

THE DAILY WEATHER REPORT

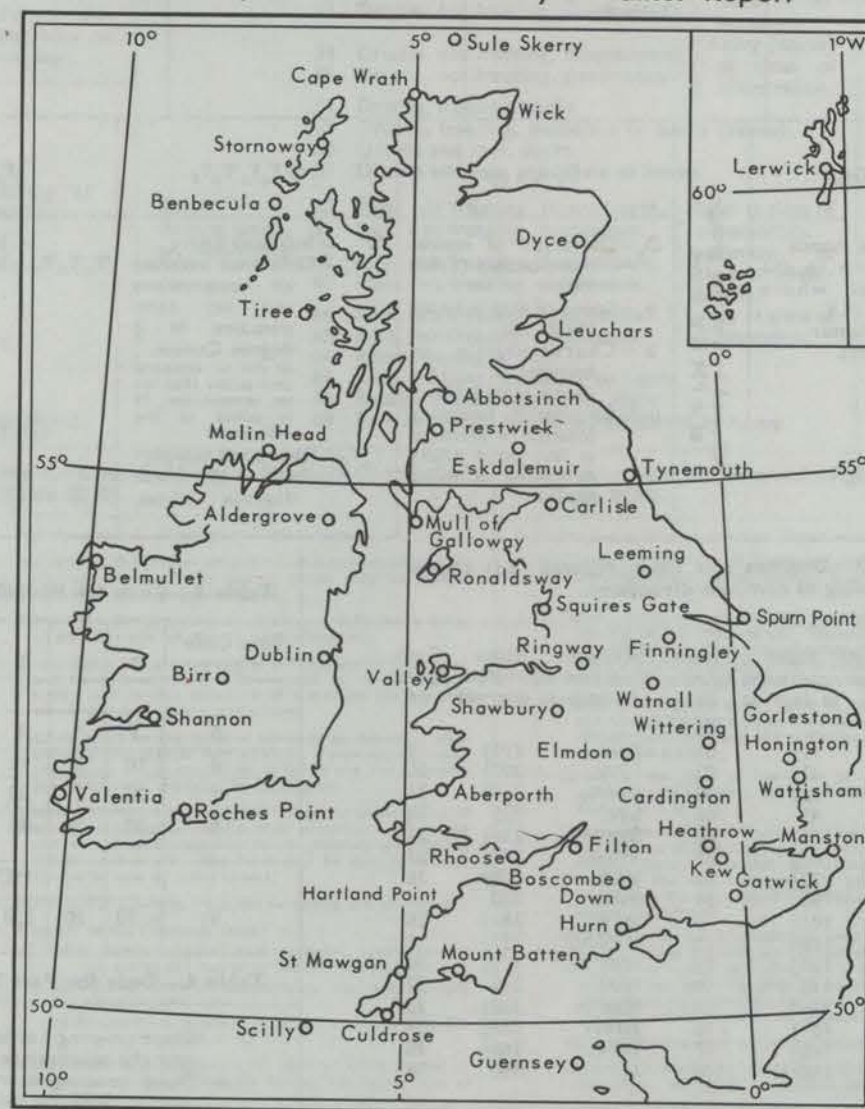
(INTRODUCTION)

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1st October to 31st December, 1977

Stations published in the Daily Weather Report



METEOROLOGICAL OFFICE
Bracknell, Berkshire

I. 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.

4. EXPLANATION OF CODES AND SPECIFICATIONS

CODE FM 11 V—Land Stations		CODE FM 21 V—Ships	
N dd ff	VV ww W	99 L _a L _s L _a	Q _c L _o L _o L _o
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).	99 = Indicator group. L _a L _s L _a = Latitude in tenths of a degree.	Q _c = Quadrant of the globe (Table 17). L _o L _o L _o = Longitude in tenths of a degree.
PPP TT	N _h C _L h C _M C _H	YY GG i _w	D _s v _s a pp
PPP = Last three figures of pressure (reduced to M.S.L.) in millibars and tenths. TT = Temperature in whole degrees Celsius. <small>Note.—In reports from ocean weather stations (FM 21 V) only the tens and units figure of air temperature are reported. The tenths figure is reported by t_r.</small>	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).	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).
T _d T _d a pp	8 N _s C h _s h _s	O T _s T _s T _d T _d	I T _w T _w T _w T _w
T _d T _d = Dew point temperature in whole degrees Celsius. a = Characteristic of barometric tendency (Table 10). pp = Barometric tendency (change of pressure in last three hours in tenths of millibars).	8 = Indicator figure. N _s = Amount in eighths of individual cloud layer or mass (Table 1). C = Type of cloud (Table 11). h _s h _s = Height of base of cloud (Table 12).	O = Indicator figure. T _s T _s = Difference between air temperature and sea temperature in $\frac{1}{2}$ degree Celsius. (If the air temperature is less than the sea temperature, 50 is added to the difference.) T _d T _d = Dew point temperature in whole degrees Celsius.	I = Indicator figure. T _w T _w T _w = Sea surface temperature in tenths of a degree Celsius. For negative temperatures 500 is added. T _r = The tenths figure of the air temperature.
RR T _x T _x E	RR T _n T _n E	3 P _w P _w H _w H _w	d _w d _w P _w H _w H _w
RR = Rainfall (Table 19) (Code 3577) (09h–21h). T _x T _x = Maximum temperature in whole degrees Celsius (09h–21h). T _n T _n = Minimum temperature in whole degrees Celsius (21h–09h).	T _x T _x = Maximum temperature on grass in whole degrees Celsius (21h–09h). T _n T _n = Minimum temperature on grass in whole degrees Celsius (21h–09h). E = State of ground (Table 13) (Code 0900) (at 21h and 09h).	3 = Indicator figure. P _w P _w = Period of waves in seconds. H _w H _w = Height of the waves in units of 0.5 metre. <small>This group refers to wind waves. If there is a swell with no wind waves this group is reported as 3/00.</small>	d _w d _w = Direction (in tens of degrees) from which waves come. P _w = Period of waves (Table 16). H _w H _w = Height of the waves in units of 0.5 metre. <small>This group is used to report swell when it is possible to make a clear distinction between swell and wind waves.</small>

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	Exact	Code	Direction	Exact	Code
(Compass equivalent Points)	in degrees	dd	(Compass equivalent Points)	in degrees	dd
Calm	—	00	S'W.	191½	19
N'E.	11½	01	SSW.	202½	20
NNE.	22½	02	SW'S.	213½	21
NE'N.	33½	03	SW.	225	23
NE.	45	05	SW'W.	236½	24
NE'E.	56½	06	WSW.	247½	25
ENE.	67½	07	W'S.	258½	26
E'N.	78½	08	W.	270	27
E.	90	09	W'N.	281½	28
E'S.	101½	10	WNW.	292½	29
ESE.	112½	11	NW'W.	303½	30
SE'E.	123½	12	NW.	315	32
SE.	135	14	NW'N.	326½	33
SE'S.	146½	15	NNW.	337½	34
SSE.	157½	16	N'W.	348½	35
S'E.	168½	17	N.	360	36
S.	180	18			

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

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

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

- Standard of Time.**—Greenwich Mean Time is exclusively used throughout the Report.
- 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.
- 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).
- 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.
- 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.
- 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, Kilmsea, Guernsey, Scilly, Hartland Point.

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

First Code Figure	0	1	2	3	4	5	6	7	8	9
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
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 $\frac{1}{8}$ or less of the sky throughout the appropriate period.	3 = Sandstorm, duststorm or blowing snow.
1 = Cloud covering more than $\frac{1}{8}$ of the sky during part of the appropriate period and covering half or less during part of the period.	4 = Fog, ice fog or thick haze (visibility less than 1000 m.).
2 = Cloud covering more than $\frac{1}{8}$ of the sky throughout the appropriate period.	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.	30-39 Duststorms, Sandstorms, drifting or blowing snow.	30	has decreased during preceding hour. no appreciable change during preceding hour. has begun or has increased during preceding hour. has decreased during preceding hour. no appreciable change during preceding hour. has begun or has increased during preceding hour.	70-79 Solid precipitation not in showers.	70	Intermittent fall of snow flakes.	slight at time of observation.		
	01	Clouds generally dissolving or becoming less developed.		31			Slight or moderate duststorm or sandstorm.	71		Continuous fall of snow flakes.	
	02	State of sky on the whole unchanged.		32				Severe duststorm or sandstorm.		72	Intermittent fall of snow flakes.
	03	Clouds generally forming or developing.		33					73	Continuous fall of snow flakes.	
	04	Visibility reduced by smoke, e.g., veldt or forest fire, industrial smoke or volcanic ashes.		34			Slight or moderate drifting snow. Heavy drifting snow. Slight or moderate blowing snow. Heavy blowing snow.		74	Intermittent fall of snow flakes.	heavy at time of observation.
	05	Haze		35				75	Continuous fall of snow flakes.		
	06	Widespread dust in suspension in the air, not raised by wind at or near the station at the time of observation		36				76	Ice prisms (with or without fog).		
	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.		37			generally low.	77	Snow grains (with or without fog).		
	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.		38				generally high.	78	Isolated starlike snow crystals (with or without fog).	
	09	Duststorm or sandstorm within sight of the station or at the station during the preceding hour.		39					79	Ice pellets type (a).	
	10	Mist.	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.	80-90 Showery precipitation	80		Rain shower(s), slight.	thunderstorm during the preceding hour, but not at time of observation.	
	11	Shallow fog or ice fog, in patches.		41	Fog or ice fog in patches.		81	Rain shower(s), moderate or heavy.			
	12	Shallow fog or ice fog, land or 10 metres at more or less continuous.		42	Fog or ice fog, sky discernible.		82	Rain shower(s), violent.			
	13	Lightning visible, no thunder heard.		43	Fog or ice fog, sky not discernible.		83	Shower(s) of rain and snow, slight.			
	14	Precipitation within sight, not reaching the ground or the surface of the sea.		44	Fog or ice fog, sky not discernible.		84	Shower(s) of rain and snow, moderate or heavy.			
	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.		45	Fog or ice fog, sky not discernible.		85	Snow shower(s), slight.			
	16	Precipitation within sight reaching the ground or the surface of the sea near to but not at the station.		46	Fog or ice fog, sky discernible.		86	Snow shower(s), moderate or heavy.			
	17	Thunderstorm, but no precipitation at time of observation.		47	Fog or ice fog, sky not discernible.		87	Shower(s), or snow pellets or ice pellets type (b) with or without rain or rain and snow mixed.	slight moderate or heavy.		
	18	Squalls.		48	Fog, depositing rime, sky discernible.		88	Shower(s) of hail, with or without rain or rain and snow mixed, not associated with thunder.			slight moderate or heavy.
19	Funnel cloud(s)†	49		Fog, depositing rime, sky not discernible.	89						
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.	50-59 Drizzle at time of observation.	50	Drizzle, not freezing, intermittent.	91-99 Precipitation with current or recent thunderstorm	91	Slight rain at time of observation.	thunderstorm at time of observation.		
	21	Rain (not freezing).		51	Drizzle, not freezing, continuous.		92	Moderate or heavy rain at time of observation.			
	22	Snow.		52	Drizzle, not freezing, intermittent.		93	Slight snow, rain and snow mixed, or hail* at time of observation.			
	23	Rain and snow or ice pellets type (a).		53	Drizzle, not freezing, continuous.		94	Moderate or heavy snow, rain and snow mixed or hail* at time of observation.			
	24	Freezing drizzle or freezing rain.		54	Drizzle, not freezing, intermittent.		95	Thunderstorm, slight or moderate, without hail* but with rain and/or snow at time of observation.			
	25	Shower(s) of rain.		55	Drizzle, not freezing, continuous.		96	Thunderstorm, slight or moderate, with hail* at time of observation.			
	26	Shower(s) of snow, or of rain and snow.		56	Drizzle, freezing, slight.		97	Thunderstorm, heavy, without hail*, but with rain and/or snow at time of observation.			
	27	Shower(s) of hail*, or of hail and rain.		57	Drizzle, freezing, moderate or heavy (dense).		98	Thunderstorm combined with duststorm or sandstorm at time of observation.			
	28	Fog or ice fog.		58	Drizzle and rain, slight.		99	Thunderstorm, heavy, with hail* at time of observation.			
	29	Thunderstorm (with or without precipitation).		59	Drizzle and rain, moderate or heavy.						
60-69 Rain at time of observation.	60	Rain, not freezing, intermittent.	60-69 Rain at time of observation.	60	Rain, not freezing, intermittent.	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.					
	61	Rain, not freezing, continuous.		61	Rain, not freezing, continuous.						
	62	Rain, not freezing, intermittent.		62	Rain, not freezing, intermittent.						
	63	Rain, not freezing, continuous.		63	Rain, not freezing, continuous.						
	64	Rain, not freezing, intermittent.		64	Rain, not freezing, intermittent.						
	65	Rain, not freezing, continuous.		65	Rain, not freezing, continuous.						
	66	Rain, freezing, slight.		66	Rain, freezing, slight.						
	67	Rain, freezing, moderate or heavy.		67	Rain, freezing, moderate or heavy.						
	68	Rain or drizzle, and snow, slight.		68	Rain or drizzle, and snow, slight.						
	69	Rain or drizzle and snow, moderate or heavy.		69	Rain or drizzle and snow, moderate or heavy.						

Table 6.—Code for form of Low Cloud (CL) (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, strato-cumulus 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 (CM) (Code 0515)

0	No altostratus, 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	Altostratus, 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 altostratus, 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 altostratus in bands or altostratus in one more or less continuous layer progressively invading the sky: these altostratus clouds generally are growing denser as a whole. The layer may be opaque or may consist of two or more sheets.
6	Altostratus resulting from the spreading out of cumulus.
7	Any one of the following cases:— (a) Altostratus in two or more layers, usually opaque in places and not progressively invading the sky. (b) Opaque layer of altostratus not progressively invading the sky. (c) Altostratus together with altostratus or nimbostratus or both.
8	Altostratus with sprouts in the form of small towers or battlements, or altostratus having the appearance of cumuliform tufts.
9	Altostratus, generally at several levels, in a chaotic sky: dense cirrus is usually also present.
/	Altostratus, 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 (CH) (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 CL reported, h refers to this cloud. If, however, there is no cloud of Form CL and there is cloud of Form CM h refers to this cloud.

Table 10.—Code for Characteristic of Barometric Tendency (a) (Code 0200)		Table 11.—Code for Type of Cloud (C) (Code 0500)		Table 12.—Code for Height of Cloud (h_sh_s) (Code 1677)	
0 = Increasing, then decreasing; atmospheric pressure the same as or higher than 3 hrs ago.		0 = Cirrus (Ci).		Code figures 01–50: × 30 = height in metres. Code figures 56–80: — 50 × 3 = height in hundreds of metres.	
1 = Increasing, then steady; or increasing, then increasing more slowly.		1 = Cirrocumulus (Cc).		CODE FIGURES 81–89	
2 = Increasing (steadily or unsteadily).		2 = Cirrostratus (Cs).		Code figures 81 = 10,500	
3 = Decreasing or steady, then increasing; or increasing, then increasing more rapidly.		3 = Altcumulus (Ac).		82 = 12,000	
4 = Steady, atmospheric pressure the same as 3 hrs ago.		4 = Altostratus (As).		83 = 13,500	
5 = Decreasing, then increasing; atmospheric pressure the same as or lower than 3 hrs ago.		5 = Nimbostratus (Ns).		84 = 15,000	
6 = Decreasing, then steady; or decreasing, then decreasing more slowly.		6 = Stratocumulus (Sc).		85 = 16,500	
7 = Decreasing (steadily or unsteadily).		7 = Stratus (St).		86 = 18,000	
8 = Steady or increasing, then decreasing; or decreasing, then decreasing more rapidly.		8 = Cumulus (Cu).		87 = 19,500	
		9 = Cumulonimbus (Cb).		88 = 21,000	
		/ = Cloud not visible owing to darkness, fog, duststorm, sandstorm or other analogous phenomena.		89 = >21,000	
				*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)		Table 15.—Code for Speed of Ship (v_s) (Code 4451)		Table 16.—Code for Period of Waves (P_w) (Code 3155)	
0 = Stationary.		kt		sec	
1 = North-east.		0 = 0		0 = 10	
2 = East.		1 = 1–5		1 = 11	
3 = South-east.		2 = 6–10		2 = 12	
4 = South.		3 = 11–15		3 = 13	
5 = South-west.		4 = 16–20		4 = 14 or more	
6 = West.		5 = 21–25		5 = 5 or less	
7 = North-west.		6 = 26–30		6 = 6	
8 = North.		7 = 31–35		7 = 7	
9 = No definite direction or unknown.		8 = 36–40		8 = 8	
		9 = >40		9 = 9	
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DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

No. 264

MONTHLY SUMMARY

For DECEMBER 1977

MAINLY MILD AND OFTEN RATHER CLOUDY

An anticyclone covering southern Scandinavia and the North Sea on the 1st drifted away eastwards on the 2nd and 3rd. From time to time during the following week, depressions and fronts from the Atlantic moved in a mainly northeasterly direction over or near the British Isles. On the 11th and 12th pressure rose to the south and southwest of the British Isles and subsequently, tracks of Atlantic depressions were transferred to the northwest or north of the country although their associated fronts still crossed many districts at times. Between the 13th and 15th an anticyclone over France drifted northeastwards into the North Sea and moved away eastwards on the 16th. Another anticyclone moved quickly eastwards across Scotland on the 17th. From then until the 26th depressions and fronts periodically crossed the British Isles from southwest to northeast, interspersed with weak ridges of high pressure. On the 27th a north to northwesterly airflow became established over the British Isles and between the 28th and 30th a few weak fronts moved rapidly southeastwards across most districts. The airflow backed to the west behind a warm front which crossed all districts on the 31st.

The 1st was a cold day particularly in the north but the freezing fog which had persisted in the Glasgow area continuously since the evening of the 27th November finally lifted during the afternoon. There was a little rain or sleet especially in southern districts and snow fell in the Channel Islands. From the 2nd onwards the weather became steadily milder and remained so until after Christmas. Until the 10th there were occasional outbreaks of rain and although it was mostly rather cloudy there were also a few clear or sunny periods and overnight fog patches. In England and Wales rainfall was heavy at times and between the 6th and 8th snow fell on the Welsh mountains and in northern England and Scotland. In Shetland the snow was heavy for a time on the 7th. Winds blew from easterly or southerly points at first and reached gale force at times, especially the west and north. Rainfall became more showery in character on the 11th and 12th as westerly winds spread into the British Isles and clear or sunny periods were more frequent. However, between the 13th and 17th, the cloudier weather returned and

there was slight rain in places and occasional mist or fog patches. Heavy rain fell in southern and central England during the night of the 17th/18th but on the following day many places had sunny periods. Fog was widespread in central and eastern England on the 19th and persisted all day at Heathrow. On the following day fog was even more widely spread over England and persisted all day in places in the east and north. Elsewhere changeable weather continued. On the 23rd southwesterly gales blew over southern and western coasts and extended to many other parts of England and Wales on the 24th. On that day, a maximum gust of 88kt was recorded at Hartland Point (North Devon). The 23rd was very mild over central and southern districts of England where maximum temperatures exceeded 15°C (59°F) in a few places. From the 27th to the 30th it was colder and there were northwesterly gales in exposed places. Changeable weather continued but hail, sleet or snow fell at times over high ground generally and over low ground in Scotland. However, it became milder again as a warm front accompanied by occasional rain or drizzle crossed all districts on the 31st.

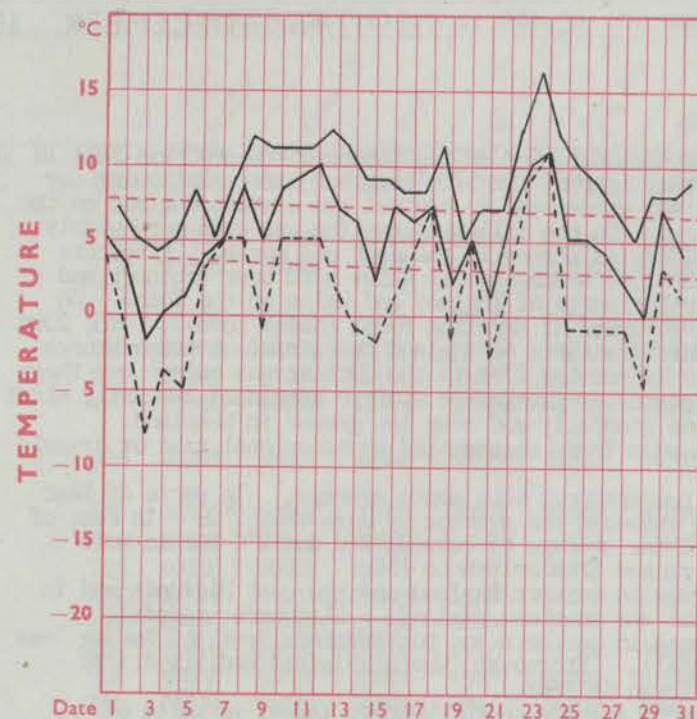
In all districts, mean monthly temperatures were above average. In parts of East Anglia and southeastern England they exceeded the average by more than 2°C. In most of the remaining districts they exceeded the average by between 1°C and 2°C but in some western coastal places the excesses ranged from only 0 to 1°C.

Rainfall was near or above average in eastern England and the east Midlands and in parts of North Wales, northern England and southern England. Elsewhere, rainfall amounts were below average, some places in northern and northwestern Scotland having less than half of their normal monthly totals. Stornoway (Western Isles) had its driest December since records for the area began in 1888.

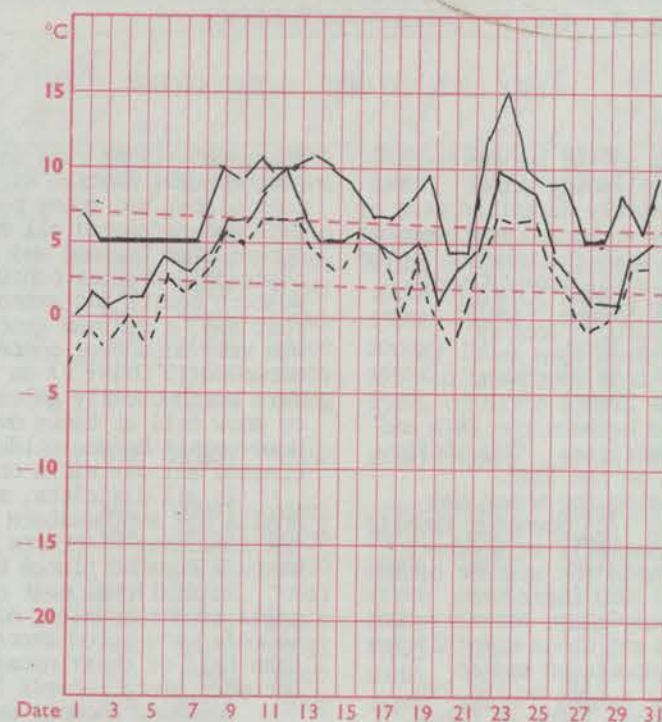
Sunshine amounts were near or above average in the Western Isles, in parts of southern Scotland, northern and eastern England and in Jersey (Channel Islands). Elsewhere, sunshine was below average, the Isle of Man and parts of Northern Ireland and southwestern England having only about half their normal amounts.

PLACE	TEMPERATURE										SUNSHINE										RAINFALL										Days with thunder	Days with snow or rain and snow	Days with fog (Vis. $\frac{1}{16}$ or less at 09 h.)	
	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 hrs.	Maximum duration hrs.	Date	Total for month hrs.	% of average	Highest and lowest totals on record for month					Days of no rainfall (0.1 mm. or less) mm.	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 hrs.	Year	Lowest hrs.	Year						First year of record	Highest mm.	Year	Lowest mm.	Year				
Kew Thorney Island	08.8	+1.6	04.9	+2.2	15.7*	23	-02.4	03	14	02	09	06.3	04	039	092	1880	072	1886	003	1890	14	20	07	059	114	1866	162	1914	06	1926	00	01	01	
Cardington	08.5	+1.7	03.8	+2.1	15.3	23	-02.6	03	11	04	09	06.5	04	057	116	1949	091	1962	014	1969	12	12	07	057	127	1947	093	1965	10	1963	00	02	00	
Boscombe Down	08.3	+1.4	04.0	+1.9	13.7	23	-01.7	03	08	04	11	06.4	28	041	081	1932	091	1962	020	1956	12	24	09	099	132	1931	204	1934	11	1933	00	02	01	
Rhoose	08.4	+0.4	05.0	+2.3	14.0*	23	00.1	28	05	00	14	06.9	28	034	071	1954	065	1961	003	1956	10	11	07	071	073	1954	208	1965	42	1967	00	00	01	
Mount Batten	10.3	+1.1	06.4	+1.5	13.2	23	-00.4	29	05	01	11	05.5	28	037	069	1921	082	1946	027	1927	15	20	09	143	130	1921	246	1934	14	1926	00	00	01	
Elmdon	07.8	+1.3	04.0	+2.2	14.5	23	-01.6	03	09	03	07	05.6	15	048	114	1945	070	1976	019	1956	12	17	07	074	121	1940	138	1965	12	1963	01	01	00	
Valley	09.4	+0.9	05.7	+1.1	12.9	20	01.5	01	08	00	10	06.5	20	047	094	1946	080	1960	030	1959	12	33	22	105	112	1941	179	1964	17	1963	00	00	00	
Ringway	07.9	+1.5	04.4	+2.2	15.1*	23	-00.2	01	08	01	10	05.5	02	045	120	1945	065	1964	016	1947	14	05	(a)	048	062	1942	180	1965	11	1963	00	02	00	
Watnall	07.6	+1.5	03.7	+1.8	13.9	23	-01.9	03	12	05	13	04.9	15	032	085	1948	062	1961	012	1956	15	18	07	072	116	1941	180	1965	19	1963	00	01	02	
Finningley	07.9	+1.1	03.3	+1.2	15.0*	23	-02.8	03	14	05	10	06.0	30	041	107	1958	075	1972	014	1958	17	14	07	048	112	1958	097	1965	08	1963	00	01	01	
Tynemouth	07.7	+1.1	04.7	+1.5	14.4	23	00.8	31	03	00	14	05.4	30	035	092	1936	071	1966	023	1968	18	15	07	048	093	1854	133	1915	04	1905	00	00	00	
Eskdalemuir	05.9	+1.1	02.1	+1.8	10.2	24	-04.5	03	15	08	17	05.0	30	037	092	1911	074	1967	003	1912	09	56	22	159	102	1911	339	1932	33	1933	00	07	00	
Abbotsinch	07.4	+0.9	03.5	+1.6	11.1	13	-04.0	02	09	07	12	04.1	02	030	100	1921	068	1967	009	1956	13	14	22	059	055	1921	230	1929	15	1933	00	03	01	
Leuchars	07.3	+1.2	03.4	+1.8	11.2	23	-03.3	03	10	05	09	05.6	30	049	100	1921	082	1967	016	1934	20	08	10	043	075	1921	127	1959	08	1926	00	04	00	
Dyce	07.1	+1.4	03.0	+2.0	11.9	14	-02.4	01	13	05	15	05.3	15	031	067	1941	067	1951	017	1968	13	19	10	065	087	1942	147	1955	25	1941	00	04	01	
Stornoway	07.8	+0.8	03.9	+1.0	10.4	14	-02.5	18	10	05	13	05.9	02	041	163	1880	054	1935	006	1884	11	04	23	029*	022	1943	214	1949	58	1963	00	02	00	
Aldergrove	07.9	+1.2	04.2	+1.7	12.8	23	-05.0	01	03	03	14	04.5	28	023	064	1927	070	1935	017	1954	09	17	09	079	086	1927	145	1929	15	1963	00	02	00	
* New highest											* New lowest (a) 09, 16																							

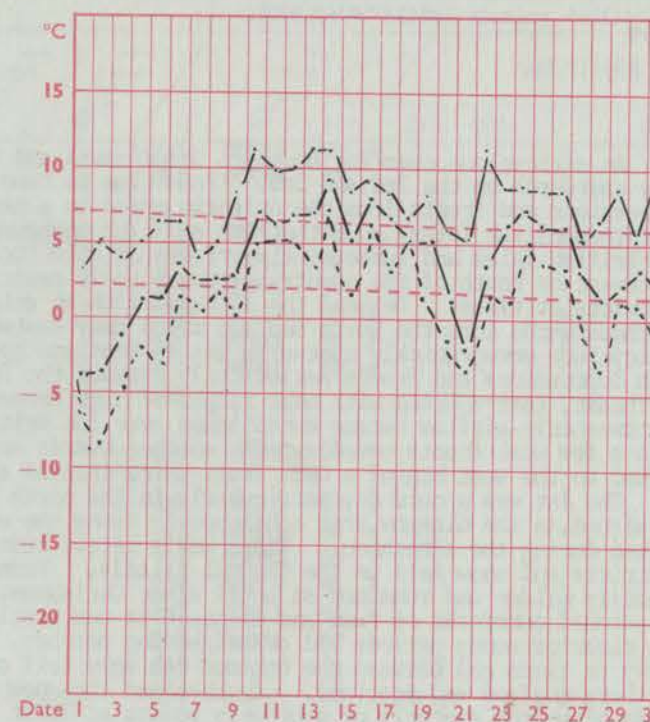
LONDON (Kew)



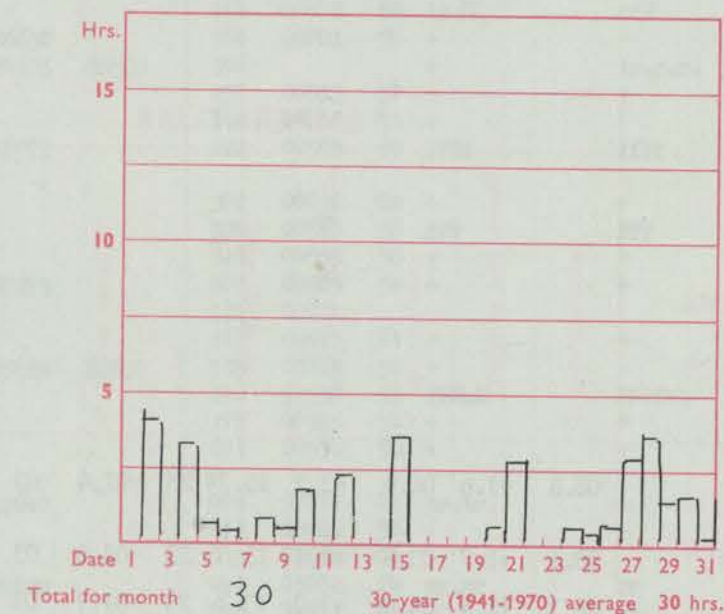
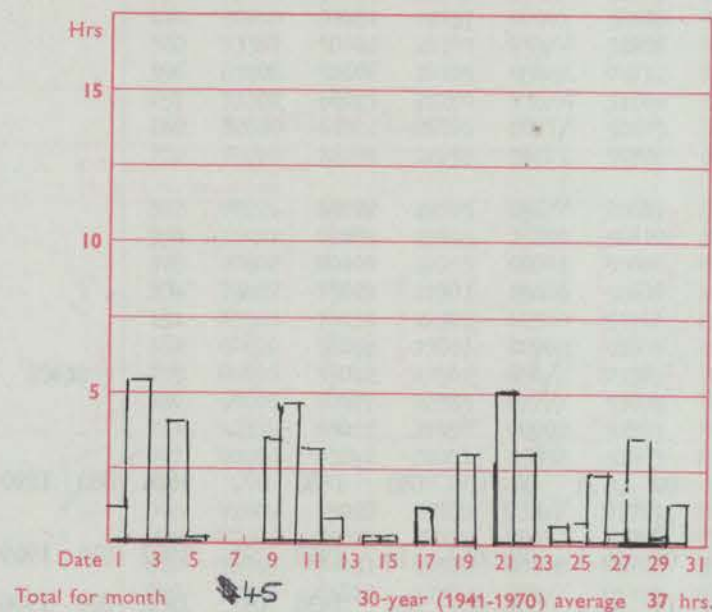
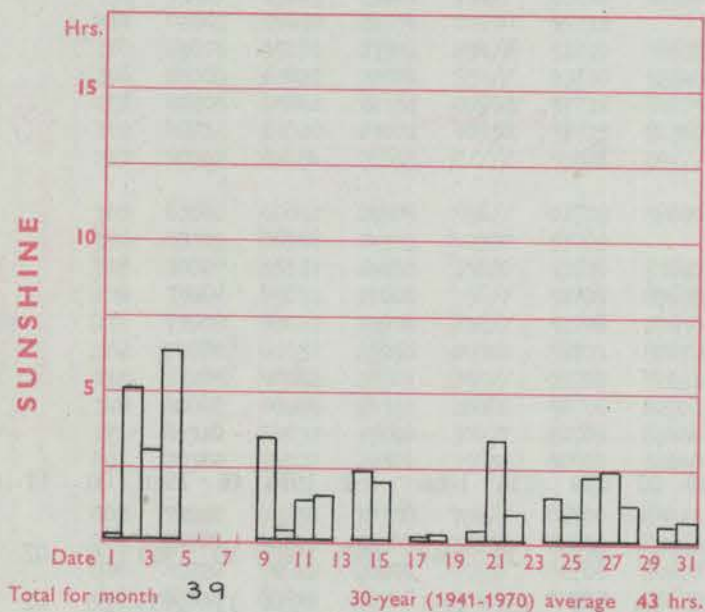
MANCHESTER (Ringway)



