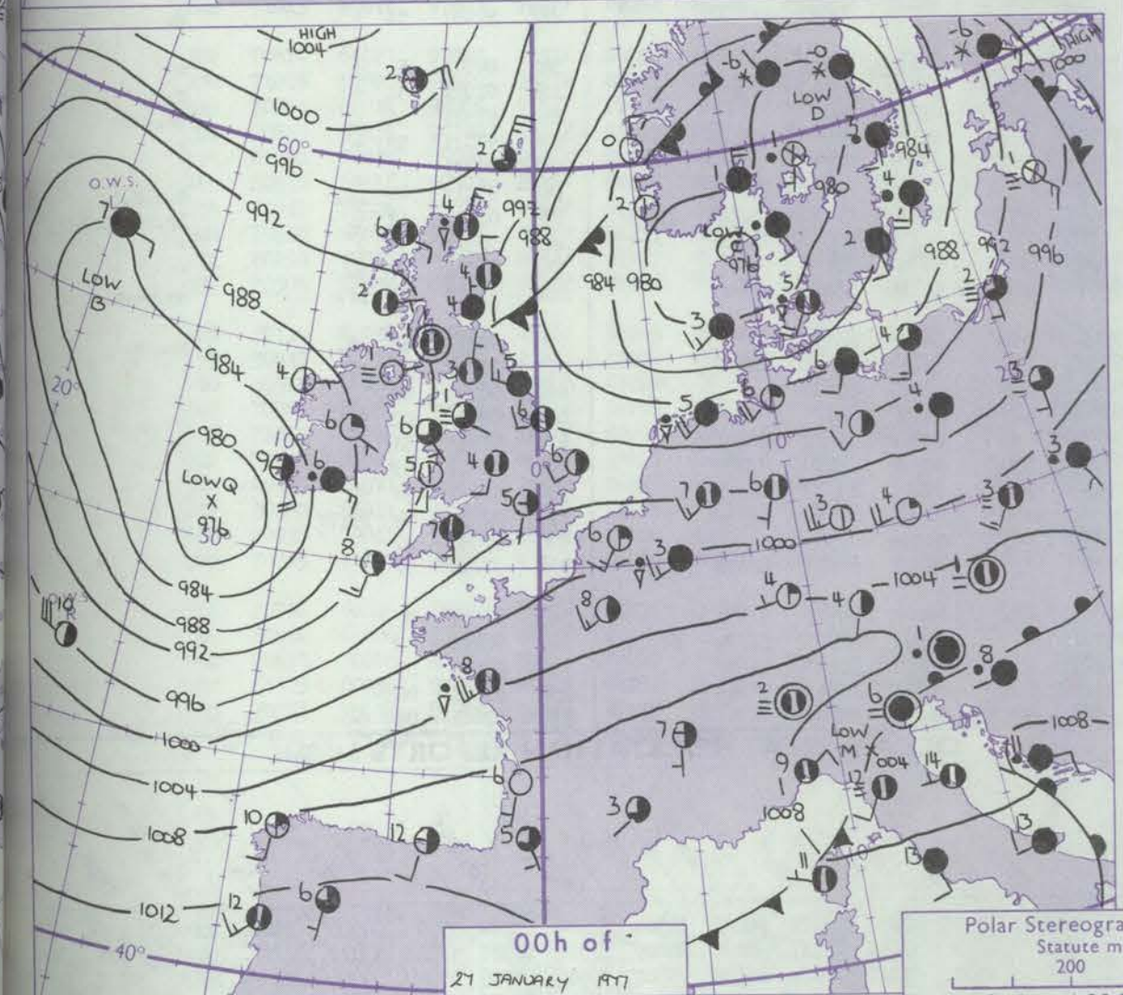
O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_vapp	$8N_sC_hs_hs$	$8N_sC_hs_hs$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	26181	73113	97158	12704	63430	00220	/////	/////	05302	10607	30706	36410
L	99570	70196	26184	71807	98258	82307	33432	00319	81914	83645	0//04	10944	30301	17006
M	99660	10015	26184	70438	96878	97100	79400	00306	/////	/////	06356	10673	30910	/////
R	99468	70173	26184	72637	97608	91710	6246/	61322	86815	84359	0//08	11150	31220	/////

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 27 JANUARY 1977

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours the complex depression in the North Sea has filled and moved slowly northeast to Denmark and south Norway, while the associated occluded front to the north of the depression has swung south across to Shetlands into the North Sea. Another depression to the west of Ireland has moved slowly east and filled slowly. During the next 24 hours the depression to the west of Ireland will continue to fill and move east across southern England, with frontal troughs crossing southern England, and a colder northerly airstream moving across Scotland.

Code FM 11.V

OBSERVATIONS at 00h. 27 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	32111	80018	95805	15631	05203	81630	83075	
Hurn	862	62210	80031	96308	656//	07102	86633		
Manston	797	22211	80020	96305	10931	04306	81359		
Gatwick	776	72209	58038	96406	754//	06205	85614	87620	
Kew	775								
Heathrow	772	51901	62031	95805	45431	04007	81713	83630	
Honington	586	72410	62032	94505	35602	03215	83640	86072	
Wattisham	590	32409	65038	95003	25702	03213	82650		
Gorleston	497	42410	66021	94106	45500	04214	84620		
Aberporth	502	11810	65258	92505	13401	04202	81915		
Filton	628	61805	65808	94706	684//	05006	83814	86635	
Rhoose	715	62006	72018	94506	654//	05303	83616	86622	
Hartland Point	703	22118	74021	93408	22500	06102	82820		
Mount Batten	827	02312	68011	94908	00900	07803			
St. Mawgan	817	31911	75031	93807	22460	06707	82816		
Scilly	804	42116	80018	92808	42560	06716	84820		
Culdrose	809	81816	64101	94208	884//	08807	82818	88650	
Guernsey	894								
Elmdon	534	72108	62038	94404	756//	03308	83630	86643	
Cardington	559	82111	66801	95005	885//	04310	83820	88635	
Wittering	462	62607	75032	94403	15738	01214	81650	86275	
Watnall	354	42406	40101	93803	15732	03114	81650	84070	
Shawbury	414	62002	70031	93402	45502	02206	84620	85075	
Finningley	360	72207	57102	93202	00908	02117	87275		
Spurn Point	396	72609	63032	93106	7097/	03218	87360		
Leeming	257	72706	75022	92504	755//	02216	82628	87657	
Tynemouth	262	82705	69026	92305	856//	03320	88630		
Carlisle	222	70103	62036	92403	6553/	03217	82625	86635	
Valley	302	61507	65031	92506	55302	05306	82709	85615	
Ringway	334	61807	50042	93804	25631	03211	82640	85070	
Squires Gate	318	61302	08461	92901	00901	01213	86072		
Ronaldsway	204	50206	60012	92202	36408	51209	83711	85273	
Mull of Galloway	131	20000	66020	91905	00905	04109	82275		
Eskdalemuir	162								
Prestwick	135	70000	58042	92101	30972	01215	83360	86070	
Abbotsinch	140	50000	57041	92150	25631	51316	82640	84362	
Leuchars	171	83605	70026	92504	854//	03221	83618	88635	
Dyce	091	73508	65258	92504	784//	01223	81712	84820	87643
Lerwick	005	60324	70018	93502	684//	53323	81812	86650	
Wick	075	70216	75808	93704	785//	51225	83820	87634	
Sule Skerry	010	80524	74022	95104	885//	03226	84820	88625	
Cape Wrath	049	80909	70025	93704	875//	03226	88720		
Stornoway	026	71012	75031	93606	784//	04224	83818	84626	87640
Benbecula	022	00402	75111	92501	00900	01212			
Tiree	100	70707	58121	91702	15608	02210	81635	87275	
Aldergrove	917	00602	02424	91801	00900	00309			
Malin	980	11107	62011	90605	16402	04308	81711		
Belmullet	976	10806	72030	86504	15600	03602	81640		
Birr	965	21306	70011	88606	25600	05703	82640		
Dublin	969	41501	56111	90404	25630	04601	82645	83359	
Shannon	962	51313	58101	86307	564//	05709	85717		
Roches Point	952	81316	65606	86909	864//	07817	84717	88638	
Valentia	953	51519	75038	82409	52500	06620	85822		

OBSERVATIONS at 06h. 27 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	71606	65038	95405	783//	05501	83708	86620	
862	51911	75818	95507	58400	06604	84815		
797	82209	70031	96606	884//	05303	82818	88656	
776	82206	56256	96606	854//	06304	85615	88650	
775	61702	65801	96103	685//	03302	83825	86640	
772	52005	59031	96006	55600	05103	85642		
586	72305	57606	95305	756//	04307	87640		
590	82308	30608	95605	852//	05305	83703	85628	88650
497	32704	64021	95604	30930	03209	83358		
502	61514	60801	90605	633//	04611	81707	85915	
628	71507	63608	93905	784//	05705	81814	85630	87645
715	81108	58808	92906	894//	05710	82710	84916	88625
703	81820	66636	90707	856//	07716	88640		
827	72020	65808	91609	794//	08718	82713	87916	
817	31915	70258	90307	38400	06616	82815		
804	72123	62036	88009	755//	07724	87620		
809	81918	60806	90408	884//	08619	83818	88630	
894								
534	51102	50118	94704	55200	04304	82704	84647	
559	41908	60108	95505	45700	05304	84656		
462	72106	62022	95303	655/8	02307	83626	86646	
354	70101	20101	95102	756//	02209	87640		
414	10903	60048	93404	15501	03000	81620		
360	52002	25102	95150	00908	50311	85275		
396	13207	58011	94904	10970	03211	81360		
257	80000	75026	95103	855//	02214	83625	88643	
262	73510	69022	95605	756//	03215	87635		
222	81008	60025	94804	855//	03213	82622	88637	
302	20908	62216	92005	25400	05602	81710		
334	70907	62031	94602	755//	01206	83620	87650	
318	90807	01478	93902	9////	02208	89///		
204	50914	62022	92706	45202	05305	81705	84616	
131	81216	64112	93205	864//	04209	88710		
162								
135	81010	59602	94504	854//	02214	81714	84618	88650
140	70710	60041	95305	755//	02218	82620	87628	
171	80106	75022	96503	856//	50220	88634		
091	83506	75028	96803	885//	51321	83826	88643	
005	60319	70278	97602	694//	54223	86915		
075	70217	80028	97803	755//	55219	83624	87642	
010	80526	74022	99104	855//	51223	88625		
049	80511	70022	97704	865//	01219	88720		
026	61011	80031	98204	655//	00221	81622	86640	
022	50711	75011	96204	35630	03227	83630	83360	
100	30914	82031	94405	15601	03219	81635	83075	
917	30708	18404	92003	36000	02304	81700	83714	
980	01018	70020	91606	00900	04308			
976	80913	57101	87105	854//	04207	83718	88638	
965	40909	66018	86707	485//	06607	81820	84636	
969	80904	30104	89906	860//	06502	82701	85704	87710
962	51011	80026	84207	58500	05606	82820	85640	
952	71216	65256	83009	754//	08618	83713	87643	
953	50808	75258	80208	52500	06604	85820		

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–0[illegible]
746	01041	01	+	pr.ir.rr.
862	94001	04	pr.	prpr.
797	01051	02	+	r.r
776	02041	01	pr.r.	r.Rrpr.
775	91021	51	+	ifpr.
772	00041	51	+	+
586	95051	02	r.	r.r.
590	02021	50	pr.pr	pr.r.r
497				
502	02041	03	pr.	prpr.
628	04031	51	pr.pr	r.rprpR
715	08031	01	pr.	pr.prpr.r.r
703	04072	05		
827	01081	05	+	pr.
817	06061	04	pr.pr	prpr.
804	03082	05	prir	+
809	15062	06	pr	irpr.
894				
534	97031	01	+	pr.ff
559	03041	01	pr.rrRr.r.	r.r.
462	97011	53	+	r.
354	91011	53	+	fr.
414	01011	54	+	pr.prfFF
360	00523	55	+	ff
396			+	+
257	97031	01	r.	+
262	91051	03	+	pr
222	97031	51	+	d.
302	04041	50	+	rr
334	01021	51	+	r.r.
318	97511	52	ff	pr.ffF
204	97011	52	+	r.
131	00031			
162	93011	00	pr.	d.d.d.r.
135	01011	52	+	ir.r.r.d.d.
140	00511	55	+	+
171	97031	50	r.	+
091	91011	01	pr.	pr.ps.r.
005	92513	52	ps.	pr.ph.
075	97031	00	pr.	+
010	00041	02		
049	00031	02	+	+
026	97011	51	+	pr.
022	00011	53	+	+
100	00011	54	+	+
917	92511	54	FFfFf	jf
980	97031	52		
976	97041	02		
965	97051	02		
969	97041	52		
962	01051	03		
052	91081	06		
953	02061	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	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	27001	73214	98268	15903	73400	00220	/////	/////	05401	10619	3//07	36/10
L	99570	70196	27004	81009	97211	84707	5857/	00312	82820	84650	0//03	10957	30302	99/04
M	99660	10012	27004	60130	97278	97101	69400	00803	/////	/////	06153	10670	30909	/////
R	99469	70172	27004	42929	97258	97010	42400	61323	84815	/////	0//07	11135	30605	25316

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	27061	53412	98018	18304	53400	00704	/////	/////	05452	10600	3//06	36/10
L	99570	70198	27064	41017	98026	84009	22501	00301	82820	83072	0//07	10941	30603	36806
M	99659	10009	27064	73624	96878	95800	79400	00709	/////	/////	06253	10602	30707	/////
R	99470	70169	27064	22925	98028	99809	22400	61306	82815	/////	0//06	11147	30706	25312

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, Me[illegible]

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42071

Date of Issue FRIDAY 28 JANUARY 1977

FM 11.V

OBSERVATIONS at 12h. 27 JANUARY 1977

tion	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
combe Down	746	81611	58608	94307	6532/	06804	83706	85708	86650
rn	862	71913	62018	94709	754//	08501	83710	87616	
inston	797	71913	60036	98008	783//	06006	83708	83811	86638
twick	776	81910	56608	96707	7732/	07400	85708	87712	88460
w	775	81606	58608	96408	873//	06801	86708	86710	
athrow	772	81508	5921[illegible]	96208	853//	06701	82709	83711	88613
nington	586	70000	57026	97008	31332	06109	81707	83812	86070
ttisham	590	61706	56056	97307	38402	06005	81815	83650	85075
rleston	497	80000	56051	98206	855//	04214	88620		
erporth	502	71413	61618	89707	753//	05500	85708	87633	
ton	628	71414	60258	92608	783//	07705	83708	84612	87620
oose	715	81910	50808	91807	881//	06501	81702	84610	88624
rtland Point	703	62320	60026	89809	45570	06301	84625	86360	
unt Batten	827	62421	60258	91909	53443	07309	81710	81916	83818
Mawgan	817	62217	70258	90909	58432	06210	83812	83618	85075
lly	804	72527	60038	90610	784//	07213	86816		
ldrose	809	72219	57808	91009	784//	09112	83712	84818	87630
ernsey	894								
ndon	534	81010	45614	94706	862//	05805	87704	88709	
rdington	559	71208	58251	96407	784//	07000	82815	83820	85630
ttering	462	80707	03446	96605	860//	05005	86700	88701	
tnall	354	80712	10286	96204	852//	04105	82703	87705	88640
wbury	414	81108	11638	94005	870//	05802	83700	85702	88704
ningley	360	80802	08604	97302	855//	02112	88622		
urn Point	396	60000	20051	97905	656//	04215	86630		
eming	257	80605	70032	98105	854//	01214	82616	88626	
nemouth	262	80815	69028	99105	2567/	03218	82630	88358	
rlisle	222	71013	80016	97605	784//	02213	81713	85638	85650
lley	302	70814	65021	92007	1157/	04000	81820	84359	
ngway	334	71015	58026	95606	35772	02107	83650	84360	86070
quires Gate	318	70915	60214	94905	755//	04005	84628	86640	
naldsway	204	70823	63016	94106	754//	03109	81713	87628	
ull of Galloway	131	61030	80034	95404	2565/	02213	82630	86360	
kdalemuir	162	80510	68516	98303	854//	00114	82714	85625	88635
restwick	135	70917	78026	97604	754//	01115	81715	83634	87656
bbotsinch	140	70810	68022	98704	58532	51215	81826	85645	
euchars	171	80210	78022	00003	885//	51217	81820	86635	88645
yce	091	70306	68057	00903	785//	51221	81822	83645	85656
erwick	005	50110	82038	01700	49460	54218	81710	84912	
Wick	075	30415	82011	01803	23430	52219	82818	81918	
ule Skerry	010	50513	66278	03403	53500	01222	85920		
Cape Wrath	049	70509	80858	02502	785//	01220	87820		
tornoway	026	71012	56158	02204	784//	02219	81712	83815	87642
enbecula	022	70718	82021	00605	28432	53221	81818	86358	
Tiree	100	60915	84011	98905	28532	01225	81820	85075	
Aldergrove	917	50720	67011	94605	35430	01214	81712	84360	
Malin	980	70936	75011	95106	38406	01120	82816	86270	
Belmullet	976	70715	70031	90908	754//	05224	82717	86638	
Birr	965	70714	60618	88307	764//	05214	86712	86633	
Dublin	969	80812	65606	90807	864//	05212	85715	88620	
Shannon	962	70613	70808	86208	784//	06220	82710	85820	86635
Roches Point	952	61103	60038	84110	49403	09219	82712	84916	86071
Valentia	953	70208	75018	85909	764//	07239	84711	87820	