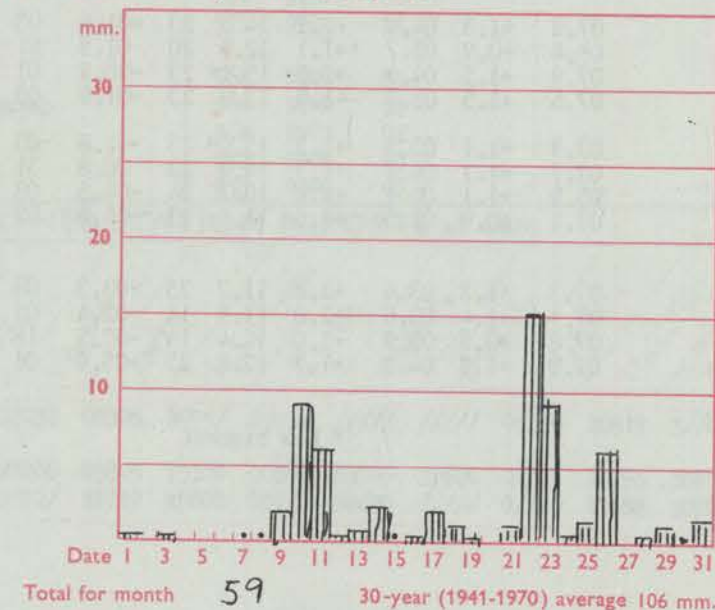
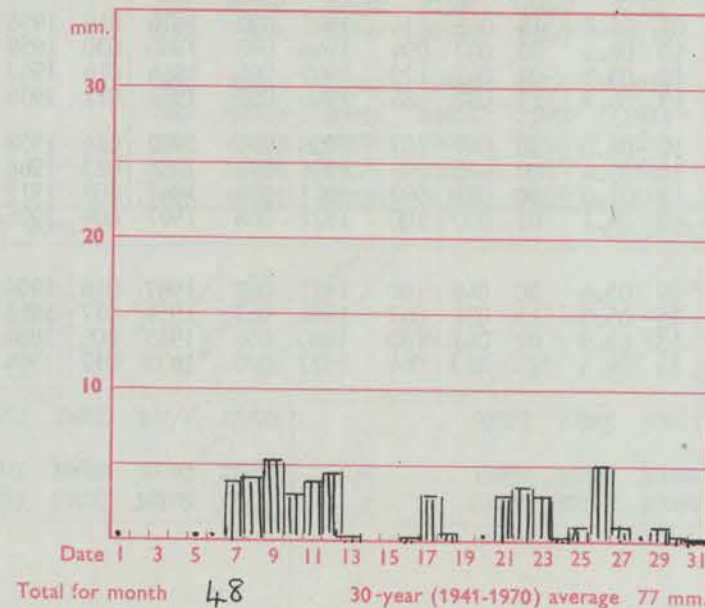
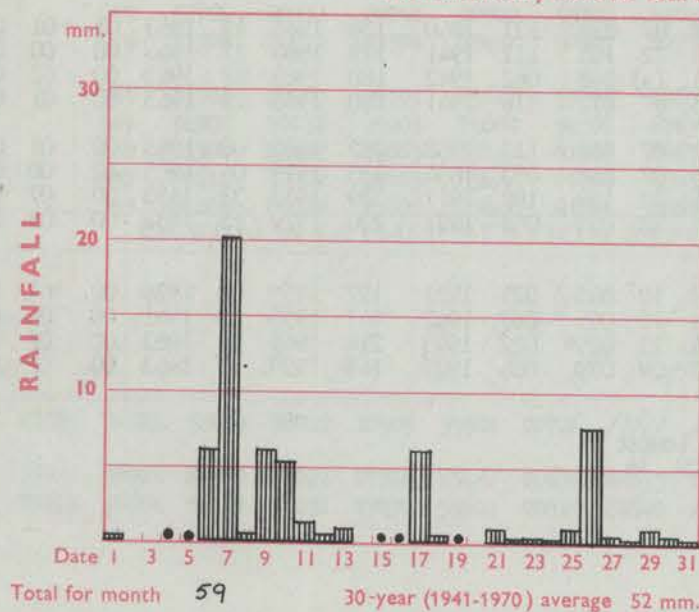
GLASGOW (Abbotsinch)



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



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 "•"



DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

No. 42378

Date of Issue THURSDAY 1 DECEMBER 1977

OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY					
30 November 1977										30 November 1977															
Station	ill	Nddff	VVwwVV	PPPTT	N _h Ch _M Ch	T _d T _d app	θN _s Ch _s h _s	θN _s Ch _s h _s	θN _s Ch _s h _s	ill	Nddff	VVwwVV	PPPTT	N _h Ch _M Ch	T _d T _d app	θN _s Ch _s h _s	θN _s Ch _s h _s	θN _s Ch _s h _s	ill	ART	T _d	SS	WEATHER		
																								09h.—15h.	15h.—21h.
Boscombe Down	746	73506	30051	18903	6563/	02708	82630	86656		746	80310	40052	17803	853//	02802	82706	86707	88635	746	91041	016	+			r.
Hurn	862	60210	40051	18503	656//	01708	82645	86656		862	80308	25052	17704	863//	03302	88707			862	00051	020	+			+
Manston	797	73508	72038	17807	783//	05805	82707	84813	85650	797	80203	60602	17607	853//	05102	82707	88620		797	94081	012	+			r.rir.
Gatwick	776	80105	25615	18204	854//	03806	81710	83625	88640	776	80302	12106	17604	862//	03101	88703			776	91051	000	d.r.r.			+
Kew	775	80306	24051	18603	863//	02808	88708			775	80304	40606	18105	873//	04302	88709			775	02061	000	r.			r.rR
Heathrow	772	70407	23051	19204	762//	03805	86705	87710		772	80406	30586	18605	873//	05202	88706			772	02061	000	d.r.			r.d.r.rR
Honington	586	80906	16604	18605	854//	05807	83615	88645		586	23508	32106	19003	25600	03205	82645			586	02061	000	ir.r.rR			f
Wattisham	590	83508	10286	18304	850//	04707	82701	86620	88650	590	70109	35106	18605	752//	04205	82705	83610	87645	590	02051	000	d.r.fr			rif
Gorleston	497	60210	64016	18407	655//	05705	86620			497	63609	66022	18707	65500	06204	86625			497		000				
Aberporth	502	71006	70032	20905	5853/	51710	85825	85358		502	70606	65022	20104	756//	50601	87640			502	00060	023	+			+
Filton	628	70509	25052	20102	754//	51707	81710	87622		628	80509	20582	19203	854//	01501	83710	85618	88623	628	95031	005	+			d.r.d.r.d.d.
Rhoose	715	70408	56041	19703	754//	50809	82612	87634		715	73502	58041	18803	757//	00400	87650			715	97041	008	+			r.d.r.
Hartland Point	703	50615	66021	19204	52500	02811	85820			703	40528	64011	17905	48500	03706	83820			703	00050	049				
Mount Batten	827	13502	62050	18305	15500	01815	81620			827	10611	57050	16605	15630	01705	81640			827	00071	058	+			+
St. Mawgan	817	10709	65020	19304	15600	50711	81640			817	00710	58050	17402	00900	50704				817	00043	075	+			+
Scilly	804	80513	65031	18407	885//	02713	82820	88625		804	50613	70012	17005	52500	00302	85820			804	00071	029	+			+
Culdrose	809	10511	65050	18504	12501	51713	81820			809	10507	50050	17301	12501	50502	81820			809	00051	066	+			+
Guernsey	894	80409	65028	16906	7833/	04812	81708	86816	87645	894	70814	68028	15405	784//	01802	81710	83817	87640	894	02071	000	pr.ir.pr.h.			pr.ir.
Elmdon	534	73502	56041	20203	755//	00706	84620	86626		534	80107	30042	19604	863//	01201	88709			534	00051	021	+			+
Cardington	559	70108	30604	19504	754//	03807	81712	87640		559	80310	20216	19304	862//	04303	86703	88705		559	01051	000	ir.d.r.d.r.			d.r.r.r.r.f
Wittering	462	83411	56042	19903	884//	02806	81812	88640		462	83611	20042	20004	861//	03203	82702	88703		462	00051	000	+			f
Watnall	354	70108	40052	20604	7567/	00808	85640	87656		354	70208	30026	20603	755//	00303	85622	87650		354	97051	000	+			ir.
Shawbury	414	73603	07464	21101	755//	51809	83622	87650		414	73604	08444	20802	754//	00500	87617			414	00021	000				
Finningley	360	83206	22216	20803	854//	50804	88617			360	73307	30042	20903	756//	50104	87630			360	97031	000	d.r.			+
Spurn Point	396	83410	60026	19806	6547/	05704	84715	86620	88360	396	83608	66038	19807	885//	05203	82820	88630		396		000	ir.pr.			+
Leeming	257	80302	57042	21602	856//	00805	82630	88650		257	33102	40101	21900	35700	50205	83650			257	00033	000	+			+
Tynemouth	262	62708	61022	21503	25638	01606	82630	85358		262	73206	56052	21904	7097/	01304	87358			262	00051	003	+			+
Carlisle	222	70802	09424	21951	752//	51505	83703	87640		222	80902	09464	22350	861//	50206	88702			222	00503	000	iff			ffif
Valley	302	80000	70022	21405	856//	01808	88637			302	30707	56041	20603	15630	01002	81640	83365		302	00071	003	+			+
Ringway	334	72502	06464	21751	756//	51705	87645			334	80000	07424	21401	856//	51301	82630	88650		334	00013	000	ff			ff
Squires Gate	318	11202	20041	21501	15631	00704	81645			318	80000	35041	21301	856//	00305	82635	88650		318	00031	028	+			+
Ronaldsway	204	80202	68031	21503	857//	01804	88650			204	70107	62022	21403	756//	00302	87637			204	00051	000	+			+
Mull of Galloway	131	72405	80021	21805	4851/	51602	82820	83630	87460	131	70000	80022	21704	756//	00105	87635			131	00061	000				
Eskdalemuir	162	60000	68021	21950	10932	53804	81364	86072		162	70000	68022	22550	757//	51208	87650			162	00033	039	+			+
Prestwick	135	51402	50041	21803	00901	01604	85070			135	61202	40041	22251	15601	52207	81640	86070		135	00053	048	+			+
Abbotsinch	140	92302	00497	21952	9//	53703	89/00			140	92402	00777	22353	9//	53206	89//			140	97526	000	FFsh			FFsh
Leuchars	171	52308	60051	21103	10931	52000	81363	85075		171	72502	50042	21800	7097/	51207	87363			171	00043	052	+			+
Dyce	091	73402	45041	20602	60931	50805	86363	87070		091	70000	30042	21701	7093/	50208	87362			091	00043	034	+			+
Lerwick	005	52608	80022	17807	28431	05102	82812	85075		005															

12 h of
30 NOVEMBER 1977

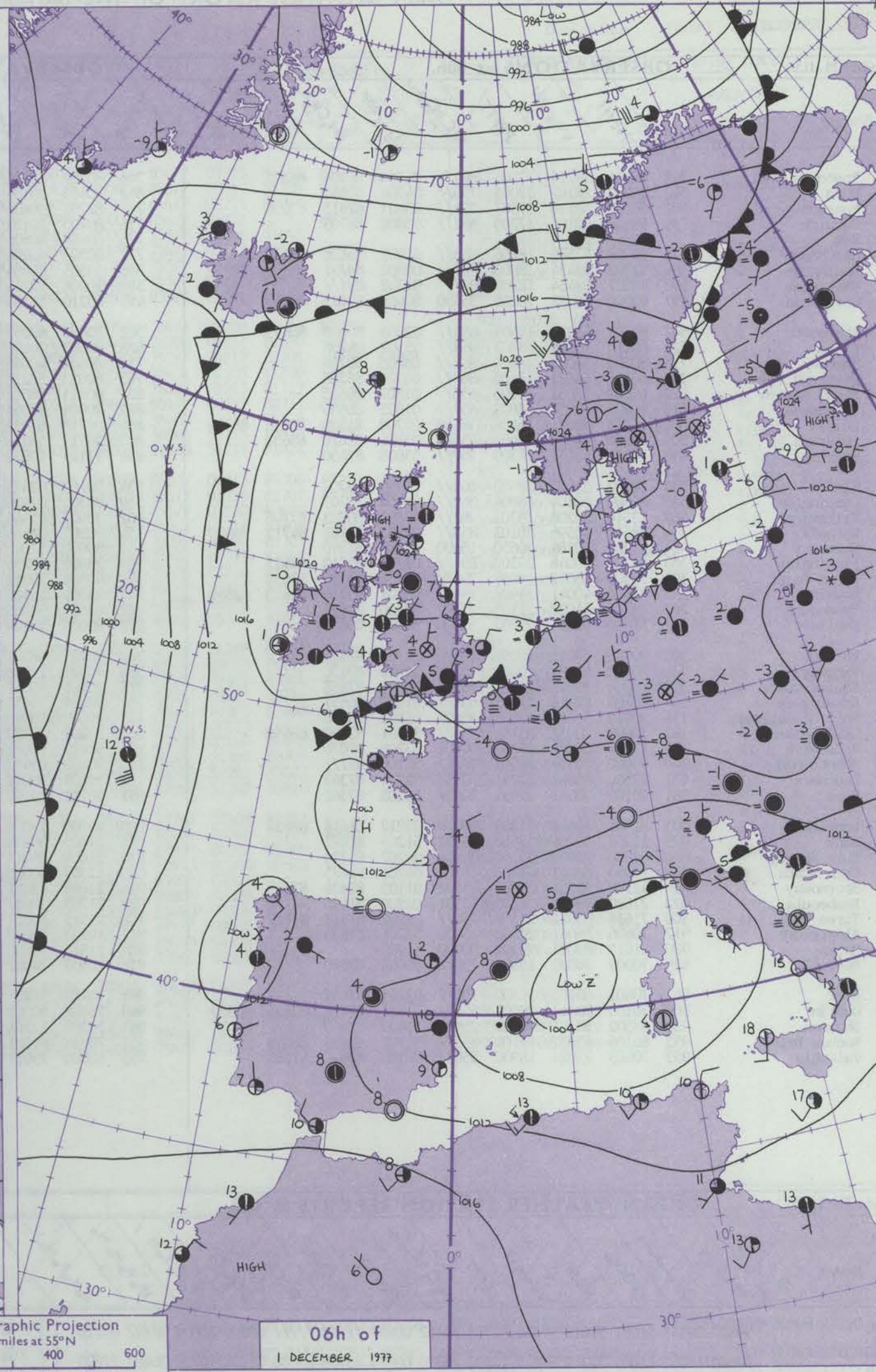
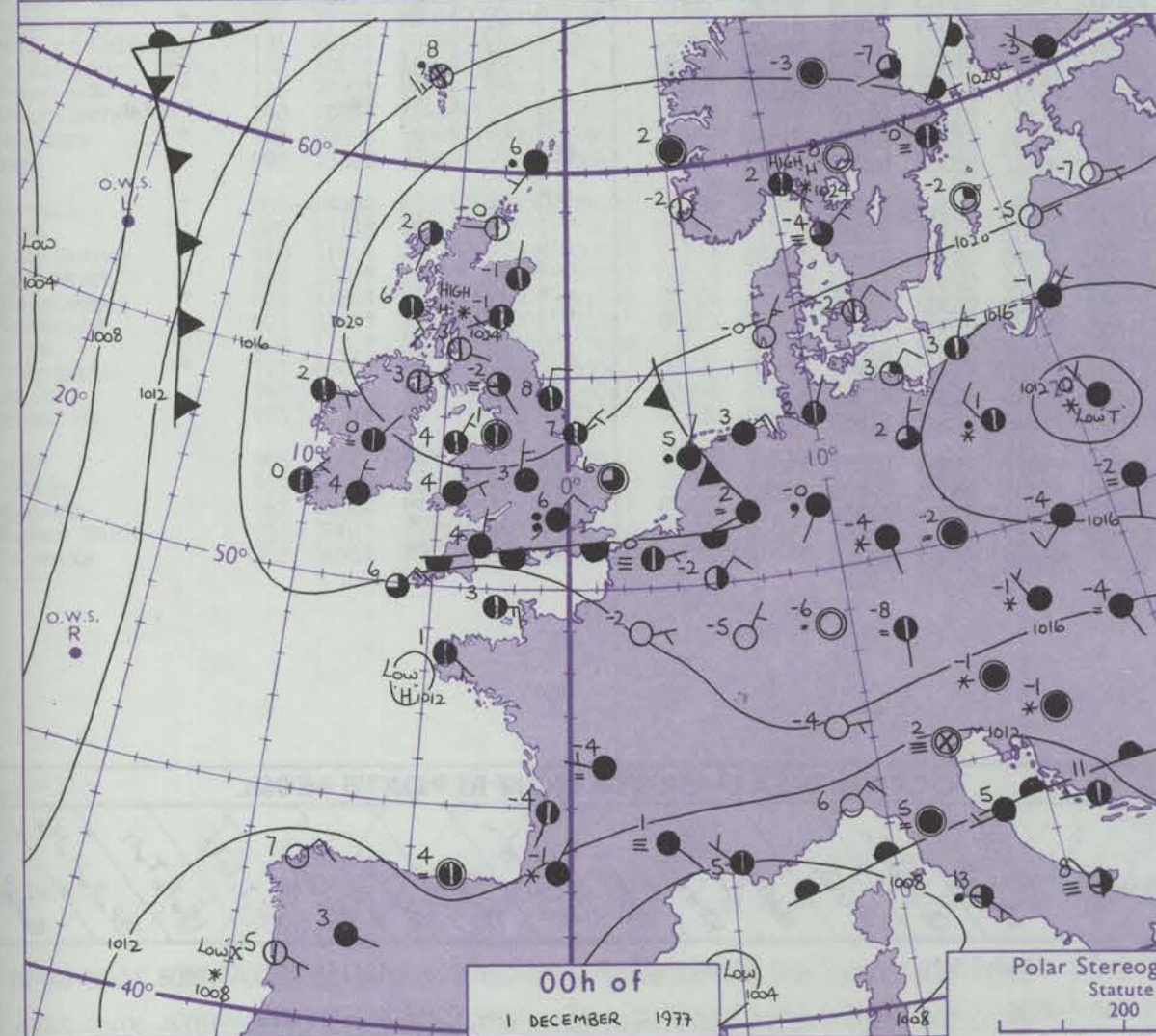
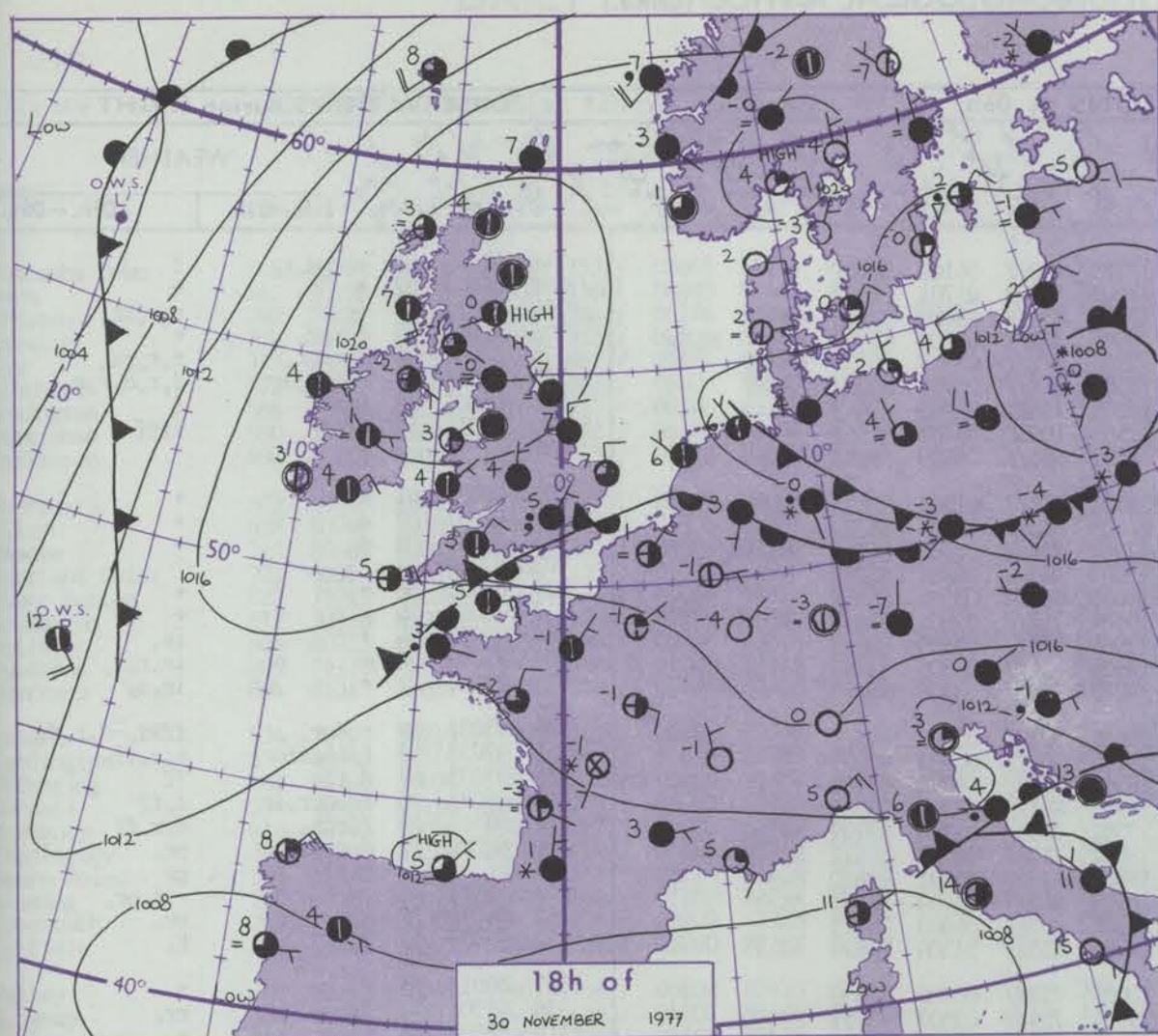
Polar Stereographic projection
Scale 1:30,000,000 at Latitude 60°N.

NAUTICAL MILES

0 100 200 300 400 500 1000 1500

12 h of
30 NOVEMBER 1977

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.

During the past 24 hours an anticyclone remained almost stationary over southern Scotland and a rise of pressure took place over southern Scandinavia. Weak troughs in the circulation of the high affected parts of southern England. A low over Spain filled steadily while in mid-Atlantic a depression deepened substantially and became slow-moving.

During the next 24 hours the deep low in mid-Atlantic is expected to drift slowly north and start to fill. The anticyclone over the British Isles will move slowly northeast and intensify a little, but pressure will fall over Scandinavia as troughs of low pressure move south across the Baltic.

Issued at midday THURSDAY 1 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h.									1 December 1977		OBSERVATIONS at 06h.									1 December 1977		OBSERVATIONS during NIGHT								
Station	ill	Nddff	VVwwwW	PPPTT	N _h Ch _M CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	Nddff	VVwwwW	PPPTT	N _h Ch _M CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	RRT _n T _n E	T _g T _g	WEATHER										
																						21h.—03h.	03h.—09h.									
Boscombe Down	746	80408	59216	17504	862//	04704	86704	88707		746	80707	45106	17105	860//	04102	88701			746	94041	03	r _o r _o d _o r _o	f									
Hurn	862	70407	28102	17005	756//	04704	87647			862	30405	30101	16501	15642	01701	81645			862	00011	52	+	+									
Manston	797	70000	56116	17503	754//	03601	82615	87656		797	82702	56601	17003	854//	03602	83615	88640		797	92021	51	ir _o	r _o r _o ir _o									
Gatwick	776	80607	40106	17205	862//	05802	88705			776	80703	20102	16905	862//	05000	82703	86704	88706	776	91051	03	d _o r _o r _o	+									
Kew										775	80404	40606	17105	872//	05703	85704	88706		775	02051	04	r _o rr _o r _o	r _o r _o rr _o									
Heathrow	772	80408	57586	18206	855//	05602	83626	88632		772	80307	40206	17705	862//	05702	86703	88705		772	02051	04	r _o d _o r _o dr	d _o r _o d _o r _o r									
Honington	586	92302	02434	18600	9/////	00802	89/01			586	13505	04464	18002	15600	02802	81645			586	92001	52	FFFF	f									
Wattisham	590	93507	02434	18202	9/////	02702	89///			590	10208	12284	17503	10930	03702	81362			590	92011	51	iffff	iffff									
Gorleston	497	60000	66032	18206	35530	05400	83625	86358		497	60210	58505	17707	655//	06400	86625			497													
Aberporth	502	80707	65021	19504	855//	02805	84620	88635		502	70807	62052	18404	756//	01507	82635	87656		502	00030	01	+	+									
Filton	628	80410	13106	18703	863//	03502	88708			628	80507	20102	17403	863//	03704	88707			628	97031	02	d _o	+									
Rhoose	715	80509	56046	18004	863//	03805	88708			715	80510	40042	17204	854//	02502	86710	88635		715	97031	02	d _o	+									
Hartland Point	703	80515	64021	17105	863//	04707	88708			703	80923	56216	15605	863//	04807	88709			703	97040	04											
Mount Batten	827	60509	57051	15705	656//	01807	86645			827	60611	58051	14605	657//	03502	86650			827	00031	00	+	+									
St. Mawgan	817	60806	50051	16803	657//	01602	86656			817	70909	50051	15104	757//	02602	87656			817	00021	54	+	+									
Scilly	804	60515	70021	15406	38550	02709	81820	83626	86360	804	80718	62021	13906	855//	03605	88623			804	92051	04	+	ir _o									
Culdrose	809	80610	50051	15603	855//	01806	82620	88650		809	70711	58216	13904	754//	02806	82713	83716	87625	809	95012	50	+	ir _o r _o r _o									
Guernsey	894	70916	65031	14303	757//	53608	87650			894	71114	60022	14203	756//	53306	87645			894	97021	01	+	ir _o s _o									
Elmdon	534	80107	32042	19503	863//	01704	88707			534	90105	02476	18604	9/////	03702	89///			534	93031	02	r _o d _o r _o	fffr _o -d _o r _o dr									
Cardington	559	80306	20104	18804	862//	04804	88705			559	80306	07426	18104	862//	04703	88703			559	97031	03	fffr _o ff	d _o r _o ff									
Wittering	462	73510	25206	19303	762//	03805	86703	87706		462	73607	05444	18504	760//	04704	87700			462	97031	03	d _o ff	ff									
Watnall	354	83610	20596	20103	853//	03605	83708	84712	88640	354	80307	08466	19204	861//	04703	88702			354	95031	01	ir _o d _o r _o dr	d _o ff									
Shawbury	414	13202	10284	20650	15600	51802	81640			414	80000	12046	19502	863//	01703	83709	88710		414	93511	56	fffr _o r _o	r _o r _o ff									
Finningley	360	83208	30046	20303	854//	01703	85710	88625		360	73406	30256	19602	755//	02701	82622	87645		360	92021	51	d _o r _o -r _o	pr _o									
Spurn Point	396	70505	66032	19407	754//	06101	83715	87630		396	40306	75011	18906	12570	05601	81820	84360		396			+	pr _o									
Leeming	257	73406	40041	21902	754//	00101	85710	86620	87650	257	83504	16106	20903	862//	03703	82704	88705		257	95011	51	+	ir _o pr _o									
Tynemouth	262	73311	61022	22105	755//	03400	87625			262	83517	56106	21306	855//	06603	88625			262	01051	02	rr	pr _o									
Carlisle	222	51602	01421	22352	55700	52602	85650			222	80000	35104	21850	855//	51504	85624	88635		222	93533	57	iffff	r _o									
Valley	302	70406	60041	20504	755//	03703	87627			302	70407	58041	19005	757//	03708	87650			302	00011	52	+	+									
Ringway	334	70102	10284	20902	757//	52806	87650			334	70302	25046	19704	754//	03603	81711	87650		334	91501	53	fffr _o	rr _o									
Squires Gate	318	70000	30042	21101	757//	00801	87656			318	70406	45047	20103	756//	02605	82630	87650		318	97001	53	r _o s _o	+									
Ronaldsway	204	60406	82011	21503	658//	01000	86657			204	70407	81031	20504	756//	01604	82635	87656		204	00001	54	+	+									
Mull of Galloway	131	30912	70011	22003	35600	01202	83630			131	40809	80011	21404	15630	02603	81635	84360		131	00031												
Eskdalemuir	162	70000	70031	23151	756//	53301	82640	86650		162	73302	70012	22602	755//	51500	82620	83635	86650	162	97533	57	+	r _o s _o									
Prestwick	135	11002	60041	23353	00901	53206	81070			135	60402	60041	22550	1573//	52705	81650	85362		135	00533	58	+	+									
Abbotsinch	140	90000	00497	23553	9/////	54106	89///			140	90402	03497	23453	9/////	53504	89///			140	97546	54	FFsh	FFffsh									
Leuchars	171	72506	56042	22751	7093//	52204	87363			171	32803	70011	23451	15430	53304	81618	83363		171	00523	57	+	+									
Dyce	091	70102	30041	22951	7093//	52205	87362			091	70202	35102	23751	763//	52204	81706	87713		091	00523	56	+	+									
Lerwick	005	82304	70616	21306	884//	05212	81818	88634		005	20000	75026	22803	15631	03310	81635			005	01023	52	ir _o r _o r _o	+									
Wick	075	12702	50284	22550	00901	51205	81075			075	21805	56054	23203	00902	02304	82075			075	97513	54	if	if									
Sule Skerry	010	52008	72031	22507	00906	04207	85270			010	31609	74011	22807	38500	04301	81820	83630		010	00041	01											
Cape Wrath	049	12303	82011	21805	15500	04206	81625			049	12303	80020	22504	15500	03203	81625			049	00031	52	+	+									
Stornoway	026	42102	66051	21602	15502	01105	81626	83075		026	11609	68051	22103	15600	03302	81630			026	00011	52	+	+									
Benbecula	022	21609	75031	21303	15501	02208	816																									