OBSERVATIONS at 18h. 27 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	82016	62608	94007	854//	06104	82712	85620	88650
862	72116	65256	95009	754//	06107	82712	86618	87635
797	71910	65218	97507	783//	06101	82708	83816	87650
776	72110	58806	96108	5947/	06303	83710	83815	81918
775	61810	65016	95208	654//	05802	81715	86625	
772	71809	60026	95208	68432	06500	82615	85622	85075
586	81207	35616	95807	872//	06707	87703	88705	
590	81611	45216	96007	871//	07709	84702	88703	
497								
502	81411	62026	88106	5547/	05606	81710	85630	88460
628	82110	40618	91708	6532/	07502	82707	85620	88530
715	82409	61218	91007	5527/	06500	81703	85615	87358
703	82640	48636	88808	873//	07103	88708		
827	82525	50218	93509	5532/	06313	81709	85620	88558
817	82730	35598	92908	853//	06223	84709	86711	88617
804	62732	60028	94209	684//	06228	82817	85626	
809	72326	57058	94009	784//	07229	82818	87630	
894								
534	71107	60216	92907	753//	06604	82708	83622	87633
559	81309	50616	94507	853//	07607	84709	88620	
462	81310	27636	94807	852//	06607	83704	86706	88617
354	80716	20636	94804	871//	04704	86702	88704	
414	80813	27616	92106	852//	05605	83705	84708	88612
360	80813	61636	96804	854//	03303	86712	88619	
396	80822	66026	98205	855//	02400	88625		
257	80608	70016	99104	884//	50308	83818	88640	
262	70818	69022	00605	756//	51206	87635		
222	70812	68032	99103	25732	00311	82650	87072	
302	70725	57216	92105	5567/	03205	85633	87359	
334	80819	65616	94905	6547/	01301	83714	85645	88358
318	80819	62636	95604	5632/	03310	85708	88524	
204	70726	63028	95505	755//	02211	83720	87628	
131	70932	80022	96604	1563/	01212	81630	87360	
162	80312	65705	00101	854//	51209	84710	88635	
135	70817	68022	99603	58532	00315	81822	84640	85070
140	70810	68022	01003	785//	50315	81824	84634	87656
171	80213	70272	02403	885//	51213	82820	86634	88645
091	73609	40852	03901	784//	51216	85815	85640	
005	33207	70028	03351	39200	54206	81704	83912	
075	23508	80028	04700	28530	54212	81820		
010	40512	74158	05403	43500	52209	84920		
049	60909	82028	05102	4853/	02211	84820	86360	
026	40813	75278	05303	48400	51216	83817		
022	50613	80011	03703	28402	52217	81818	84075	
100	70611	86031	01704	785//	50215	81825	83630	87645
917	70612	70028	97405	754//	00221	82616	87633	
980	60727	75012	98506	584/2	02320	81715	85630	
976	70516	59101	95406	764//	03226	84715	85638	
965	80512	58106	92806	864//	05331	87715	88632	
969	60719	58586	92806	864//	04218	88711		
962	80308	82218	91807	854//	04232	82714	85622	86630
952	83603	67038	90608	823//	07240	83708	86816	
953	70000	82022	91608	785//	07227	84820	86630	

OBSERVATIONS during DAY

iii	RRT T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	03081	000	pr.ir.pr	pr.r.r.
862	07091	00[illegible]	r.rRpr.	pr.pR
797	01081	002	ir.pr.ir.	ir.rr.
776	03081	000	pr.r.r	r.pr.
775	02091	001	pr.r.rR	r.
772	02091	000	d.r.rr.[illegible]dr	d.r.-r.
586	05091	003	r.	r.rR
590	04081	015	r.r	r.rrr.
497		000		
502	03071	002	pr.ir.r.r.	ir.
628	10091	000	pr.pRprpRpr.	ir.r.rr.r.
715	11091	001	pr.pr	pr.prrr.r
703	04082	012		
827	03101	009	pr.HRpr	prr.
817	04101	017	pr.pr	drd.r.d.r.
804	92101	013	pr	pr
809	01101	007	pr.	pr.
894		025		
534	09072	000	Ffr.r.r	r.rr.rr
559	06082	003	pr.r.rrr.r.	r.r.rr
462	14072	000	ffr.r	rRrrdrR
354	10052	000	r.ffr	r.r.rR
414	12061	000	pr.ffr.r.r	Rr.r.rr
360	05052	000	ffr.r.d.r.d.	r.r.rrrs
396			ir.	ir.r.r.
257	97051	000	r.	r.pr.
262	00061		+	+
222	97051	003	r.	+
302	01081	002	r.r.	r.ir.
334	02061	001	r.r.r	r.r.r
318	01071	002	ir.	r.r
204	94061	004	r.pr.	r.r.
131	00051			
162	97031	000	d.r.d.d.	s.
135	91051	000	d.d.	+
140	00051	000	+	+
171	97041	000	jp	ph.ps.
091	97045	000	sh	ps.
005	94015	031	ps.	ps.ps
075	97043	039	ps.	ps.
010	97050			
049	97031	020	ps.	ps.
026	01045	011	pr.ph.	ph.r.pr.s.prs
022	00051	034	+	+
100	00051	048	+	+
917	97051	012	pr.	+
980	9707	010		
976	0008	033		
965	0207	000		
969	0107	000		
962	0109	002		
952	0311	020		
953	9410	012		

e FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

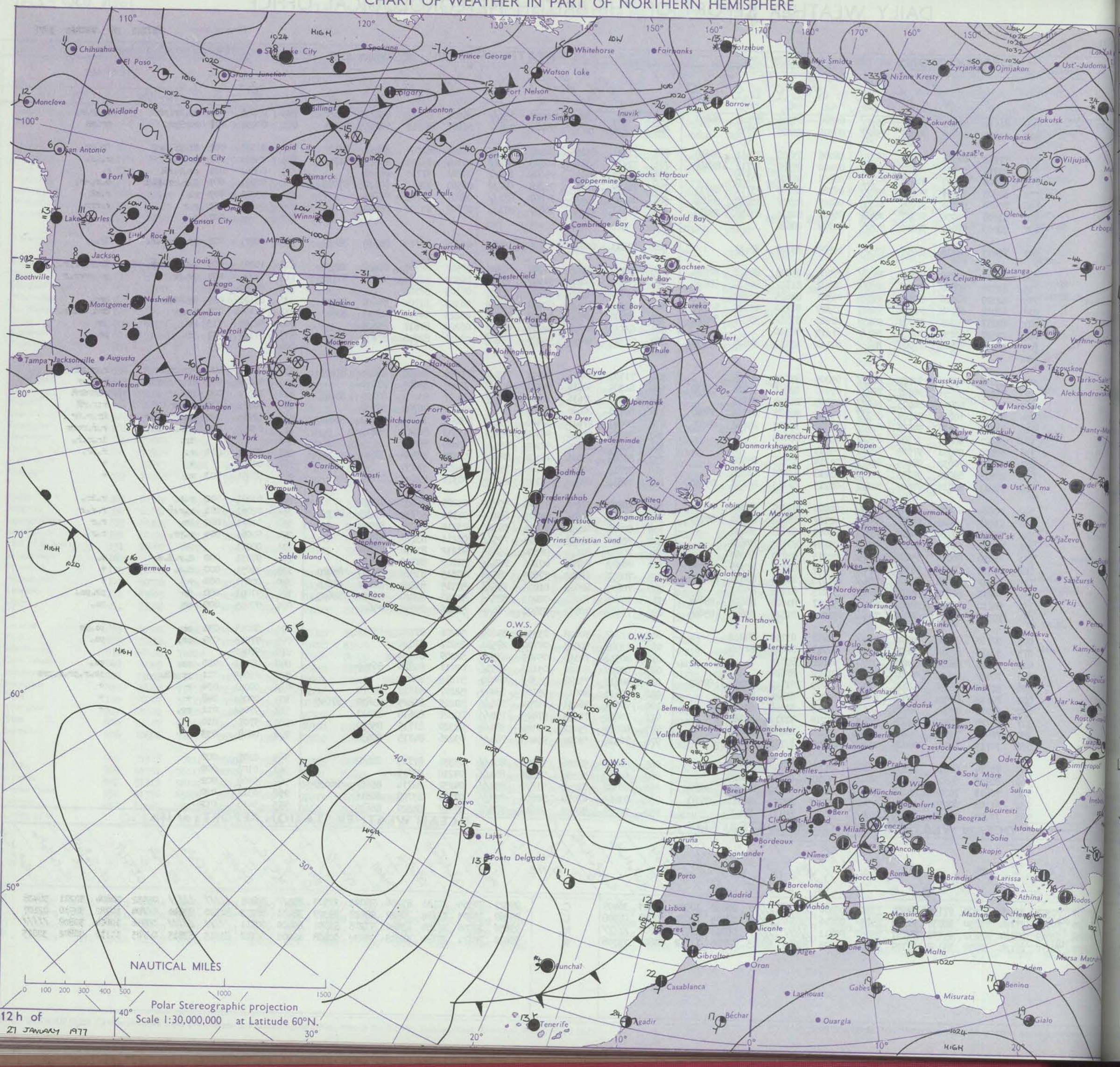
W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	27121	73209	97152	19504	73400	00400	/////	/////	05452	10591	30403	36409
L	99570	70199	27124	71030	98038	92208	4533/	00246	82706	84628	0//05	10957	30908	07908
M	99658	10009	27124	63232	97278	94101	59460	00811	/////	/////	06053	10591	30707	/////
R	99470	70170	27124	62918	98158	01109	59402	61208	83915	82815	0//06	11112	30804	25306

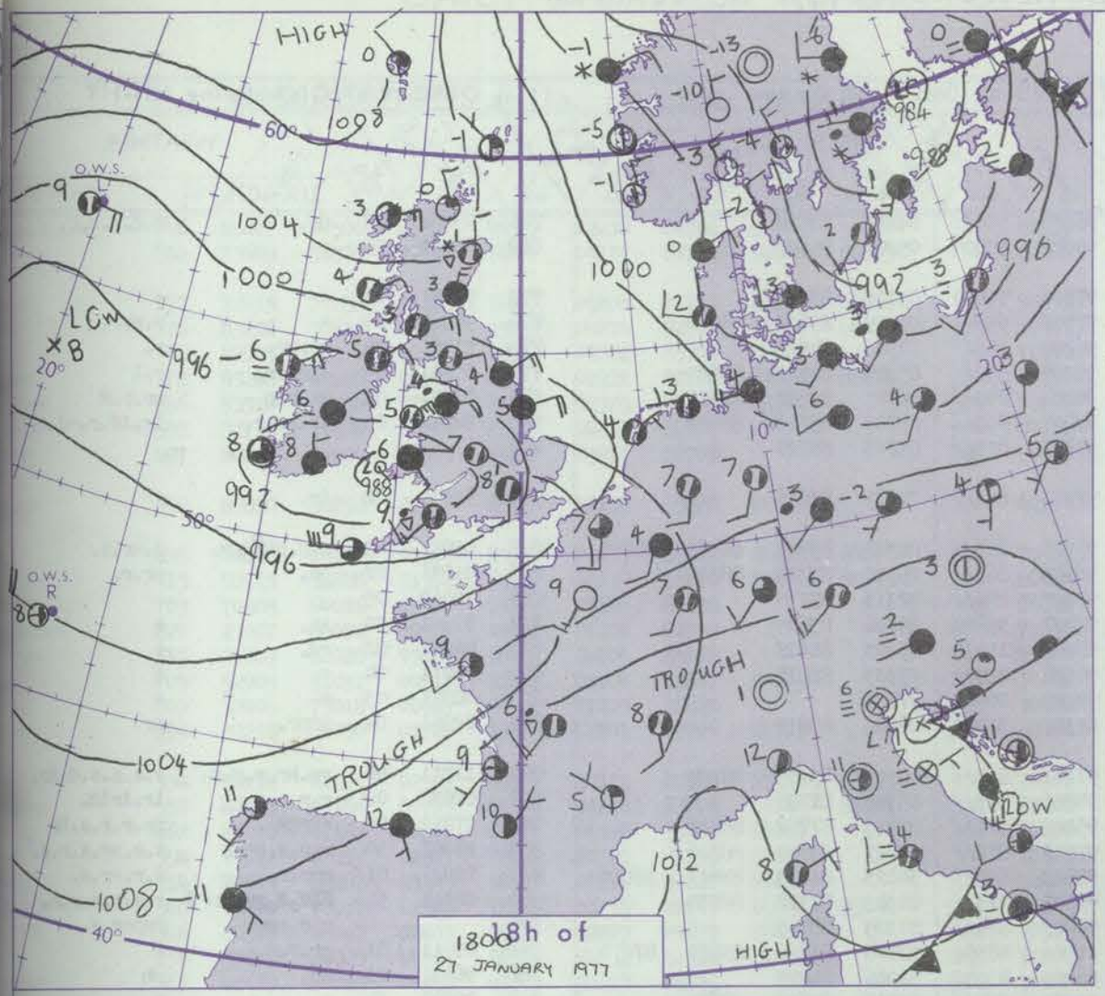
OCEAN WEATHER STATION REPORTS at 18h.

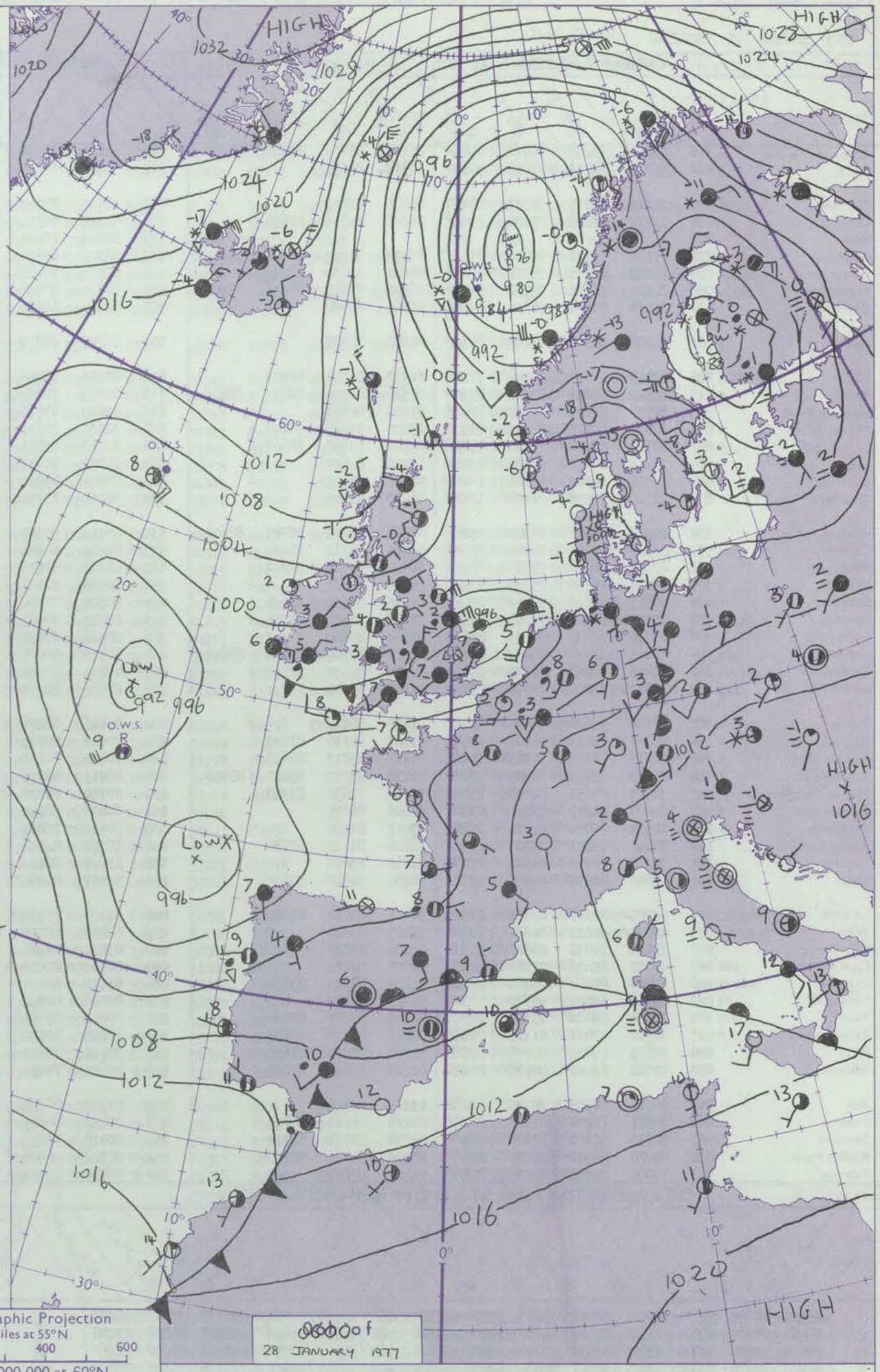
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	27181	83206	98022	17503	855//	00808	/////	/////	05552	10604	30201	36408
L	99569	70203	27184	70922	98018	99309	38431	00233	82710	83640	0//04	10982	30910	02107
M	99656	10008	27184	63440	97278	91901	69400	00711	/////	/////	05956	10604	30808	/////
R	99470	70171	27184	52818	98032	00808	49401	00102	81915	83815	0//05	11138	30802	30005

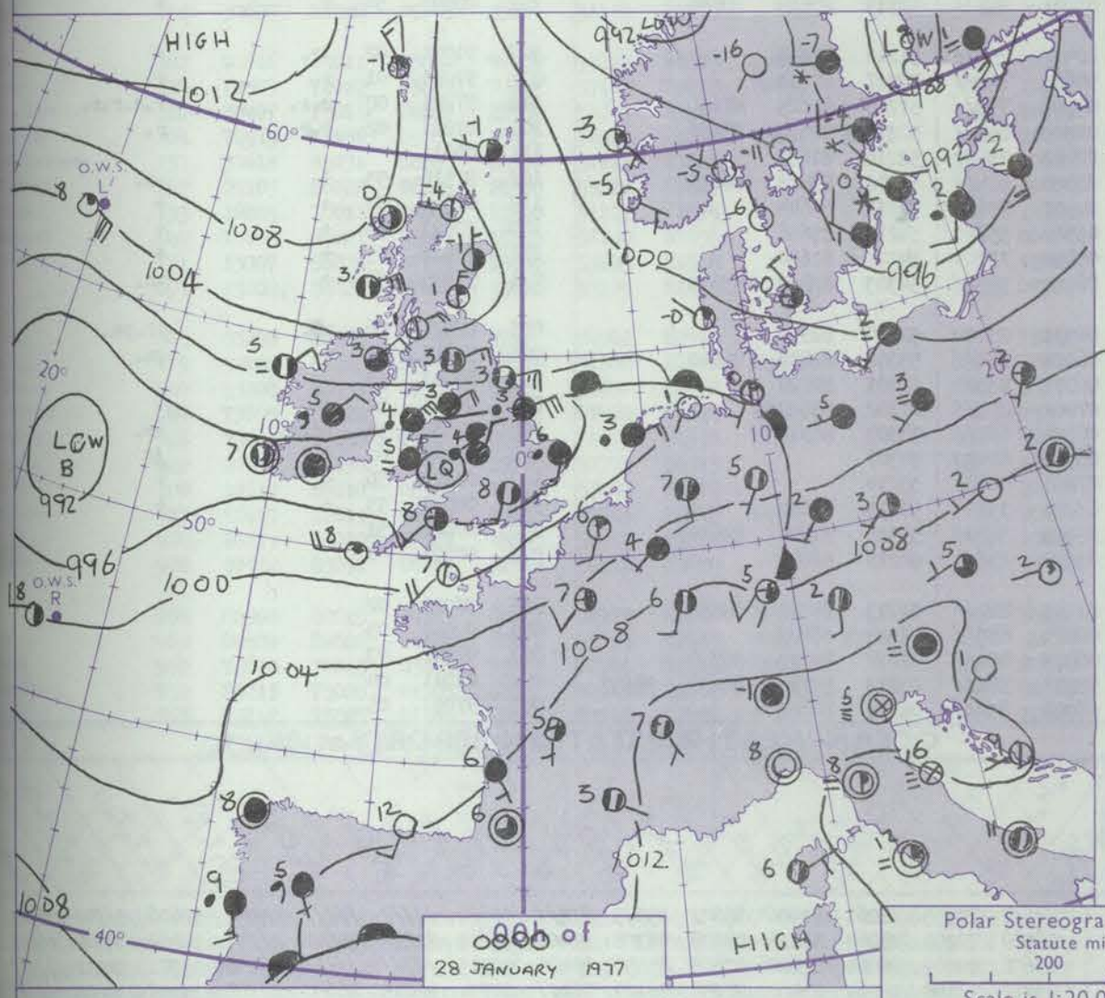
imes of observation printed in this publication are GREENWICH MEAN TIME.

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 28 JANUARY 1977

During the past 24 hours a small but vigorous depression moved eastwards from the Bristol Channel to East Anglia, filling steadily during this period. A further depression to the west of Ireland moved slowly southwards. During the next 24 hours the depression to the southwest of Ireland will move southeastwards towards the Bay of Biscay, whilst the depression over East Anglia will continue to move eastwards and fill. A cold northeasterly airstream will become established over the British Isles.

Code FM 11.V

OBSERVATIONS at 00h. 28 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	82220	70256	95407	884//	04108	83815	85620	88650
Hurn	862	52413	75012	97009	55600	04312	85630		
Manston	797	12116	80011	98307	18400	05205	81812		
Gatwick	776	72217	62028	97208	754//	05207	81615	87634	
Kew	775								
Heathrow	772	72115	70216	95808	755//	05205	81622	84632	87656
Honington	586	81812	40216	95307	856//	06502	82632	88643	
Wattisham	590	82012	56606	95907	854//	06500	83612	86616	88650
Gorleston	497	81914	50646	96206	855//	05704	88620		
Aberporth	502	80209	56106	93205	863//	05232	88707		
Filton	628	72413	62816	93507	793//	06210	85707	87912	
Rhoose	715	82512	65038	93407	853//	07319	82706	86709	88616
Hartland Point	703	82730	69626	94307	874//	07235	88710		
Mount Batten	827	62619	60026	97309	68500	05220	81820	86640	
St. Mawgan	817	82621	60206	97008	4567/	05224	84630	88360	
Scilly	804	22718	60021	98908	22400	05215	82817		
Culdrose	809	12320	64021	98308	11400	07218	81818		
Guernsey	894	12320	70258	01407	12432	06210	81815		
Elmdon	534	80310	45656	93204	852//	03304	83703	86705	88610
Cardington	559	81816	60606	94408	854//	06305	84712	88620	
Wittering	462	82109	58616	93707	872//	06502	83704	88707	
Watnall	354	90517	09736	95300	9////	00305	89///		
Shawbury	414	80813	64606	94003	854//	01215	84710	88614	
Finningley	360	80514	62607	97303	873//	02103	82706	88708	
Spurn Point	396	80730	66636	97703	855//	02804	88620		
Leeming	257	80408	62618	00602	853//	00108	83706	85712	88645
Tynemouth	262	70828	69028	01704	2567/	52207	82630	87358	
Carlisle	222	70813	75022	01003	756//	51213	87649		
Valley	302	80524	58606	96204	854//	01228	88616		
Ringway	334	70820	75036	95703	754//	51307	84716	87650	
Squires Gate	318	80718	70036	97803	854//	01217	85713	88618	
Ronaldsway	204	80723	63612	98903	5542/	01218	83713	83620	88556
Mull of Galloway	131	30825	84031	00103	15630	51218	81630	83360	
Eskdalemuir	162	60209	81017	02101	656//	54209	86635		
Prestwick	135	10514	70021	02801	15701	52217	81650		
Abbotsinch	140	70410	75021	03502	755//	52216	81628	87636	
Leuchars	171	30118	82018	04801	35700	51212	83650		
Dyce	091	43603	80038	05851	48500	54209	81820	83635	
Lerwick	005	42907	70268	03851	23402	54001	82912	83072	
Wick	075	12707	82021	06254	18560	55205	81820		
Sule Skerry	010	33410	74038	06803	33500	52104	83920		
Cape Wrath	049	43602	85038	07102	48500	00207	84820		
Stornoway	026	40000	80268	07600	49400	51209	82915	83635	
Benbecula	022	10310	82021	06900	12500	51213	81820		
Tiree	100	70614	84022	05303	785//	52218	82825	87650	
Aldergrove	917	60510	70021	01103	655//	52217	83626	86638	
Malin	980	70723	75022	02405	785//	51220	85820	87638	
Belmullet	976	70512	62102	00105	754//	02219	83718	87638	
Birr	965	80511	60505	98105	864//	03225	88713		
Dublin	969	80517	70206	97905	864//	02225	84711	88714	
Shannon	962	80710	57106	97506	863//	03230	81708	88714	
Roches Point	952	80000	56586	96007	863//	06226	84706	88710	
Valentia	953	70000	82018	95907	756//	05120	87645		

OBSERVATIONS at 06h. 28 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	82412	70502	96807	854//	04207	88614		
862	52410	70031	98008	55600	05209	85647		
797	12115	80011	97806	15600	05105	81640		
776	62314	66031	97507	655//	05205	83620	86640	
775	82113	75026	96208	855//	04303	88625		
772	82212	68216	96207	855//	05305	82620	88625	
586	82014	50626	94107	854//	06705	85710	88614	
590	82115	57506	94807	854//	05705	85710	88619	
497	82014	62216	95007	875//	05706	88720		
502	80809	65012	97903	857//	01221	88656		
628	80209	58058	97503	862//	02327	83705	85707	88710
715	82903	57028	96905	862//	05317	83704	88710	
703	82812	83616	97207	874//	07313	88710		
827	32613	70011	98407	35600	05206	83645		
817	22713	65011	98007	15430	05203	81618		
804	22712	81031	99508	22400	05303	82817		
809	02409	65020	99207	00900	07204			
894	32112	75258	01307	32400	06002	83815		
534	80114	59507	97201	862//	00123	83705	88707	
559	82512	60606	94806	873//	05308	88708		
462	80117	62616	95102	871//	01315	87702	88703	
354	80318	20717	97400	872//	50321	83704	88706	
414	80308	72026	98803	854//	50223	81613	84616	88620
360	80215	50687	99101	7732/	00312	87707	88550	
396	80626	63637	97802	874//	01305	88715		
257	70410	80026	01503	48502	53308	81825	83650	87070
262	40825	80028	03204	43500	51206	84925		
222	80606	81031	03001	855//	52313	82628	88650	
302	70616	68016	00004	756//	51216	87638		
334	70615	80022	99602	764//	52227	87712		
318	70711	70237	00702	755//	51218	82625	87650	
204	80411	68216	01503	855//	50214	82620	88626	
131	10720	84030	02802	15600	52216	81630		
162	60408	58851	03850	684//	51312	83816	86635	
135	70610	75021	04901	756//	52212	87645		
140	50507	82012	05301	55700	54212	85656		
171	13609	82011	05850	15700	54207	81650		
091	52909	80261	06451	585//	54303	82820	83635	
005	33407	75268	04051	23402	52500	82912		
075	62808	68158	06454	684//	55302	82818	86642	
010	43514	74268	06903	43500	51301	84920		
049	80502	82031	07402	855//	01702	88620		
026	63410	60851	08352	694//	53307	86912		
022	00000	82020	08452	00900	54307			
100	00611	89010	07451	00900	53214			
917	10308	80031	03701	15700	52213	81650		
980	30620	75011	05104	38500	51315	81820	83650	
976	20607	74031	03602	25600	50219	82640		
965	80309	60105	01103	864//	02213	84717	88632	
969	80712	80605	00704	855//	01215	88623		
962	80410	75022	00805	864//	02217	84712	86718	
952	80308	56506	98805	864//	03213	85716	86630	88637
953	80914	82032	98006	856//	04311	88645		

OBSERVATIONS during NIGHT

iii	RRT$_n$T$_n$E	TgTg	WEATHER 21h.–03h.	WEATHER 03h.–0
746	93031	03	pr.	d.d.r.d.r.
862	00061	05	+	+
797	00061	03	+	+
776	94061	04	+	r.rpr.
775	91061	05	ir.rr.	r.
772	01051	05	d.r.rr.	r.l
586	07051	05	Rr.r.r	rr.r.R
590	94061	05	ir.rr.r.	ir.id.r.-d.r.
497				
502	92031	02	ir.	+
628	05021	02	r.r.pRRd.r.	d.-r.s.
715	01031	02	pr.	pr.r.
703	10062	05		
827	91061	50	ir.	+
817	01051	02	rd.	+
804	00071	04	+	+
809	00051	03	+	+
894	02061	04	prpr.	pr.
534	12011	50	rr.Rr.r.r.s.	r.s.s.s.d.ir.
559	02032	02	r.r	ir.irid.
462	17012	00	rRrRR	rr.r.r.s.hr
354	14007	50	r.r.s.ssff	s.s.sr.s.r.s.
414	02021	01	rrr.r.	r.r.-r.s.
360	08011	51	FSr.C...rsrs	s.s.r.s.r.s.
396			r.r.rrrs	rsrrr.s
257	01011	51	pr.r.r.	+
262	96031	01	pr.	ph
222	00503	54	+	+
302	91031	02	ir.	+
334	97021	01	r.	+
318	97021	00	r.s.	r.s.r.s.s.
204	01021	02	r.r.	r.
131	00011			
162	97516	53	+	ps.
135	00513	52	+	+
140	00523	56	+	+
171	00523	55	+	+
091	97535	57	+	ps.
005	02527	56	ps.	ph.ps.
075	95557	57	+	ps.
010	01003	53		
049	00011	52	+	+
026	01535	55	psps.	ps.
022	00543	61	+	jp
100	00523	56	+	+
917	00003	53	+	+
980	00041	51		
976	00021	00		
965	97021	02		
969	92041	03		
962	97041	03		
952	01041	04		
953	97051	05		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	99LaLaLa	QcLoLoLoLo	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	28001	70502	98022	14703	75500	00724	/////	/////	05451	10597	3////	36/08
L	99569	70204	28004	21128	99018	04708	00902	21226	82075	/////	0//05	10995	30909	03108
M	99654	10010	28004	43245	97038	88702	25405	00718	/////	/////	05755	10563	31010	/////
R	99470	70170	28004	42619	97011	00808	42400	00804	84815	/////	0//06	11116	30802	30004

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	99LaLaLa	QcLoLoLoLo	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$
C	99527	70355	28061	81006	98022	09903	855//	00624	/////	/////	05551	10606	3//02
L	99569	70202	28064	51118	98028	06308	58400	00214	82818	84640	0//01	10960	30909
M	99656	10009	28064	83618	93868	85550	89400	00515	/////	/////	06250	10572	31012
R	99470	70168	28064	72430	97258	96109	784//	00734	86815	86650	0//08	11149	30804

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

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42072

Date of Issue SATURDAY 29 JANUARY 1977

FM 11.V

OBSERVATIONS at 12h. 28 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_{app}$	$8N_s C_h s_h s_s$	$8N_s C_h s_h s_s$	$8N_s C_h s_h s_s$
ombe Down	746	83407	69506	01302	853//	02218	86706	88615	
	862	73609	56508	00704	782//	04117	81705	86710	86615
ston	797	72415	70258	98208	784//	05203	81712	84817	86645
wick	776	83208	50618	99804	852//	04214	82704	84706	88616
	775	82905	58216	00303	853//	01222	85708	88620	
throw	772	83208	65206	00303	853//	02222	82708	86709	88618
ington	586	83514	59586	97703	872//	02325	87704	88706	
tisham	590	82716	19506	97004	870//	04211	88701		
leston	497	80218	24506	96505	872//	03213	88703		
rporth	502	80810	80252	01903	885//	50116	85820	88640	
n	628	80208	65207	01503	853//	01115	83709	86612	88630
ose	715	80513	58688	01502	6542/	01118	83710	85620	88545
land Point	703	70508	64016	99506	756//	05206	87630		
nt Batten	827	23007	80020	99909	18531	06104	81820		
Mawgan	817	22609	82020	99809	18431	04204	81818		
y	804	52905	81031	00510	22402	05004	82817	84075	
drose	809	32406	75018	00609	22502	07103	82825		
rnsey	894	32210	80030	01708	29333	07801	82706	81915	
don	534	80212	61217	02302	853//	50121	82708	85710	88615
dington	559	83413	60586	00703	853//	01226	83706	86708	88617
ttering	462	80116	61587	00802	872//	01126	84705	88707	
tnall	354	70212	65017	02301	7842/	50120	81810	87656	
wbury	414	70310	68267	03203	68432	00116	83817	86656	
ingley	360	73510	70037	02803	783//	01115	82709	85816	85650
m Point	396	80520	66027	02403	4562/	50223	84630	88460	
ming	257	50515	80028	04104	58500	54112	82820	84640	
emouth	262	40619	80268	05503	49600	51213	84935		
isle	222	30609	81028	05703	38440	51111	81715		
ley	302	40616	75011	03804	48402	53213	81815	84650	
gway	334	70509	72022	03603	7844/	53116	82818	86656	
ires Gate	318	30407	75011	04204	28430	51114	81818		
naldsway	204	70515	75146	05003	38432	50314	81817	83650	86070
l of Galloway	131	30618	85031	06203	28501	51213	81825		
dalemuir	162	20109	80028	06801	28500	53214	82822		
stwick	135	10705	70011	08002	18540	54215	81825		
botsinch	140	10405	86021	08003	15700	57110	81656		
uchars	171	13007	86020	07702	18400	53208	81818		
ce	091	13008	84028	07601	13400	53205	81915		
rwick	005	33206	80278	04451	39401	54002	82912		
ck	075	52402	68268	07250	39430	51202	81912	83360	
e Skerry	010	53208	66158	07503	53500	50801	85920		
pe Wrath	049	73605	82022	07802	784//	01400	84815	87620	
rnoway	026	23003	65158	09202	29400	51105	81910		
nbecula	022	20000	82150	09903	29400	51305	81915		
ree	100	10610	89010	08903	15500	53108	81627		
dergrove	917	50410	82011	06803	58400	52213	82818	84645	
lin	980	10611	89010	07804	18500	52212	81820		
lmullet	976	30512	83031	06205	32500	50212	83820		
rr	965	80508	82025	04303	864//	02113	86716	87632	
ublin	969	80809	82026	04304	884//	51115	82819	84628	87650
annon	962	70610	70025	03605	754//	02211	81715	87640	
ches,Point	952	80213	75026	01905	884//	02113	81818	88638	
lentia	953	70712	75028	01506	785//	03215	82821	87638	

OBSERVATIONS at 18h. 28 JANUARY 1977

	iii	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$T_d T_{app}$	$8N_s C_h s_h s_s$	$8N_s C_h s_h s_s$	$8N_s C_h s_h s_s$
	746	80510	70605	02803	864//	00312	88712		
	862	80308	65038	02304	854//	02313	83715	88618	
	797	83611	80026	01604	854//	01217	84710	88615	
	776	80405	65026	02304	854//	01314	86614	88618	
	775	70210	65016	02704	754//	00314	83712	87620	
	772	80310	65022	02604	854//	01313	82615	85618	88635
	586	83609	65607	02203	854//	00118	88615		
	590	80112	62806	01902	883//	01219	82708	84814	88630
	497	50425	62258	01504	595//	51226	85925		
	502	60711	75022	03703	685//	51210	81825	83640	86656
	628	70509	64022	03103	785//	00311	81820	84630	87645
	715	80612	62027	02803	6547/	00310	83712	86650	88360
	703	80818	62022	01003	854//	01213	81710	88635	
	827	71010	56051	01005	784//	02315	81815	87635	
	817	70000	70606	00306	6847/	05309	81710	85640	
	804	70000	81031	00907	784//	06208	82818	86623	
	809	30000	50058	00806	28402	04309	81818	83070	
	894	60102	59101	01006	58402	05302	83810	83635	
	534	70207	62026	04402	756//	52213	84635	87656	
	559	83608	75026	03403	856//	00314	88631		
	462	70109	82036	03702	756//	51215	87640		
	354	20108	59051	04501	25700	51115	82656		
	414	50409	66031	05102	58500	52212	82822	85650	
	360	53605	80018	04902	48530	51213	81825	84640	
	396	20315	75011	04303	12530	54217	81820		
	257	70208	65158	06402	785//	52215	82820	86640	
	262	30118	69028	07003	23530	51315	82925		
	222	30307	70018	07301	38401	51212	81818	83640	
	302	40407	65030	06003	48400	52214	82818	84630	
	334	10308	65011	05402	15600	55214	81640		
	318	40308	62021	06402	44500	51217	81823		
	204	20409	82031	07101	28500	52313	82820		
	131	10612	85010	07801	12500	51212	81825		
	162	00000	82018	08554	00900	55216			
	135	11302	58040	08851	15600	54211	81630		
	140	00000	82020	08652	00900	55310			
	171	12602	84020	08251	18400	53207	81818		
	091	02807	86018	07751	00900	53105			
	005	73208	70858	04052	69463	54501	86910		
	075	72609	58858	06951	724//	52000	87815		
	010	33216	74018	07303	33500	50500	83920		
	049	43204	82018	08001	48500	51302	84820		
	026	33006	68158	09551	39400	52309	83912		
	022	13004	82151	10001	19400	52202	81918		
	100	20108	89030	09400	21400	55207	82818		
	917	10202	68051	08600	18500	53213	81828		
	980	10409	89010	09103	11500	56311	81822		
	976	30408	83030	08202	32502	51316	83820		
	965	80510	62606	06702	864//	01318	87713	88633	
	969	80000	70215	06302	855//	00212	83620	87635	
	962	80410	70022	05804	854//	01315	82716	87650	
	952	80108	75022	04204	856//	01316	88638		
	953	70709	80022	04104	785//	01319	82822	87635	