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

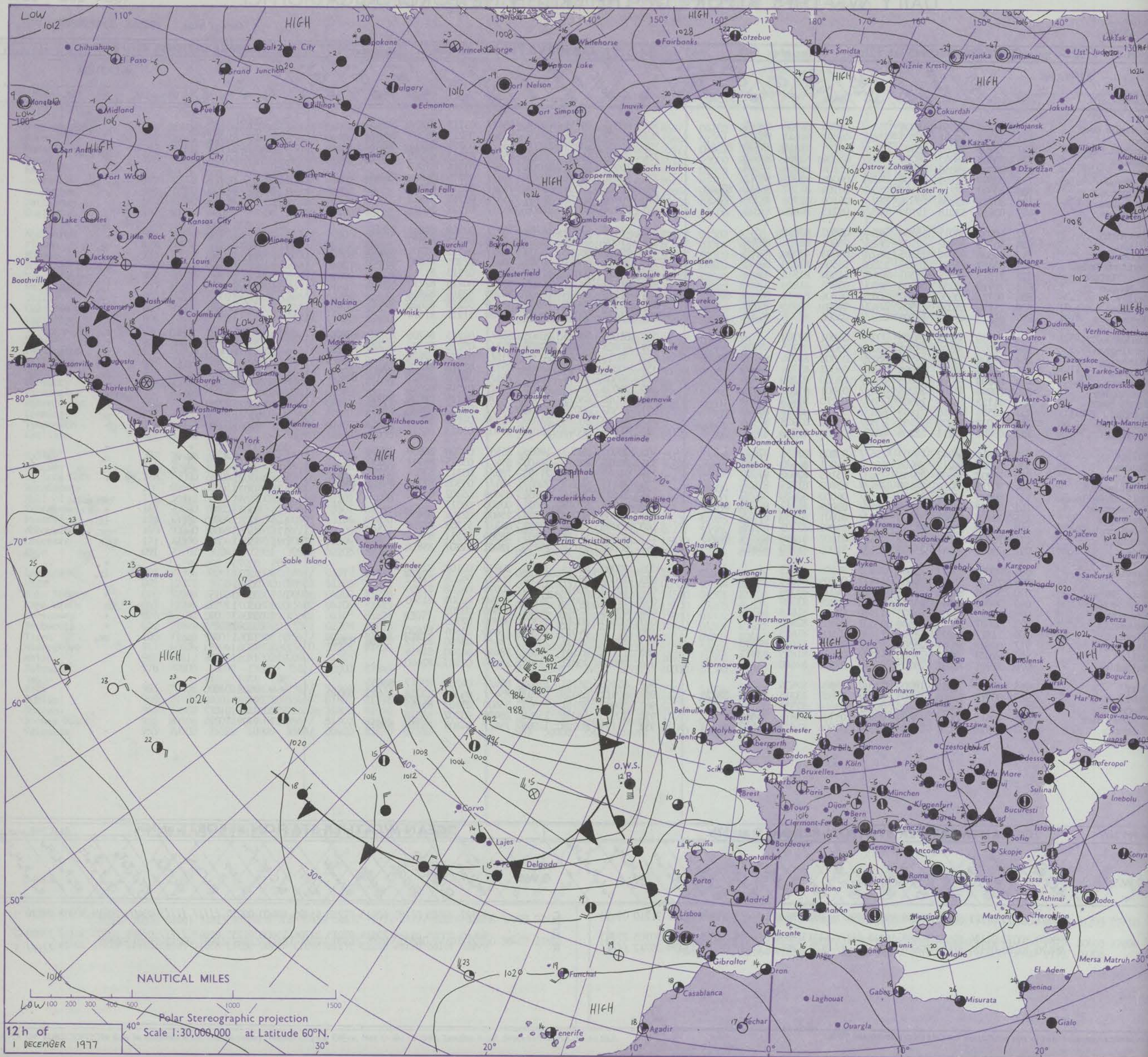
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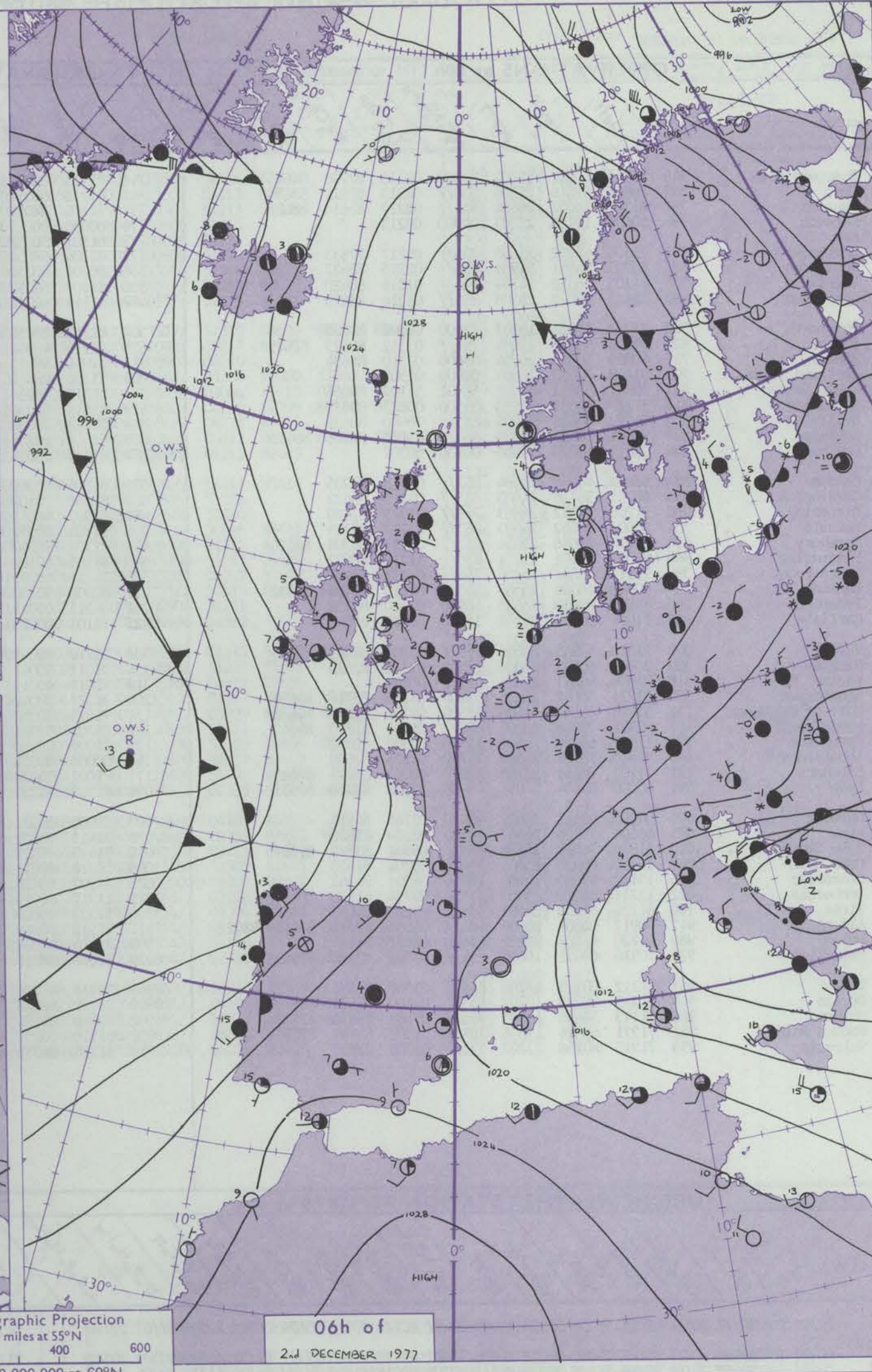
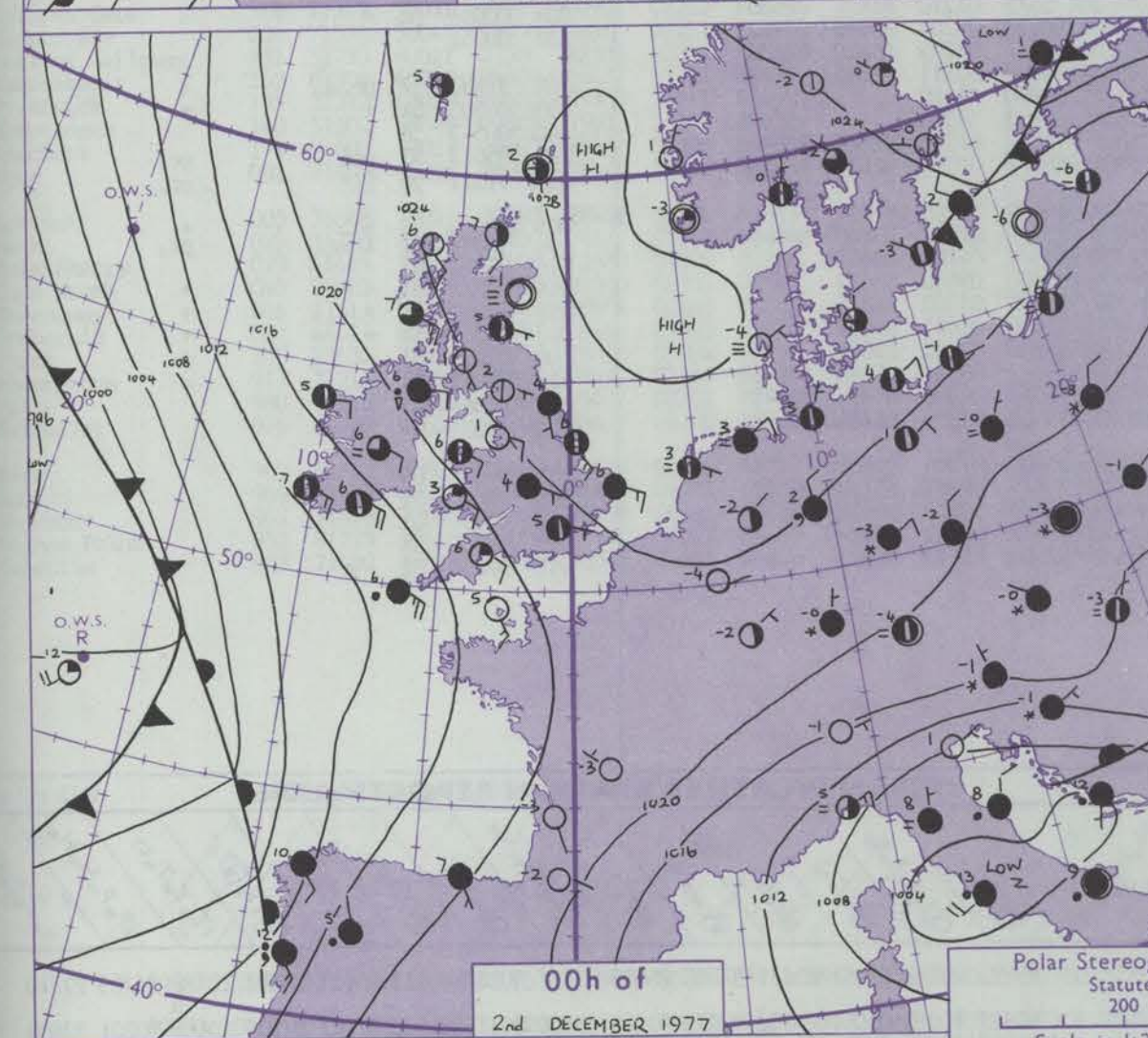
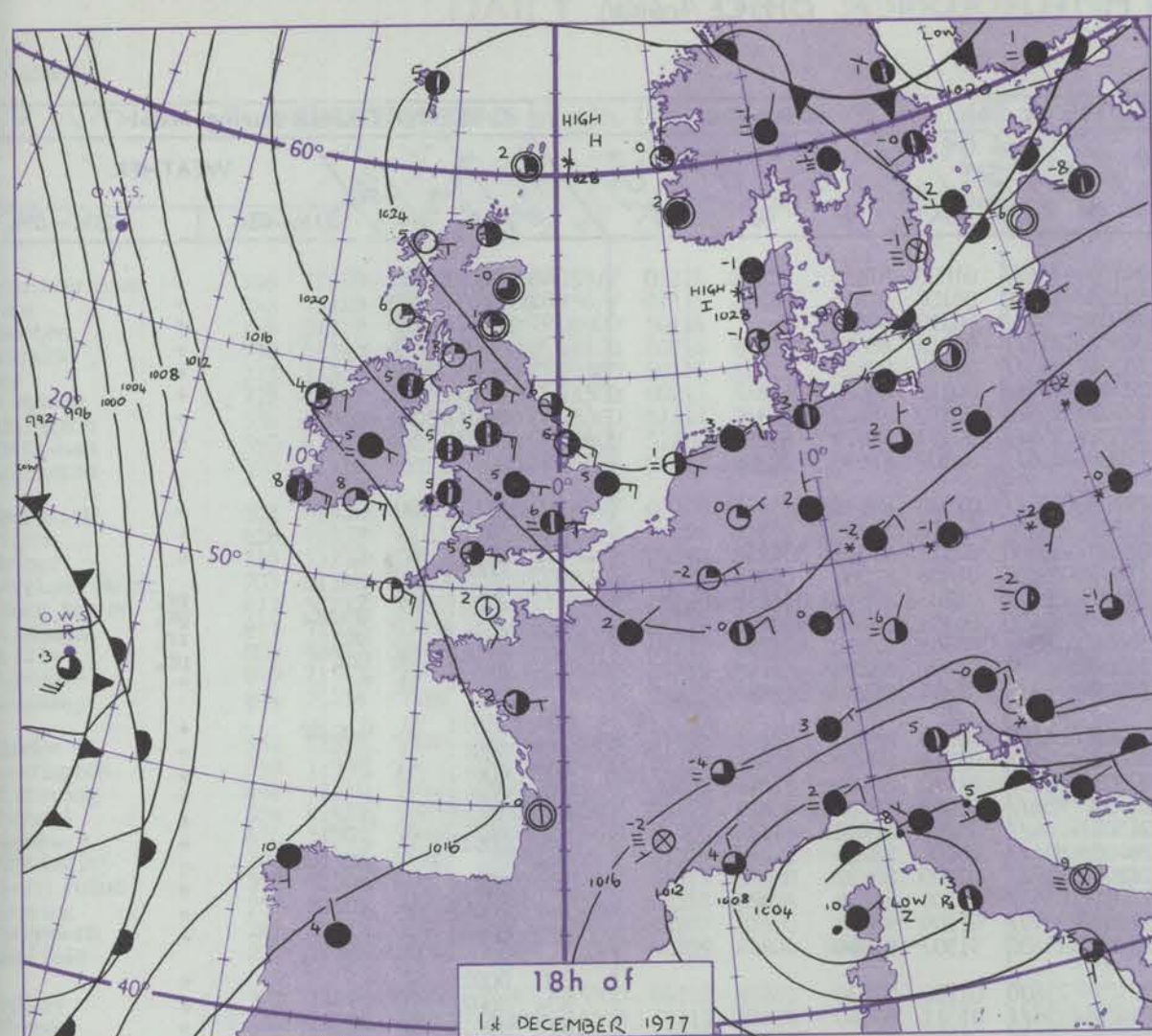
Code FM II.V		OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY				
		1 December 1977										1 December 1977														
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwW	PPPTT	N _h Ch _h CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT	T _e	SSS	WEATHER			
																							09h.—15h.	15h.—21h.		
Boscombe Down	746	70709	56054	17906	753//	05004	84706	87645		746	80807	56052	19404	854//	03213	81618	88645		746	00061	004	+	+			
Hurn	862	30706	56051	17707	15601	04003	81645	83075		862	81103	40635	19305	853//	05217	85709	88618		862	95071	021	+	d _o -d _o r _o rr _o			
Manston	797	73402	30286	18307	784//	06104	81818	83637	87650	797	81009	40058	21005	854//	03221	82711	88616		797	93071	002	ifpr _o	pr _o			
Gatwick	776	70602	56042	18006	753//	05004	82706	87640		776	80805	30591	20005	854//	05217	85710	88618		776	01071	001	+	d _o -r _o dr			
Kew	775	80000	25056	18306	862//	05104	86704	88708		775	70902	35112	20003	756//	03216	87645		775	91071	001	r _o	+				
Heathrow	772	80902	32105	18706	863//	06002	83707	88712		772	70905	32101	20406	754//	05215	81612	87645		772	97071	000	d _o d _o	+			
Honington	586	70608	58214	19107	753//	06104	84707	86614	87640	586	70507	50058	21704	755//	03218	87628		586	96071	000	r _o pr _o	+				
Wattisham	590	80708	42804	18606	882//	05106	82704	83708	85620	590	70910	56058	21205	755//	02217	87622		590	02061	000	ffpr _o pr	+				
Gorleston	497	60619	62018	19707	685//	04213	84620	85830		497	80914	58022	22605	855//	01221	88625		497		027						
Aberporth	502	40608	68011	18706	38540	03802	83820			502	71412	57601	18705	754//	03208	82615	87650		502	97070	031	+	ir _o			
Filton	628	80709	30102	18405	862//	05001	86704	88706		628	21009	40046	19405	25700	04111	82650		628	97061	000	d _o r _o	+				
Rhoose	715	80508	40042	18105	862//	03003	83704	88705		715	70608	38042	18705	752//	04212	82704	83620	87648	715	97051	000	+	id _o			
Hartland Point	703	60817	62031	16506	12531	03500	81820	86075		703	30913	80011	16505	38631	02205	81830	83645		703	00070	032					
Mount Batten	827	71015	70028	15507	4843//	01004	81818	83656		827	71511	60052	17305	754//	02213	81712	87632		827	97071	007	pr _o	+			
St. Mawgan	817	70910	65051	14906	5853//	03806	81820	84656		817	81611	60212	16604	854//	00215	82712	88620		817	97061	013	+	r _o			
Scilly	804	80723	60606	13507	6842//	04806	83816	86623	88458	804	31213	81016	14404	38400	52211	82816		804	02071	000	pr _o ir _o	ir _o				
Culdrose	809	71116	64026	13906	4842//	01001	83815	86459		809	51307	58058	16202	58500	52215	82820	84630		809	02071	000	r _o r _o pr _o r _o r _o	rrpr _o			
Guernsey	894	81313	42057	16502	863//	00006	82706	86708		894	11410	50057	18602	11400	51211	81814		894	97041	001	is _o	+				
Elmdon	534	70705	30215	19205	772//	04001	87703			534	81006	58605	20305	853//	04215	84706	85710	87624	534	02061	001	ffd _o r _o -r _o r	r _o rKid _o -r _o r			
Cardington	559	80502	18104	18905	862//	05000	85705	88708		559	80808	25606	20805	853//	05216	82707	84709	88622	559	96061	000	ffr _o	r _o r _o ir _o			
Wittering	462	80308	56034	19506	852//	05000	83704	86705	88625	462	70710	59012	22005	755//	03220	87620		462	00071	000	+	+				
Watnall	354	70405	40106	20006	752//	05002	85704	87625		354	80809	50056	21804	853//	03218	82708	88616		354	01061	002	r _o r	r _o R			
Shawbury	414	80103	18046	19805	863//	03000	82706	88708		414	70504	14106	20205	753//	04308	81707	83709	87650	414	97061	000	r _o d _o r _o ff	ir _o			
Finningley	360	70205	35108	20205	784//	05001	81812	87626		360	70903	62028	22602	756//	01219	87645		360	96063	003	pr _o pr _o	+				
Spurn Point	396	61122	65258	20507	3557//	03210	83620	86360		396	41016	68011	22605	28570	02214	81820	84360		396			pr _o pr _o	+			
Leeming	257	63505	48018	21605	684//	05103	82817	86640		257	71507	70028	23405	754//	03312	83618	87650		257	97071	002	pr _o	r _o			
Tynemouth	262	71010	80028	22408	3357//	05209	83928	87358		262	41020	80028	23706	43500	04109	84925		262	01081	018	pr	pr				
Carlisle	222	63402	57212	22204	6843//	03000	81712	83632		222	41005	56048	22704	28401	03313	81815	83075		222	91061	002	r _o pr _o	+			
Valley	302	70612	56042	19907	756//	05000	82635	87650		302	70907	28042	19605	6563//	04208	86639	83359		302	00081	007	+	+			
Ringway	334	70702	40212	20406	6563//	04001	84630	86650		334	80815	62216	21406	854//	03015	86711	88650		334	97071	011	r _o	r _o			
Squires Gate	318	70707	50608	20706	7563//	05105	82630	87640		318	71013	58048	21105	785//	03311	83824	87650		318	92071	001	rr _o r _o pr _o	+			
Ronaldsway	204	70712	60016	20608	784//	05803	81715	85656		204	71117	64032	20607	784//	05305	82714	84818	86637	204	97081	002	r _o	+			
Mull of Galloway	131	80922	70586	21406	3552//	04000	83620	88459		131	31023	74016	20706	35600	05302	83630		131	97071							
Eskdalemuir	162	70210	60607	22805	754//	03003	81713	86620	87640	162	00306	62018	23601	00900	00313				162	01053	000	ir _o pr _o	pr _o pr _o s _o			
Prestwick	135	70903	59041	23403	756//	01001	81630	87645		135	20808	50041	22703	25600	02104	81630			135	00053	007	+	+			
Abbotsinch	140	70000	08447	24251	752//	51009	82703	87626		140	80000	11106	23501	863//	51303	88706			140	92033	000	ffir _o	ifir _o			

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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.

During the past 24 hours, an anticyclone over east Scotland has drifted slowly east into the central North Sea. Atlantic troughs moved slowly towards southwest England leading to a gradual increase in the southeasterly flow over the British Isles. During the

next 24 hours a southeasterly flow will be maintained with the anticyclone intensifying and moving north to become centred off the coast of central Norway. Frontal troughs will continue to make slow progress into southwest England.

Issued at midday FRIDAY 2 DECEMBER 1977

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

Code FM II.V OBSERVATIONS at 00h. 2 December 1977										OBSERVATIONS at 06h. 2 December 1977										OBSERVATIONS during NIGHT					
Station	iii	Nddff	VVwww	PPPTT	N _h C _L h _C h _H	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwww	PPPTT	N _h C _L h _C h _H	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT _n T _n E	T _g T _g	WEATHER			
																						21h.—03h.	03h.—09h.		
Boscombe Down	746	50913	40052	22104	55300	03215	82708	84645		746	71113	50051	24103	756//	01008	87635			746	00021	00	+	+		
Hurn	862	80908	57016	21806	855//	04215	82621	88636		862	41212	66011	23705	48400	03106	81815	84625		862	01051	03	r _o d _o r	+		
Manston	797	81305	56052	24404	854//	02217	85614	88622		797	71109	58022	26603	754//	50210	87617			797	00021	01	+	+		
Gatwick	776	00606	12106	23203	00900	03215				776	80906	50041	26003	855//	00212	88620			776	93011	53	r _o	+		
Kew										775	81505	50052	26204	855//	00214	88622			775	97031	51	r _o	+		
Heathrow	772	71106	45052	23605	756//	04217	87635			772	81306	57051	26504	855//	00212	88620			772	00031	50	+	+		
Honington	586	80703	34051	24903	855//	02215	88627			586	80906	40052	27103	855//	01310	88622			586	00011	51	+	+		
Wattisham	590	81105	56052	24704	855//	01216	88620			590	81109	58052	26604	854//	50307	88619			590	00031	50	+	+		
Gorleston	497	81115	58022	25506	855//	01216	88625			497	81114	62022	27706	856//	01209	88630			497						
Aberporth	502	21308	50056	19803	25600	01302	82630			502	61313	50051	20205	654//	02500	86612			502	00020	00	+	+		
Filton	628	70906	45051	21904	755//	03312	82625	87645		628	11216	45051	23803	15300	01210	81708			628	97021	51	+	+		
Rhoose	715	40809	50045	20704	45600	03310	84634			715	31014	59011	22705	35400	03311	81616	83626		715	97031	00	d _o	+		
Hartland Point	703	01418	72020	18602	00900	01303				703	21326	70011	17605	20930	01808	82360			703	00020	50				
Mount Batten	827	50907	58051	19002	55701	51107	85656			827	81216	60258	19407	884//	05305	83616	83825	88636	827	97011	52	+	pr _o		
St. Mawgan	817	31110	62031	17803	35500	00103	83625			817	61617	62256	17207	68400	06301	83711	83814		817	91011	53	ir _o pr _o	pr _o		
Scilly	804	81223	60626	14906	855//	06400	88625			804	71423	71038	14609	785//	08502	81820	87625		804	01042		ir	ir _o		
Culdrose	809	81615	58608	16905	854//	03001	82616	88620		809	61612	62258	16807	68400	05301	85816			809	01031	01	ir _o	pr _o		
Guernsey	894	01413	63020	19805	00900	50302				894	71318	56051	22404	763//	02314	83706	86708		894	00031	51	+	+		
Elmdon	534	81107	45046	23104	862//	03213	88705			534	51206	35046	25702	55600	01213	85640			534	94011	51	d _o r _o dr	+		
Cardington	559	60707	35106	24003	655//	03217	86622			559	81306	30102	26603	855//	03314	88629			559	00011	51	+	+		
Wittering	462	71206	56042	24803	755//	01315	87620			462	81307	40042	27003	855//	01210	88626			462	00011	00	+	+		
Watnall	354	80907	30052	24803	863//	01213	88709			354	81105	30052	26702	856//	01209	88633			354	00011	50	+	+		
Shawbury	414	81010	25046	22604	853//	03211	86708	88620		414	71308	32042	24505	764//	03209	87711			414	97021	51	d _o r _o	+		
Finningley	360	81002	57101	25201	855//	51214	88622			360	81105	50102	26401	855//	00104	88624			360	00511	57	+	+		
Spurn Point	396	71513	75031	25306	756//	01213	87640			396	81216	66032	27206	856//	02209	88632			396			+	+		
Leeming	257	80902	66026	25503	855//	02110	82620	88632		257	80000	50102	27201	855//	01106	88626			257	97011	51	+	+		
Tynemouth	262	41812	80020	25605	40930	02210	84358			262	81911	69021	27305	8092//	01209	88458			262	00041	02	+	+		
Carlisle	222	11006	60011	24102	15600	01207	81645			222	11104	60020	25701	15600	51307	81640			222	00503	58	+	+		
Valley	302	71310	57041	20606	755//	03305	82625	87650		302	20710	62041	21905	25600	01206	82630			302	00021	51	+	+		
Ringway	334	20809	60031	24004	25500	01112	82620			334	71012	50041	25804	756//	01311	87640			334	00021	51	+	+		
Squires Gate	318	01008	60011	23001	00900	00209				318	71011	60011	24803	755//	01210	81620	87630		318	00011	52	+	+		
Ronaldsway	204	51221	58042	21606	55400	03106	82714	85650		204	71223	50042	22806	6643//	04206	83710	85712		204	00051	04	+	+		
Mull of Galloway	131	51423	80011	21406	58500	02201	81820	84635		131	71525	80032	22306	785//	03205	83820	87630		131	00051					
Eskdalemuir	162	60707	70018	25002	685//	01303	81820	85645		162	13202	58021	26951	15600	52211	81635			162	97533	57	pr _o s _o	+		
Prestwick	135	11407	65020	24001	15700	00303	81650			135	01007	65020	24701	00900	51110			135	00503	54	+	+			
Abbotsinch	140	21005	18101	24502	25700	01203	82650			140	00000	30051	25652	00900	53310			140	00543	58	+	+			
Leuchars	171	71107	70251	25205	785//	00001	82825	87645		171	71002	75028	26802	785//	01210	82820	87640		171	95013	53	pr _o	pr _o		
Dyce	091	40000	03484	27051	48400	52003	82818	83635		091	81507	75254	27404	884//	00207	82818	88635		091	91521	56	Fff	pr _o		
Lerwick	005	50000	60111	28002	48430	02105	84814			005	10000	70021	28902	18400	02205	81814			005	00013	54	+	+		
Wick	075	41608	75026	26907	48500	03204	83820			075	71412	75801	27507	785//	02102	83820	86640		075	92061	01	ir _o	pr _o		
Sule Skerry	010	61414	74031	26708	685//	06301	83820	86625		010	81419	78021	27307	855//	04101	88625			010	00051	04	+	+		
Cape Wrath	049	11406	80020	25705	15600	03204	81630			049	50911	82031	26005	55600	03400	85630			049	00031	01	+	+		
Stornoway	026	11412	82020	24406	10940	04301	81362			026	11207	88030	24504	11440	03500	81815			0						

Code FM 21.V	OCEAN WEATHER STATION REPORTS at 00h.													OCEAN WEATHER STATION REPORTS at 06h.																
O.W.S.	99 L _a L _a L _a	Q _c L _o L _o L _o L _o	YYGGI _w	Nddff	VVwwwW	PPPTT	N _h C _L h _C h _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	IT _w T _w T _w T _w T _w T _w	3P _w P _w H _w H _w H _w	d _w d _w P _w H _w H _w H _w	O.W.S.	99 L _a L _a L _a	Q _c L _o L _o L _o L _o	YYGGI _w	Nddff	VVwwwW	PPPTT	N _h C _L h _C h _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	IT _w T _w T _w T _w T _w T _w	3P _w P _w H _w H _w H _w	d _w d _w P _w H _w H _w H _w	
C M R	99527	70355	02001	82214	97258	69405	834//	00221	83916	85624	05504	10806	3//07	27/10		99527	70355	02061	82411	97808	75405	834//	00237	84915	84623	05503	10782	3//05	27/10	
	99660	10017	02004	23207	98020	26806	15602	00323	81640	//////	0//52	10680	30302	30502		99659	10018	02064	10103	98020	30105	15600	00315	81640	//////	0//01	10662	30201	32603	
	99468	70166	02004	22518	97020	00711	22500	00214	82820	//////	0//07	11378	30704	16908		99468	70168	02064	52418	9800/	03012	52600	002//	85830	//////	0//08	11376	30704	16906	