OBSERVATIONS during DAY

	iii	RRT T x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
	746	93031	000	d.r.d.r.d.	r.
	862	93091	010	pr.r.d.r.r.	d.
	797	93091	013	pr.d.d.r.d.r.	pr.
	776	01071	000	r.r.r	+
	775	91061	000	r.ir.	+
	772	97051	000	d.	+
	586	94051	000	r.d.-d.r.r.s.	r.s.d.r.
	590	92061	000	d.r.d.d.	r.pr.
	497		000		
	502	97041	000	pr.	+
	628	97031	000	r.s.rodo	r.
	715	01031	040	r.ir.s.r.s.r.	+
	703	00081	000		
	827	00101	068	+	+
	817	96101	071	+	ir.
	804	00101	064	+	+
	809	91091	061	pr.	+
	894	00091	070	+	+
	534	97031	000	ir.r.s.r.r.	+
	559	97031	000	id.r.ir.r.r.	r.r.
	462	95031	000	hr.d.r.	+
	354	97037	011	r.s.r.s.sh.	+
	414	97043	013	is.s.s.ps.	+
	360	97051	018	pr.s.	pr.s.
	396			r.s.r.s.ir.	+
	257	97053	030	ps.pr.	ph.
	262	95051		ph	pr.ps.
	222	97043	045	ps.ps	ps.
	302	00051	039	+	+
	334	00041	022	+	+
	318	00053	030	+	+
	204	97041	041	r.	+
	131	00033			
	162	97015	064	ps.	+
	135	00033	060	+	+
	140	00043	074	+	+
	171	00033	073	+	+
	091	97015	054	ps.	ps.
	005	05018	024	ps.ph.	ps.ph.s.ps.
	075	01027	021	ps.ph.	ph.ps.phs
	010	01036			
	049	93035	010	ps.	ps.
	026	01025	024	ps.	psps.
	022	91036	049	jp	ps.
	100	97043	076	+	ph.
	917	00043	023	+	+
	980	0004	054		
	976	0006	076		
	965	9703	001		
	969	9204	000		
	962	9705	001		
	952	9705	000		
	953	9706	000		

FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

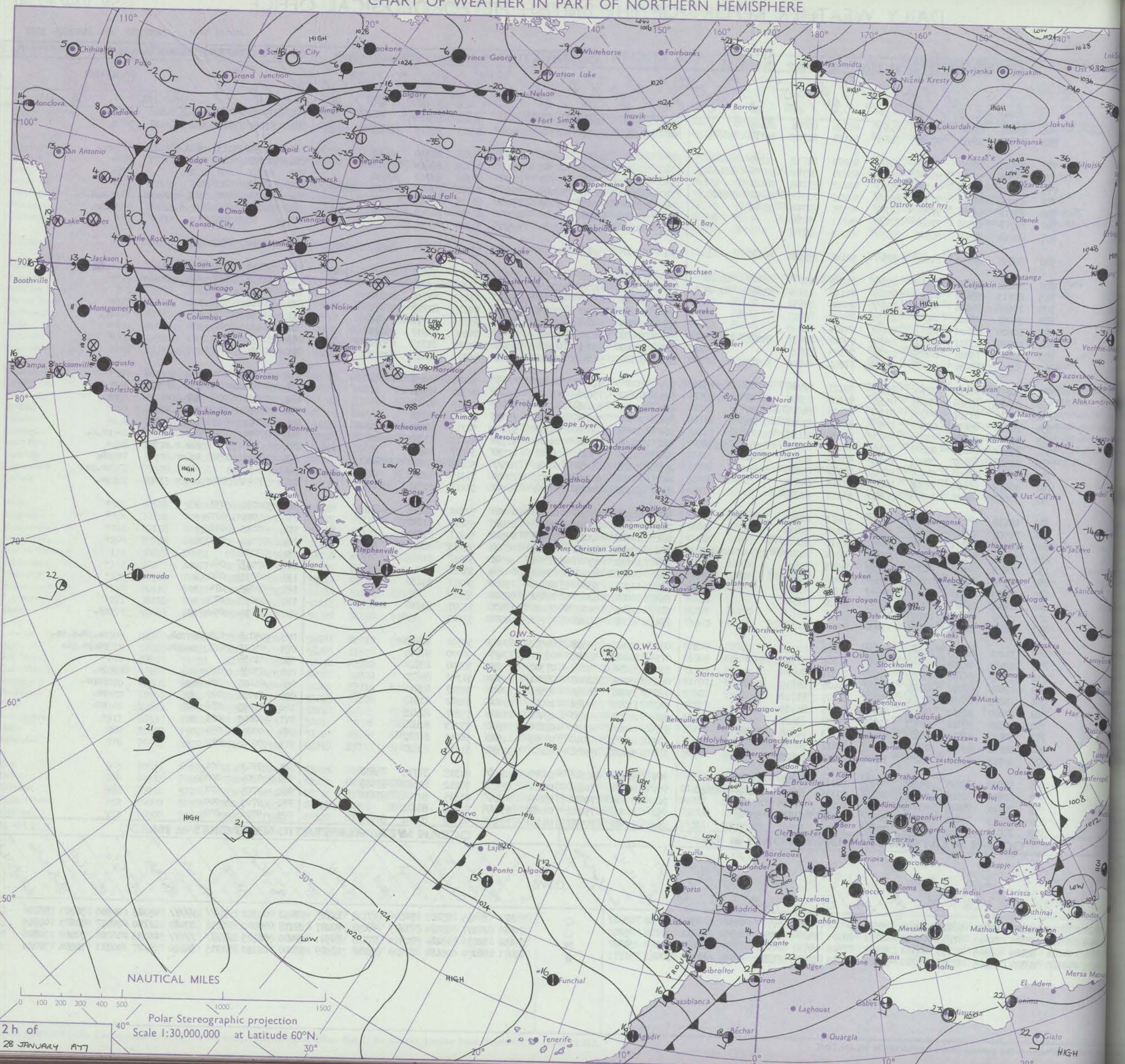
O.W.S.	$99 L_a L_a L_a$	$Q_c L_o L_o L_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s C_h s_h s_s$	$8N_s C_h s_h s_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
	99527	70355	28121	80707	98012	09504	5555/	00312	/////	/////	05301	10596	30302	03307
	99569	70197	28124	70913	97252	09007	48231	00103	81704	83815	0//02	10961	30806	05003
	99658	10016	28124	43115	97158	84101	39460	00709	/////	/////	06155	10684	30503	34007
	99471	70168	28124	53525	97258	95309	59403	61313	81915	85820	0//07	11140	30402	30211

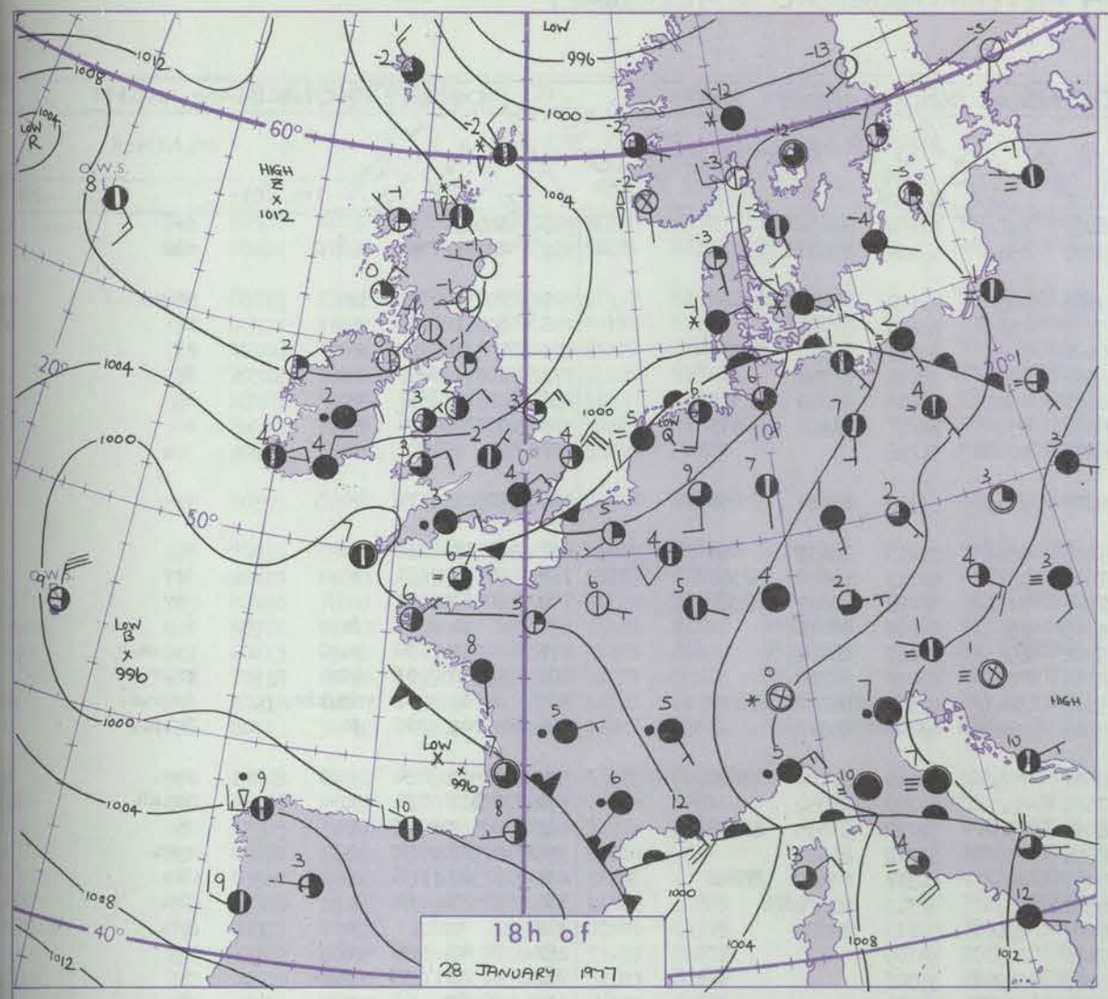
OCEAN WEATHER STATION REPORTS at 18h.

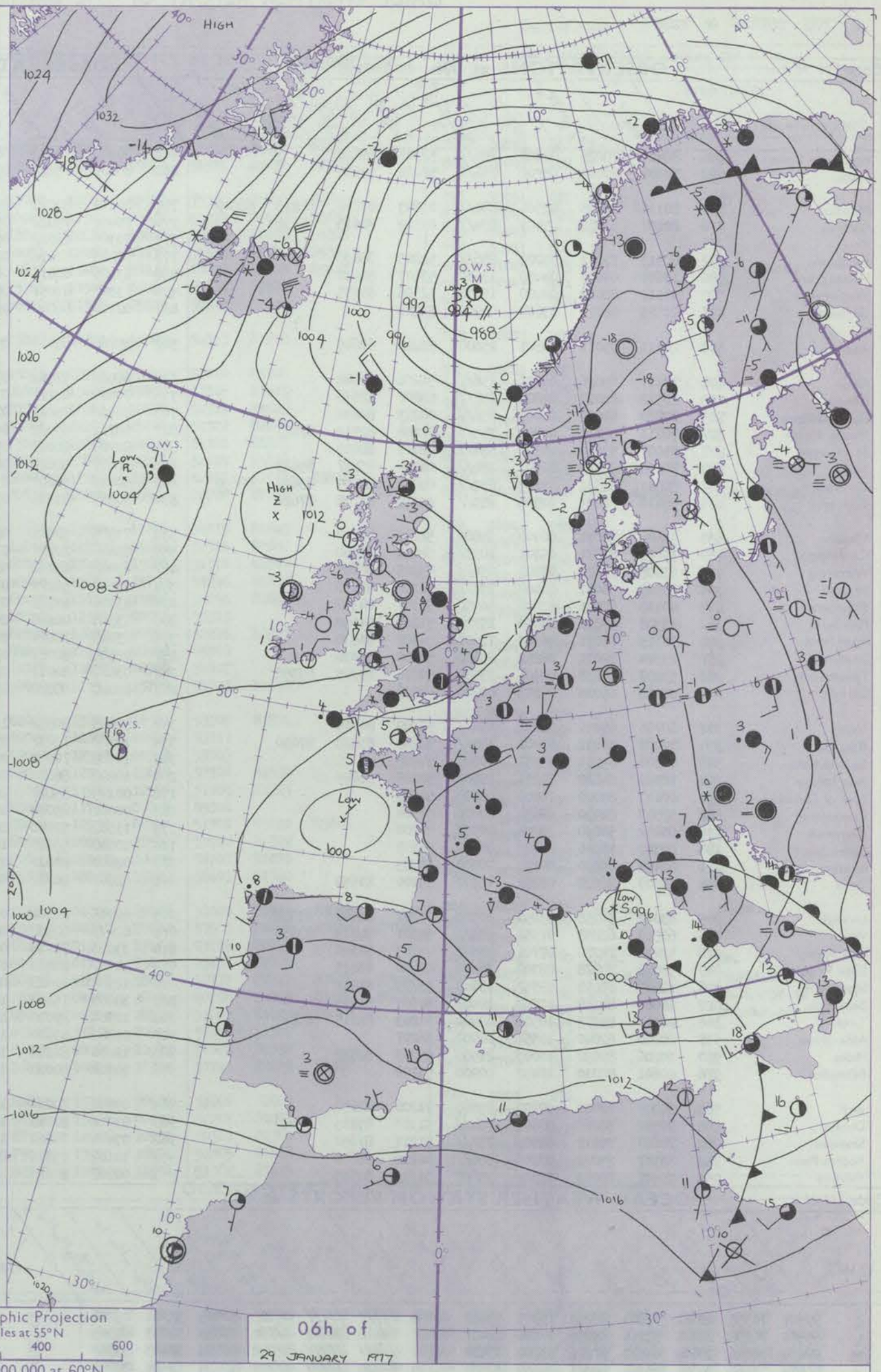
O.W.S.	$99 L_a L_a L_a$	$Q_c L_o L_o L_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_h C_L h C_M C_H$	$D_s v_s$ app	$8N_s C_h s_h s_s$	$8N_s C_h s_h s_s$	$OT_s T_s T_d T_d$	$1T_w T_w T_w T_T$	$3P_w P_w H_w H_w$	$d_w d_w P_w H_w H_w$
C	99527	70355	28181	70106	97158	12705	53452	00312	/////	/////	05303	10590	30303	03206
L	99570	70197	28184	71213	98038	09207	28418	00302	81818	83463	0//00	10957	30603	04905
M	99658	10016	28184	42414	97028	84501	49400	00105	/////	/////	06153	10706	30302	34006
R	99471	70170	28184	53529	97018	00509	53400	81130	81915	84820	0//07	11111	30506	30210

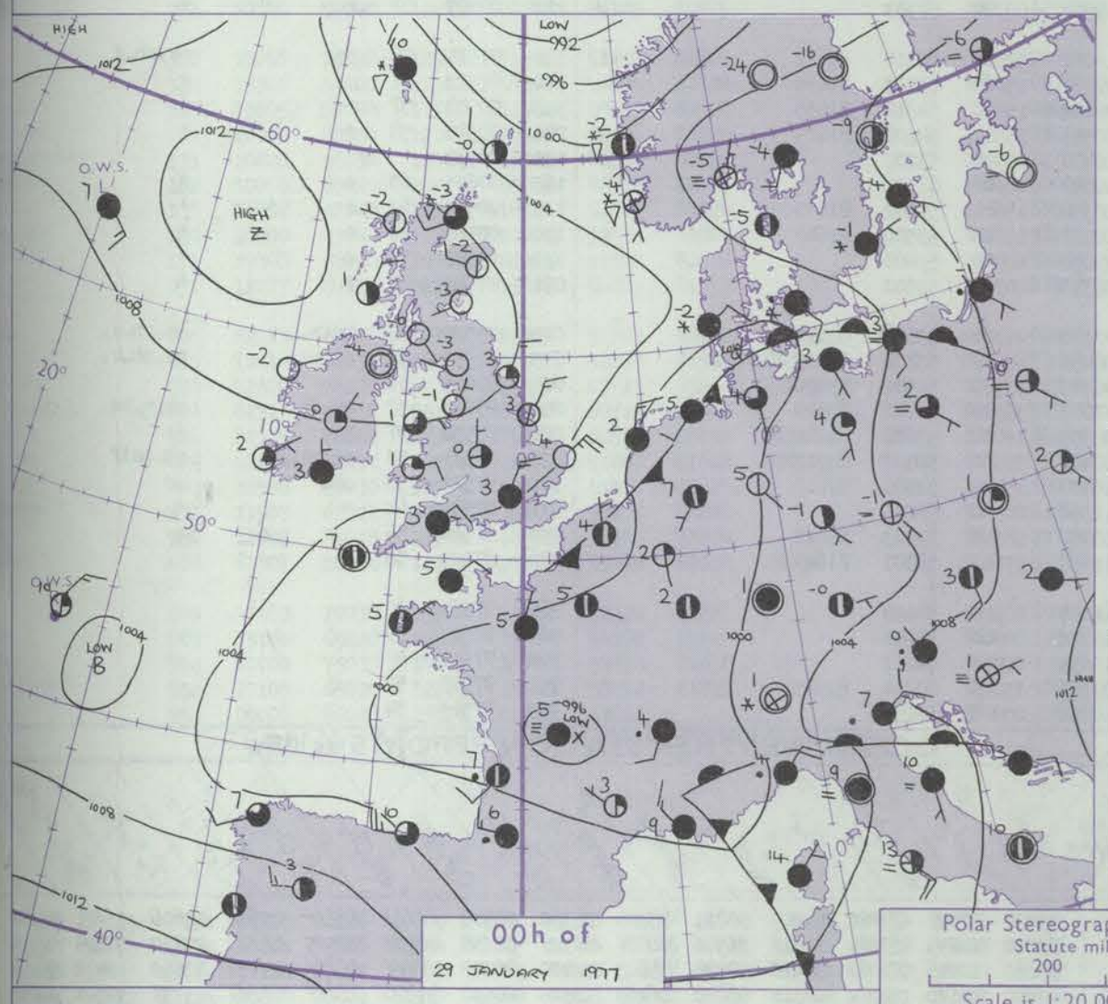
mes of observation printed in this publication are GREENWICH MEAN TIME.

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 SATURDAY 29 JANUARY 1977

A small low over East Anglia yesterday morning filled as it moved away eastwards over the North Sea. Pressure rose over the British Isles and a small high developed just west of Scotland as a deep low moved slowly southwestwards over the Norwegian Sea. A complex low pressure area to the southwest of Britain moved slowly south and then east towards Spain and the Bay of Biscay. During the next 24 hours the low over the Norwegian Sea will continue moving southwestwards to be near the Faeroes by tomorrow morning, and the small high west of Scotland will move southeast to southern England. The complex low southwest of Britain will move slowly southeastwards, leaving a trough over the Bay of Biscay.

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

Code FM 11.V

OBSERVATIONS at 00h. 29 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	80409	70026	04402	855//	52206	88626		
Hurn	862	70307	70012	03702	756//	50206	87639		
Manston	797	80116	80028	02504	884//	01603	81712	84816	88640
Gatwick	776	80207	62022	03403	854//	00302	81615	88632	
Kew	775								
Heathrow	772	80313	72012	04003	856//	52203	88636		
Honington	586	13609	65026	04450	15630	53107	81630		
Wattisham	590	10112	82018	04000	15600	52106	81635		
Gorleston	497	00525	66011	03604	00900	53206			
Aberporth	502	20611	65011	06801	25600	52212	82645		
Filton	628	70411	65026	05001	756//	51206	87648		
Rhoose	715	70512	66022	04802	757//	53007	87656		
Hartland Point	703	80720	64022	04003	856//	00213	88634		
Mount Batten	827	70911	58212	02803	754//	01208	82712	87627	
St. Mawgan	817	81007	58616	03303	854//	02313	88616		
Scilly	804	70000	83022	02507	784//	06209	85817	85623	
Culdrose	809	80611	58051	03105	853//	03211	82709	83620	88630
Guernsey	894	80410	62021	02505	853//	04310	83708	87620	
Elmdon	534	53606	58041	06500	55800	52106	85657		
Cardington	559	73608	81031	05301	7093/	52104	87360		
Wittering	462	63608	70022	05901	656//	53305	86645		
Watnall	354	73509	56041	06400	757//	52206	87650		
Shawbury	414	40110	57041	07250	40930	51107	84359		
Finningley	360	13308	59011	06950	15700	51207	81650		
Spurn Point	396	10315	75011	06303	12600	54107	81830		
Leeming	257	23304	80021	08251	25600	53208	82630		
Tynemouth	262	53209	69278	08901	33530	50209	83925	85358	
Carlisle	222	02902	65020	09253	00900	54206			
Valley	302	60706	65031	08601	656//	52109	86635		
Ringway	334	70208	58031	07901	785//	52208	81828	87650	
Squires Gate	318	00206	65011	08251	00900	54205			
Ronaldsway	204	10406	84020	09251	15600	52108	81645		
Mull of Galloway	131	00111	85020	10000	00900	52209			
Eskdalemuir	162	03508	82020	09654	00900	57304			
Prestwick	135	01202	50040	10056	00900	56204			
Abbotsinch	140	02302	58040	09755	00900	58102			
Leuchars	171	02405	80020	09153	00900	55303			
Dyce	091	12809	86020	08252	15700	55400	81650		
Lerwick	005	43012	50158	03250	39303	57707	81708	83912	
Wick	075	62510	62858	07553	684//	54501	84815	83636	
Sule Skerry	010	43216	74278	07701	43500	01203	84920		
Cape Wrath	049	33604	70878	08300	38400	00400	83815		
Stornoway	026	12905	80018	09352	19400	53705	81912		
Benbecula	022	10000	82158	10753	19403	54501	81915		
Tiree	100	40211	89278	10501	43400	51203	81915	83820	
Aldergrove	917	00000	62040	10554	00900	56207			
Malin	980	20206	89030	10003	21500	55203	82822		
Belmullet	976	00601	80010	10452	00900	53106			
Birr	965	20307	70011	09100	25600	51206	82636		
Dublin	969	70302	80268	08801	784//	51109	83815	85640	
Shannon	962	70607	70012	08802	757//	51211	87650		
Roches Point	952	83507	75022	07203	856//	00212	88640		
Valentia	953	20507	80011	07302	25600	51112	82635		

OBSERVATIONS at 06h. 29 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	80107	70022	06601	857//	52110	88656		
Hurn	862	80209	75022	05802	856//	52110	88636		
Manston	797	70215	82028	04503	785//	53110	81820	87656	
Gatwick	776	70406	75022	05702	756//	53110	87640		
Kew	775	70305	68022	06401	7097/	53215	81358	87362	
Heathrow	772	70408	72012	06501	7097/	53214	87358		
Honington	586	63306	60011	06651	4563/	52216	84640	86358	
Wattisham	590	73307	81031	06650	755//	52217	81628	87645	
Gorleston	497	00114	66020	06204	00900	51218			
Aberporth	502	30708	65011	09200	35630	53219	81630	83656	
Filton	628	60408	57052	07600	656//	52215	81635	86656	
Rhoose	715	70508	62222	07601	3577/	52313	83650	87359	
Hartland Point	703	80520	78022	07103	3157/	50220	83822	88360	
Mount Batten	827	80711	65022	05303	856//	52214	88641		
St. Mawgan	817	80709	60027	05902	855//	50212	88628		
Scilly	804	80617	58629	04704	873//	04220	88707		
Culdrose	809	80410	56609	05602	874//	01314	84710	88712	
Guernsey	894	50509	81216	03805	58400	03206	85812		
Elmdon	534	73505	58041	08851	753//	52219	81708	83645	87657
Cardington	559	83606	80707	07601	857//	51220	88650		
Wittering	462	63408	65022	08050	656//	52222	81635	86650	
Watnall	354	23509	56271	08851	25600	52318	82630		
Shawbury	414	83106	64701	09251	856//	52317	83632	88640	
Finningley	360	13308	40100	08551	15700	52313	81650		
Spurn Point	396	23416	70020	07801	22600	50213	82830		
Leeming	257	03505	80011	09052	00900	54305			
Tynemouth	262	03606	80011	09352	00900	53307			
Carlisle	222	00000	68020	09956	00900	57303			
Valley	302	53605	80858	10051	52500	53210	85824		
Ringway	334	10902	75037	09351	15700	53313	81650		
Squires Gate	318	10105	70030	09652	15600	54310	81635		
Ronaldsway	204	10202	86020	10353	15500	54208	81625		
Mull of Galloway	131	00105	85020	10400	00900	53202			
Eskdalemuir	162	00000	83020	10659	00900	61302			
Prestwick	135	11302	57040	10356	15601	57302	81630		
Abbotsinch	140	10000	58040	10057	15600	59500	81640		
Leuchars	171	02609	82020	09052	00900	55400			
Dyce	091	02807	86020	08353	00900	55500			
Lerwick	005	42915	80268	02100	49400	53807	84910		
Wick	075	62613	62858	06453	684//	53706	84815	84640	
Sule Skerry	010	33216	74038	06203	33500	50502	83920		
Cape Wrath	049	33507	82878	07003	38500	51602	83820		
Stornoway	026	12508	81028	08553	19400	53608	81912		
Benbecula	022	30000	75268	10400	39400	50802	83912		
Tiree	100	12704	89030	10400	15400	52500	81617		
Aldergrove	917	01802	63020	11356	00900	58205			
Malin	980	12210	84268	10750	18500	52203	81822		
Belmullet	976	10000	80020	11453	15600	54301	81640		
Birr	965	03504	70020	11054	00900	54108			
Dublin	969	03602	80018	10151	00900	54206			
Shannon	962	03404	70021	11653	00900	54211			
Roches Point	952	10109	75011	09701	15600	51214	81645		
Valentia	953	00708	80020	10101	00900	52213			

OBSERVATIONS during NIGHT

Station	iii	RRT$_n$T$_n$E	T$_g$T$_g$	WEATHER 21h.–03h.	WEATHER 03h.–09h.
Boscombe Down	746	00003	51	+	jp
Hurn	362	97011	50	+	ps.
Manston	797	97031	01	pr.	pr.s.
Gatwick	776	00011	00	+	+
Kew	775	00011	50	+	+
Heathrow	772	00011	50	+	jp
Honington	586	00523	57	+	+
Wattisham	590	97523	56	r.	+
Gorleston	497				
Aberporth	502	00503	54	+	+
Filton	628	97501	51	r.	+
Rhoose	715	97001	51	+	is.
Hartland Point	703	00020	01		
Mount Batten	827	97021	01	ir.	+
St. Mawgan	817	01011	00	r.r.	r.r.s.s
Scilly	804	03032	03	tlr	rr.r.
Culdrose	809	02011	01	ir.tlr.	ir.r.s.
Guernsey	894	91041	00	+	ir.pr.
Elmdon	534	97513	54	+	s.s.
Cardington	559	97513	54	+	is.sh
Wittering	462	00513	53	+	+
Watnall	354	97527	53	+	psh.
Shawbury	414	97523	56	+	is.
Finningley	360	97513	54	+	ps.
Spurn Point	396			+	ps.
Leeming	257	00543	59	+	+
Tynemouth	262	01533	55	phps	+
Carlisle	222	00563	63	+	+
Valley	302	91515	55	ps.	ps.ph.f
Ringway	334	97523	57	s.	+
Squires Gate	318	00543	57	+	+
Ronaldsway	204	00543	58	+	+
Mull of Galloway	131	00533			
Eskdalemuir	162	00605	63	+	+
Prestwick	135	00573	61	+	+
Abbotsinch	140	00583	64	+	+
Leuchars	171	00543	57	+	+
Dyce	091	00545	57	+	+
Lerwick	005	05529	55	pr.s.	ps.ph.s.
Wick	075	02557	57	ph.ps.	ps.ph.s.
Sule Skerry	010	02005	52		
Cape Wrath	049	95026	52	ps.is.	ph.r.ps.
Stornoway	026	93556	57	ps.	jp
Benbecula	022	02537	58	ps.ph.ps	ph.psif
Tiree	100	97523	58	ph.	jp
Aldergrove	917	00583	62	+	+
Malin	980	97526	55		
Belmullet	976	97553	58		
Birr	965	97553	60		
Dublin	969	92523	59		
Shannon	962	97543	59		
Roches Point	952	97003	52		
Valentia	953	97513	54		

Code FM 21.V

OCEAN WEATHER STATION REPORTS at 00h.

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	29001	73604	98258	15905	53430	00804	/////	/////	05105	10595	3//01	03/06
L	99570	70198	29004	81214	98258	09206	28427	00807	81816	84462	0//02	10989	30603	04905
M	99659	10016	29004	61822	97271	83702	69400	00709	/////	/////	05952	10694	30403	33904
R	99473	70169	29004	30314	98011	04609	32500	00116	83820	/////	0//07	11126	30504	30207

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	99$L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	29061	52005	98011	15104	38530	00808	/////	/////	05304	10606	3//01	03/06
L	99570	70199	29064	81612	96586	06607	6732/	00718	86708	88525	0//04	20990	30805	08804
M	99660	10016	29064	31420	98028	85603	32400	00209	/////	/////	05754	10662	30402	99/04
R	99470	70170	29064	10314	98020	06409	12500	00110	81820	/////	0//07	11137	30504	28205

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, Mc

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42073

Date of Issue SUNDAY 30 JANUARY 1977

FM 11.V

OBSERVATIONS at 12h. 29 JANUARY 1977

tion	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
combe Down	746	70309	66032	09802	4843/	52220	81815	84656	
rn	862	60212	70038	09303	50971	51221	82358	85359	
nston	797	60215	83018	07505	38432	51117	81818	83635	
wick	776	40510	75031	08604	18402	55118	81818	84075	
w	775	10108	70031	09204	12441	53219	81818		
thrrow	772	20312	74021	09404	11431	51221	81818		
inington	586	20109	80031	08604	18530	51214	81820		
ttisham	590	20111	82031	08703	18502	50219	81820		
rleston	497	20413	66021	08604	22500	53218	82825		
erporth	502	10505	62051	11702	11400	51212	81820		
on	628	70511	58051	10002	784//	51213	81812	87650	
ose	715	20410	64011	10302	28400	53214	81818		
tland Point	703	40420	78011	10403	42500	51223	84820		
int Batten	827	50714	75012	09404	48570	53124	81820	84656	
Mawgan	817	60613	65022	10302	18588	51223	81824	85359	
lly	804	70718	65026	09905	784//	01223	82818	87623	
ldrose	809	80212	64707	09603	1157/	51121	81820	83360	88462
ernsey	894	80411	74028	08205	884//	02223	85814	83628	88645
ndon	534	23608	64037	10502	21400	53207	82815		
rdington	559	43506	65037	10002	42430	01316	84811		
ttering	462	13513	59018	09601	16301	51205	81708		
tnall	354	03610	56041	10201	00900	53004			
wbury	414	03510	60047	11302	00900	52208			
nningley	360	63309	65268	10902	685//	51109	82825	85635	
urn Point	396	33317	70017	10002	39500	00209	83925		
ming	257	13102	86010	11102	00901	53103	81072		
nemouth	262	12910	61020	11100	15600	52103	81630		
rlisle	222	10000	57040	11651	00902	54102	81075		
lley	302	10000	75028	12506	12500	51110	81820		
ngway	334	13306	58020	11301	18500	55106	81820		
uires Gate	318	13605	60040	11703	11500	55107	81820		
naldsway	204	10000	82020	12104	18501	52106	81825		
ull of Galloway	131	20000	86030	12004	22500	00205	82825		
kdalemuir	162	10000	80020	10951	00902	56802	81075		
restwick	135	11402	57040	11701	18541	54003	81820		
bbotsinch	140	10000	43040	11351	00902	52004	81080		
euchars	171	22308	86020	10301	00902	51102	82070		
yce	091	12207	89021	08802	15731	54002	81650		
erwick	005	82913	12878	02700	893//	51703	88908		
Wick	075	72416	86038	06301	2343/	53805	81918	86359	
ule Skerry	010	72329	74028	04303	785//	03715	85820	87625	
ape Wrath	049	82311	57838	05101	834//	00714	88915		
tornoway	026	82105	48868	07800	893//	00803	82706	88911	
enbecula	022	42214	81034	09204	28402	51707	81818	83072	
iree	100	32508	89030	10705	28502	51000	81820		
ldergrove	917	11903	62021	12850	18400	53105	81818		
alin	980	12008	89018	11703	12501	50102	81820		
elmullet	976	61507	86011	12702	25532	53004	81720	84359	
Birr	965	13503	70030	13950	11501	51114	81821		
Dublin	969	13104	65020	12702	18500	54207	81820		
Shannon	962	10000	75030	14103	15702	52210	81650		
Roches Point	952	10105	65020	12803	18400	50212	81819		
Valentia	953	00000	80020	13206	00900	53212			

OBSERVATIONS at 18h. 29 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	70208	70022	12401	785//	52316	82820	86657	
862	70306	72021	12203	1567/	51321	81635	87358	
797	50113	81012	10603	54500	52320	81820	84645	
776	70104	60021	11302	756//	51219	81630	87656	
775	43602	78021	12002	15640	52219	81630	84365	
772	53505	60031	12002	14630	51318	81645	85362	
586	63205	60831	11401	682//	00218	81703	85627	
590	23308	75261	11501	28500	50318	81820		
497	23206	66010	11302	25500	50218	82625		
502	11601	83020	12701	11400	54313	81818		
628	10306	45051	12901	18400	52220	81818		
715	10304	68020	13001	18400	53318	81818		
703	40612	70021	12503	42500	52314	84825		
827	20408	58051	12203	25700	52322	82656		
817	10708	75011	12601	14500	51318	81825		
804	50713	80021	12004	52400	52214	85818		
809	33609	60057	12201	33400	52217	82915	83818	
894	80511	70616	10904	854//	02220	87615		
534	13602	65040	13050	15600	54315	81645		
559	23604	62011	12500	25600	50316	82630		
462	13106	60011	12400	15600	51314	81640		
354	13004	40040	12651	15700	53216	81650		
414	13303	62040	13152	15500	55214	81625		
360	02502	60041	12351	00900	53313			
396	23013	62021	12402	29500	52216	82925		
257	02805	84020	12051	00900	55309			
262	02606	61020	11850	00900	54307			
222	12102	59040	11351	15700	53102	81650		
302	20000	82020	13202	18501	53308	81828		
334	03204	59020	12800	00900	53311			
318	02602	59040	12550	00900	53309			
204	23502	68018	12351	28600	52306	82830		
131	12705	85010	11902	12500	51105	81825		
162	00000	70020	11754	00900	55304			
135	61803	59041	10900	655//	51301	83620	85625	
140	32207	60040	10250	28502	53500	81822		
171	12410	62040	09151	00902	54703	81070		
091	11703	86020	08051	15732	56603	81650		
005	62414	70278	01001	694//	51005	81912	85815	
075	72414	75032	04701	28432	52502	81818	83362	87075
010	82324	66616	01904	874//	03719	88715		
049	72311	80028	01704	734//	03731	87915		
026	82122	80038	02803	5847/	00727	82817	83625	87462
022	72122	75278	04505	38436	00726	83815	83360	86270
100	52215	89011	08303	28502	53609	81822	84075	
917	11707	65010	11851	10941	53301	81360		
980	21714	89020	10101	10932	51606	81359		
976	51908	86031	10803	18532	51711	81825	83360	
965	10000	80011	13351	00902	53202	81070		
969	12302	58100	13001	00902	52207	81070		
962	11503	62100	12901	10931	50501	81364		
952	10903	75010	13303	18401	52305	81819		
953	21605	82020	12602	14501	51302	81625		

OBSERVATIONS during DAY

iii	RRT$_x$T$_x$E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	00033	017	jp	+
862	00041	019	+	+
797	97051	017	pr.jp	jp
776	00041	028	+	+
775	00043	041	+	+
772	00041	044	jp	+
586	91045	063	jp	pr.s.ph.ps.
590	97043	061	+	ps.
497		068		
502	00033	083	+	+
628	00041	047	+	+
715	00043	050	+	+
703	00030	050		
827	00051	037	+	+
817	00041	044	+	+
804	92051	033	+	+
809	97033	015	is.	+
894	01051	000	pr.pr.s.ir.	d.r.r.r.r.s.
534	00043	065	+	+
559	00043	039	+	+
462	97033	062	ps.	+
354	00026	061	+	+
414	00033	071	+	+
360	97033	053	ps.	+
396			ps.	+
257	00043	070	+	+
262	00025		+	+
222	00023	071	+	+
302	00065	075	if	+
334	00033	067	+	+
318	00033	081	+	+
204	97053	061	ps.	+
131	00053			
162	00023	077	+	+
135	00043	039	+	+
140	00043	073	+	+
171	00033	075	+	+
091	00033	072	+	+
005	04029	015	ph.ps.	ph.ps.
075	00027	057	+	+
010	03051			
049	01042	000	pr.s.	ir.
026	06035	014	pspr.s.pr.	ph.r.s.r.s.rs
022	01065	038	pr.	ph.r.irpr.s.
100	01051	054	jp	pr.ph.r.phr
917	00023	073	+	+
980	9105	068		
976	9705	027		
965	9703	070		
969	9704	078		
962	9705	066		
952	9705	074		
953	9707	070		

de FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

$d_wd_wP_wH_wH_w$	O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
03/06	C	99527	70355	29121	81910	96636	10705	8742/	00728	/////	/////	05104	10584	30302	03005
08804	L	99570	70198	29124	80224	97606	06504	7722/	00106	87705	88530	0//02	10979	30808	18107
99/04	M	99660	10017	29124	41718	97271	88603	39460	00223	/////	/////	05751	10670	30403	/////
28205	R	99471	70172	29124	40308	98011	11310	48560	00228	83820	/////	0//06	11121	30802	28002