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

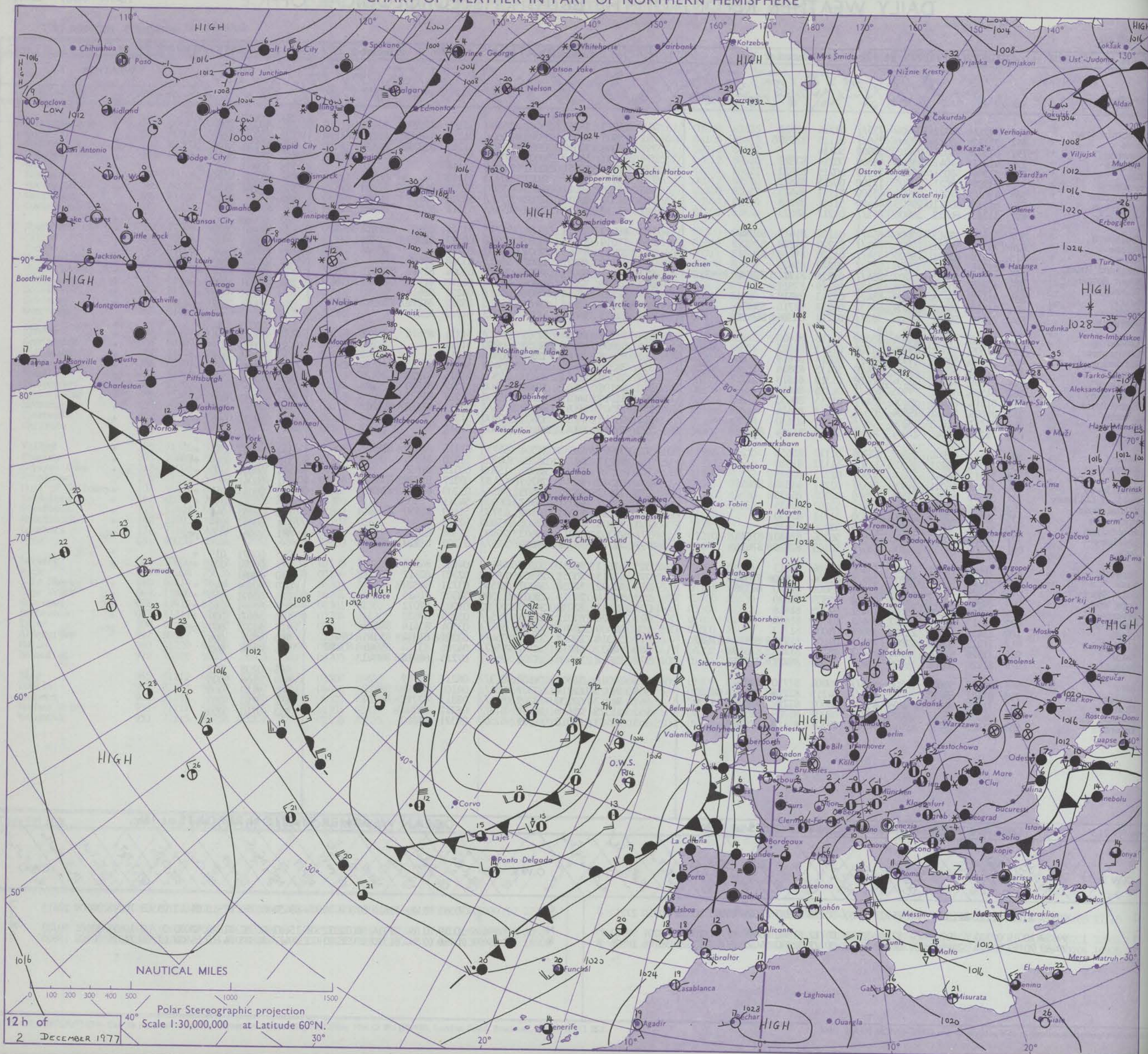
ISSN 0307-2541

No. 42380

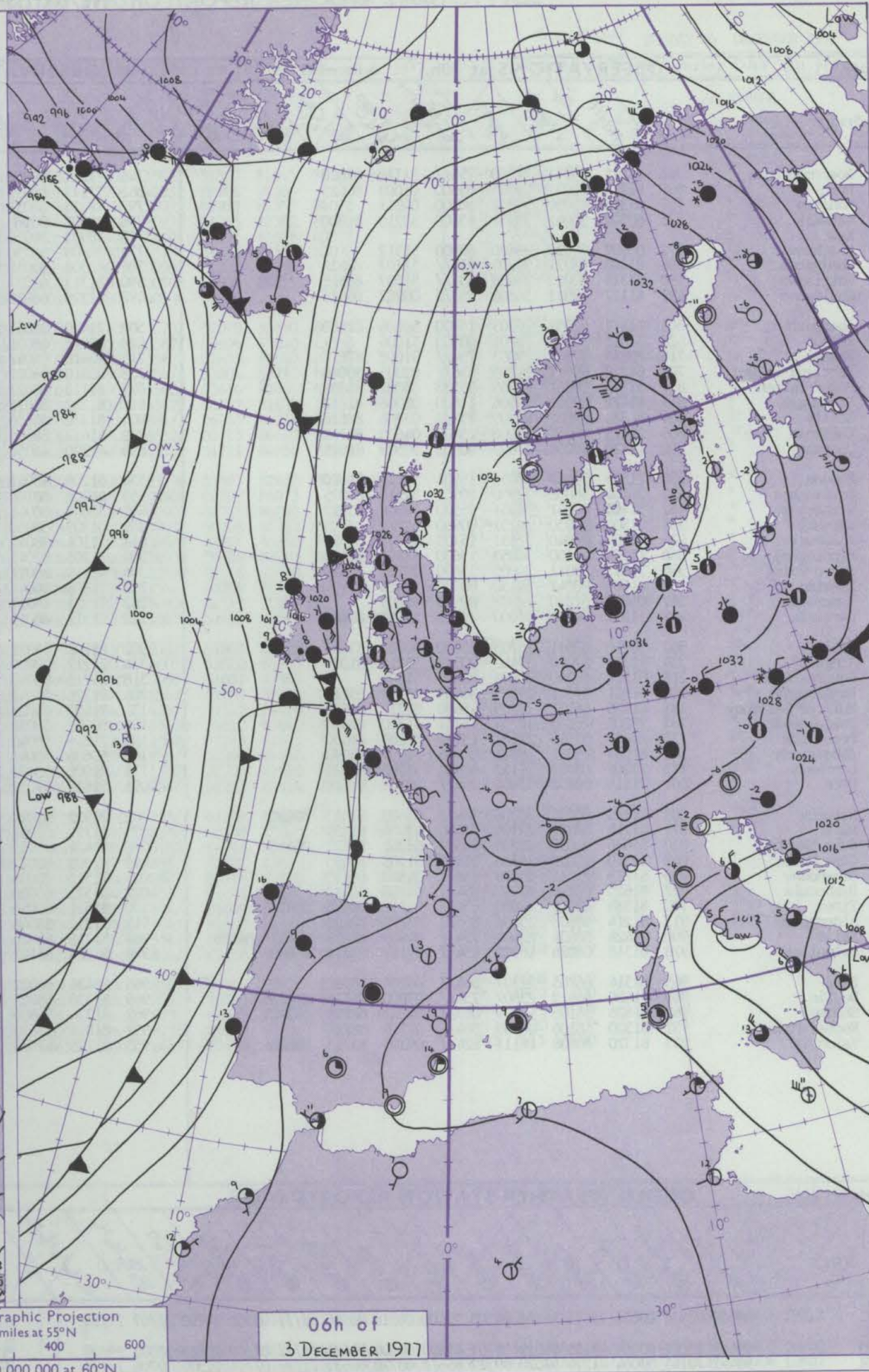
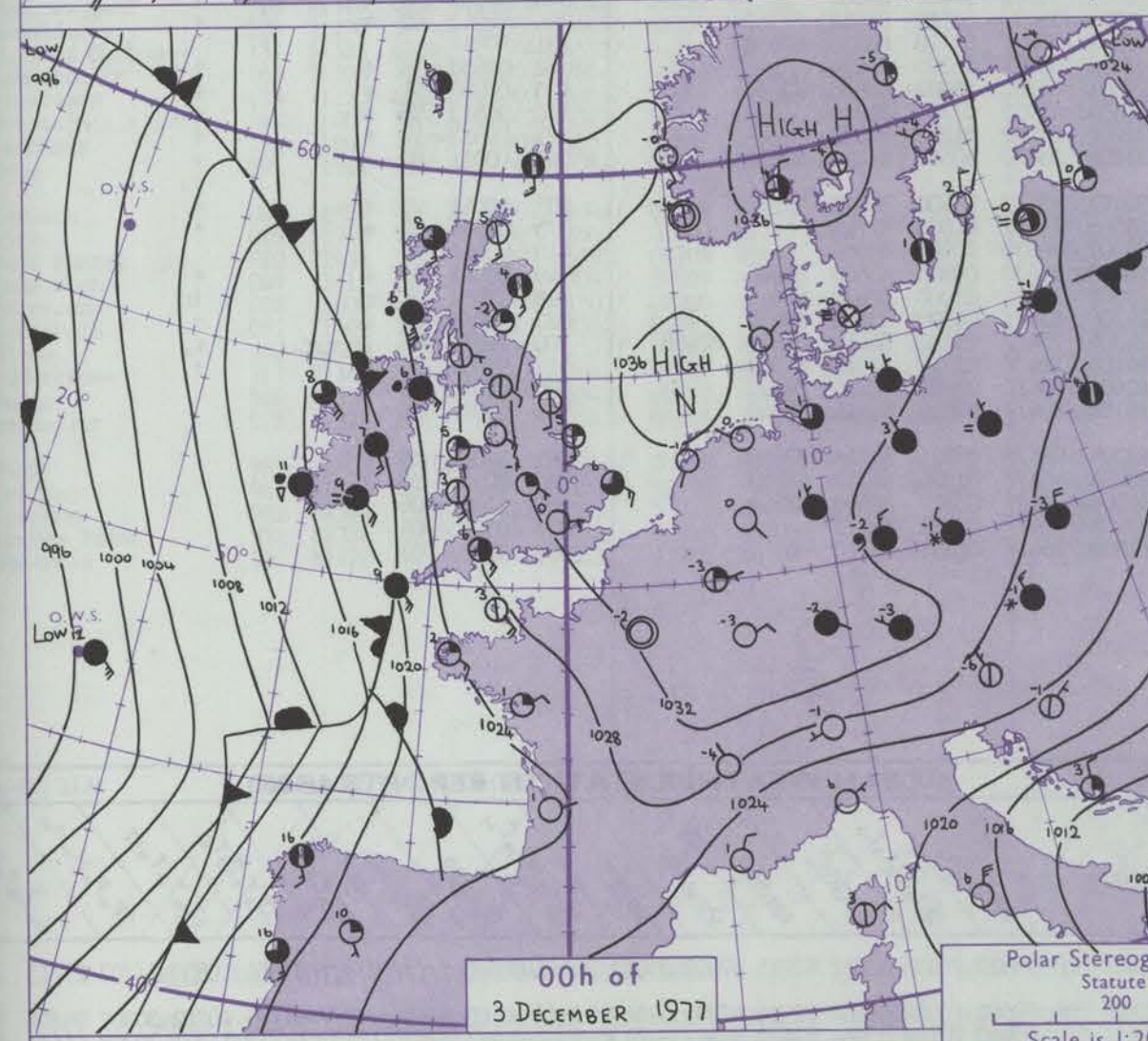
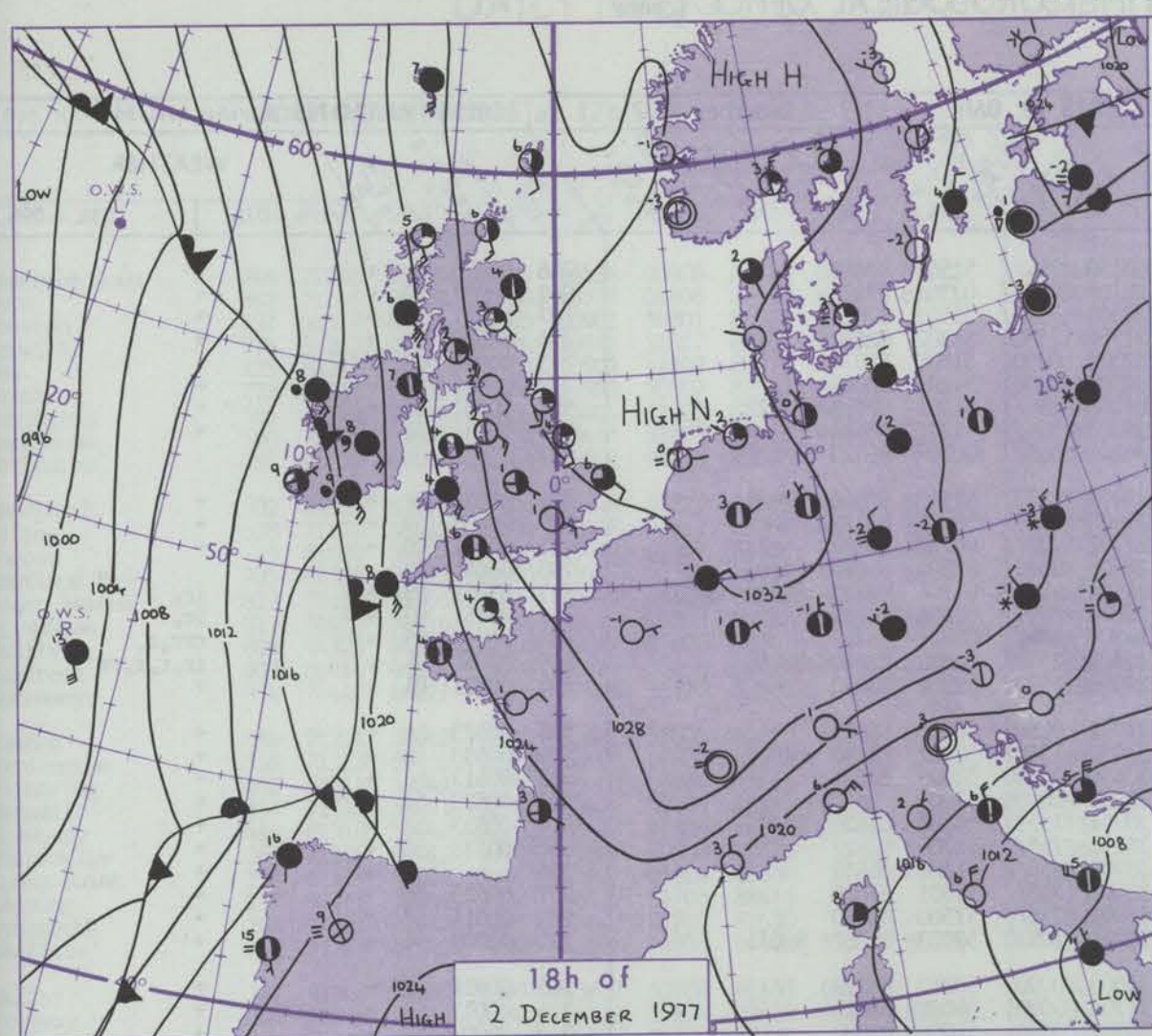
Date of Issue SATURDAY 3 DECEMBER 1977

42380	OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY									
Code FM II.V	2 December 1977										2 December 1977																			
Station	iii	Nddff	VVwww	PPPTT	N _h Ch _h CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwww	PPPTT	N _h Ch _h CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT x T _e	SSS	WEATHER								
																						09h.—15h.	15h.—21h.							
Boscombe Down	746	71216	70022	27404	755//	01216	87623			746	11013	58051	29401	15500	52314	81620				746	00053	007	+	+						
Hurn	862	71113	62011	27006	756//	01115	87630			862	20905	58050	29003	15601	01213	81630				862	00061	015	+	+						
Manston	797	01212	58011	29805	00900	50114				797	31008	59030	31903	35500	51213	83623				797	00051	065	+	+						
Gatwick	776	41311	57041	28505	48500	00214	83822			776	00807	50040	30801	00900	52215				776	00053	051	+	+							
Kew	775	21206	58051	28805	21500	50215	82822			775	01103	50051	30802	00900	51114				775	00051	050	+	+							
Heathrow	772	11207	58021	29205	11500	00215	81822			772	01010	56051	31001	00900	51112				772	00053	040	+	+							
Honington	586	41010	57051	29905	45500	51111	84623			586	41106	60011	32203	45500	51208	84622				586	00061	015	+	+						
Wattisham	590	41215	60011	29905	48400	51114	82818			590	81307	60031	32103	854//	50310	88618				590	00051	024	+	+						
Gorleston	497	81313	66022	30906	855//	01217	88625			497	61212	64012	32906	655//	51211	86625				497		000								
Aberporth	502	61524	64011	23506	654//	01108	81615	86656		502	81422	65021	25004	3577//	51315	83650	83358	88460	502	00060	010	+	+							
Filton	628	71320	59051	27205	784//	01220	81818	87625		628	11014	57051	29202	00901	00217	81075			628	00061	022	+	+							
Rhoose	715	71218	65021	26305	754//	01220	81710	87619		715	00811	57041	27603	00900	00210				715	00061	000	+	+							
Hartland Point	703	81318	64021	23206	855//	02229	88625			703	71120	66022	23906	5563//	03208	85640	87360		703	00060	000									
Mount Batten	827	81213	58052	23707	854//	05120	81712	83714	88635	827	51114	60052	24705	35438	03004	81712	83656		827	00071	000	+	+							
St. Mawgan	817	71522	60038	20808	7243//	06119	87811			817	71420	57052	22906	5837//	04210	81709	84810	87360	817	00091	014	+	+							
Scilly	804	81427	56636	17609	854//	07213	88618			804	81323	60216	20808	854//	04221	88616			804	02101	000	irrr	ir							
Culdrose	809	71517	56052	20409	5843//	06218	82710	83818		809	81312	56216	23107	6742//	05212	84710	83618	88457	809	97091	000	+	ir.							
Guernsey	894	71416	58052	25504	763//	02217	84706	86709		894	21313	56051	27004	00902	01212	82075			894	00041	002	+	+							
Elmdon	534	11310	59041	28404	15600	51116	81640			534	51106	59041	30501	554//	51211	85616			534	00043	036	+	+							
Cardington	559	11509	57051	29404	11500	01213	81825			559	00906	50050	31350	00900	51214				559	00053	048	+	+							
Wittering	462	71510	59042	29904	754//	00214	87619			462	01308	30041	32001	00900	51314				462	00053	007	+	+							
Watnall	354	41412	50051	29304	48400	50113	83814			354	31309	35041	31602	35400	50216	83615			354	00053	016	+	+							
Shawbury	414	51307	57041	28204	58400	01319	81818	85635		414	31308	50041	29803	35500	51315	83620			414	00051	037	+	+							
Finningley	360	61508	61012	29905	655//	01216	86621			360	41106	58041	31900	45500	51217	84620			360	00051	006	+	+							
Spurn Point	396	81514	64022	30206	856//	01215	88630			396	31610	64011	32204	35500	01212	83629			396			+	+							
Leeming	257	81609	57042	29804	855//	01212	88624			257	71505	50042	31803	755//	50313	83620	85626		257	00053	000	+	+							
Tynemouth	262	71717	61022	29206	756//	03107	87630			262	01818	56021	30803	00900	51211				262	00061	007	+	+							
Carlisle	222	71206	56041	27904	785//	50109	81824	87642		222	01410	50041	29102	00900	51312				222	00053	046	+	+							
Valley	302	11417	61040	24007	15700	01117	81656			302	70909	64031	25504	6573//	01115	81650	86656		302	00081	041	+	+							
Ringway	334	11316	58021	28305	11500	51112	81820			334	11211	58021	30202	00901	51210	81075			334	00053	055	+	+							
Squires Gate	318	11317	56041	27204	00901	02213	81075			318	11214	50040	28902	15700	00312	81656			318	00053	039	+	+							
Ronalds Way	204	71324	56041	24906	785//	02211	84820	87656		204	31324	56041	26705	15430	03317	81716	83360		204	00061	000	+	+							
Mull of Galloway	131	51733	60011	23506	52500	02205	85825			131	71633	60022	24505	785//	03209	83820	87630		131	00061										
Eskdalemuir	162	61308	65031	28303	656//	53107	86635			162	03402	40051	30352	00900	54311				162	00033	014	+	+							
Prestwick	135	31217	62020	26903	35700	51211	83650			135	31224	57040	27502	15730	51109	81650	83362		135	00041	051	+	+							
Abbotsinch	140	51107	56041	27303	55600	52106	85638			140	10608	45041	28401	15600	52213	81640			140	00053	040	+	+							
Leuchars	171	71403	72022	28605	756//	50206	82630	87635		171	21307	62011	29603	25600	51304	82630			171	00063	014	+	+							
Dyce	091	71409	65258	28806	785//	50105	82825	87635		091	71710	56058	29804	785//	01305	81820	86628		091	91061	000	pr.	pr.							
Lerwick	005	31608	75011	30007	38401	05104	83813			005	41611	80031	30206	48400	04102	84813			005	00071	019	+	+							
Wick	075	71715	82028	28707	785//	01206	81820	87640		075	41615	70051	28806	48400	02303	82812	83632		075	00071	002	+	+							
Sule Skerry	010	41424	74011	27408	12530	05001	81820	84358		010	41432	74020	26007	42500	03711	84820			010	00081										
Cape Wrath	049	20903	83011	26205	28500	02803	81820			049	10914	74010	25603	15500	53302	81625			049	00061	047	+	+							
Stornoway	026	11511	86020	25106	18401	02205	81818			026	21613	82030	24805	00902	01003	82072			026	00071	059	+	+							
Benbecula	022	41417	82030	23607	25442	03005	81618			022	71420</																			

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

During the past 24 hours an anticyclone over the North Sea drifted east towards Denmark and intensified. Troughs of low pressure moved north across the west of the British Isles. During the next 24 hours, the anticyclone near Denmark is expected to

continue drifting slowly east giving a strong south to southeasterly flow over the British Isles. Further frontal troughs will cross Ireland and western Britain.

Issued at midday 3-DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h.								3 December 1977		OBSERVATIONS at 06h.								3 December 1977		OBSERVATIONS during NIGHT							
Station	iii	Nddff	VVwwWW	PPPTT	N _h Ch _h CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwWW	PPPTT	N _h Ch _h CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT _n T _n E	T _g T _g	WEATHER							
																						21h.—03h.	03h.—09h.						
Boscombe Down	746	71011	45051	31100	755//	51110	87620			746	71011	30051	30150	754//	51505	87618			746	00523	53	+	+						
Hurn	862	61214	62031	29905	65500	01003	86625			862	71112	65031	29105	755//	02706	87625			862	00031	50	+	+						
Manston	797	01311	45050	34302	00900	00311				797	71214	58031	33503	754//	51505	87616			797	00011	51	+	+						
Gatwick	776	60502	35041	33351	65500	52210	86620			776	20808	20041	31952	25500	53302	82620			776	00533	58	+	+						
Kew										775	30905	50050	32300	00901	51500	83072			775	00523	58	+	+						
Heathrow	772	00907	60020	33600	00900	51312				772	20809	56050	32500	00901	51205	82075			772	00513	53	+	+						
Honington	586	81108	58021	34203	855//	51107	88624			586	81308	60032	34203	854//	51501	82618	88622		586	00031	01	+	+						
Wattisham	590	81311	70022	33903	854//	51007	88618			590	81313	65032	34003	854//	51301	88615			590	00031	01	+	+						
Gorleston	497	61117	62011	34806	655//	00207	86625			497	81220	66022	34204	855//	00707	88625			497				+						
Aberporth	502	11517	62051	26303	15700	50106	81656			502	71420	59051	25003	25732	51110	82656	87075		502	00020	01	+	+						
Filton	628	01015	58050	30201	00900	51006				628	60911	58051	29400	00902	52606	86072			628	00503	53	+	+						
Rhoose	715	70813	57041	29003	754//	01002	87617			715	70816	59041	27302	755//	00707	87622			715	00021	00	+	+						
Hartland Point	703	61228	64012	24205	656//	02005	86646			703	80810	66022	24005	4562/	02504	84641	88460		703	01041	02								
Mount Batten	827	51111	59051	26305	55530	03002	85627			827	81115	60021	24605	45577	03706	84625	86360	88275	827	97051	03	+	ir.						
St. Mawgan	817	11422	60051	23506	11400	03806	81812			817	81227	58021	20806	8097/	03606	88460			817	97051	03	+	ir.						
Scilly	804	81323	62022	21309	854//	03806	88616			804	81330	50636	17207	874//	05717	88710			804	06072	05	+	rrr.						
Culdrose	809	21213	59051	24006	25400	04605	81712			809	81417	58606	21407	2552/	04603	82620	88459		809	03052	04	+	rrr.						
Guernsey	894	11420	40050	27603	00902	50509	81075			894	41320	45050	27403	35702	52304	83650			894	00031	01	+	rrr.						
Elmdon	534	21306	50041	33051	15501	53217	81620			534	51208	40041	31851	00901	53000	85070			534	00523	56	+	+						
Cardington	559	21404	56050	33950	00901	52212	82075			559	41006	50100	33052	15601	52002	81630	84075		559	00533	58	+	+						
Wittering	462	51405	40041	34351	55500	52308	85622			462	31007	50041	33451	35500	52803	83624			462	00513	54	+	+						
Watnall	354	01305	40050	34251	00900	52213				354	01309	50050	32950	00900	53002				354	00523	59	+	+						
Shawbury	414	11104	40040	31651	15700	52009	81650			414	51104	38041	30351	15532	52805	81620	85075		414	00533	57	+	+						
Finningley	360	11204	40100	34053	15600	53311	81630			360	71205	50041	33251	755//	52706	87622			360	00533	58	+	+						
Spurn Point	396	31815	68011	34005	35600	00207	83630			396	61219	68021	33706	656//	01506	86632			396				+						
Leeming	257	01609	40041	34450	00900	51316				257	71806	30041	33401	755//	51801	87620			257	00523	54	+	+						
Tynemouth	262	01820	61020	32803	00900	00106				262	71821	66021	33303	756//	51500	87630			262	00011	50	+	+						
Carlisle	222	11311	60030	31000	00901	52112	81075			222	51311	60011	30801	10932	52302	81362	85075		222	00003	56	+	+						
Valley	302	30910	62011	26705	35700	50801	83656			302	81208	65031	25505	00907	50812	88273			302	00021	53	+	+						
Ringway	334	11311	57020	32402	00902	52212	81075			334	21212	70020	31702	00901	54002	82075			334	00013	52	+	+						
Squires Gate	318	01214	50040	30801	00900	51004				318	21215	58040	30301	00901	51004	82080			318	00003	52	+	+						
Ronaldsway	204	31321	57041	27805	36402	02103	83712			204	71326	58041	26604	3647/	02710	83712	87360		204	00041	02	+	+						
Mull of Galloway	131	41635	66031	27005	45600	02217	84630			131	71635	60021	25205	785//	02710	83820	87630		131	00041									
Eskdalemuir	162	23202	40050	32254	15701	55310	81650			162	50602	58051	31752	00902	56305	85074			162	00553	58	+	+						
Prestwick	135	10905	57040	29501	15700	51108	81650			135	71216	59041	28901	55702	53701	85650	87070		135	00003	51	+	+						
Abbotsinch	140	61007	45041	29801	00906	52007	86070			140	50606	50041	29451	40932	53703	84359			140	00513	55	+	+						
Leuchars	171	23202	60021	31152	00902	55205	82075			171	21006	59020	31002	00902	51203	82070			171	00533	56	+	+						
Dyce	091	71615	56052	31604	754//	50209	87618			091	51612	57052	31604	55400	50500	81714	85616		091	00031	00	+	+						
Lerwick	005	71814	80031	30206	784//	01400	81813	87622		005	71922	81012	30407	754//	03400	87618			005	00041	01	+	+						
Wick	075	11715	68051	29205	15640	01304	81635			075	31722	57051	29505	16432	01003	81715			075	00041	02	+	+						
Sule Skerry	010	51426	74031	27306	2257/	03202	82820	85465		010	41424	74011	27607	40930	05000	84360			010	00041	04								
Cape Wrath	049	12310	80020	26306	15500	51203	81625			049	62303	80021	26008	35630	00805	83630	86360		049	00061	01	+	+						
Stornoway	026	61715	75031	25608	656//	04307	86635			026	71510	70036	25308	755//	05000	82620	87645		026	97051	04		ir.						
Benbecula	022	81625	62216	24107	854//	04208	88617			022	81521	65026	24206	854//	04500	83618	88635		022	95051	05		ir.						
Tiree	100	81534	58616	24806	6542/	05111	86618	88458		100	81531	60046	24306	7541/	03702	84616	87622												

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

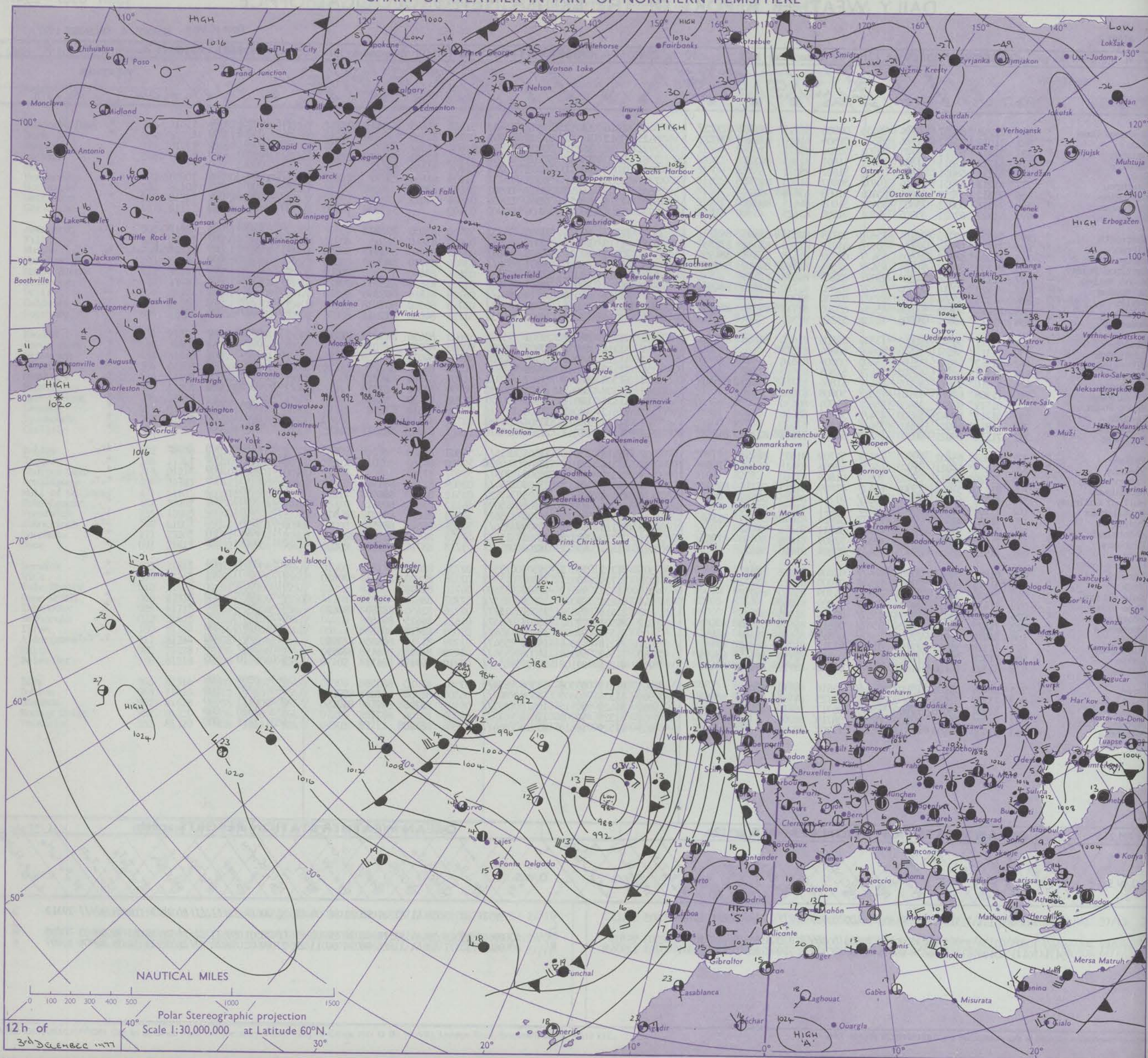
ISSN 0307-2541

No. 42381

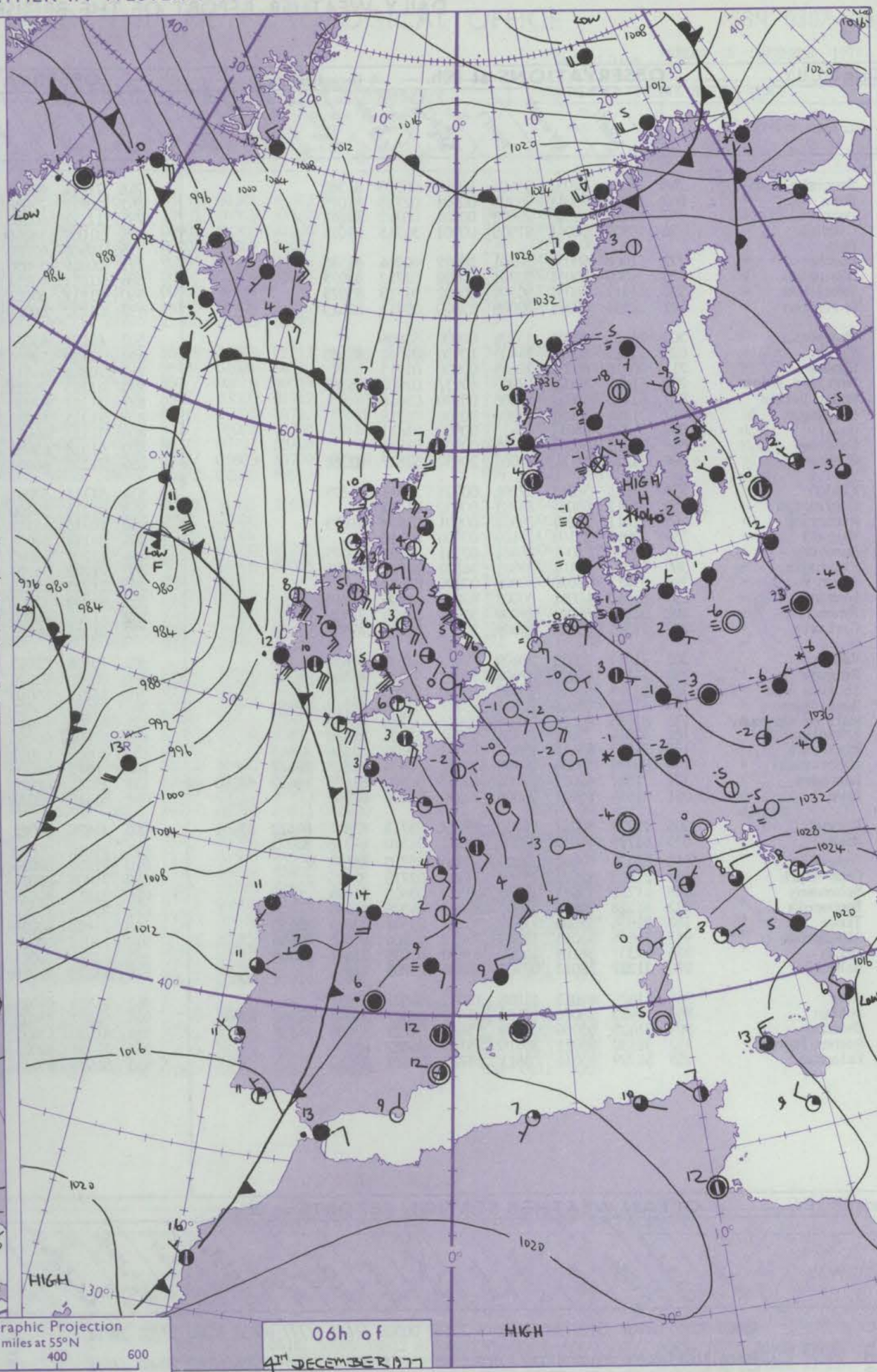
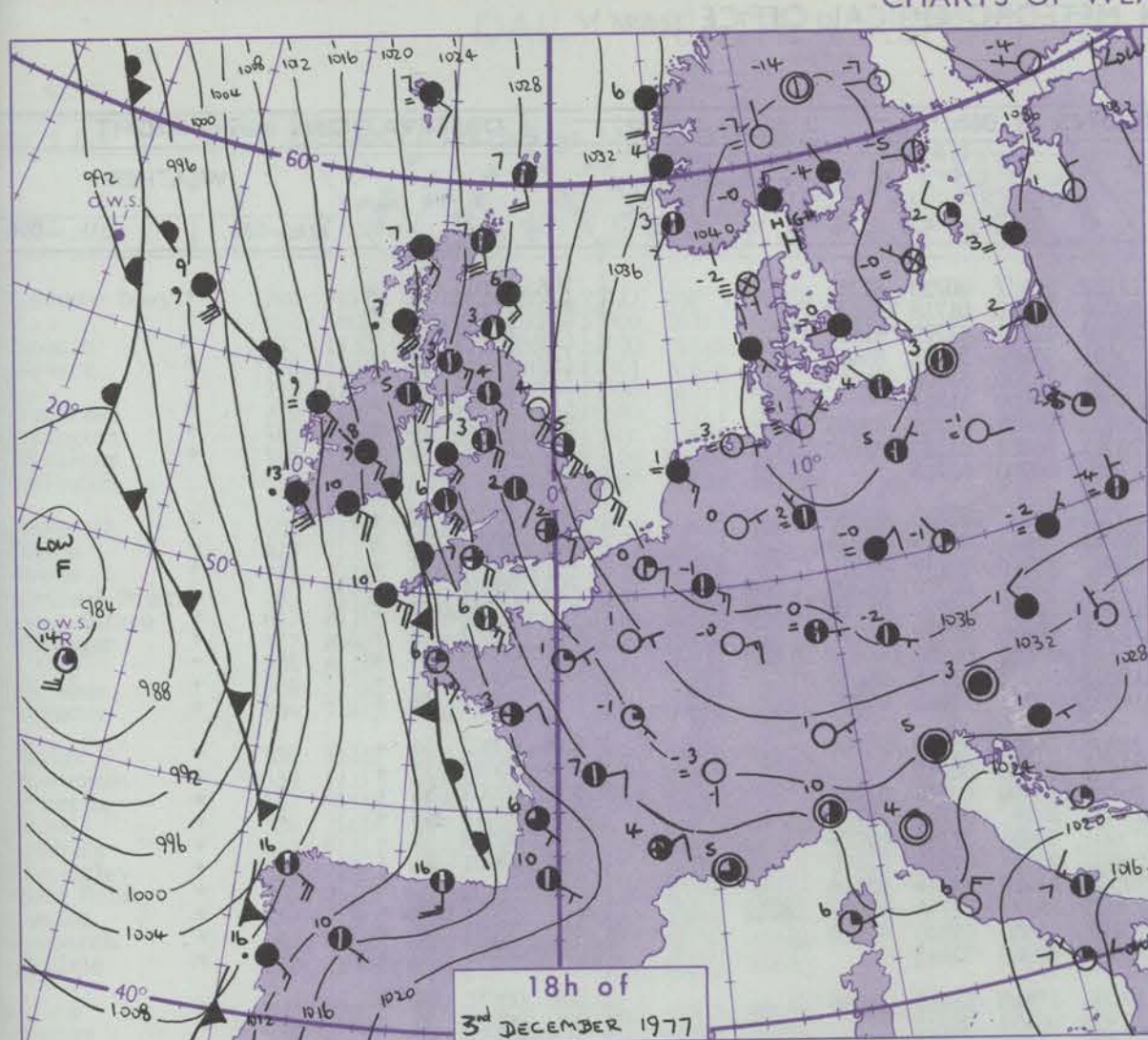
Date of Issue SUNDAY 4 DECEMBER 1977

OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY				
3 December 1977										3 December 1977														
Station	iii	Nddff	VVwww	PPPTT	N _h Ch _h CH	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwww	PPPTT	N _h Ch _h CH	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RR T x T	SSS	WEATHER		
																						09h.—15h.	15h.—21h.	
Boscombe Down	746	71218	60052	29304	16436	00806	81715	85360	87272	746	61016	58052	27802	15632	51507	81645	83360	85072	746	00051	004	+	+	
Hurn	862	71016	60032	29106	15572	01806	81620	87462	87072	862	50912	60012	27206	40932	02706	84360			862	00060	000	+	+	
Manston	797	51317	60011	33703	00902	50801	85072			797	41214	56051	32604	10932	01602	81362	84072		797	00041	036	+	+	
Gatwick	776	51213	62011	31304	10931	51807	81365	84075		776	51010	58042	30103	20932	51705	82362	85075		776	00053	033	+	+	
Kew	775	51211	58051	31603	00902	51807	85072			775	31007	58051	30303	15701	51601	81656	83072		775	00043	030	+	+	
Heathrow	772	41211	57051	32004	10932	50807	81360	84070		772	51008	56051	30502	15731	51605	81656	83070		772	00043	026	+	+	
Honington	586	71312	57052	34004	35404	51000	83616	86075		586	71009	48052	32603	00902	01803	87070			586	00051	009	+	+	
Wattisham	590	71318	60012	33903	45402	51003	84615	86075		590	41216	58051	32504	00902	01804	84075			590	00040	004	+	+	
Gorleston	497	41322	62021	35305	35501	01203	83625			497	01224	66010	34106	00900	03400				497		030			
Aberporth	502	71535	62216	20204	25678	52729	82635	85360	85275	502	71527	64038	20206	3573/	52010	83650	86360		502	94061	001	r _o r _o pr _o	pr _o	
Filton	628	71220	58052	28104	60978	01812	82360	85362	87270	628	71118	56052	27004	3567/	00606	83640	87360		628	00051	000	+	+	
Rhoose	715	81020	56792	26905	1547/	01707	81618	85358	88459	715	70815	60026	25305	1567/	02803	81640	87359		715	92051	000	h _o r _o ir _o h _o r _o r _o	r _o	
Hartland Point	703	81330	64607	20105	4547/	02521	81710	84640	88360	703	81132	64026	18907	854/	03804	83710	88640		703	95070	000			
Mount Batten	827	71114	57606	24007	7097/	03804	84358	87460		827	71014	62026	21708	5563/	03614	82640	85656	87358	827	97081	000	r _o	+	
St. Mawgan	817	81425	50616	21206	3547/	05302	81710	83620	88458	817	81323	70026	19207	6567/	03712	81630	86645	88460	817	03081	000	rr _o r _o	+	
Scilly	804	81325	50606	17509	873/	07000	88707			804	81123	65036	16110	884/	06705	81816	88626		804	01101	000	ir _o	ir	
Culdrose	809	81414	40636	21606	454/	05205	82715	84620	88459	809	81219	45056	18709	6562/	03715	86640	88459		809	12091	000	rr	ir _o	
Guernsey	894	71417	66021	26205	70938	53710	87360			894	71216	68022	23806	45732	51711	84656	85360		894	00071	001	+	+	
Elmdon	534	71211	56042	31001	15532	52808	81620	84360	87070	534	71208	58042	29302	25778	52603	82656	84362	86270	534	00023	000	+	+	
Cardington	559	71313	58051	32503	00902	00804	87073			559	61214	60052	30802	00902	00802	86073			559	00041	032	+	+	
Wittering	462	51313	58041	33104	55400	00804	85616			462	41213	56041	31402	00902	00703	84070			462	00043	009	+	+	
Watnall	354	71112	56041	32502	5547/	51804	85615	87362		354	81113	40042	30602	50977	50708	85363	88275		354	00031	000	+	+	
Shawbury	414	81310	50042	30102	854/	51806	81711	83614	88640	414	61308	56042	27903	30932	51804	83362	86075		414	00031	000	+	+	
Finningley	360	71208	62012	33103	755/	50808	87620			360	71208	56042	31102	30932	50709	83362	87070		360	00031	000	+	+	
Spurn Point	396	61519	60022	34405	656/	01004	86630			396	41427	68011	31905	35670	02708	83630			396			+	+	
Leeming	257	81711	56042	33303	854/	51705	88616			257	71612	40042	31002	754/	00706	85614	87616		257	00033	000	+	+	
Tynemouth	262	71818	61022	32805	756/	01805	87630			262	51820	61022	30304	50930	02711	85358			262	00051	000	+	+	
Carlisle	222	71514	65022	30303	15578	51805	81622	83360	86270	222	71414	62012	27304	35678	52613	83645	86360	87462	222	00051	000	+	+	
Valley	302	81308	65602	23907	1562/	52709	81635	88459		302	81418	65216	21507	855/	51803	88628			302	01091	000	ir _o ir	ir _o	
Ringway	334	71115	60021	31302	65438	52808	83618	85645	87270	334	41314	57011	28504	40930	52810	84360			334	00051	000	+	+	
Squires Gate	318	71320	60011	29402	7097/	01809	87360			318	71319	58042	26503	7097/	51607	87360			318	00041	000	+	+	
Ronaldsway	204	81230	57042	25504	6647/	02809	81713	86716	88359	204	81326	45612	23405	854/	02609	82713	88650		204	01051	000	r _o r _o	r _o r _o	
Mull of Galloway	131	81535	60022	23404	4552/	01714	84625	88460		131	81640	60502	21605	4742/	02512	84710	88460		131	97051	000	+	+	
Eskdalemuir	162	71108	70032	30701	785/	53811	83820	87640		162	51205	60022	27800	45670	54612	83640	84364		162	00033	000	+	+	
Prestwick	135	71223	62022	27302	55672	52814	82640	85650	86360	135	71116	62022	24703	3567/	52713	81645	83650	87460	135	97051	000	+	ir _o	
Abbotsinch	140	71008	57042	28602	45772	54811	84656	87462		140	81110	58602	25904	856/	52301	81640	88656		140	91041	000	+	ir _o	
Leuchars	171	71609	70021	31403	4557/	52807	81620	84650	87362	171	71213	59022	28403	15572	52705	81620	83362	87072	171	00043	000	+	+	
Dyce	091	71911	65051	31405	754/	00804	81618	86622		091	81621	65022	28206	854/	01713	83714	88620		091	00061	000	+	+	
Lerwick	005	61824	80012	30407	684/	02804	82818	86627		005	71722	80012	29507	755/	02706	87627			005	00071	001	+	+	
Wick	075	51718	64051	29505	28442	01000	81715	85072		075	71729	70032	25307	25572	02728	82620	84360	87070	075	00071	001	+	+	
Sule Skerry	010	71434	58021	25807	50912	04709	85460	86070		010	51433	58012	23607	55500	04716	85625			010	00070				
Cape Wrath	049	71412	82032	24407	7097/	54809	87460																	

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

The intense anticyclone near Denmark persisted with a southerly or southeasterly airstream over the British Isles during the past 24 hours. Winds were strong in the west in association with deep Atlantic depressions, one of which moved northeast then north from north of the Azores to west of Ireland, with frontal troughs moving northwards

over western Britain. During the next 24 hours a similar situation is expected to persist with the anticyclone near Denmark weakening slightly. The depression west of Ireland will move away northwestwards but will be replaced by a further depression moving east then north on a similar track.

Issued at midday 4 DECEMBER 1977

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

Code FM II.V										OBSERVATIONS at 00h.										OBSERVATIONS at 06h.										OBSERVATIONS during NIGHT									
										4 December 1977										4 December 1977																			
Station	ill	Nddff	VVwww	PPPTT	N _h C _h M _h 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	ill	Nddff	VVwww	PPPTT	N _h C _h M _h 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	ill	RRT _n T _n E	T _g T _g	WEATHER																	
																						21h.—03h.	03h.—09h.																
Boscombe Down	746	11011	62031	25401	10930	00715	81360			746	71014	60021	21302	764//	00723	87714			746	00011	52	+		+															
Hurn	862	10913	75011	24705	00901	02713	81075			862	20812	75030	20704	15530	01718	81620			862	00031	01	+		+															
Manston	797	11218	62020	29803	00901	00713	81072			797	11121	60020	25403	11401	01722	81812			797	00031	00	+		+															
Gatwick	776	10907	58041	27900	00901	51715	81075			776	31007	58040	23601	35400	51721	83616			776	00513	56	+		+															
Kew										775	10908	62020	23701	15500	51720	81625			775	00003	54	+		+															
Heathrow	772	11008	58051	28201	10932	00714	81362			772	00810	59050	24000	00900	51821			772	00503	53	+		+																
Honington	586	31009	25051	30203	00902	02712	83075			586	21011	40051	26403	00902	01721	82075			586	00021	00	+		+															
Wattisham	590	51217	56051	30104	00902	01713	85075			590	31117	60021	26304	26402	01722	82712			590	00030	01	+		+															
Gorleston	497	21221	66021	32006	25500	03711	82625			497	01232	66020	27406	00900	02728			497																					
Aberporth	502	01418	65021	19306	00900	52806				502	61437	65031	13305	6093/	52632	86360			502	00030	02	+		+															
Filton	628	11115	60021	24403	10930	01612	81360			628	71120	59051	20903	754//	01719	87615			628	00030	00	+		+															
Rhoose	715	00916	66021	22605	00900	01715				715	70818	64011	18903	754//	01718	87616			715	00031	01	+		+															
Hartland Point	703	61022	80022	17907	6093/	02000	86360			703	41125	79021	12106	20981	02728	82360	83075		703	00050	04																		
Mount Batten	827	01115	68021	19008	00900	03616				827	31117	67030	14906	10931	02724	81360	83075		827	00051	03	+		+															
St. Margaret	817	01424	65021	15808	00900	02718				817	71325	62031	12306	00906	02719	87270			817	00051	03	+		+															
Scilly	804	01227	65011	13410	00900	03811				804	31123	60021	10509	15502	04706	81620	83075		804	00081	06	+		+															
Culdrose	809	01419	64051	15909	00900	03811				809	61318	65051	12507	00901	03715	86070			809	00060	05	+		+															
Guernsey	894	21218	66031	20005	20930	51827	82360			894	71220	66021	16903	7093/	52612	87360			894	00031	01	+		+															
Elmdon	534	11111	58041	27201	00901	52811	81075			534	51111	57041	23801	56300	52716	85709			534	00003	52	+		+															
Cardington	559	01212	60051	28701	00900	01712				559	01111	58100	25001	00900	00719			559	00003	53	+		+																
Wittering	462	11011	25101	29802	00901	01608	81075			462	10710	45101	26201	16400	00718	81712			462	00003	51	+		+															
Watnall	354	00910	25101	29101	00900	00710				354	81114	57051	26002	863//	01713	88707			354	97011	53	+		+															
Shawbury	414	21006	56041	26401	00901	51603	82075			414	21209	40040	23000	00901	51718	82075			414	00513	55	+		+															
Finningley	360	51307	50101	29801	56302	01707	85706			360	71208	35101	26802	763//	01714	87709			360	00001	53	+		+															
Spurn Point	396	01423	68020	30906	00900	02607				396	21225	62010	27505	21400	03718	82816			396																				
Leeming	257	81610	40041	30002	864//	01806	88710			257	81609	17102	27603	863//	02714	83707	88710		257	00011	51	+		+															
Tynemouth	262	31816	61021	29904	30930	02804	83359			262	41725	66030	27105	45600	04818	84630			262	00031	02	+		+															
Carlisle	222	71514	65022	26006	757//	51607	87656			222	01311	70021	24304	00900	52815			222	00023	55	+		+																
Valley	302	71417	75022	20409	758//	53803	87656			302	10706	82011	17106	10940	53713	81358			302	00051	53	+		+															
Ringway	334	11113	65011	27604	10931	51500	81360			334	00920	62020	24302	00900	50712			334	00023	00	+		+																
Squires Gate	318	11316	64011	25403	10930	50803	81360			318	11221	65010	21703	10930	51820	81360			318	00021	01	+		+															
Ronaldsway	204	81224	58046	22306	854//	02803	81712	88657		204	11233	60041	19105	16400	01815	81716			204	00041	03	+		+															
Mull of Galloway	131	81635	60026	20606	856//	02706	88630			131	01538	65011	18305	00900	02506			131	97021																				
Eskdalemuir	162	51414	75031	26304	55701	53701	85650			162	20000	60051	25500	25602	54713	82645			162	00513	57	+		+															
Prestwick	135	71617	65016	23907	756//	54704	82636	87645		135	30609	62011	21503	15730	53716	81650			135	00021	52	+		+															
Abbotsinch	140	80709	56606	24703	854//	51804	82618	88642		140	20812	68016	22503	10931	51711	81360			140	97013	52	ir.		+															
Leuchars	171	71007	62022	27804	4563/	00500	81635	84650	87360	171	11212	62011	25504	10930	01714	81360			171	00031	01	+		+															
Dyce	091	21624	65021	26506	20930	02808	82360			091	61515	65021	26207	664//	03809	86712			091	00051	04	+		+															
Lerwick	005	71728	80212	26907	5542/	03718	83616	84622	87461	005	71828	80022	25407	754//	05705	87618			005	97071	05	ir.		+															
Wick	075	61729	65052	23807	40932	01520	84358	85070		075	71626	75022	23807	25637	03604	82632	87360		075	00041	03	+		+															
Sula Skerry	010	51434	57031	21207	55500	05710	85625			010	71431	58056	20408	755//	06703	87620			010	97061	05																		
Cape Wrath	049	21810	82021	19109	25500	02713	82625			049	71809	82021	18710	155//	0180																								

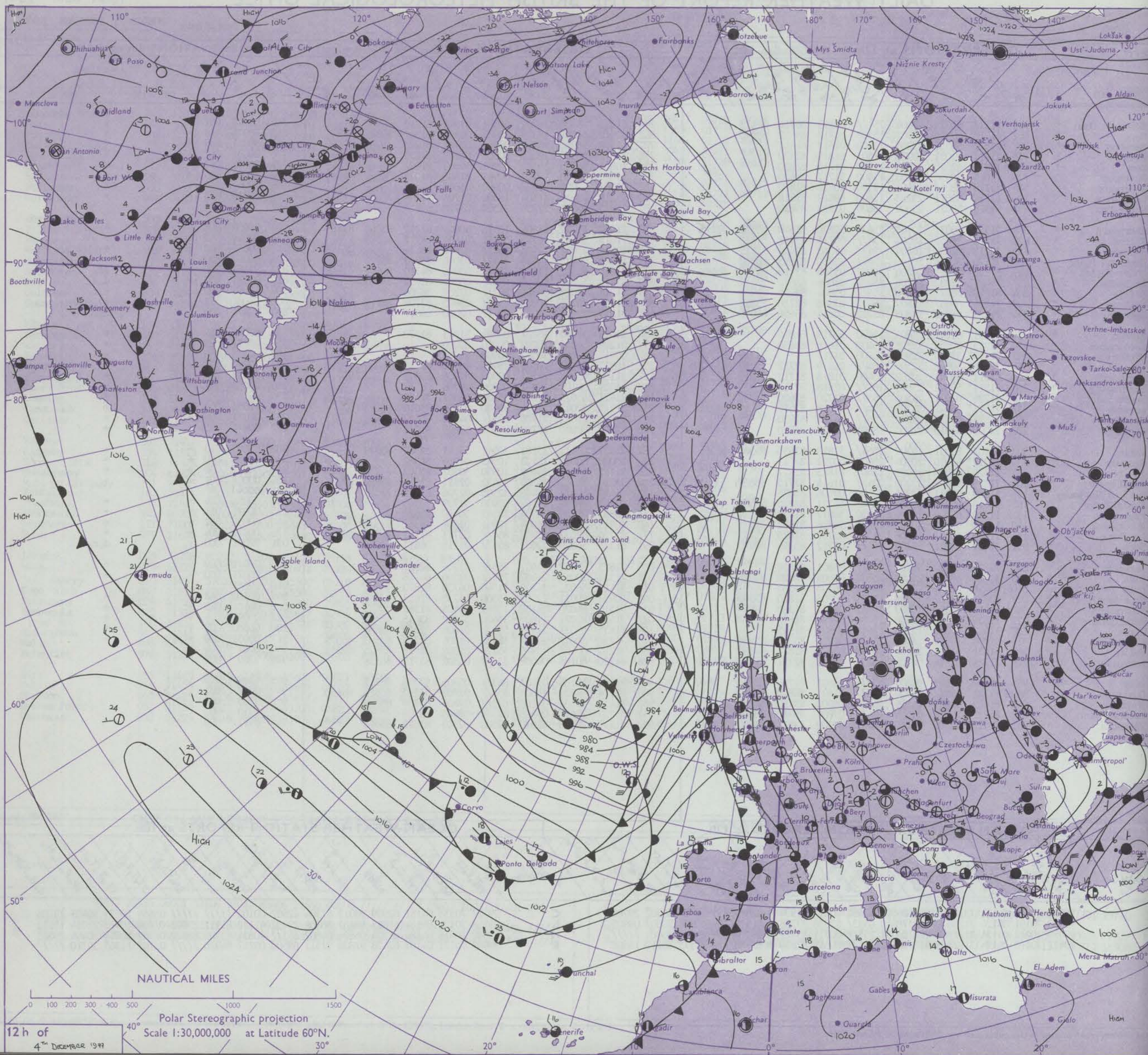
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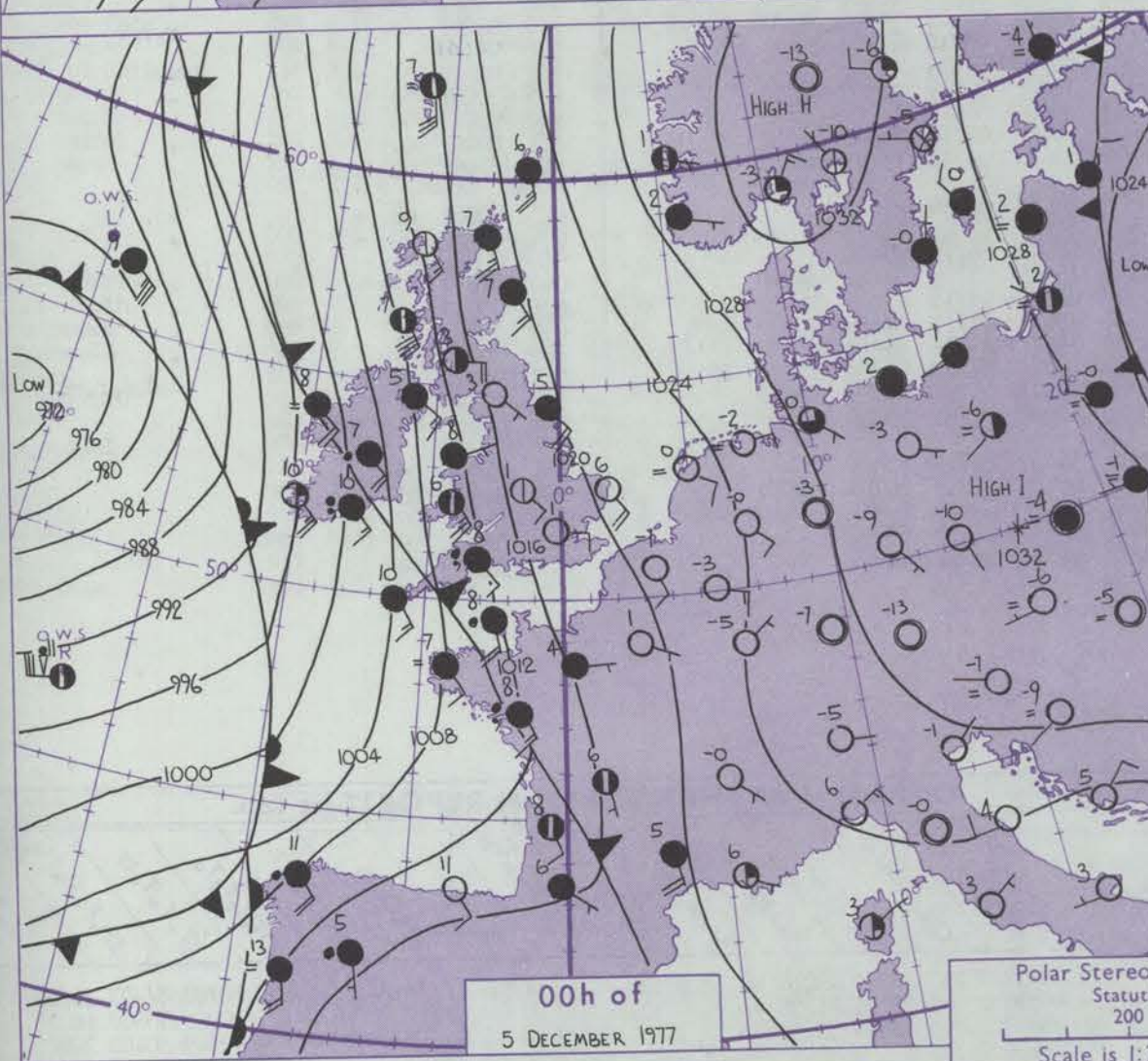
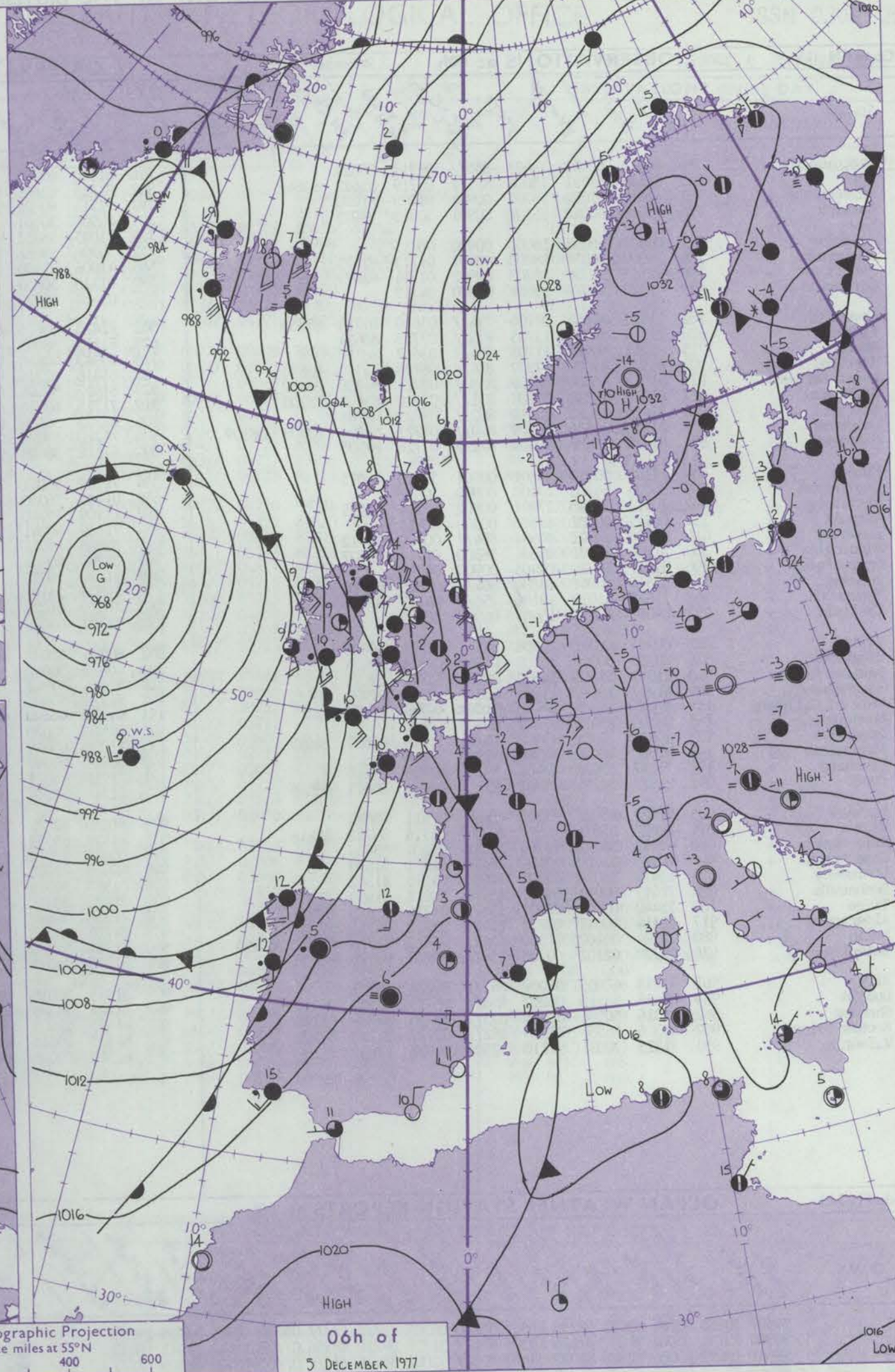
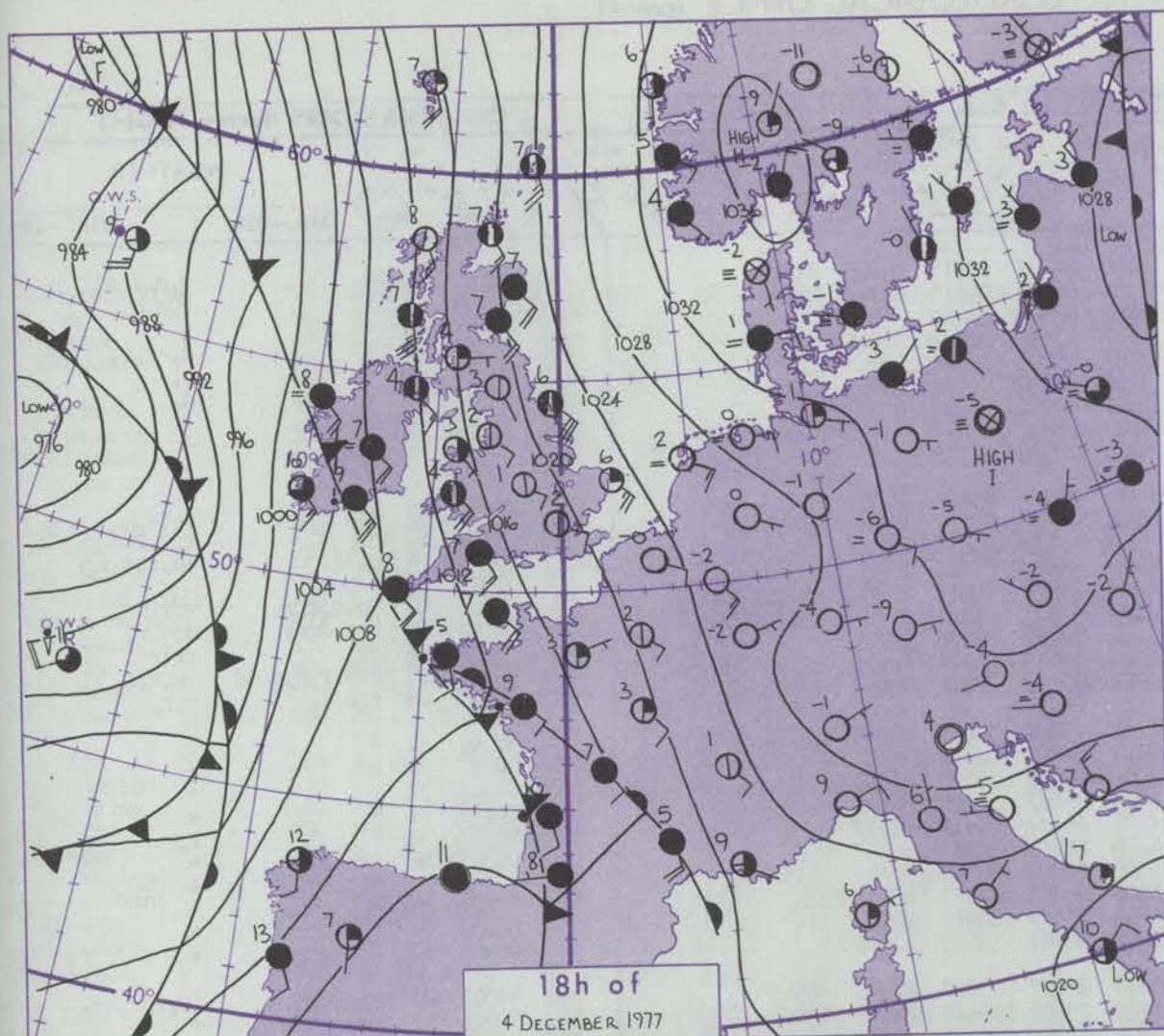
All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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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

During the past 24 hours the large anticyclone over southern Sweden has remained almost stationary. The complex area of low pressure persists over the Atlantic with centres turning north then northwest towards southern Greenland. Troughs of low pressure have made only slow eastward progress into southwestern parts of the British Isles. During the next 24 hours no marked change is expected in the general synoptic pattern near the

British Isles. The strong southeasterly gradient over the British Isles will be maintained but troughs of low pressure will continue to make slow progress northeast across the country. Pressure will fall steadily as a low centre develops in Biscay and the centre of the anticyclone transfers slowly north across Scandinavia.