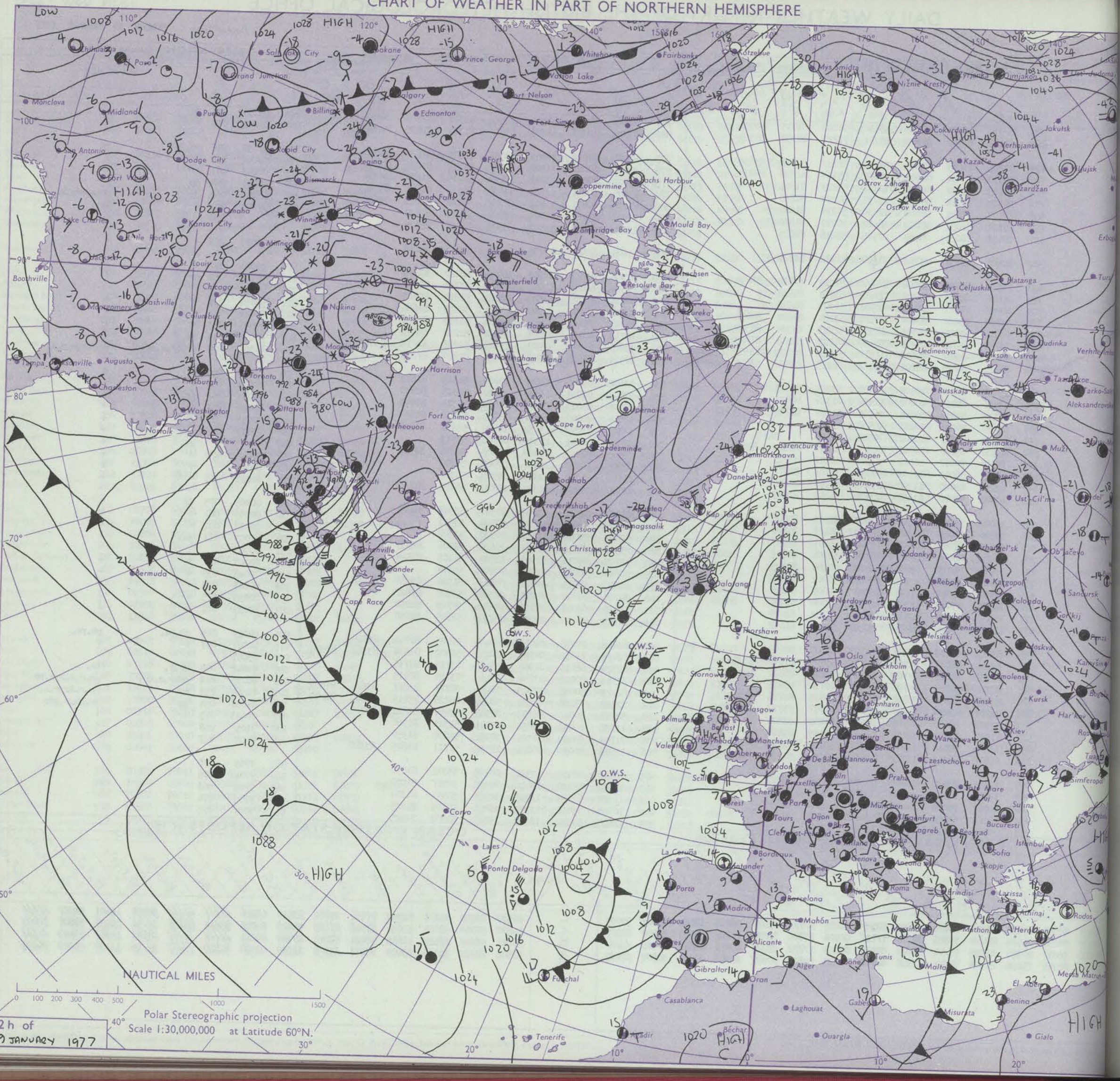
OCEAN WEATHER STATION REPORTS at 18h.

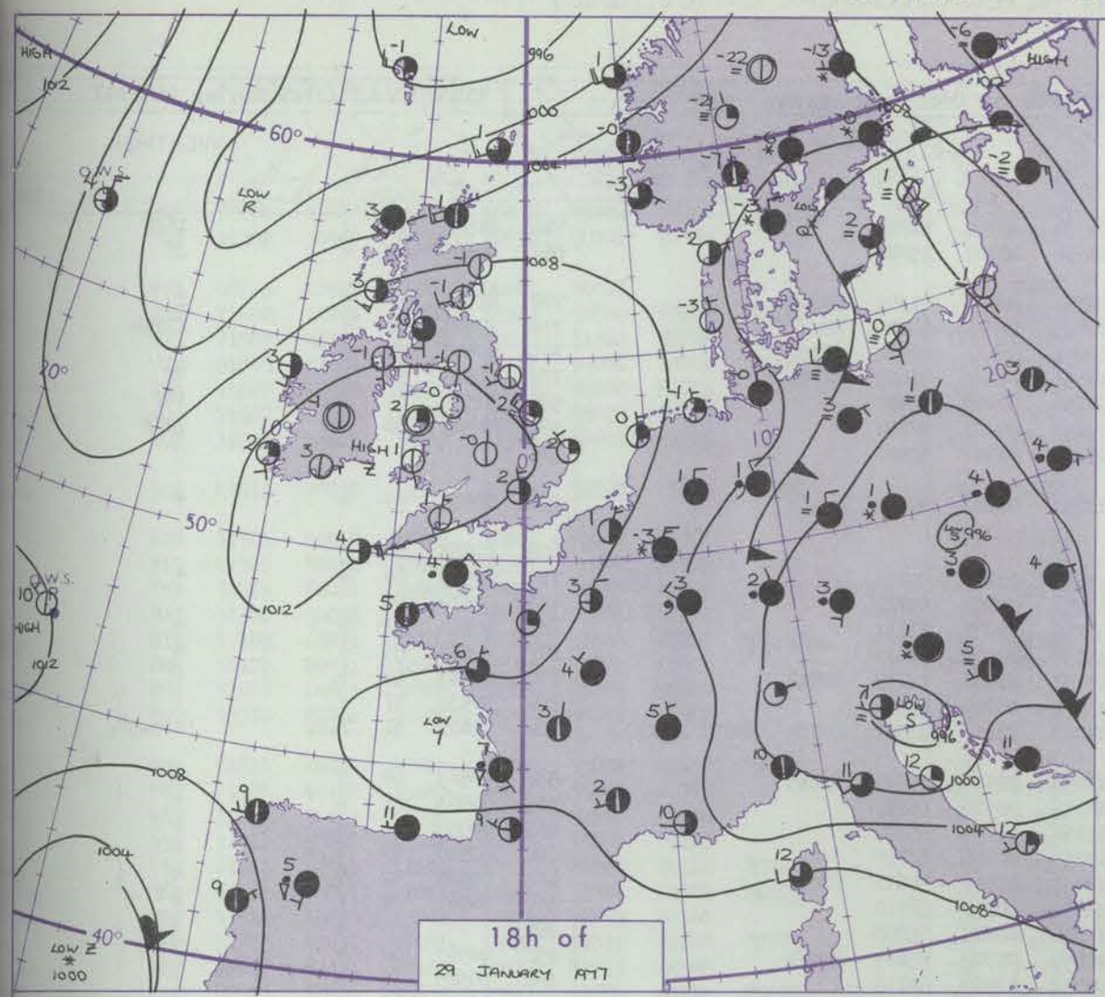
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_vs_app	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	29181	72920	97159	13902	73400	00216	/////	/////	05859	10601	30909	/////
L	99570	70200	29184	53616	97018	07103	58400	00008	83818	83635	0//56	10956	30807	32008
M	99661	10022	29184	41915	98021	92403	29460	00221	/////	/////	05651	10678	30403	/////
R	99471	70172	29184	13004	98021	12109	18500	00208	81820	/////	0//06	11138	30000	36903

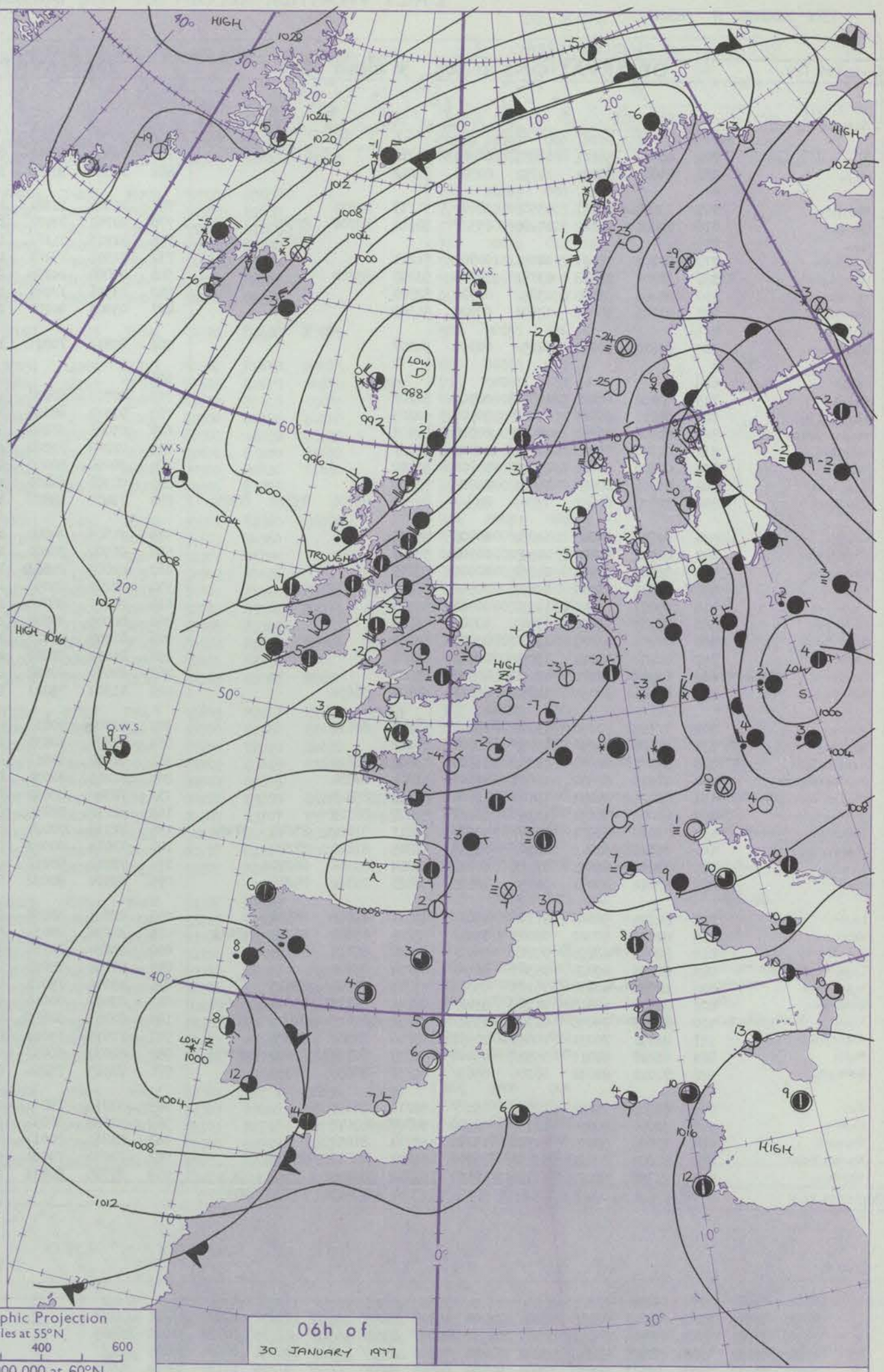
ress, Me.

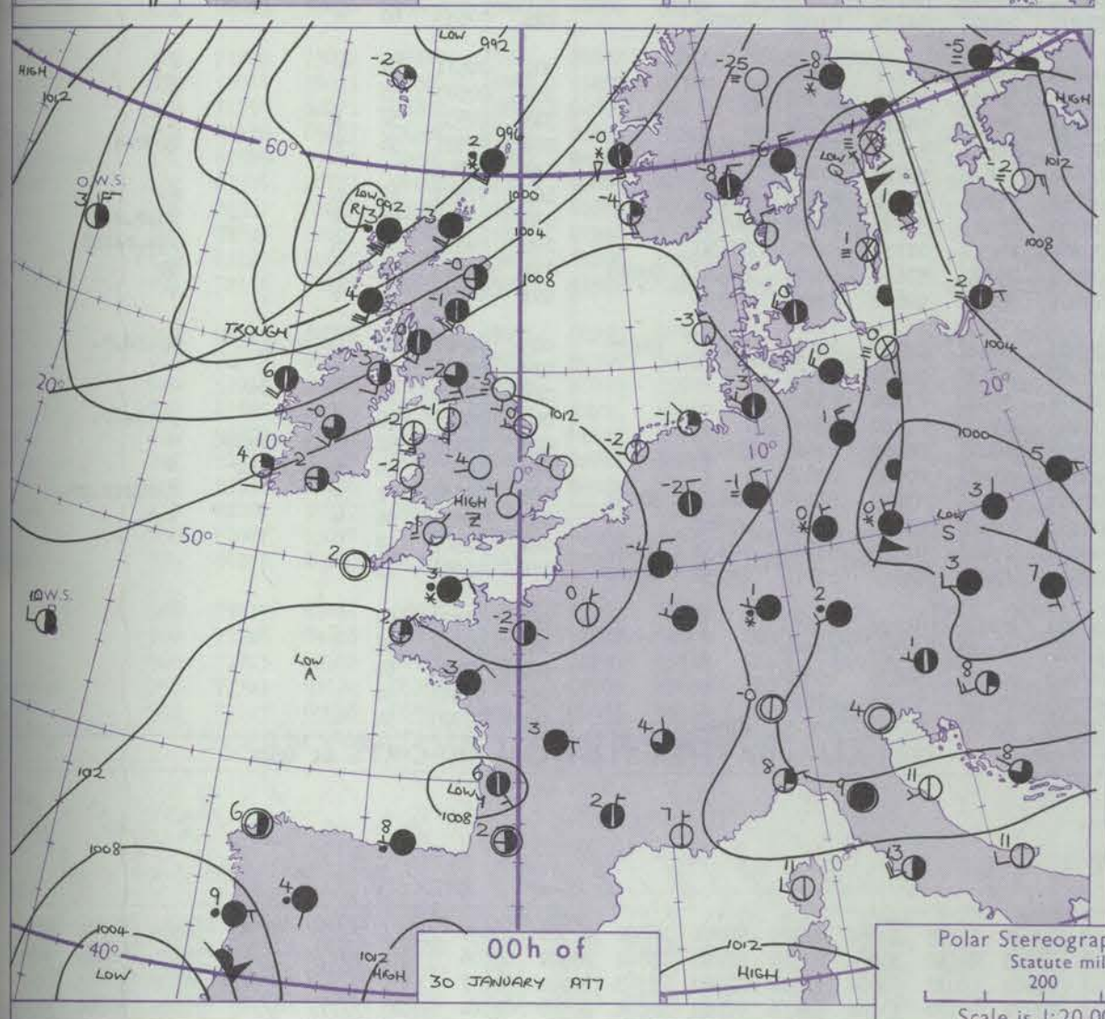
Times of observation printed in this publication are GREENWICH MEAN TIME.

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 30 JANUARY 1977

An anticyclone off northwest Ireland has moved southeast to the Dover straits. A depression about 300 miles northeast of the Faeroes has moved slowly southwest. A further depression about 500 miles west of Scotland has moved east and filled up, but a trough of low pressure linking these two centres has moved east and now extends across Shetland and northwest Ireland. A trough linking a depression over Biscay to another about 300 miles northeast of Azores has moved slowly southeast. During the next 24 hours the low near Faeroes will move very slowly southwest. The associated trough will move northeast to Norway but a further trough is expected to move east into west Scotland to southwest Ireland where a new depression is expected to form by tomorrow morning.