Issued at midday MONDAY 5 DECEMBER 1977

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DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

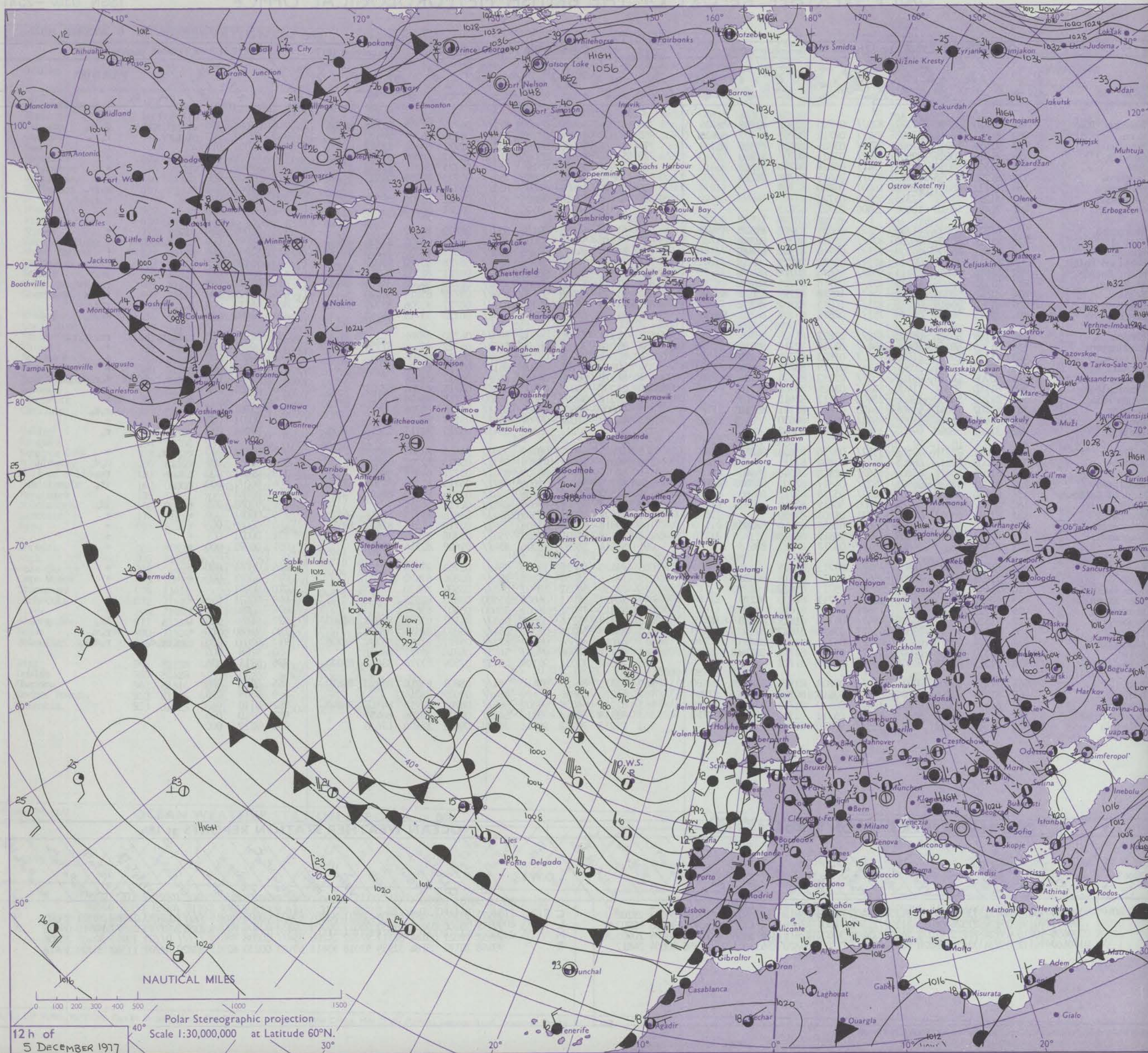
ISSN 0307-2541

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Date of Issue TUESDAY 6 DECEMBER 1977

Code FM II.V		OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

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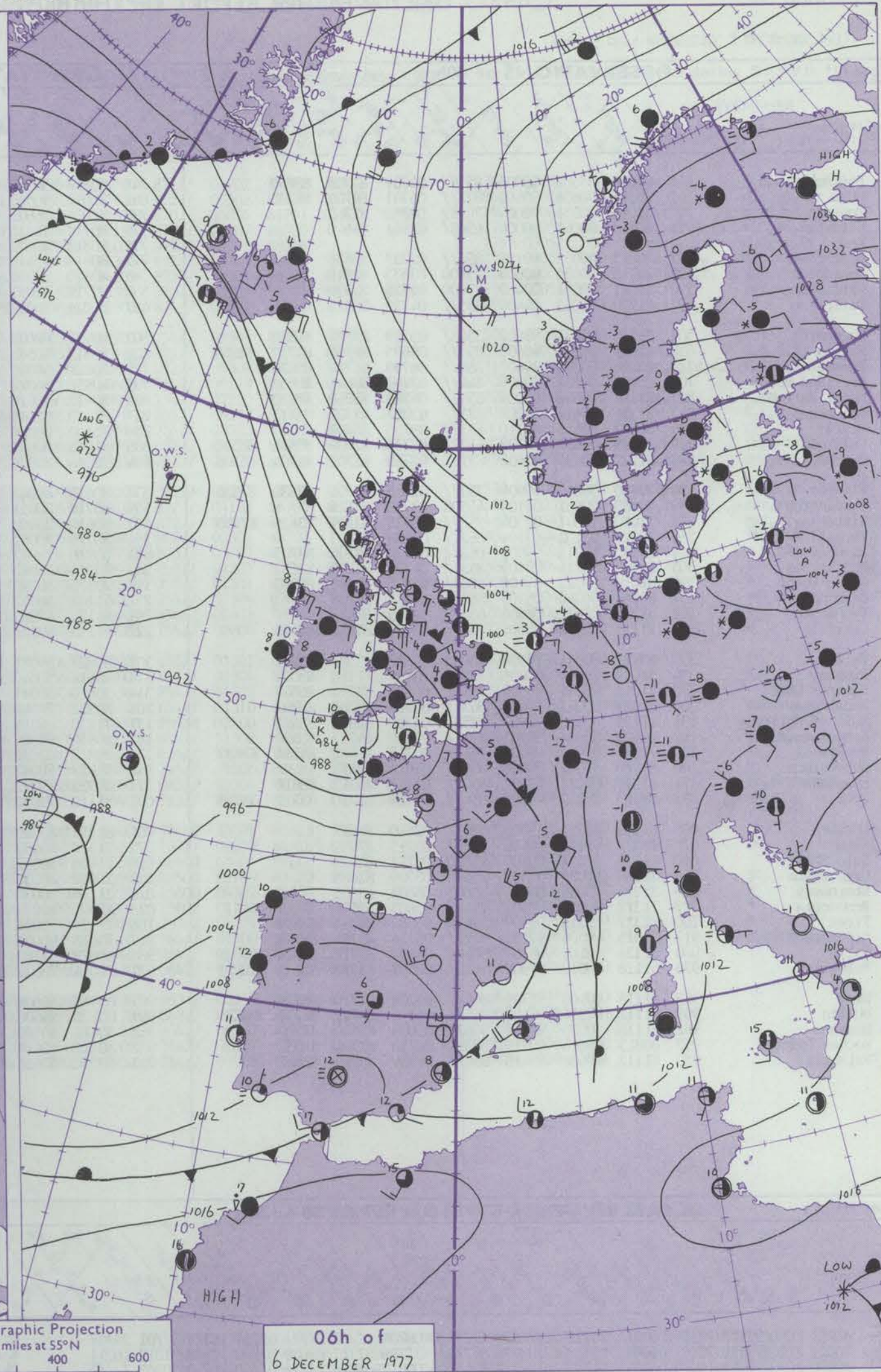
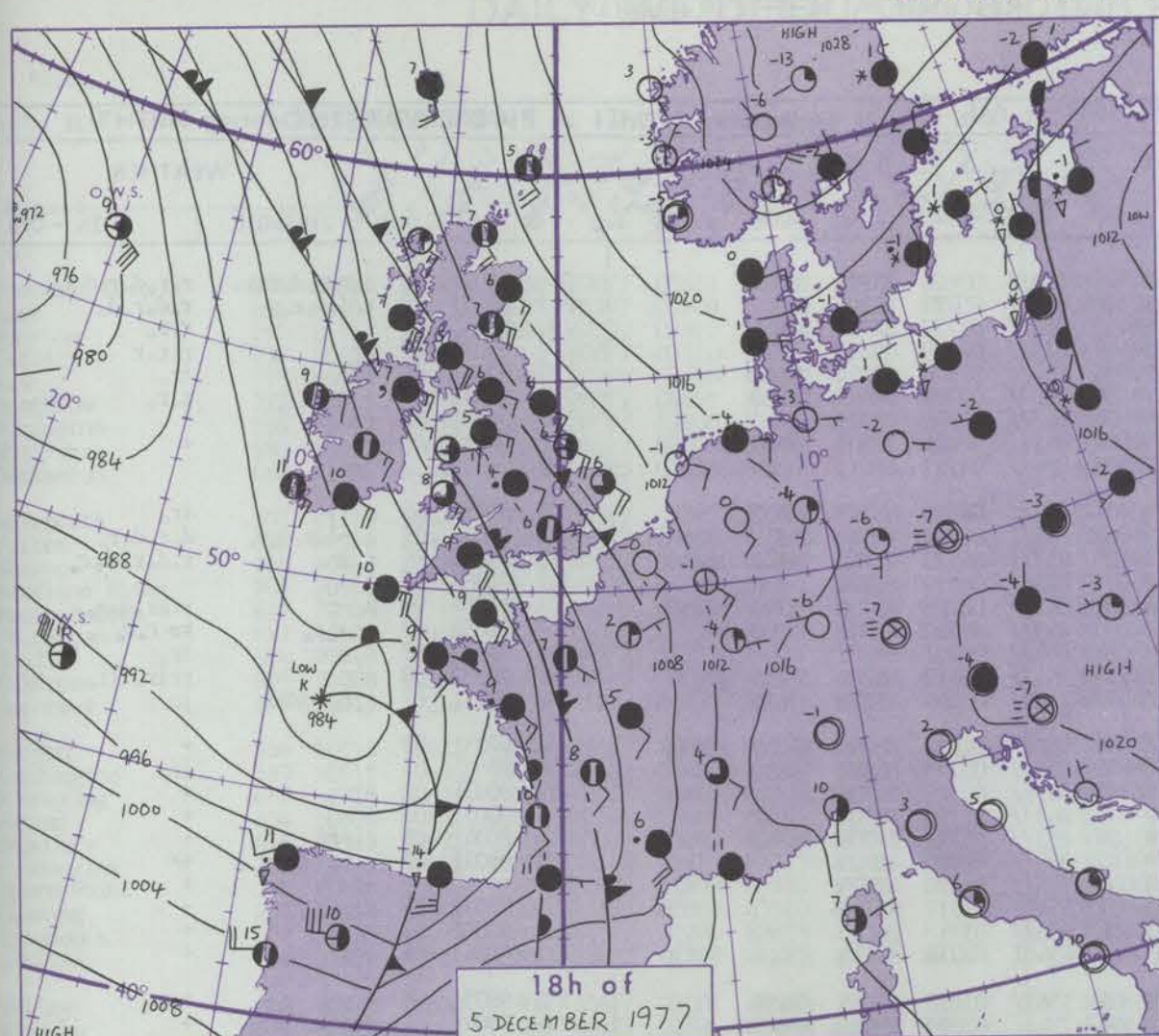


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Polar Stereographic projection
Scale 1:30,000,000 at Latitude 60°N.
30°

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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

During the past 24 hours the Scandinavian anticyclone moved away northeastwards as a depression moved westwards across eastern Europe. The complex low pressure area persisted over the North Atlantic, with a deep depression west of the British Isles turning away northwestwards as a developing low moved northeastwards from Finisterre. Troughs of low pressure made slow progress northeastwards over southwestern districts

of the British Isles. During the next 24 hours little general change is expected as another deepening depression moves northeastwards towards the British Isles. The strong east to southeast gradient will be maintained, with frontal troughs affecting southern and western areas of the British Isles.

Issued at midday TUESDAY 6 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h.										OBSERVATIONS at 06h.										OBSERVATIONS during NIGHT									
		6 December 1977										6 December 1977										6 December 1977									
Station	iii	Nddff	VVwwW	PPPTT	N _h ChC _h CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwW	PPPTT	N _h ChC _h CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RR _n T _n E	T _g T _g	WEATHER									
																						21h.—03h.	03h.—09h.								
Boscombe Down	746	81016	35506	96905	853//	04737	83708	88650		746	80818	30586	91503	853//	03626	83706	88628		746	01031	03	d _o r _o d _o d _o r _o r _o	r _o r _o d _o r _o d _o								
Hurn	862	80814	40636	95407	872//	06741	86704	88708		862	81014	30586	90306	872//	05721	86705	88707		862	03051	05	r _o d _o rd _o r _o r	r _o d _o r _o d _o								
Manston	797	31014	56051	01004	20932	02841	82360		797	81014	56601	95403	854//	01727	82710	88656		797	91031	02	+		r _o r _o								
Gatwick	776	80810	40042	99004	6563/	02841	86640		776	80711	26216	93403	873//	02729	88707		776	94031	02	r _o		r _o r _o r									
Kew									775	80813	40602	93904	854//	02628	85710	88640		775	97041	03	+		ir _o								
Heathrow	772	80813	40052	99705	856//	02737	88638		772	80815	45616	94204	4567//	02724	84645	88358		772	97041	03	+		r _o r _o								
Honington	586	20710	30056	02604	25600	03835	82640		586	80813	33051	96904	863//	03730	88709		586	00031	02	+		+									
Wattisham	590	20911	38051	02403	25600	02735	82630		590	80713	32051	96404	862//	02731	85705	88707		590	00031	01	+		+								
Gorleston	497	81220	58022	04406	855//	04729	88625		497	81021	56031	98305	854//	03727	88615		497														
Aberporth	502	71318	62031	93807	3543/	05729	83615	86360		502	80917	62602	90406	854//	04714	85713	88650		502	97051	05	+		ir _o							
Filton	628	81121	56055	96606	853//	04635	82708	84712	88656	628	80815	40586	91504	853//	03722	83708	86618	87632	628	95041	03	d _o -d _o r _o d _o r _o	d _o r _o d _o r _o								
Rhoose	715	80816	56046	94407	854//	06739	86712	88620		715	80620	50606	89105	853//	04723	82708	86620	88635	715	94041	04	r _o ir _o		r _o d _o r _o d _o r _o							
Hartland Point	703	80925	64022	90809	844//	07741	85814	88632		703	80918	56022	86107	863//	06619	88706		703	97062	05											
Mount Batten	827	81114	56636	90009	854//	08745	85710	88620		827	80912	58616	84509	853//	08726	82706	85711	88620	827	13081	06	r _o rr	rrRr _o d _o r _o								
St. Mawgan	817	81321	50616	88308	873//	07741	83707	88711		817	81113	62616	84208	873//	08510	83706	88708		817	04082	07	rr r _o r _o	rr r _o r _o								
Scilly	804	81023	50616	85710	873//	09735	88709		804	81403	58026	83610	854//	09301	88617		804	03102	07	r _o r _o rr		ir _o									
Culdrose	809	81219	50636	87709	6532/	08736	82706	86614	88540	809	81005	50606	83410	5512/	09613	81702	85616	88457	809	08082	08	r _o r _o r	rrir _o fir _o								
Guernsey	894	81221	56636	90608	871//	07755	82702	85704	86706	894	72016	80026	88309	7542/	07309	81710	87616		894	07071	07	r _o r _o rrRR	jp								
Elmdon	534	70910	50046	99904	753//	02828	81706	83630	87650	534	80613	40042	95104	852//	02624	82705	86707	88656	534	97031	03	r _o	+								
Cardington	559	40809	50051	01104	45500	03730	84626		559	80712	40051	95404	855//	03729	84620	88650		559	97031	01	+		ir _o								
Wittering	462	71010	28041	02304	753//	03729	82707	83620	87650	462	80614	25102	97403	863//	02725	83706	88707		462	00031	02	+	+								
Watnall	354	80811	20102	02104	862//	03828	88703		354	80716	30052	97603	863//	02725	88707		354	00031	01	+		+									
Shawbury	414	80910	18215	99605	862//	04725	82704	88705		414	80916	23042	95104	853//	03723	87708	88645		414	96041	03	r _o rff	+								
Finningley	360	80705	50216	03405	853//	04726	84709	88632		360	80711	45042	99104	863//	02720	88709		360	91031	00	r _o r _o	+									
Spurn Point	396	81018	57022	04406	6567/	04725	86640	88360		396	70925	58052	00005	755//	01720	87625		396			+	+									
Leeming	257	80907	56046	05205	863//	04719	88708		257	51102	56042	01404	55402	01717	85615		257	01031	51	r _o r _o	+										
Tynemouth	262	61225	61022	06606	655//	04815	86625		262	61125	69022	03206	655//	03718	86625		262	00061	04	+		+									
Carlisle	222	71111	60032	03806	754//	04720	84618	86640		222	51113	60022	00705	45401	02714	81618	83624		222	00041	51	+	+								
Valley	302	60815	60041	96906	30932	05727	83362	85075		302	80823	59042	92805	3567//	03626	83635	88459		302	96051	04	+		r _o r _o							
Ringway	334	31019	28041	00805	25401	03829	81710	83075		334	70618	50041	96505	754//	02827	85712	87640		334	00041	03	+		+							
Squires Gate	318	71015	40046	00504	754//	04826	83714	86643		318	70820	56041	97005	65431	03716	86618		318	97041	02	ir _o		+								
Ronaldsway	204	81023	30042	99407	863//	05725	83706	88708		204	80921	57042	96806	863//	04715	81708	83710	88713	204	00051	04	+		+							
Mull of Galloway	131	81125	60606	00907	885//	05709	85820	88625		131	71130	65016	97506	755//	03715	87625		131	93051				+								
Esksdalemuir	162	80608	50606	05205	854//	03810	86712	88620		162	80614	60026	01904	854//	01719	86710	88630		162	94021	00	d _o r _o r _o	+								
Prestwick	135	71021	62012	03006	754//	04716	81712	83614	87630	135	70817	62022	00805	3561//	01705	81630	83650	87462	135	00031	01	+		+							
Abbotsinch	140	80916	57042	04006	854//	03616	88618		140	70917	58042	02106	755//	01803	81620	87625		140	00041	02	+		+								
Leuchars	171	81019	62022	07507	854//	03712	84712	88616		171	80923	75022	05206	854//	01712	82712	88618		171	97061	04	+		pr _o							
Dyce	091	81015	65032	09806	854//	01714	81710	83712	87613	091	81112	70022	07405	854//	00715	81715	83616	87618	091	97051	04	+		r _o							
Lerwick	005	81416	65022	15005	854//	02610	88617																								

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

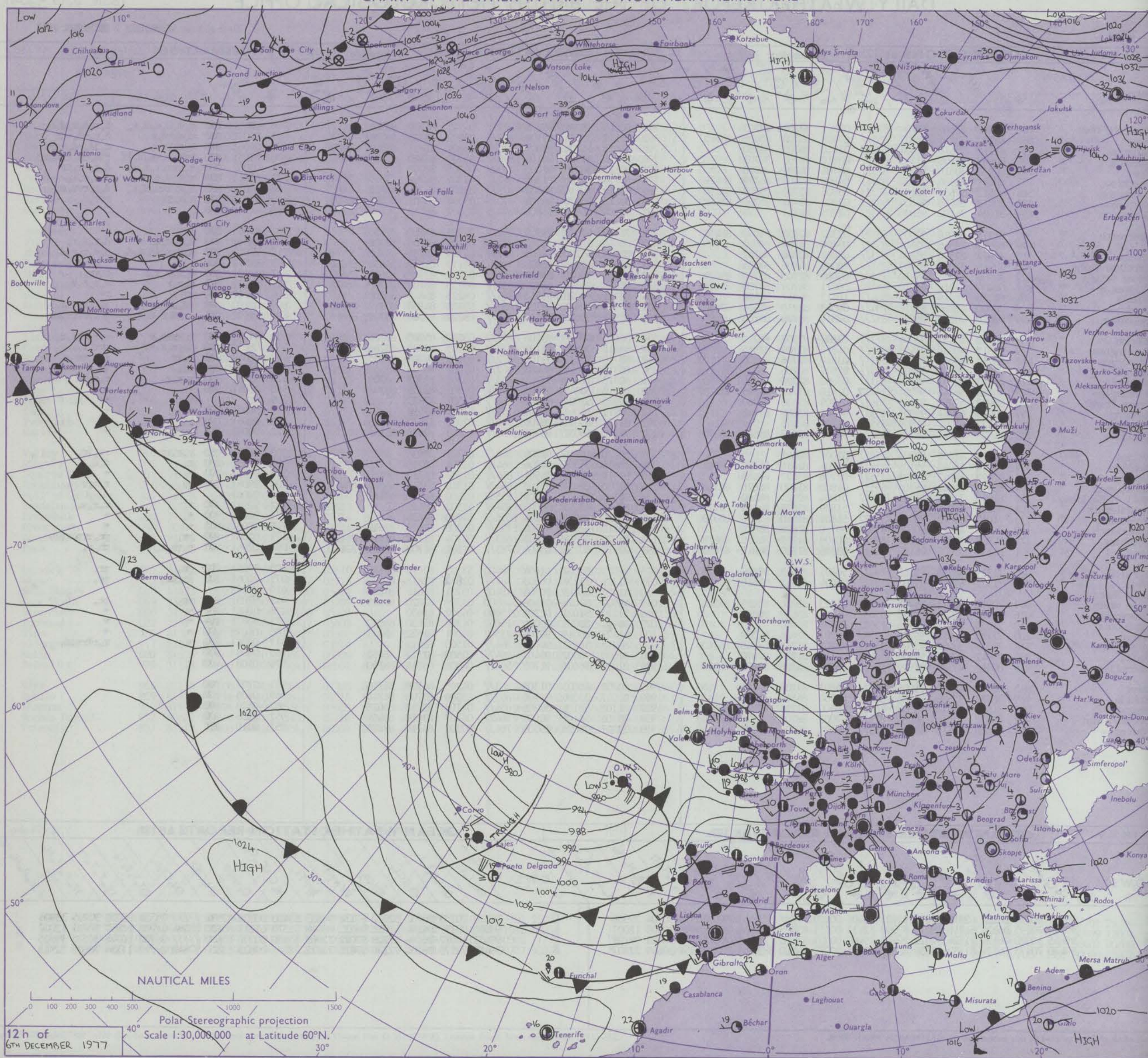
ISSN 0307-2541

No. 42384

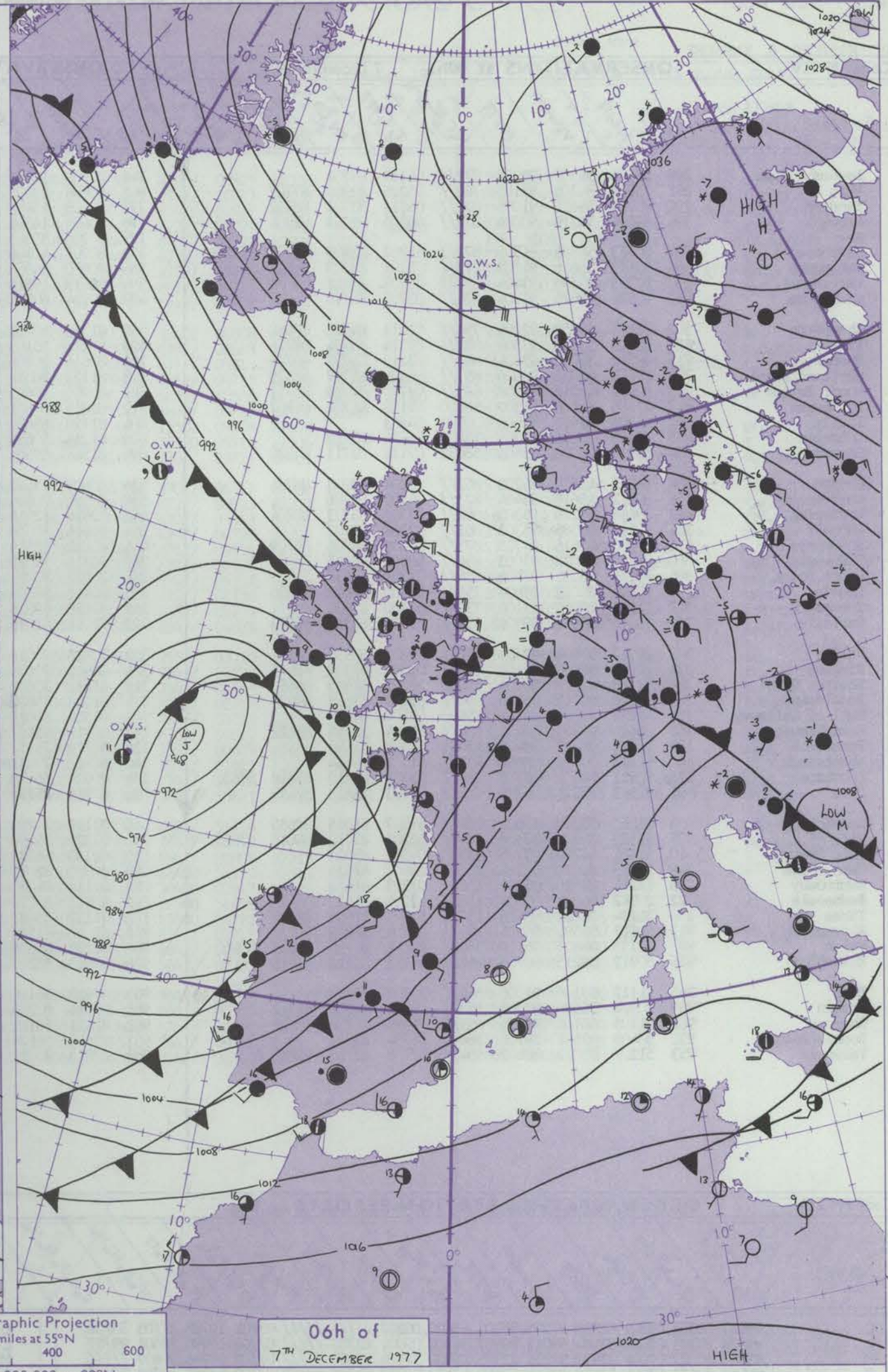
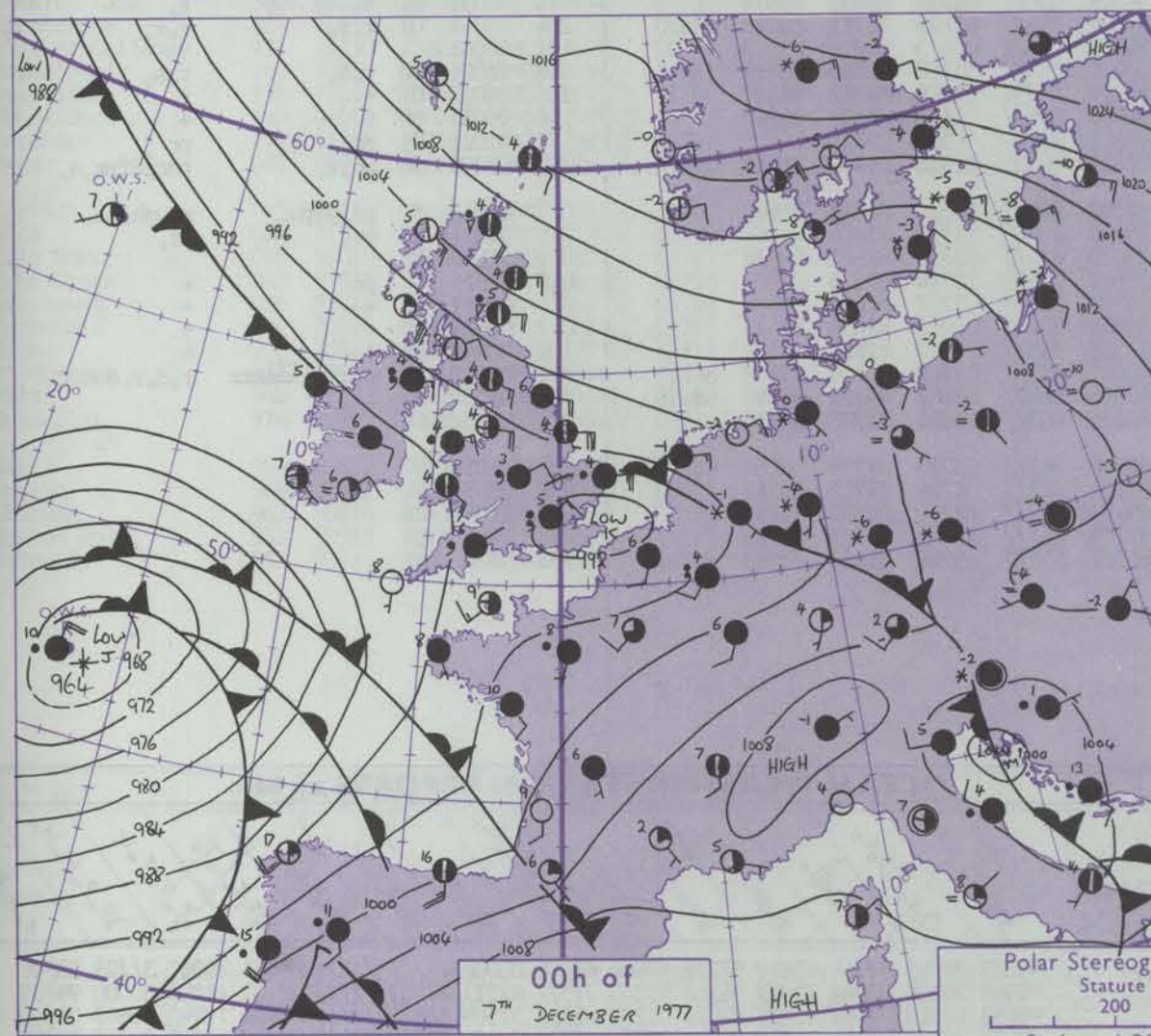
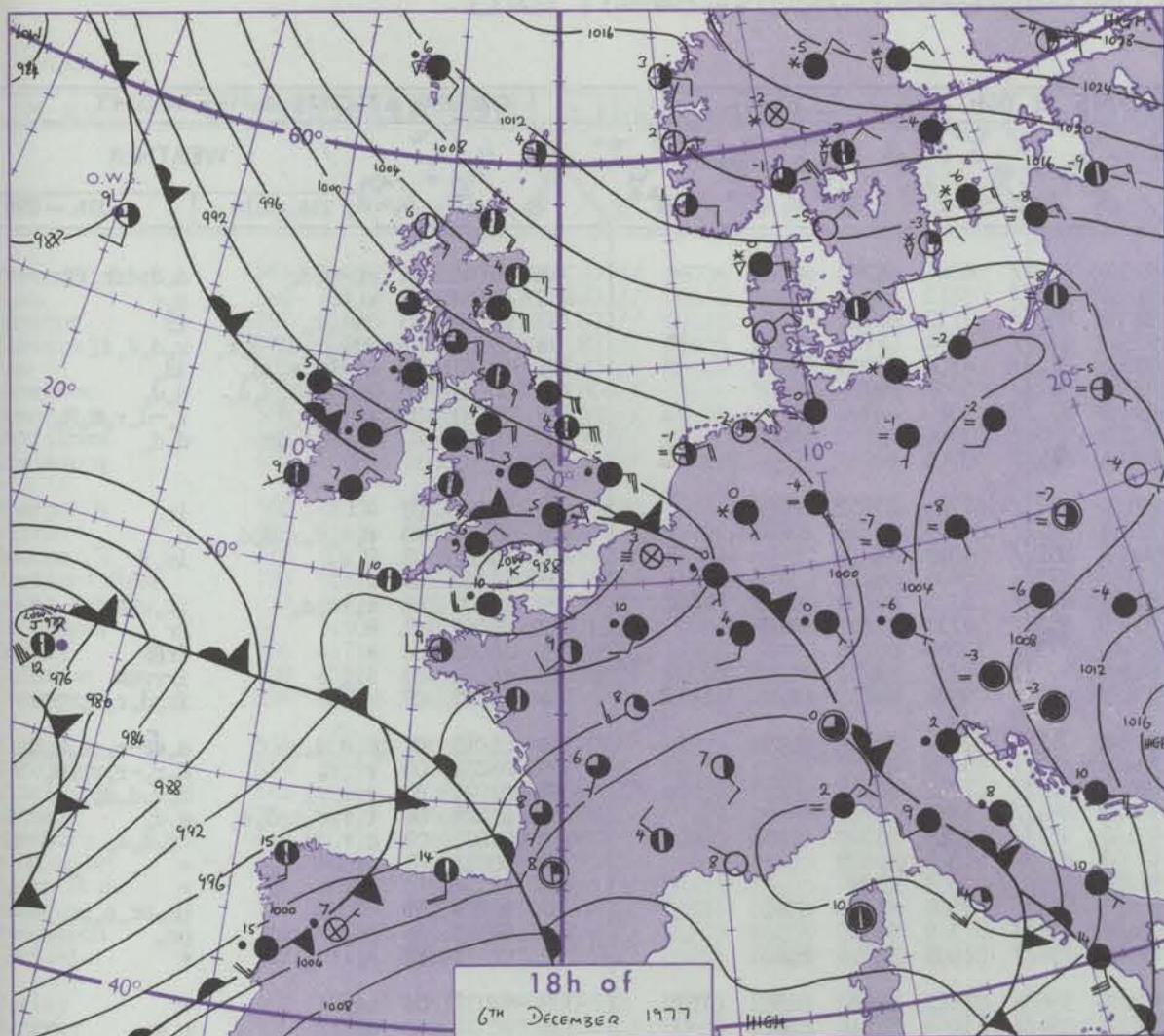
Date of Issue WEDNESDAY 7 DECEMBER 1977