Code FM 11.V **OBSERVATIONS at 00h.** 30 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_gT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	00000	56101	14851	00900	52210			
Hurn	862	03002	60021	14752	00900	52212			
Manston	797	13609	80021	13502	18400	51213	81815		
Gatwick	776	70202	40102	14200	753//	50112	82706	87656	
Kew	775								
Heathrow	772	00101	38051	14451	00900	51211			
Honington	586	32302	08418	13752	36000	53208	83700		
Wattisham	590	03408	03460	13852	00900	52209			
Gorleston	497	03006	58020	13601	00900	51208			
Aberporth	502	01810	80020	14252	00900	54102			
Filton	628								
Rhoose	715	00402	64020	14951	00900	54207			
Hartland Point	703	00911	66010	14400	00900	52205			
Mount Batten	827	01006	56050	14000	00900	52105			
St. Mawgan	817	01106	75020	14551	00900	53207			
Scilly	804	00000	80021	14002	00900	53102			
Culdrose	809	00306	60050	14451	00900	53106			
Guernsey	894	80608	62687	13903	853//	02212	82706	83710	88630
Elmdon	534	02601	24040	14854	00900	55205			
Cardington	559	02502	40100	14553	00900	53108			
Wittering	462	02704	40040	14152	00900	53205			
Watnall	354	02801	25040	14454	00900	57204			
Shawbury	414	00000	56040	14554	00900	55203			
Finningley	360	02402	40040	13553	00900	55105			
Spurn Point	396	02806	66020	13700	00900	54207			
Leeming	257	01702	70020	13054	00900	55001			
Tynemouth	262	02307	61020	12152	00900	55803			
Carlisle	222	61506	64031	11252	656//	54704	86632		
Valley	302	11714	70020	13202	15600	53704	81630		
Ringway	334	01708	45040	13953	00900	56101			
Squires Gate	318	11807	62030	12851	11500	53802	81822		
Ronaldsway	204	42213	82030	11603	41600	52804	84834		
Mull of Galloway	131	52421	85031	10403	52500	52813	85825		
Eskdalemuir	162	60000	60031	11358	662//	59807	86705		
Prestwick	135	72010	64031	09300	3557/	52811	81622	83645	87462
Abbotsinch	140	71605	62041	08301	15538	51815	81620	87270	
Leuchars	171	72213	61031	07751	30932	54814	83364	86070	
Dyce	091	52012	89031	04950	10935	54823	81362	85270	
Lerwick	005	82224	56688	97102	4542/	50831	84618	88534	
Wick	075	82020	80022	00003	3557/	52725	83628	86359	88462
Sule Skerry	010	82035	66216	95205	5641/	04736	85715	88458	
Cape Wrath	049	81830	80028	95303	865//	00732	88720		
Stornoway	026	82035	62638	95103	853//	03843	83709	88615	
Benbecula	022	81934	62618	97105	854//	02741	83710	85618	88624
Tiree	100	82132	75038	02304	5552/	51731	82629	84643	88459
Aldergrove	917	41810	70031	10653	20932	55710	82362	83075	
Malin	980	61827	84011	05301	45402	56838	81717	83630	85070
Belmullet	976	72021	81012	06206	6563/	01731	86638	87359	
Birr	965	61908	75031	12050	656//	52710	86633		
Dublin	969	32006	70030	12150	00902	54707	83070		
Shannon	962	11608	58101	11701	15730	52714	81650		
Roches Point	952	51202	70021	13702	58400	51201	81819	85635	
Valentia	953	21712	82011	11804	28500	51712	81825		

OBSERVATIONS at 06h. 30 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_gT_dapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	00000	08410	14354	00900	54707			
862	00000	30100	14254	00900	55706			
797	82906	12281	14301	860//	01302	88700		
776	90702	03474	14552	9////	52802	89///		
775	81703	15101	14651	861//	52802	88702		
772	71303	15101	14651	760//	51603	87701		
586	00000	14284	14154	00900	55400			
590	03506	12284	14153	00900	54704			
497	03003	40100	14251	00900	52400			
502	01812	70011	12252	00900	54715			
628								
715	00701	60020	13753	00900	55711			
703	01412	66020	13251	00900	53712			
827	01005	57050	13252	00900	53611			
817	01208	70020	13153	00900	54613			
804	20000	80020	13103	21400	52718	82818		
809	00307	64100	13152	00900	53712			
894	71408	58878	14003	782//	02501	82704	84707	86812
534	21603	24040	13855	00901	56810	82075		
559	01902	30100	14155	00900	55807			
462	02003	25040	13754	00900	55807			
354	02202	25050	13254	00900	56710			
414	20000	56040	13057	00901	58611	82075		
360	02005	40040	12355	00900	56710			
396	02008	56020	12952	00900	55806			
257	21412	57040	10854	00902	55615	82075		
262	02010	69020	09352	00900	54718			
222	41904	75011	07901	25502	51720	81628	83075	
302	71928	70031	09804	755//	52722	87624		
334	21809	60030	12353	10932	55612	81360		
318	51609	60011	10853	35638	54614	83640		
204	72223	82031	07804	785//	53722	83828	87656	
131	72340	85032	05604	756//	52727	87630		
162	81712	82032	06751	25607	53723	82630	88270	
135	72118	70021	03902	755//	53733	83624	86635	
140	72014	70022	02902	755//	01731	81622	87630	
171	72212	80012	03401	15772	53619	81650	84362	87070
091	81924	80022	99801	3577/	52822	83650	87359	
005	82033	56237	92202	854//	00726	82710	83618	88637
075	32226	80031	95202	30930	53809	83359		
010	33224	74216	93504	35500	03304	83625		
049	62706	75018	94403	635//	01220	86920		
026	43002	75027	95901	45400	00105	82618	83630	
022	33507	84016	96602	38400	00500	82818		
100	82915	60637	97603	6522/	03608	83705	86618	88537
917	71917	75021	05101	755//	53722	85620	87642	
980	82031	56697	00002	7547/	01522	83712	87633	88459
976	72315	75256	01807	734//	04617	81718	85638	82920
965	31915	75011	07503	35600	51724	83634		
969	32008	80031	08102	00902	51722	83070		
962	51812	70011	07503	557//	51825	85650		
952	72016	75031	10305	756//	51616	87637		
953	81918	82031	07706	885//	01724	83825	88640	

OBSERVATIONS during NIGHT

iii	RRT_nT_nE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00553	59	+	1fFF
862	00563	60	+	jf
797	97511	57	+	f
776	97523	56	+	ffFsh
775	00543	58	+	+
772	00523	57	+	jf
586	91555	61	1fffFF	FFf
590	00563	60	ffF	FF1f
497				
502	00533	59	+	+
628	00553	61		
715	00543	60	+	+
703	00510	54		
827	00523	57	+	+
817	00533	55	+	+
804	00013	53	+	+
809	00533	57	+	+
894	91021	51	r.s.	r.s.ph.
534	00563	60	+	+
559	00563	61	+	+
462	00553	59	+	+
354	00556	59	+	+
414	00583	62	+	+
360	00563	60	+	+
396			+	+
257	00563	60	+	+
262	00525	54	+	+
222	00533	60	+	+
302	00511	54	+	+
334	00543	55	+	+
318	00533	57	jf	+
204	97521	56	+	r.-r.s.
131	00523			
162	97593	62	+	s.
135	92513	53	+	is.r.s.rs
140	04535	58	+	r.s.rsRSS
171	00523	55	+	jp
091	00533	58	+	+
005	06507	50	ps.pr.r.r.	ps.ps.r.
075	00016	52	+	+
010	03031	51		
049	05025	00	ir.ps	pr.s.ir.
026	08513	52	ir.r.rRrsir.	+
022	10001	54	pr.s.r.Rrr	+
100	09031	01	+	rsRSrrr.pr.
917	93536	56	+	s.s.
980	02501	53		
976	02041	01		
965	97523	58		
969	97511	58		
962	97511	58		
952	97011	54		
953	97021	54		

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

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30001	73017	98268	16701	73400	00308	/////	/////	05852	10597	3//11	/////
L	99569	70201	30004	43516	98251	07102	32530	00507	83820	/////	0//55	10989	31008	06805
M	99662	10022	30004	31821	98158	95502	39400	00213	/////	/////	05951	10684	30403	/////
R	99471	70171	30004	42611	98030	12609	42500	00805	84820	/////	0//06	11137	30000	36903

OCEAN WEATHER STATION REPORTS at 06h.

O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30061	43009	98011	18702	42500	00000	/////	/////	05752	10585	3//04	29/10
L	99568	70190	30064	22310	99018	05804	28500	00706	81822	/////	0//56	10971	30502	35008
M	99662	10021	30064	21520	98020	97103	29400	00107	/////	/////	05652	10688	30403	/////
R	99471	70170	30064	62616	97818	10608	62500	00514	86820	/////	0//07	11139	30000	36903

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, Bracknell

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307–2541

42074

Date of Issue MONDAY 31 JANUARY 1977

FM 11.V

OBSERVATIONS at 12h. 30 JANUARY 1977

tion	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{dapp}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
ombe Down	746	71004	02487	15153	760//	53002	87700		
	862	10302	30050	14802	10930	50001	81362		
sston	797	00702	02424	15601	00900	00006			
wick	776	71402	12704	15450	753//	50802	85708	86630	
	775	71902	45102	15451	762//	51202	87705		
throw	772	81805	17104	15451	861//	51001	86702	88703	
hington	586	11607	57020	14401	16202	51000	81703		
ttisham	590	72007	01484	15352	760//	53003	87700		
rleston	497	12203	58020	15002	11500	50002	81825		
rporth	502	41911	70030	11303	10942	52805	81360	84075	
on	628	11705	40050	13702	10941	52802	81365		
ose	715	41306	50051	13802	45301	00802	81709	84630	
tland Point	703	61714	66021	12803	48506	51803	82825	83635	85075
unt Batten	827	31306	50051	13104	38601	02805	82832		
Mawgan	817	71408	62031	12704	745//	51804	84820	84630	
ly	804	52107	80031	12807	52502	01702	85820		
drose	809	51909	64011	12806	52500	01704	85820		
ernsey	894	11710	82018	15205	15700	54108	81650		
idon	534	51810	64041	13701	15732	53804	81650	84072	
dington	559	71706	40104	15151	762//	51002	87705		
ttering	462	12010	56050	13901	00901	52802	81075		
tnall	354	12012	50050	12602	00901	53807	81080		
wbury	414	61711	62041	12101	40932	53805	84362	85073	
hingley	360	62111	40041	12001	10984	52804	81362	86075	
rn Point	396	11912	56020	13002	10971	52803	81360		
ming	257	71717	65031	09501	15634	54711	81630	87075	
mouth	262	82017	61021	07101	8097/	51713	88358		
rlisle	222	82012	58616	05803	7547/	01804	81714	85620	87630
ley	302	71829	75012	09104	7547/	50807	83616	86620	87459
ngway	334	52014	59011	11501	10941	51805	81360	85075	
uires Gate	318	71714	62021	09301	7567/	52608	84630	86645	86360
naldsway	204	82130	65607	06406	885//	01809	83824	88650	
ull of Galloway	131	82345	59636	03304	5552/	02301	85625	88540	
kdalemuir	162	81916	20737	04601	873//	50603	88706		
estwick	135	82317	58687	03002	853//	01005	82708	84710	87615
bbotsinch	140	82217	62607	01503	853//	01001	82709	85713	86622
euchars	171	82120	62617	01202	5547/	01004	85613	88462	
yce	091	72116	80227	99602	6547/	51508	81712	85618	86650
erwick	005	42013	65878	95202	49431	50225	81910		
Vick	075	72503	80151	97201	5943/	50308	82918	84645	85359
ale Skerry	010	52912	81268	96504	53500	03010	85920		
ape Wrath	049	62709	82036	97003	685//	53215	86820		
ornoway	026	42609	65151	98503	49400	01112	81915	83818	
enbecula	022	52811	82278	99904	39403	02216	83915		
Tiree	100	23311	81158	00805	29461	00321	81915		
ldergrove	917	82209	30717	04601	862//	50210	88705		
Malin	980	62017	83017	02005	5853/	02307	82820	84635	
elmullet	976	80102	64618	03305	5647/	03208	83718	83640	88459
Birr	965	71915	81011	06005	6567/	02805	86636	87463	
Dublin	969	72218	84606	06105	15678	51808	81640	86459	87270
Shannon	962	71813	82602	06106	6547/	02704	82718	86630	86460
Roches Point	952	71921	81022	08707	756/2	01706	87635	85072	
Valentia	953	82115	60816	06507	884//	06603	83714	87820	88637

OBSERVATIONS at 18h. 30 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{dapp}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	51505	03424	14151	40931	52301	84360		
862	71908	62031	14005	784//	00303	81818	87625	
797	31806	70034	15151	35701	52304	83656		
776	31905	80027	14501	35600	52305	82630		
775	11601	57051	14151	15501	53400	81625		
772	31705	50051	14002	35501	01501	83620		
586	71907	27051	13800	762//	51500	87704		
590	81807	06464	14351	860//	51501	88700		
497	82110	12104	14600	862//	51204	88704		
502	52012	65021	10203	35602	01102	83630	83075	
628	51908	30051	12202	15701	50502	81650	85075	
715	71708	56041	12203	55508	01503	82625	84650	86275
703	52112	66012	11805	35605	02602	83630	85075	
827	62013	70011	12306	6843/	02500	82712	84640	
817	61908	65011	12005	685/1	02302	81820	86632	
804	61909	80011	11407	68500	02601	82820	85628	
809	42005	65011	12005	48501	00500	82820	84630	
894	11506	82020	14803	00902	54206	81075		
534	61505	30041	12251	20932	52501	82360	86070	
559	41704	50101	13550	40930	51603	84360		
462	62015	35051	13051	562/1	52301	85705		
354	71808	56051	11200	755//	52603	87626		
414	71507	50042	10802	4553/	50500	81620	84626	87360
360	71808	56041	10500	30972	52703	83362	87075	
396	31919	58020	11500	30970	52605	83360		
257	72011	60022	08402	35632	54501	83640	86360	87075
262	72020	61022	06402	7097/	50101	87358		
222	82213	58637	05702	853//	01303	83708	88620	
302	82129	72022	07807	754/7	01603	82617	87623	88268
334	71814	60022	09801	30932	51706	83360	87070	
318	81913	60037	07903	856//	00706	82630	88638	
204	82225	59617	04806	7542/	03702	83618	83622	85626
131	82520	74026	04604	855//	02002	88625		
162	81804	20737	05001	872//	00210	83703	85707	88710
135	70802	60607	04003	7537/	02309	83707	85710	86616
140	62703	70028	03502	5843/	01216	81815	85640	
171	52311	62026	03101	18432	00217	81815	85070	
091	12310	82028	01701	15730	52217	81650		
005	32411	81028	96302	39400	51307	81910		
075	22512	82021	99451	29400	53213	82918		
010	42710	81158	98105	43500	03209	84920		
049	52709	82018	98903	58500	51211	85820		
026	72611	62808	01401	793//	00219	81707	85910	
022	42910	72268	02703	49400	00216	81711	83914	
100	63109	80031	03503	42502	50214	84820	84070	
917	81902	22687	05201	860//	00206	83700	86702	88704
980	73312	80838	04303	795//	01212	87920		
976	70000	76216	05003	764//	01212	84718	86638	
965	82011	60586	05405	7647/	03301	85711	86634	88458
969	82015	80026	05405	3567/	01303	83640	88459	
962	72506	70605	05605	7647/	04301	82710	84718	85635
952	81817	75022	07807	854//	03500	82719	88634	
953	61909	80258	05807	68502	05001	85820	83640	

OBSERVATIONS during DAY

iii	RRT T_x E	sss	WEATHER 09h.–15h.	WEATHER 15h.–21h.
746	97003	000	FF1s.ffF	FFf
862	00061	050	+	+
797	00043	050	1fFf	+
776	92043	023	ffshss.	+
775	00033	017	+	+
772	00031	012	1f	+
586	91013	015	+	f
590	00503	000	FFff	ffF
497		070		
502	00051	056	+	+
628	00051	051	+	+
715	00051	033	+	+
703	00060	047		
827	00081	035	+	+
817	00071	056	+	+
804	00091	045	+	+
809	00071	042	+	+
894	00061	076	+	+
534	00033	064	+	+
559	00013	021	f	+
462	00023	059	+	+
354	00036	060	+	+
414	00033	038	+	+
360	00033	051	+	+
396			+	+
257	97031	035	+	r.
262	00035		+	+
222	11042	000	r.r.r.s.rr	rrr.s.rRrr
302	00071	000	+	+
334	00033	066	+	+
318	97043	002	+	r.s.
204	08061	000	r.r.RS	Rr.r.
131	02051			
162	11027	000	s.s-ss	ss.sss.s.
135	07031	000	RSssrr	1r.
140	06043	000	r.s.rr1r.	pr.pr.s.
171	01033	000	r.s.rss.-r.	+
091	97033	006	1s.r.s.pr.s.	pr.s.
005	01036	023	ph.	ph.r.pr.
075	00026	032	+	+
010	91050			
049	96042	028	1r.pr.	pr.
026	01043	043	pr.	pr.pr.s.ph.r.
022	01053	031	pr.s.ph.r.	prsphr
100	97055	062	pr.	ph.
917	05026	000	s.sfssr.s.d.	r.s.r.s.ss.f
980	0706	002		
976	0405	000		
965	9706	000		
969	9706	000		
962	0107	001		
952	0008	004		
953	0509	011		

fle FM 21.V

OCEAN WEATHER STATION REPORTS at 12h.

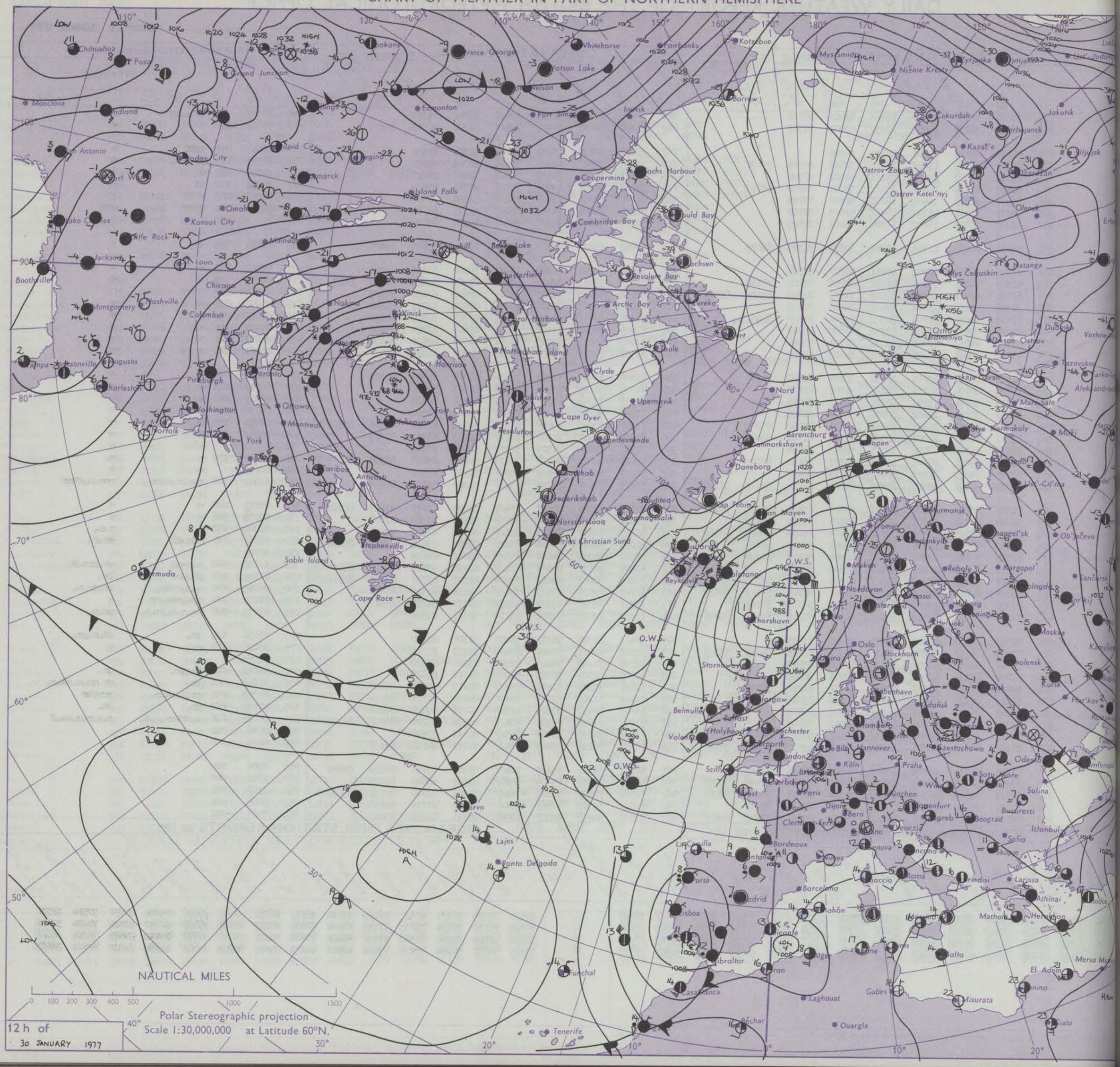
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30121	63001	98031	19103	21530	00304	/////	/////	05551	10582	3////	28307
L	99567	70178	30124	33610	98151	08004	38400	21308	83816	/////	0//57	10984	30603	05904
M	99656	10025	30124	81040	96698	94902	5732/	32731	/////	/////	05802	10665	30708	/////
R	99471	70168	30124	82913	97616	07607	886//	00613	88630	/////	0//07	11119	30303	/////