Code FM II.V		OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY									
		6 December 1977										6 December 1977																			
Station		iii	Nddff	VVwww	PPPTT	N _h Ch _h 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	iii	Nddff	VVwww	PPPTT	N _h Ch _h 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	iii	RRT	T _s T _s E	SSS	WEATHER							
																									09h.—15h.	15h.—21h.					
Boscombe Down		746	80815	12586	89704	870//	03811	83701	88702		746	80615	19586	89204	871//	04702	86702	88704		746	02051	000			d _o d _o d _o r _o d _o r _o	d _o r _o d _o r _o d _o d _o					
Hurn		862	80907	22215	88807	852//	07809	84703	87606	88615	862	80111	35586	87906	872//	06502	83705	88706		862	02071	000			d _o d _o -d _o r _o	d _o r _o -d _o -dr					
Manston		797	81212	35616	93504	6722//	03810	86705	88550		797	81013	14506	92605	870//	05804	81701	85702	88703	797	04061	000			r _o r _o rrr _o	r _o id _o -d _o r _o r					
Gatwick		776	80809	12606	91703	870//	03810	83701	88702		776	80714	07506	90105	870//	05707	88700			776	03051	000			rrd _o r _o -r _o d _o ff	ffd _o rd _o r _o d _o r _o					
Kew		775	80908	30616	92204	873//	03706	84708	88710		775	80813	30206	91005	873//	04705	88706			775	03052	000			r _o rrr _o r _o d _o d _o	d _o d _o -r _o Rr					
Heathrow		772	80811	28586	92304	853//	04809	82706	86709	88618	772	80716	28206	91305	872//	04704	88704			772	03051	000			r _o r _o d _o r _o rd _o	d _o d _o r _o r _o					
Honington		586	80812	37636	95104	873//	03806	83706	85707	88710	586	80815	20616	94603	873//	03001	86706	88708		586	04051	000			r _o r _o rrr _o d _o r _o	d _o r _o rrr _o r _o					
Wattisham		590	80812	35616	94504	852//	03808	83704	86706	88612	590	80813	25636	94304	870//	03301	83701	85703	88705	590	07051	000			r _o r _o rr	rrr _o d _o					
Gorleston		497	81024	24102	96805	873//	02705	88707			497	80924	40626	95805	874//	03802	88710			497		000									
Aberporth		502	81115	60026	90005	5537//	02302	82708	85640	88460	502	71419	62052	89905	754//	02305	81710	87650		502	97061	000			ir _o	+					
Filton		628	80914	25516	90104	853//	03808	84709	88613		628	80812	25516	90705	872//	04207	83705	88706		628	96051	000			d _o r _o d _o d _o	d _o r _o d _o r _o					
Rhoose		715	80617	22506	88804	873//	03801	83706	88707		715	80510	45206	90005	872//	04309	86705	88706		715	01051	000			d _o r _o r _o id _o d _o d _o	d _o d _o r _o d _o					
Hartland Point		703	70916	58015	86507	753//	06009	84706	87635		703	70710	62216	88606	3547//	06119	81710	83634	87360	703	97071	002									
Mount Batten		827	70906	62216	85410	752//	09009	82705	83710	85622	827	71105	65022	88608	754//	07220	81710	84617	85650	827	03101	000			d _o r _o r _o r _o r	r _o rr					
St. Margaret		817	60604	57016	85410	48202	09011	81703	83706	85075	817	82405	20516	88709	851//	09223	83702	84708	88615	817	04111	017			d _o r	d _o r _o d _o r					
Scilly		804	82716	70616	86110	884//	10113	86817	88620		804	72721	81026	90510	784//	08223	85815	87620		804	06112	000			rr	rr					
Culdrose		809	70000	40206	85610	784//	09013	82710	85624	87630	809	82909	30636	89709	853//	09229	84709	85712	88620	809	02102	000			id _o ir _o d _o r _o	ir _o irrrir _o					
Guernsey		894	82015	70216	85809	852//	08819	83703	86705		894	82527	50618	89810	853//	09222	82706	85709	86618	894	09102	001			ir _o d _o r _o d _o d _o	pr _o prr _o r _o rr					
Elmdon		534	80713	26632	93004	873//	03809	87707	88711		534	80611	40636	93203	872//	03207	85705	88706		534	07042	000			r _o rrrr _o r	r _o r _o rrrr _o r					
Cardington		559	80912	40636	93405	853//	04810	87709	88615		559	80815	30636	93104	872//	04103	86705	88706		559	08052	000			ir _o r _o r _o rr	rrrr _o r					
Wittering		462	80714	30602	95104	873//	03810	82706	88708		462	80716	22616	95103	872//	03104	86703	88705		462	06041	000			r _o rr	r _o r _o rr					
Watnall		354	80816	30052	95804	863//	02607	88706			354	80719	30616	95403	862//	02303	88703			354	04041	000			ir _o	ir _o r-rr					
Shawbury		414	80913	32602	93404	853//	03808	82708	87710	88650	414	80813	18616	93703	873//	03307	83707	88709		414	03041	000			r _o r _o r	r _o r _o RR					
Finningley		360	80713	56042	96904	36437	01810	83713	85365	88275	360	80913	50042	97003	863//	01303	83706	88708		360	00041	000			+	+					
Spurn Point		396	80926	57052	97805	5567//	01809	85630	87360		396	70928	62022	97304	756//	01501	87637			396		+			+	+					
Leeming		257	70916	62041	99905	655//	00801	83620	86645		257	70912	60041	99304	754//	01304	87618			257	00061	001			+	+					
Tynemouth		262	81132	61022	01906	855//	01704	88625			262	81127	69022	00706	856//	02603	88630			262	00061	000			+	+					
Carlisle		222	71022	65021	98706	58432	01707	81717	85630	86074	222	71216	65032	98405	756//	00804	87630			222	00061	005			+	+					
Valley		302	80715	42632	92905	856//	03001	88645			302	80820	40616	92004	856//	03301	88635			302	05051	000			r _o r _o rr	rr _o ir _o					
Ringway		334	80914	45042	95105	6542//	01704	82716	86656	88462	334	80814	35506	94904	864//	01304	88711			334	97051	000			r _o	d _o d _o					
Squires Gate		318	81020	58042	95805	3552//	02706	83622	88460		318	80918	57042	95504	854//	01303	81715	88620		318	00051	000			+	+</					

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



CHARTS OF WEATHER IN WESTERN EUROPE



GENERAL SYNOPTIC DEVELOPMENT.

During the past 24 hours the anticyclone over Scandinavia remained almost stationary. A depression moved east along the English Channel, and filled slowly. A further deep depression moved east then northeast into the western approaches. Frontal troughs moved north across the south of the British Isles. During the next 24 hours, the

anticyclone over Scandinavia is expected to persist. The deep low in the western approaches will move northeast towards the Bristol Channel. Associated frontal troughs will continue to move north across the British Isles.

Issued at midday WEDNESDAY 7 DECEMBER 1977

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

OBSERVATIONS at 00h.										OBSERVATIONS at 06h.										OBSERVATIONS during NIGHT									
7 December 1977										7 December 1977																			
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RR T _n F	T _g T _g	WEATHER							
																							21h.—03h.	03h.—09h.					
Boscombe Down	746	83606	56506	92005	872//	04119	88704			746	80908	10505	92504	870//	04806	84700	88702		746	97041	04	d _o -d _o	d _o d _o ffr _o ff						
Hurn	862	73508	30206	92105	762//	05224	83704	87707		862	80606	23102	91805	861//	05812	85701	88702		862	01051	04	d _o d	r _o r						
Manston	797	80714	24615	91006	870//	06811	83701	88702		797	80103	15106	92007	860//	07213	88701			797	07061	03	rrr _o r _o	ff						
Gatwick	776	83504	34216	90006	872//	05305	81703	88704		776	80403	16506	92505	870//	05304	84701	88702		776	02051	05	r _o r _o r _o d _o -d _o r _o	r _o d _o d _o ff						
Kew										775	80708	35505	92705	872//	04104	86705	88706		775	03051	05	r _o r _o r _o r _o id _o	id _o						
Heathrow	772	80413	56586	91505	872//	05207	82705	86706	88708	772	80707	40106	92805	862//	05002	86704	88705		772	94051	05	r _o r _o d _o r _o d _o d _o	d _o d _o						
Honington	586	80613	20606	94103	872//	03701	83703	88704		586	80610	24506	95003	871//	03310	88702			586	01031	03	d _o rr _o r _o	r _o -d _o r _o d _o d _o						
Wattisham	590	80713	25596	93404	871//	03704	88702			590	80613	19515	94203	870//	03308	85700	88701		590	01031	03	d _o -d _o r _o dr	d _o d _o						
Gorleston	497	80924	48616	95304	874//	03703	88710			497	80724	60026	95004	874//	03705	88710			497										
Aberporth	502	71213	60052	92004	754//	02011	84710	87640		502	81320	60052	89104	854//	02725	83712	88633		502	97031	02	+	ir _o						
Filton	628	80405	30506	93504	872//	03214	84704	88706		628	80911	25105	92304	872//	04615	86703	88705		628	92041	03	d _o r _o d _o r _o d _o d _o	d _o						
Rhoose	715	80512	58052	92604	861//	03210	81702	88705		715	80616	20106	90604	861//	04818	88701			715	92031	03	d _o r _o	ir _o f						
Hartland Point	703	81713	60026	90606	853//	06304	84707	88625		703	81122	58032	87105	872//	05634	88704			703	01052	04								
Mount Batten	827	80902	48516	91608	873//	07110	87709	88711		827	80911	50605	87408	653//	08735	83709	83620	88460	827	11071	05	r _o rd _o d _o	ir _o rRR						
St. Mawgan	817	41806	56106	91107	46200	07108	81704	84707		817	81415	60601	86008	853//	07737	82707	88620		817	09062	01	+	Rr						
Scilly	804	01906	81011	91008	00900	06803				804	81123	65636	81410	873//	10765	88708			804	10082	04	+	irRR						
Culdrose	809	22505	70016	91308	25400	06004	81712			809	81214	50636	85109	870//	08739	83701	83704	85708	809	14052	03	ir _o	irrrRR						
Guernsey	894	52317	78016	93409	58432	07111	83711	84820		894	81514	59586	90109	852//	09824	84703	86705	88612	894	04092	07	+	ir _o d _o r _o r _o r _o rr						
Elmdon	534	80612	45506	94203	862//	02004	82703	88704		534	80609	45587	93702	872//	02511	86703	88704		534	01011	01	r _o d _o d _o d _o r _o	d _o d _o -r _o rr _o s _o d _o						
Cardington	559	80612	15616	93404	873//	04102	88706			559	80510	20616	93803	872//	03803	88703			559	03031	03	rr _o r _o	d _o r _o -r _o r _o id _o						
Wittering	462	80616	35216	95303	862//	02501	83703	88704		462	80614	12516	95403	860//	02000	88701			462	01021	02	rrr _o r _o	d _o r _o d _o d _o						
Watnall	354	80615	20586	96303	861//	02304	88702			354	80614	50056	95302	864//	01804	88712			354	01021	01	r _o r _o d _o r _o d _o r _o	d _o d _o						
Shawbury	414	80808	48616	94703	873//	02002	86706	88709		414	80812	22516	93103	871//	02818	83702	88703		414	01021	02	r _o r _o ir _o	ir _o d _o d _o						
Finningley	360	80812	65022	97003	854//	05004	88615			360	80911	75022	97003	855//	51303	88629			360	00031	01	+	+						
Spurn Point	396	70928	68031	97704	756//	01301	87630			396	20923	70021	97704	20970	00307	82360			396			+	+						
Leeming	257	70906	70012	99804	755//	05000	82622	87630		257	80910	57808	98803	854//	02504	85610	88620		257	92011	53	+	ps _o pr _o s _o pr _o						
Tynemouth	262	71225	69022	01106	756//	01400	87630			262	81029	69028	99406	4267//	02709	84830	88358		262	97051	03	pr _o	pr _o						
Carlisle	222	71113	60601	99304	754//	01102	84719	86623		222	71011	61036	97503	754//	01605	82715	86624		222	97021	53	r _o	+						
Valley	302	80717	57606	92504	856//	02801	88630			302	70815	70016	90404	35638	01817	83630	84362	87270	302	97031	01	ir _o	+						
Ringway	334	80614	58606	96103	853//	01000	87709	88635		334	80916	70686	95003	854//	51803	84616	88624		334	97031	02	d _o -r _o	r _o s _o						
Squires Gate	318	51019	62012	96304	55500	01001	82625	84650		318	81018	70602	94904	856//	01710	83630	88646		318	97031	01	+	r _o						
Ronaldsway	204	81029	64212	95205	854//	01804	83619	88626		204	81028	65610	93604	854//	01813	81711	83715	88620	204	95041	02	r _o r _o	r _o r _o						
Mull of Galloway	131	41228	74011	96105	45600	00104	84630			131	81526	80021	94305	856//	00815	88630			131	00041	02								
Eskdalemuir	162	80610	60237	00402	854//	51804	82714	88622		162	80310	65227	98901	855//	51707	82625	88638		162	92001	52	r _o s _o	r _o s _o						
Prestwick	135	10711	70011	99403	15701	51002	81650			135	30712	75030	98102	10931	51504	81362	83070		135	00013	01	+	+						
Abbotsinch	140	60813	70011	00404	656//	51002	86634			140	60811	70031	98603	656//	01605	81630	86640		140	00031	00	+	+						
Leuchars	171	70921	64808	02705	784//	01704	81710	83818	87630	171	20920	66028	0030																

ISSN 0307-2541

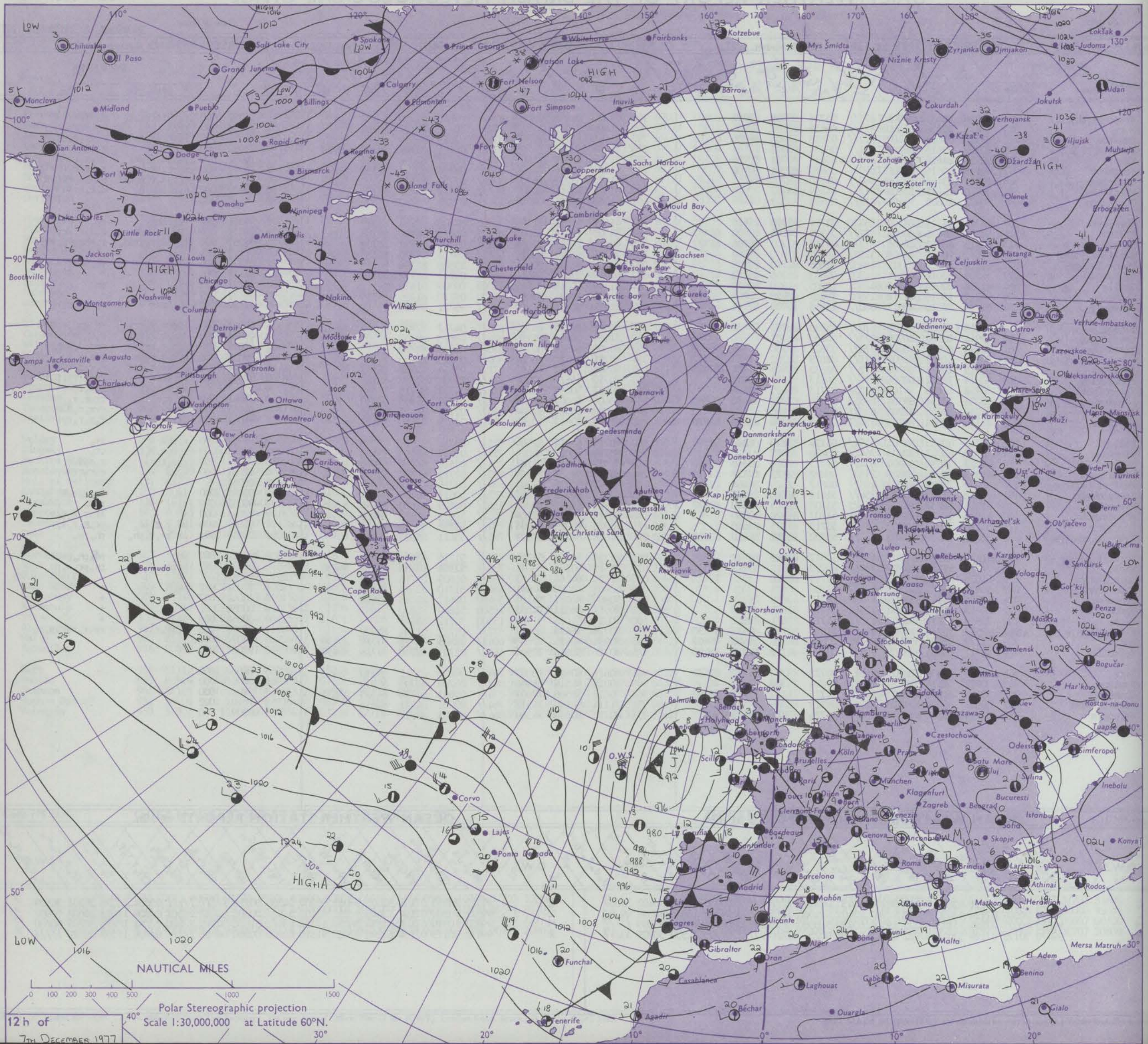
Date of Issue

THURSDAY 8 DECEMBER 1977

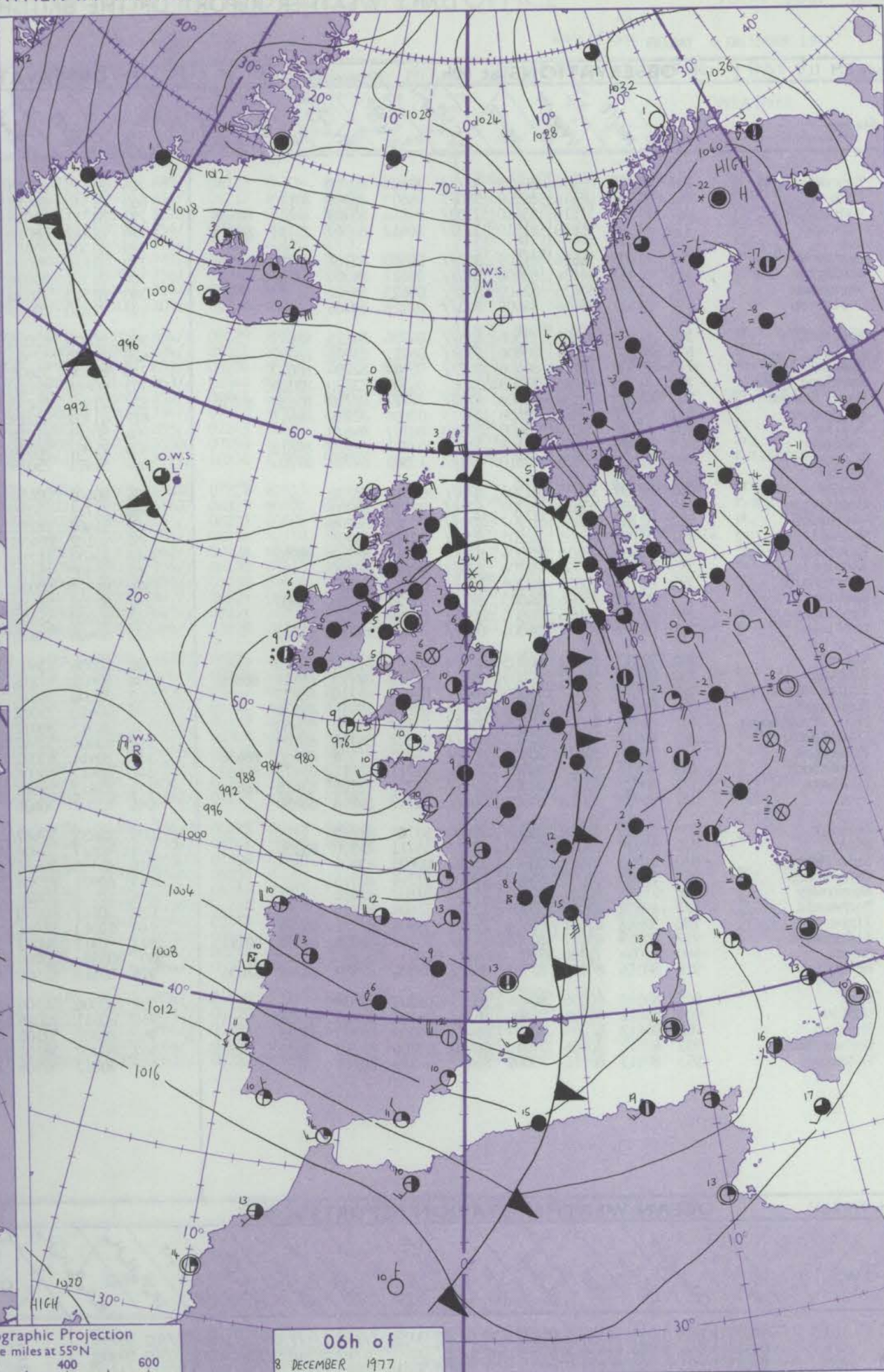
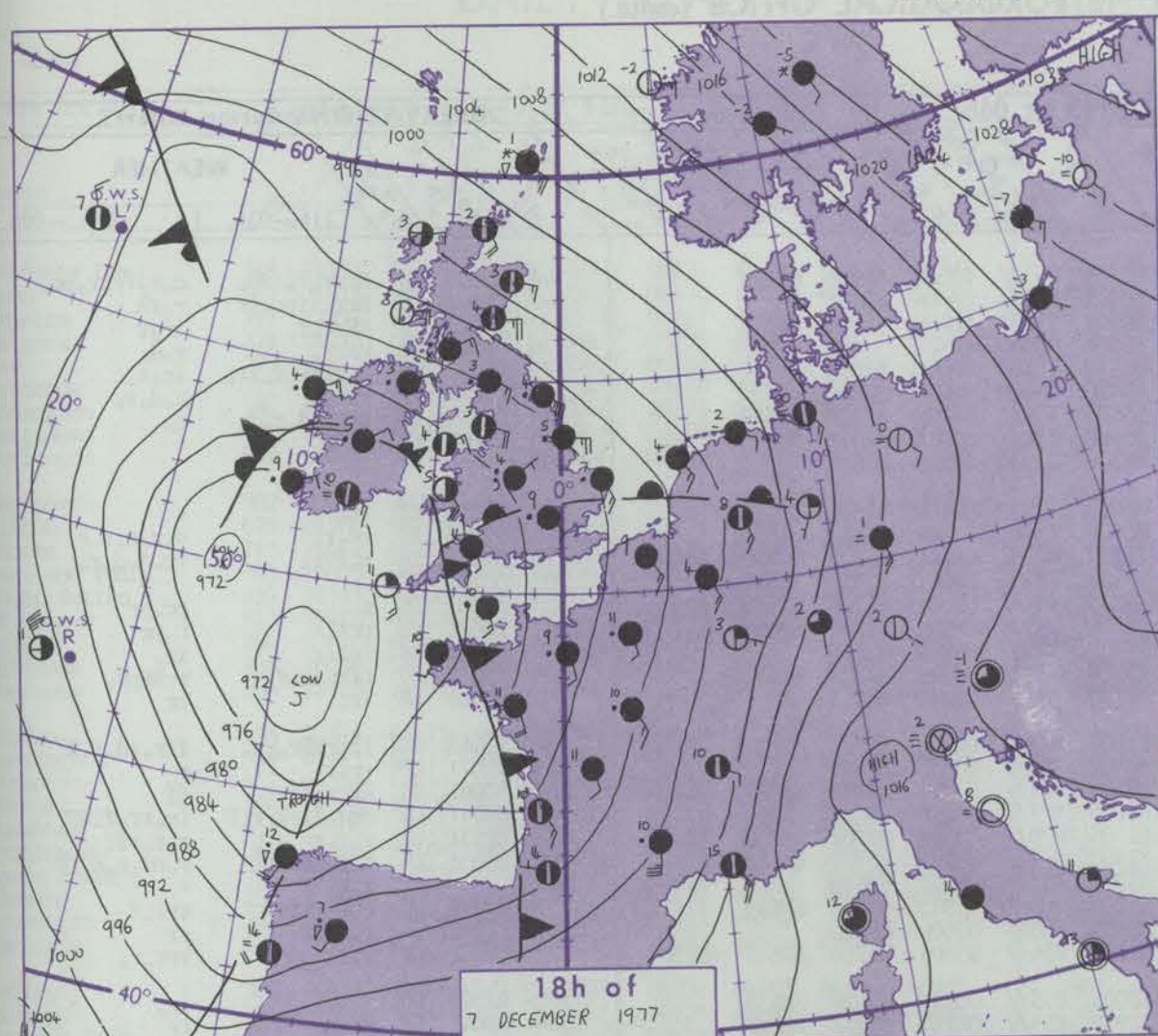
Code FM 21.V	OCEAN WEATHER STATION REPORTS at 12h.															OCEAN WEATHER STATION REPORTS at 18h.														
O.W.S.	99L ₁ L ₂ L ₃	QcLoLoLoLo	YYGGiw	Nddff	VVwwVV	PPPTT	N _h C _L hC _M C _H	D _S v _S app	8N _S Ch _S h _S	8N _S Ch _S h _S	OT _S T _S T _d T _d	IT _w T _w T _w T _T	3P _w P _w H _w H _w	dwd _w P _w H _w H _w	O.W.S.	99L ₁ L ₂ L ₃	QcLoLoLoLo	YYGGiw	Nddff	VVwwVV	PPPTT	N _h C _L hC _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	IT _w T _w T _w T _T	3P _w P _w H _w H _w	dwd _w P _w H _w H _w	
C	99527	70355	07121	62809	98028	98204	43450	00304	////	////	05652	10754	30403	30007	C	99527	70355	07181	32605	98011	96704	24550	00710	////	////	05654	10755	30201	30109	
L	99570	70207	07124	63610	98012	92907	22401	81106	83815	86075	0//01	11010	30302	99/07	L	99571	70208	07184	73416	98252	93107	53437	00302	84817	36362	0//04	11022	30603	09907	
M	99652	10027	07124	71133	97272	19504	68430	31606	83818	85623	0//51	10773	30609	////	M	99653	10030	07184	81133	96858	17803	894//	31810	84915	86620	0//51	10771	30709	00/00	
R	99470	70172	07124	53443	97022	84711	43502	00254	83820	////	0//05	11350	30709	33817	R	99472	70173	07184	63244	97028	91310	62400	00240	86816	////	0//06	11355	30720	////	

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

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

A deep depression in the western approaches moved slowly northeast to near the Scillies during the past 24 hours, and frontal troughs moved north across the British Isles. A cold pool moved northwest across the Northern Isles in the circulation of the stationary anticyclone over northern Scandinavia. A shallow secondary depression formed off the coast

of northeast England. During the next 24 hours the depressions over the British Isles will fill to become a shallow feature as a further deep depression moves east in mid-Atlantic. The anticyclone over northern Scandinavia will move slowly east.

Issued at midday **THURSDAY 8 DECEMBER 1977**

No.