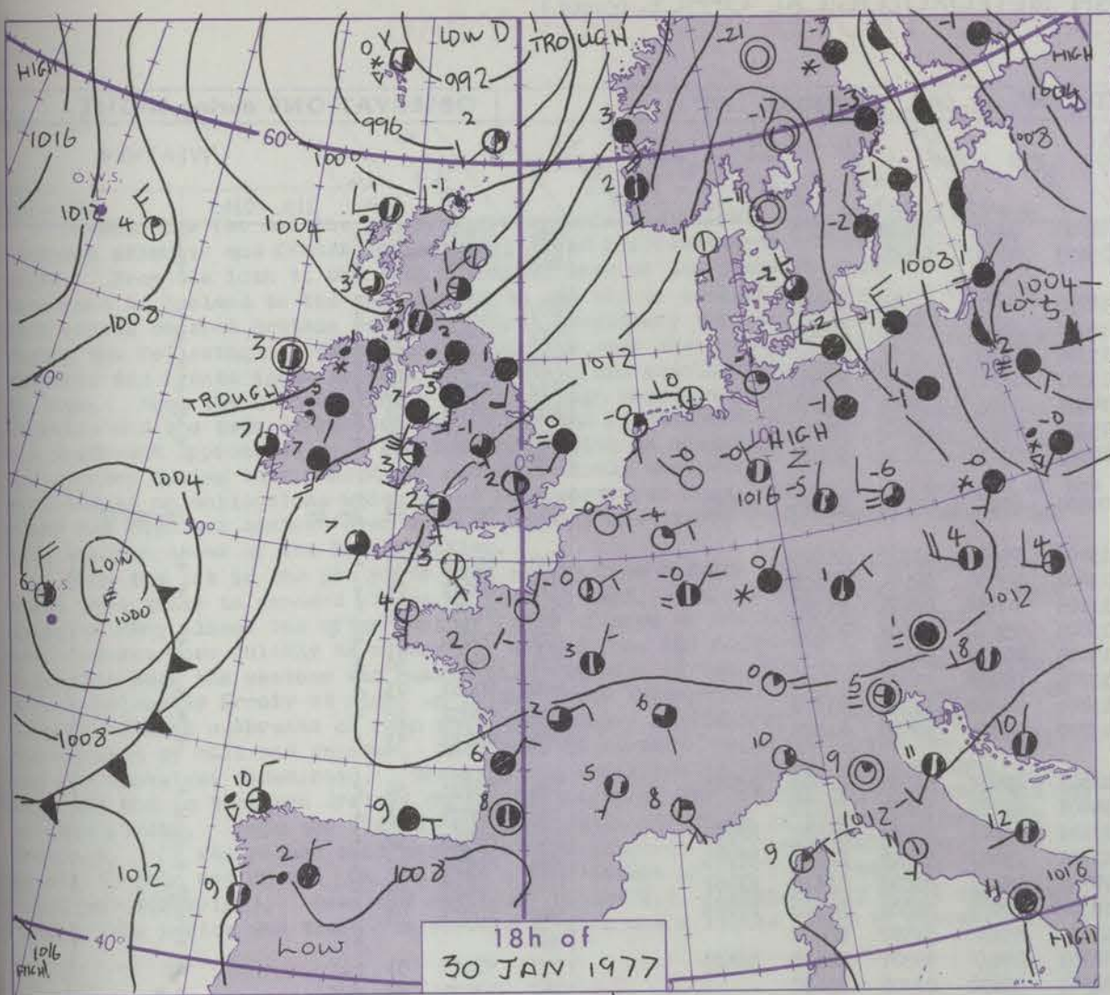
OCEAN WEATHER STATION REPORTS at 18h.

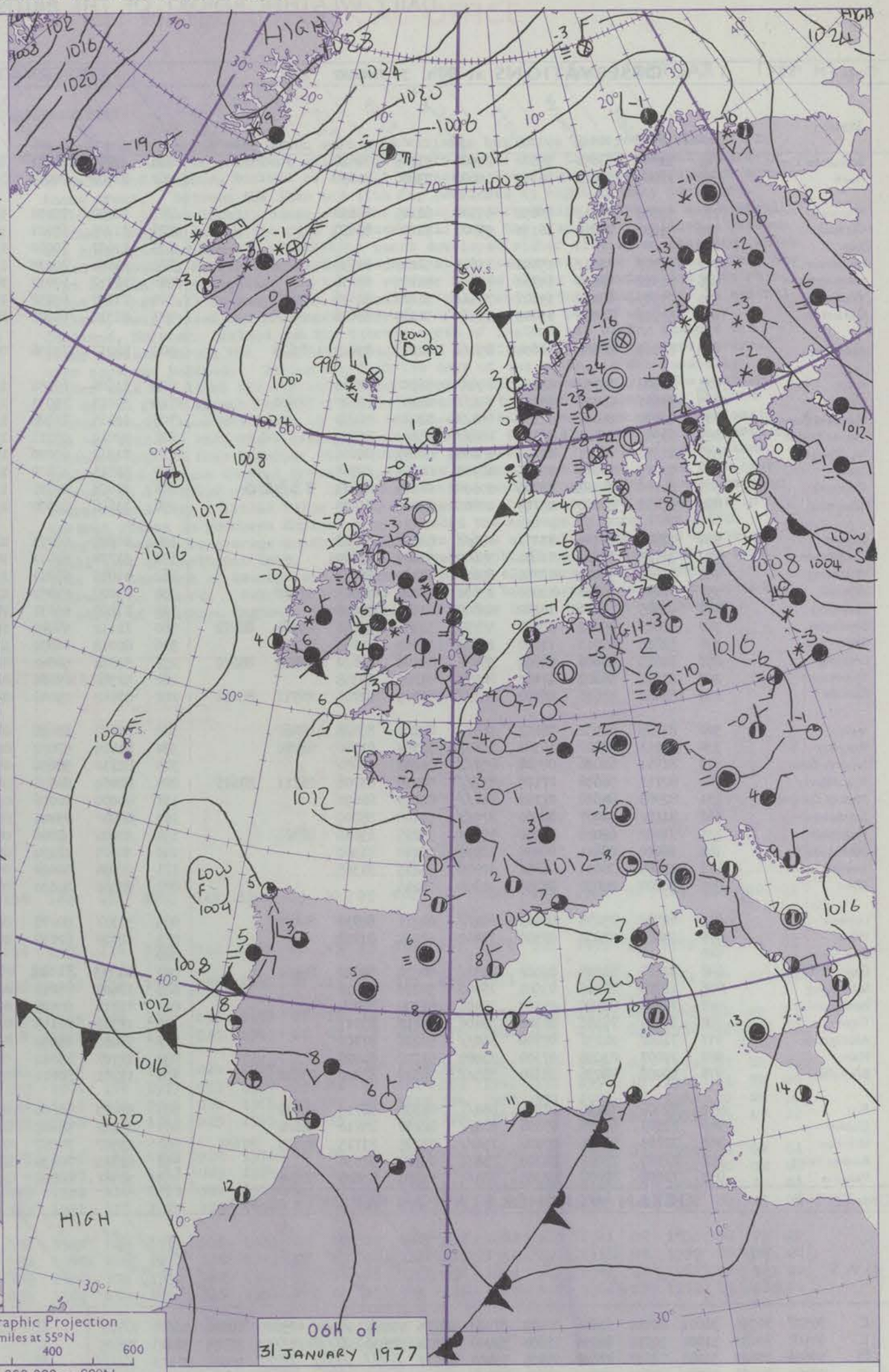
O.W.S.	$99L_aL_aL_a$	$Q_cL_oL_oL_o$	YYGGiw	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	D_sv_sapp	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$OT_sT_sT_dT_d$	$1T_wT_wT_wT_T$	$3P_wP_wH_wH_w$	$d_wd_wP_wH_wH_w$
C	99527	70355	30181	81511	98022	13904	4857/	00732	/////	/////	05202	10597	30504	28307
L	99565	70168	30184	33213	97158	08404	39400	61318	81915	/////	0//50	10920	30404	32806
M	99656	10029	30184	71540	97026	96404	77400	31207	/////	/////	05402	10689	31214	/////
R	99471	70167	30184	53319	97016	02606	42471	00609	84815	/////	0//04	11125	30402	28603

Times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE







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

Issued at midday MONDAY 31 JANUARY 1977

GENERAL SYNOPTIC DEVELOPMENT

During the past 24 hours a low north of the Shetlands remained stationary. An associated trough across Scotland and Northern Ireland moved very slowly southeast into north England. A high in the Dover Straits moved away slowly east. A low 500 miles southwest of Ireland moved into Finisterre, moving rapidly at first, then slowing. During the next 24 hours, the low north of the Shetlands is expected to remain stationary. The trough across northern England will progress slowly southeast into the Midlands. The low in Finisterre will move steadily southeast into Spain.

Code FM 11.V

OBSERVATIONS at 00h. 31 JANUARY 1977

Station	iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{dapp}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
Boscombe Down	746	21907	56054	15100	25500	51205	82620		
Hurn	862	11804	65021	15352	15600	53206	81630		
Manston	797	51808	70011	16651	55700	52105	85650		
Gatwick	776	51902	70011	16151	55700	52206	85650		
Kew	775								
Heathrow	772	21907	70011	15402	15601	52207	81630		
Honington	586	71912	59024	14701	756//	52105	87636		
Wattisham	590	71909	68024	15601	755//	51209	82626	87650	
Gorleston	497	82212	66024	15402	855//	51204	88628		
Aberporth	502	82111	60602	11004	854//	02208	83710	88625	
Filton	628	71808	60052	13204	756//	51302	87645		
Rhoose	715	72011	70012	13104	755//	01207	82620	87640	
Hartland Point	703	62017	66032	12104	657//	02400	86650		
Mount Batten	827	61915	70021	13706	656//	03211	86640		
St. Mawgan	817	41811	70011	12705	45600	02207	84645		
Scilly	804	12013	80011	12407	12400	04107	81818		
Culdrose	809	61710	70022	13206	35530	02209	83625	83360	
Guernsey	894	11409	81020	15703	00902	53205	81075		
Elmdon	534	71804	40104	13351	756//	52307	87639		
Cardington	559	31713	65011	14601	35600	51109	83640		
Wittering	462	62010	35102	13750	656//	51104	86635		
Watnall	354	72010	20051	12100	25631	51207	82645	87075	
Shawbury	414	41605	56041	11202	45600	01106	84630		
Finningley	360	82009	45042	10800	55777	51303	85656	85360	88272
Spurn Point	396	51816	61011	11800	25608	50003	82635	85275	
Leeming	257	81613	40606	08803	55477	00006	85614	84459	88272
Tynemouth	262	81914	56602	07403	8097/	01205	88358		
Carlisle	222	83402	50636	06702	853//	01305	82706	86711	88618
Valley	302	82225	68032	08607	5557/	02106	85628	88460	
Ringway	334	81911	57022	10302	10937	52304	81360	88270	
Squires Gate	318	81911	62026	08504	857//	01205	88650		
Ronaldsway	204	82712	56636	07105	853//	04215	83708	86711	88615
Mull of Galloway	131	82903	84616	07102	856//	02213	88630		
Eskdalemuir	162	81202	04467	06500	870//	50108	88700		
Prestwick	135	71402	62026	06650	3563/	50215	83640	87361	
Abbotsinch	140	10000	08411	06455	10931	55214	81360		
Leuchars	171	12305	70011	06052	10930	55215	81365		
Dyce	091	00000	84020	05252	00900	56216			
Lerwick	005	62509	75298	98601	694//	01211	82910	84622	
Wick	075	22413	83010	02300	19402	52214	81918		
Sule Skerry	010								
Cape Wrath	049	82307	82258	02002	4351/	00220	84920	88460	
Stornoway	026	12309	75018	03501	19400	50210	81912		
Benbecula	022	12508	82158	05103	19400	51309	81914		
Tiree	100	33209	75158	06302	39400	01212	83917		
Aldergrove	917	71602	22237	07700	760//	50214	87700		
Malin	980	22007	83018	07100	23500	51212	81920		
Belmullet	976	52402	78036	08100	585//	50219	83820	83640	
Birr	965	82206	70216	07505	864//	04308	86713	86632	
Dublin	969	82509	65605	07106	864//	02209	85716	88624	
Shannon	962	71703	75216	07404	754//	03209	81715	84625	87635
Roches Point	952	71914	75022	08308	756//	05102	87634		
Valentia	953	70603	80038	07305	785//	03500	83820	86643	

OBSERVATIONS at 06h. 31 JANUARY 1977

iii	Nddff	VVwwW	PPPTT	$N_hC_LhC_MC_H$	T_dT_{dapp}	$8N_sCh_sh_s$	$8N_sCh_sh_s$	$8N_sCh_sh_s$
746	21709	70031	14953	00901	55603	82075		
862	01707	70020	15103	00900	52604			
797	21709	70031	16752	00901	53202	82075		
776	11705	65021	16152	15700	53803	81650		
775	11607	70020	15350	15600	53806	81640		
772	21604	70030	15351	15701	53506	81650		
586	71912	62032	14201	756//	53704	87642		
590	71909	65032	15301	756//	52802	87644		
497	82310	66022	14902	857//	51602	88650		
502	82017	75036	09804	855//	03706	83625	88657	
628	51606	60051	13402	55600	51302	85645		
715	52013	75031	12604	55600	00501	85635		
703	12115	75028	12105	10930	02601	81360		
827	42012	68011	13805	45600	01303	84632		
817	01812	80020	13003	00900	51203			
804	01915	80020	12706	00900	03204			
809	31608	82021	13704	38500	51303	81820		
894	11608	82030	15702	00902	54000	81075		
534	41809	66031	12801	20932	51502	82362	83075	
559	31714	68011	14001	00902	52705	83070		
462	41915	65011	13101	15601	51504	81635	84075	
354	72009	57052	11401	25602	51001	82645	87075	
414	71809	66031	10702	5541/	01603	85616	87461	
360	72112	59042	10302	10978	50801	81362	87275	
396	82018	66031	11501	857//	51502	88650		
257	81808	56046	08903	854//	50301	84617	88623	
262	52308	69026	08702	55630	01206	85630		
222	81402	15216	08101	852//	01105	85704	86712	88618
302	82621	60626	08506	5532/	04501	81706	85615	88525
334	81815	57032	09902	1577/	51702	81650	88462	
318	82710	58686	08604	854//	02303	86710	88622	
204	80404	60686	08101	874//	01205	82710	88712	
131	80000	80026	08203	864//	02204	88710		
162	80000	03444	08453	860//	53005	88700		
135	31002	58046	08052	15430	52204	81715	83362	
140	30000	12284	08155	00901	56205	83072		
171	02604	80020	07553	00900	57206			
091	00000	84020	06853	00900	55206			
005	52317	80278	00501	59400	51209	83912		
075	12609	82010	04150	19400	52207	81918		
010								
049	42713	82028	03603	43500	00208	84920		
026	12409	75018	04801	19400	00205	81912		
022	72716	60878	06402	793//	01305	84708	87914	
100	12306	80158	07450	19400	51201	81915		
917	93401	03454	09000	9////	51304	89/00		
980	12107	83010	08201	13500	51204	81920		
976	13101	80011	09650	11500	51306	81820		
965	83403	40706	09200	862//	00308	88705		
969	83302	58607	08501	862//	00210	84703	86707	88620
962	43507	70017	09601	46000	01214	83701	83656	
952	82803	70036	08906	856//	05502	88645		
953	30307	80028	10004	32500	02318	83820		

OBSERVATIONS during NIGHT

iii	RRT_nT_hE	T_gT_g	WEATHER 21h.–03h.	WEATHER 03h.–09h.
746	00533	57	+	+
862	00541	57	+	+
797	00523	55	+	+
776	00553	59	+	+
775	00533	59	+	+
772	00533	55	+	+
586	00513	52	+	+
590	00513	56	+	+
497				
502	04031	53	ir.ir	ir.pr.ir
628	00013	53	+	+
715	00031	01	+	+
703	97030	01		
827	00050	51	+	+
817	00031	50	+	+
804	00061	03	+	+
809	00031	52	+	+
894	00013	53	+	+
534	00523	54	f	+
559	00003	53	+	+
462	00513	52	+	+
354	00516	53	+	+
414	97013	52	+	r.
360	00513	53	+	+
396			+	+
257	97013	51	r.	d.
262	93021	50	r.r.	r.r.
222	05011	00	rrr.r.	r.r.f
302	07042	04	ir.	irr.r.iRr.
334	00013	00	+	+
318	07031	01	r.	r.s.rR
204	12011	00	rrRr.	rr-rsr.s.r.s.
131	01021			
162	01557	53	s.s.ff	ff
135	97523	56	ir.	+
140	00573	60	if	ff1FFF
171	00543	57	+	+
091	00543	59	+	+
005	04006	51	ph.r.ph.	ph.ps.
075	00526	55	+	+
010				
049	93032	00	pr.	pr.
026	01003	51	pr.s.pr.	pr.pr.s.
022	04015	52	pr.s.ps.	ps.ph
100	92515	56	ph.phr	pr.s.
917	95516	51	s.f-sr.s.ff	fff
980	02513	54		
976	97525	56		
965	04006	50		
969	03011	00		
962	03011	50		
952	10031	03		
953	08011	52		

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	31001	81414	97616	09105	8742/	00724	/////	/////	05005	10586	3//07	/////
L	99567	70180	31004	32710	98038	11004	32400	62213	83816	/////	0//52	10955	30403	32805
M	99656	10029	31004	71637	97028	99905	79400	00217	/////	/////	/////	10655	31212	/////
R	99471	70168	31004	73635	97219	06609	784//	81335	83815	86633	0//07	11133	30505	/////

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	31061	81220	95656	95506	8742/	00768	/////	/////	00005	10581	3//09	/////
L	99569	70190	31064	33321	98018	13104	32400	62212	83816	/////	0//51	10945	30404	32805
M	99659	10026	31064	81428	97616	00405	5742/	00303	/////	/////	05301	10640	30808	/////
R	99472	70170	31064	00123	98018	14010	00900	00226	/////	/////	0//08	11111	30806	/////

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.