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

All time

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

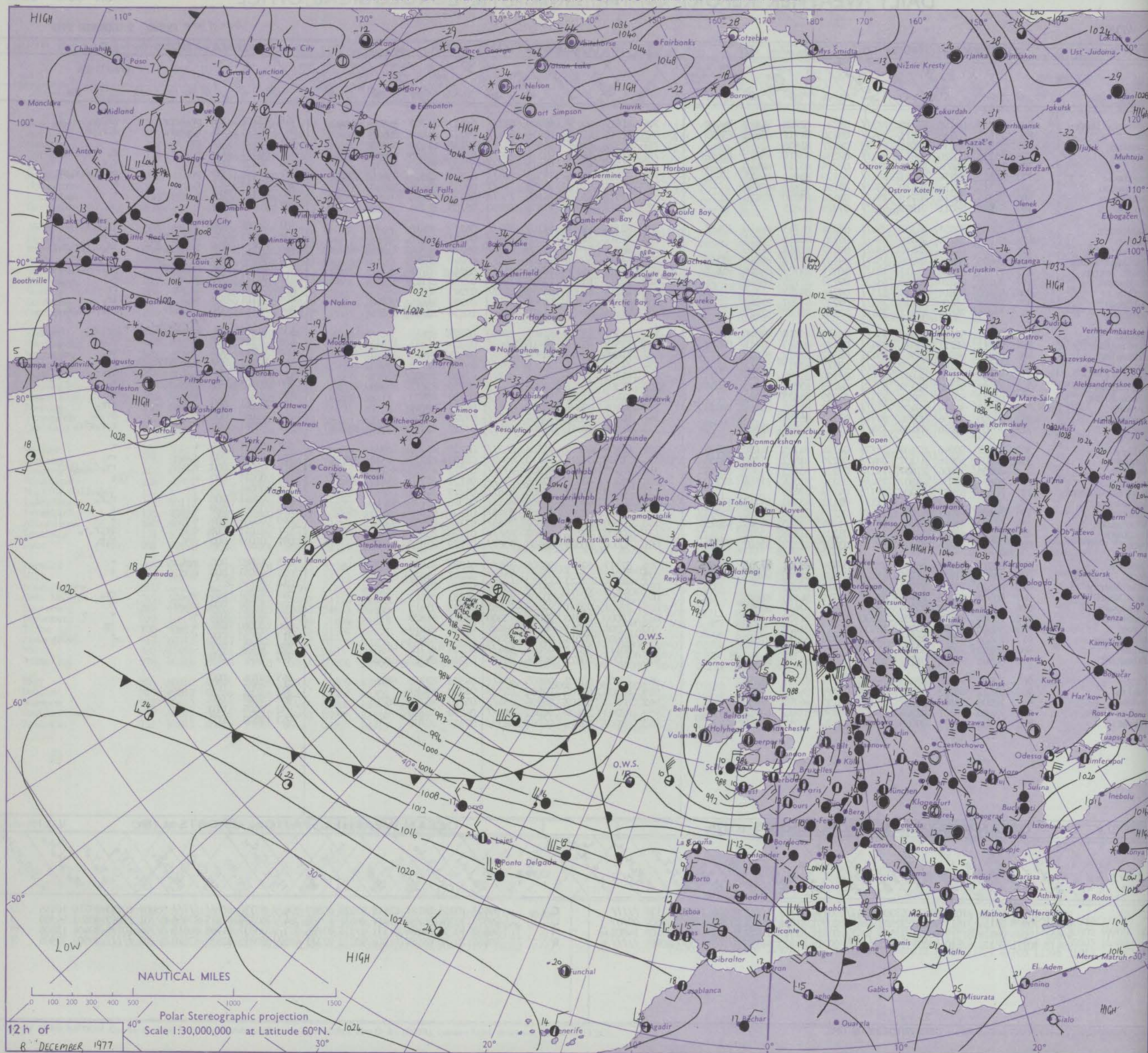
ISSN 0307-2541

No. 42386

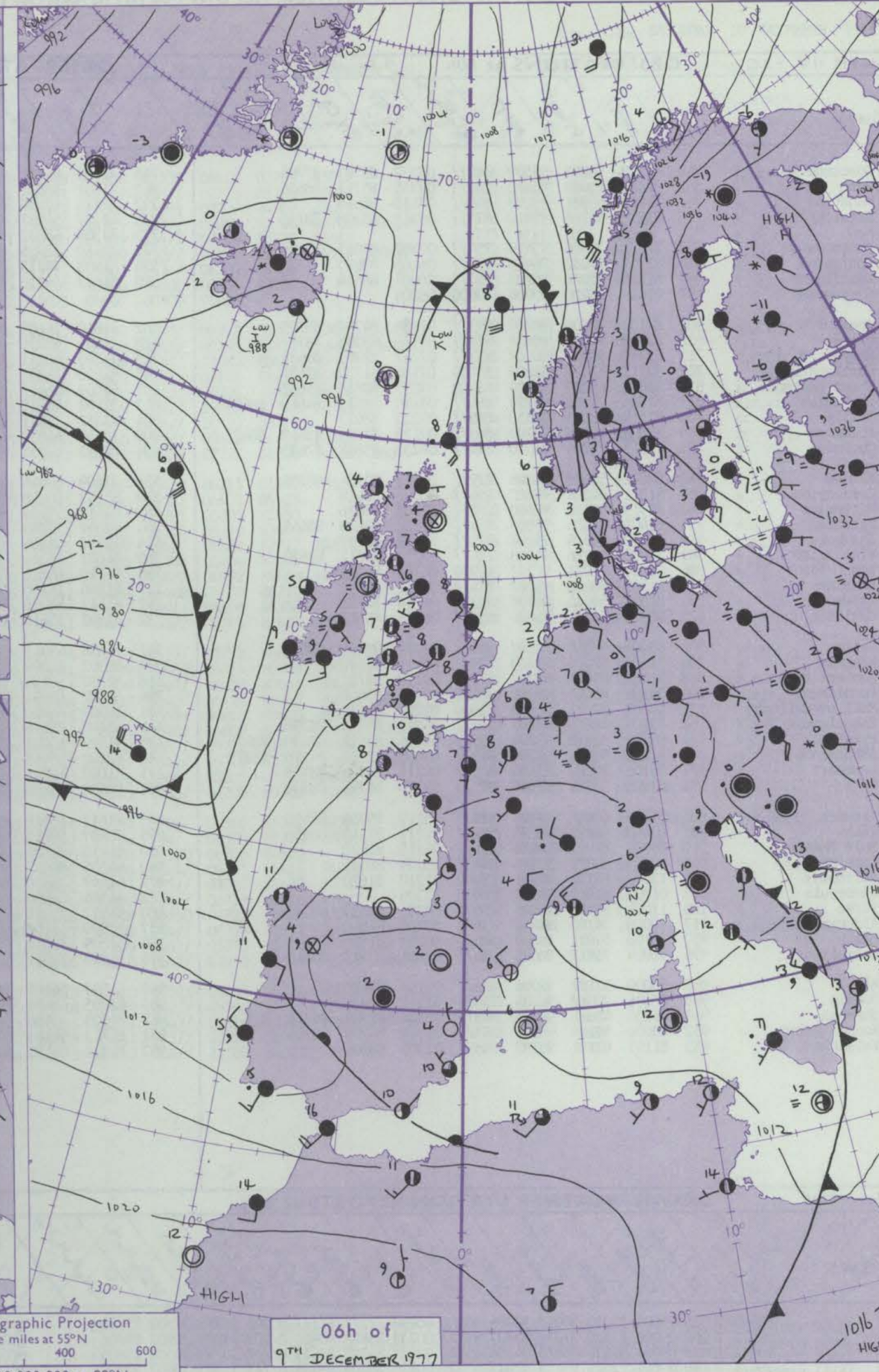
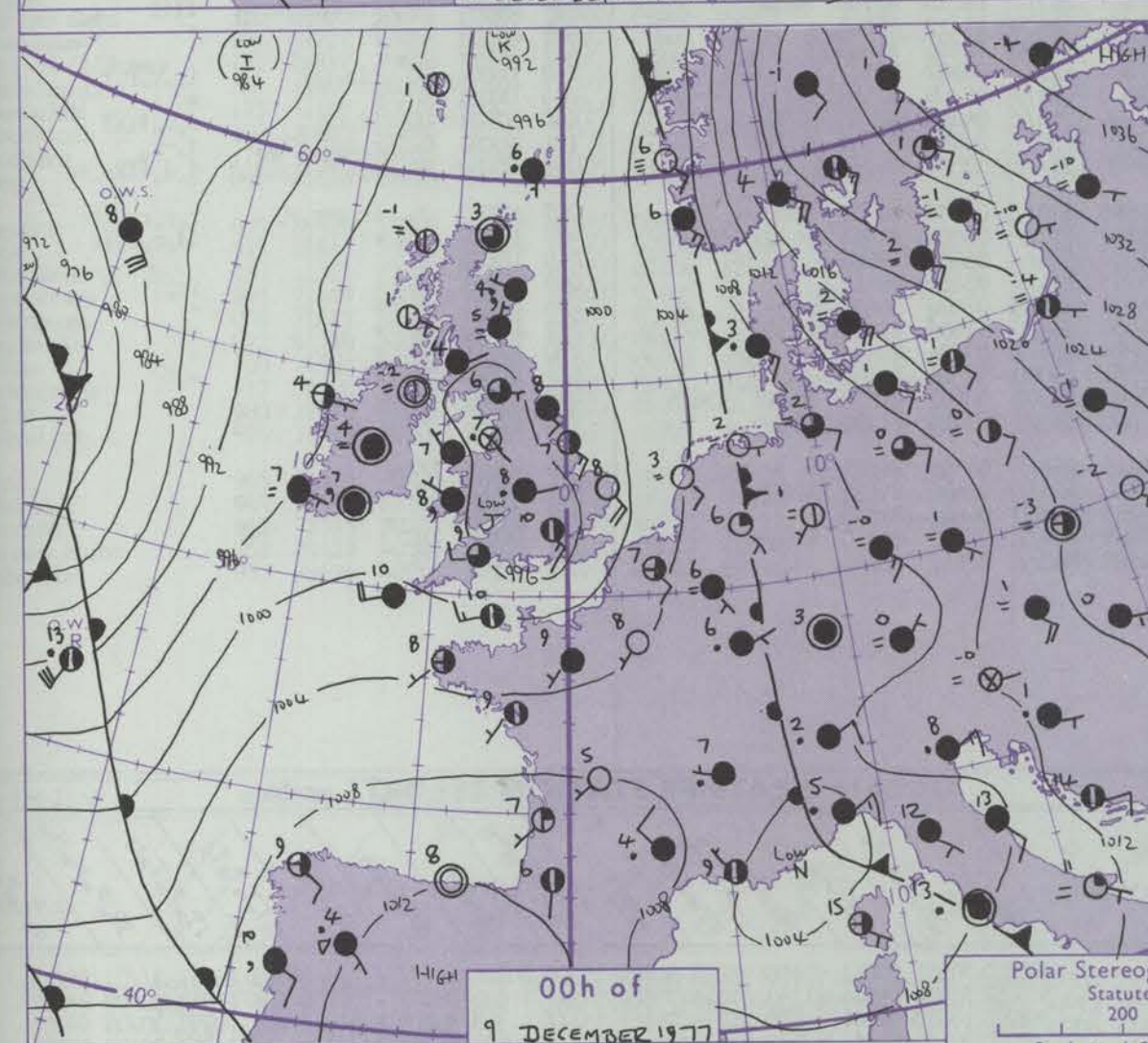
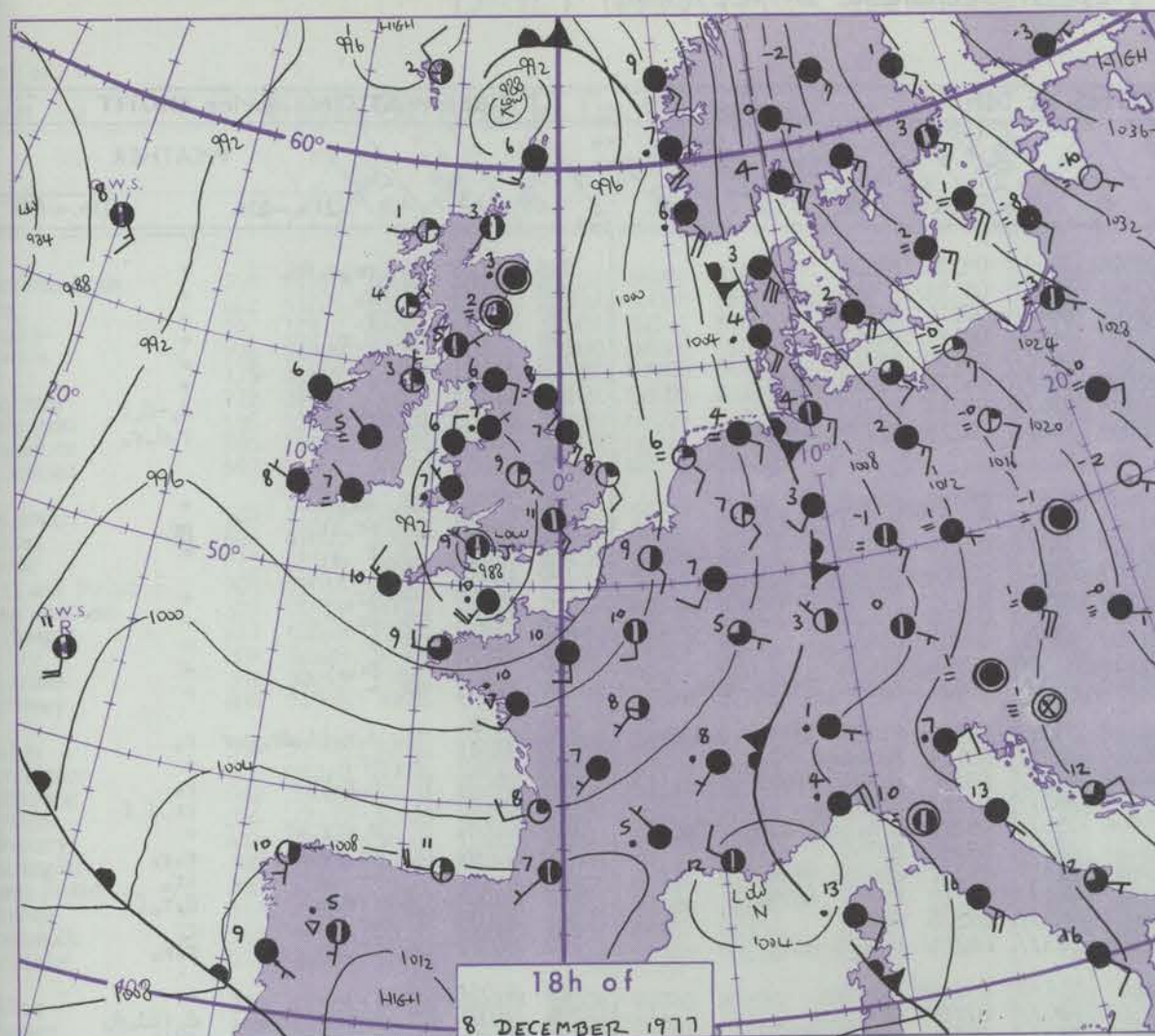
Date of Issue FRIDAY 9 DECEMBER 1977

OBSERVATIONS at 12h. 8 December 1977										OBSERVATIONS at 18h. 8 December 1977										OBSERVATIONS during DAY				
Code FM 11.V	Station	iii	Nddff	VVwwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT x T x F	SSS	WEATHER	
																							09h.—15h.	15h.—21h.
Boscombe Down	Hurn	746	71717	60258	87110	783//	08231	82708	84813	86640	746	81617	60258	90709	883//	08217	84709	84815	88640	746	05101	001	pr.prpr.	pr.pr
	Manston	862	71618	65038	87011	754//	08130	81712	85635	87645	862	81515	62216	90410	854//	09217	84619	88625		862	04111	000	r.prpr.	d.r.pr
	Gatwick	797	21921	75036	92012	15732	08227	81656			797	51612	62031	96909	15731	07231	81650	84075		797	93121	042	rr.	+
	Kew	776	81715	66026	89911	884//	08234	83814	85617	88626	776	71721	65022	93211	756//	07117	82635	87645		776	93111	000	+	r.
	Heathrow	775	81813	70606	89311	854//	08228	85715	88640		775	71713	68216	93511	755//	07222	83620	87632		775	94121	000	r.	r.
	Honington	772	71612	68256	89211	784//	08130	86815	86645		772	71514	65258	93511	785//	07223	82820	84626	87642	772	95121	000	pr.	pr.r.d.r.dr
	Wattisham	586	81714	60216	90410	784//	09124	81810	87650		586	71511	65032	95709	756//	07228	83636	87650		586	92111	011	r.	+
	Gorleston	590	71714	70016	90710	754//	08128	83710	87650		590	71512	65031	96109	756//	06230	87640			590	97111	010	r.	+
		497	61824	58011	91809	655//	07229	86625			497	21512	60020	97608	20930	06233	82358			497		016		
	Aberporth	Filton	502	70000	70031	86307	754//	05234	81715	84630	87656	502	83307	58616	91107	854//	06229	88616			502	01081	000	ir.
Rhoose		628	81709	58256	86010	884//	09131	86812	88625		628	81512	56808	90209	884//	09321	85810	88618		628	02111	000	d.r.pr.	pr.pr.
Hartland Point		715	71407	64216	84610	784//	08132	81814	86640		715	80908	57606	89009	852//	09224	82704	85705	88622	715	01111	004	ir.d.r.d.r.	id.d.r.r.r.r
Mount Batten		703	70605	80216	83009	5547	09135	81710	85645	87360	703	83312	59216	90108	863//	08245	88708			703	96101	000		
St. Mawgan		827	71511	57808	82211	783//	10121	83709	84816	85635	827	83214	56508	89910	852//	08361	83705	86707	88620	827	09121	006	pr.prpr.	pr.prpr.d.r.
Scilly		817	70408	65028	82510	68231	09233	81705	86640		817	73315	65028	92009	784//	07253	82711	87813		817	91111	000	pr.r.	+
Culdrose		804	83620	60616	85110	873//	09266	88707			804	83213	80026	94710	855//	07243	88623			804	03111	007	ir.r	rr
Guernsey		809	70208	58108	82010	783//	09239	81707	87640		809	53315	60056	92709	55500	07259	81624	85640		809	97101	000	ir.	ir.
		894	71825	74021	87311	754//	07230	82617	87625		894	82125	50626	91810	871//	10236	83702	87704		894	02111	001	ir.irir.	r.r.r.r.r.r.
Elmdon		Cardington	534	71511	62215	86610	754//	08128	85710	87640		534	31307	65018	91609	25440	07228	82615			534	01101	001	ir.r.d.r.pr.
	Wittering	559	81711	68211	89011	854//	09227	82615	84618	88622	559	71512	60216	93810	6563//	08329	86631	87360		559	91111	001	r.	r.pr.
	Watnall	462	61513	68018	88910	5543	08127	82712	85622		462	71409	60028	93909	755//	08229	84626	87640		462	93111	005	pr.	pr.
	Shawbury	354	81508	56106	88209	854//	09325	87711	88618		354	71507	58056	93209	754//	08231	82718	87640		354	02101	000	d.FFIRFFr.	ffrr.
	Finningley	414	83606	12216	86607	871//	07120	84702	88705		414	81305	18286	91308	862//	07228	82703	88711		414	04081	000	r.d.r.r.rff	r.r
	Spurn Point	360	71408	56106	88309	65472	08123	83713	83625	85650	360	71307	56046	93009	754//	08130	83615	85630	87650	360	03101	001	frRd.r.dr	+
	Leeming	396	61212	60025	89607	4557	06229	84625	86360		396	81416	63032	94007	855//	06230	88625			396			id.	+
	Tynemouth	257	83302	36006	89406	852//	05132	82705	86614	88625	257	93406	05476	93206	97//	06225	89701			257	03061	000	r.r.d.	ffr.
	Carlisle	262	60000	56056	90006	6094	05243	86358			262	80102	56506	93407	863//	07221	88708			262	01082	001	rr	ddid.
		222	70705	60036	89106	755//	05233	82620	87640		222	81110	58616	92706	854//	05220	82712	85625	88645	222	95061	000	r.	r.r.rir.
Valley	Ringway	302	70412	50046	87107	55232	06234	84705	84630	86075	302	83608	40042	91308	863//	06226	82706	88708		302	00091	024	+	+
	Squires Gate	334	80707	50616	87307	7842	06226	81812	87620	88458	334	71508	58216	91710	4547	08228	82715	84620	87459	334	04101	000	d.drr	rr.
	Ronaldsway	318	80808	57606	87607	7557	07228	83622	87640	88459	318	80405	26606	91307	873//	07222	85709	88712		318	05081	000	r.rir.	rr.d.r.d.ff
	Mull of Galloway	204	70605	80036	88507	754/8	05230	82714	87616	87270	204	70306	62022	92106	754//	04121	81710	83630	87638	204	00071	000	+	+
	Eskdalemuir	131	80510	82022	89006	855//	04228	88625			131	80209	70022	92805	856//	04219	88630			131	00061			
	Prestwick	162	73505	70015	89704	753//	02133	83708	86711	87625	162	80211	61022	93804	863//	03318	85706	88714		162	92041	000	+	r.r.
	Abbotsinch	135	70405	59042	89904	45635	02223	81630	83650	87072	135	70507	62022	93705	6543//	02118	81618	84624	85642	135	00061	009	+	+
	Leuchars	140	62502	70046	89305	15732	01124	81650	83360	85075	140	70000	40101	93602	7563//	01119	82635	86650		140	00051	004	+	+
	Dyce	171	62209	80016	89206	28532	03231	81824	85072		171	60000	58102	94602	656//	01226	83632	86650		171	01071	016	r.r.	ir.r.r.
		091	72810	80216	87805	25478	03327	81712	85460	87070	091	80000	40602	95603	2567//	01229	82630	87360		091	02051	000	rrr.	r.r.
Lerwick	Wick	005	80919	50637	86706	870//	05358	83701	83703	88705	005	82117	60036	92806	884//	04283	84815	88620		005	14082	000	rrd.r.	+
	Sule Skerry	075	73308	81616	87105	6542	03508	81710	84615	85635	075	72202	80026	95003	755//	02241	85626	86650		075	95051	000	r.r.	+
	Cape Wrath	010	80520	70208	89906	855//	04615	88625			010	33207	82021	94105	35500	03229	83625		010	93071				
	Stornoway	049	80515	80808	89405	884//	04712	86815	88620		049	30502	81018	93705	35400	04233	83615			049	97051	001	pr.	pr.
	Benbecula	026	73410	75028	90904	754//	03806	83615	86635		026	32701	70031	94001	35401	01318	83615			026	97051	000	pr.ir.	+
	Tiree	022	13506	82020	92503	18500	00304</																	

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

During the past 24 hours an anticyclone over northern Finland remained stationary. A depression near Lands End filled as it moved eastwards over Cornwall and then across the Midlands, to become a shallow trough over northeast England by this morning. Another low off the coast of northeast England moved rather quickly north over the North Sea.

During the next 24 hours the anticyclone will move slowly south over Finland. An intense depression in mid North Atlantic will move slowly northeast whilst the associated frontal trough will cross Ireland and move into Scotland, Wales and western parts of England by tomorrow morning.

Issued at midday FRIDAY 9 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h.										9 December 1977		OBSERVATIONS at 06h.										9 December 1977		OBSERVATIONS during NIGHT									
Station		iii	Nddff	VVwwwW	PPPTT	N _h Ch _h CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwwW	PPPTT	N _h Ch _h CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT _n E	T _g T _g	WEATHER												
																								21h.—03h.	03h.—09h.										
Boscombe Down		746	72410	58208	95509	762//	08237	85703	87709		746	72109	64031	02506	756//	05226	87635				746	02051	03	pr _o r _o Rd _o	+										
Hurn		862	82414	65038	96910	854//	09355	85714	88635		862	71702	65031	03007	756//	06123	87640				862	95071	03	r _o	+										
Manston		797	81615	65031	99209	854//	07110	88616			797	82113	62036	02709	864//	07216	88710				797	97071	05	r _o	+										
Gatwick		776	82015	60216	95910	873//	08311	85708	88710		776	42107	59031	02307	46400	06227	84713				776	97041	51	d _o r _o	+										
Kew											775	82308	65032	01809	864//	06130	88713				775	00051	51	+	+										
Heathrow		772	71613	70026	95410	754//	09302	85615	87624		772	82410	65026	02008	864//	06232	82710	88712			772	97071	03	r _o	+										
Honington		586	81311	65032	98409	855//	06105	88625			586	81808	70215	00509	854//	08214	86710	88622			586	97081	06	ir _o d _o	d _o -d _o r _o										
Wattisham		590	81318	65021	98208	854//	06003	88616			590	81812	56216	00809	853//	08216	82709	88614			590	92071	07	+	r _o d _o r _o										
Corlestone		497	01619	66020	99908	00900	06204				497										497														
Aberporth		502	83103	30506	97208	873//	07236	84707	88709		502	71810	56105	99407	756//	06106	87640				502	97061	02	id _o	+										
Filton		628	82704	57258	95808	872//	08333	83703	88707		628	71904	60036	01907	783//	07121	82709	84813			628	94051	04	pr _o ir _o	pr _o										
Rhoose		715	62712	56106	96407	653//	07237	82707	86630		715	71705	62011	01207	754//	07116	87619				715	02071	05	r	+										
Hartland Point		703	32713	83011	97809	35400	07134	81710	83635		703	82520	74031	00309	884//	08206	83815	88650			703	00080	05												
Mount Batten		827	62813	65026	99309	68400	07237	82818	85632		827	62509	65011	02310	68400	07216	82818	84650			827	97091	04	ir _o	+										
St. Mawgan		817	82706	75022	99209	884//	08118	82812	84618	88624	817	32108	58018	01407	35600	07106	83635				817	97051	03	pr _o	+										
Scilly		804	82618	80022	00010	855//	07220	88623			804	42312	75011	01009	45500	07802	84623				804	00091	07	+	+										
Culdrose		809	82505	40808	99709	883//	07123	82709	83812	88620	809	12410	65058	01609	15400	07206	81618				809	97081	05	pr _o	+										
Guernsey		894	72615	75026	01010	784//	06235	83818	87635		894	82212	57052	04610	853//	09221	83706	85708	87613			894	00091	07	+	+									
Elmdon		534	80802	50608	94808	872//	08113	83704	88706		534	72209	60046	00108	753//	06229	81708	83711	87615			534	01051	03	d _o r _o id _o dr _o r _o r	r _o									
Cardington		559	81311	64258	95610	854//	08002	88618			559	82312	60108	00309	863//	09129	88706				559	93061	04	pr _o	+										
Wittering		462	81313	65028	96608	855//	07108	88626			462	82412	57106	99808	852//	08224	86703	88622			462	02071	05	d _o r _o rR	r _o										
Watnall		354	81405	57106	96008	854//	07210	83618	88645		354	82307	12286	99407	860//	07217	88701				354	01071	04	r _o r	rr _o d _o f										
Shawbury		414	80000	14586	95108	873//	07216	88707			414	72107	42106	99906	754//	05222	81615	85635	87650			414	01031	51	d _o r _o r _o rf	+									
Finningley		360	71408	60256	96108	784//	07212	84817	87632		360	81002	15216	98407	872//	07110	88704				360	03061	05	pr _o pr _o d _o r _o r	r _o r _o										
Spurn Point		396	41414	70021	97207	40970	06208	84360			396	81510	66216	98807	6557//	06207	86625	88360			396			+	ir _o										
Leeming		257	81503	08606	96807	874//	07212	88712			257	81506	18206	98907	861//	07110	85702	88704			257	02061	05	rrffr _o d _o	d _o r _o ff										
Tynemouth		262	81604	56025	96708	863//	08214	88708			262	81611	56026	98607	863//	07208	88708				262	01072	06	id _o	rr										
Carlisle		222	60903	50216	95406	654//	06114	86617			222	82502	35616	97606	873//	06214	84708	88712			222	04061	04	ir _o rR	r _o r _o										
Valley		302	83403	62026	95907	854//	06218	82712	88626		302	71608	65011	98407	754//	07210	87618				302	97051	00	r _o	+										
Ringway		334	71405	60026	95610	755//	07215	87622			334	82302	10504	99207	870//	07219	88701				334	91071	06	+	d _o ffd _o d _o										
Squires Gate		318	91602	05626	95307	911//	06117	891//			318	82907	56106	98607	853//	06216	82706	88636			318	94041	02	ffir _o rd _o r _o	ffif										
Ronaldsway		204	30204	80011	95904	35600	03114	83640			204	50302	82031	98202	55600	01112	85642				204	97011	52	+	+										
Mull of Galloway		131	10203	82011	96003	15600	02208	81630			131	12307	84020	97605	15600	04106	81630				131	00021													
Eskdalemuir		162	83405	40626	96204	872//	04210	85704	88706		162	81403	25616	97306	872//	06207	88703				162	03041	03	rir _o	ir _o r _o r _o f										
Prestwick		135	80702	65022	96004	855//	04105	83622	87630	88645	135	71502	65031	97603	754//	03306	87618				135	00001	53	+	+										
Abbotsinch		140	81005	50502	96205	873//	03005	82708	84710	88712	140	82602	05465	97104	860//	04302	82700	85701	88703			140	97031	00	id _o	d _o d _o ffif									
Leuchars		171	80105	50216	97105	862//	04211	86703	88708		171	81003	17215	97207	860//	07400	83700	88704			171	95041	01	r _o r _o d _o id _o	d _o -r _o										
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DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

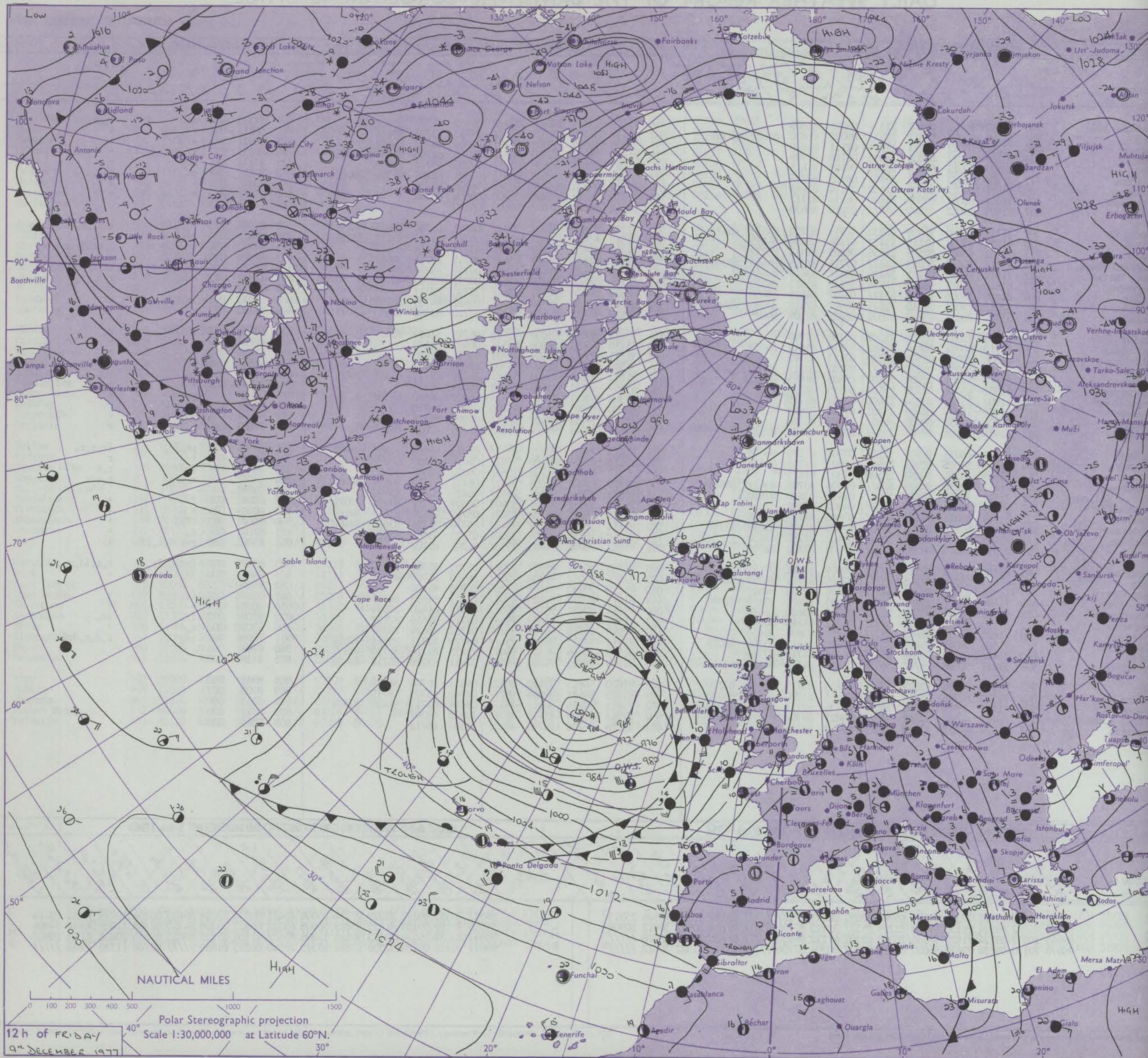
ISSN 0307-2541

No. 42387

Date of Issue SATURDAY 10 DECEMBER 1977

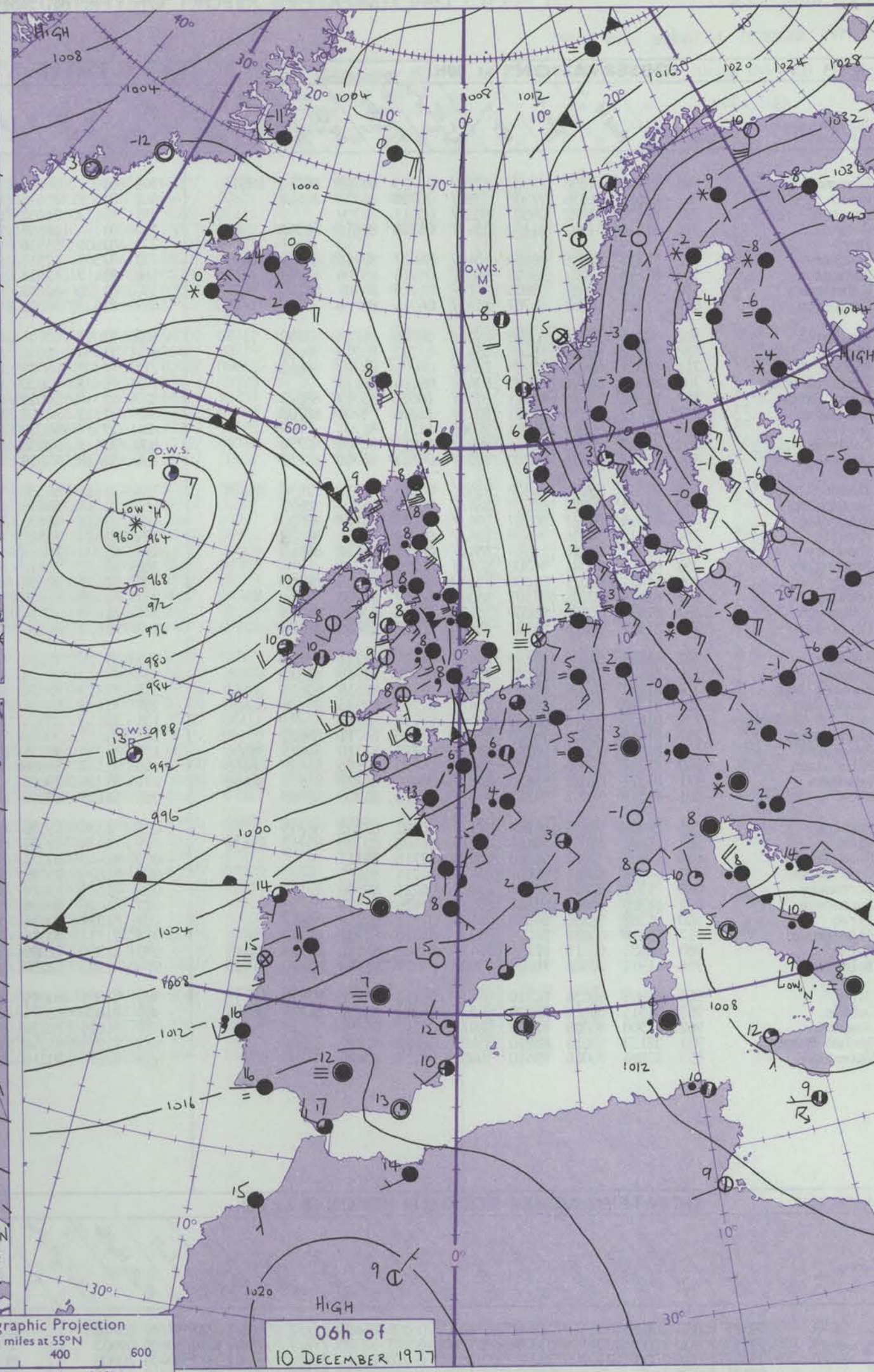
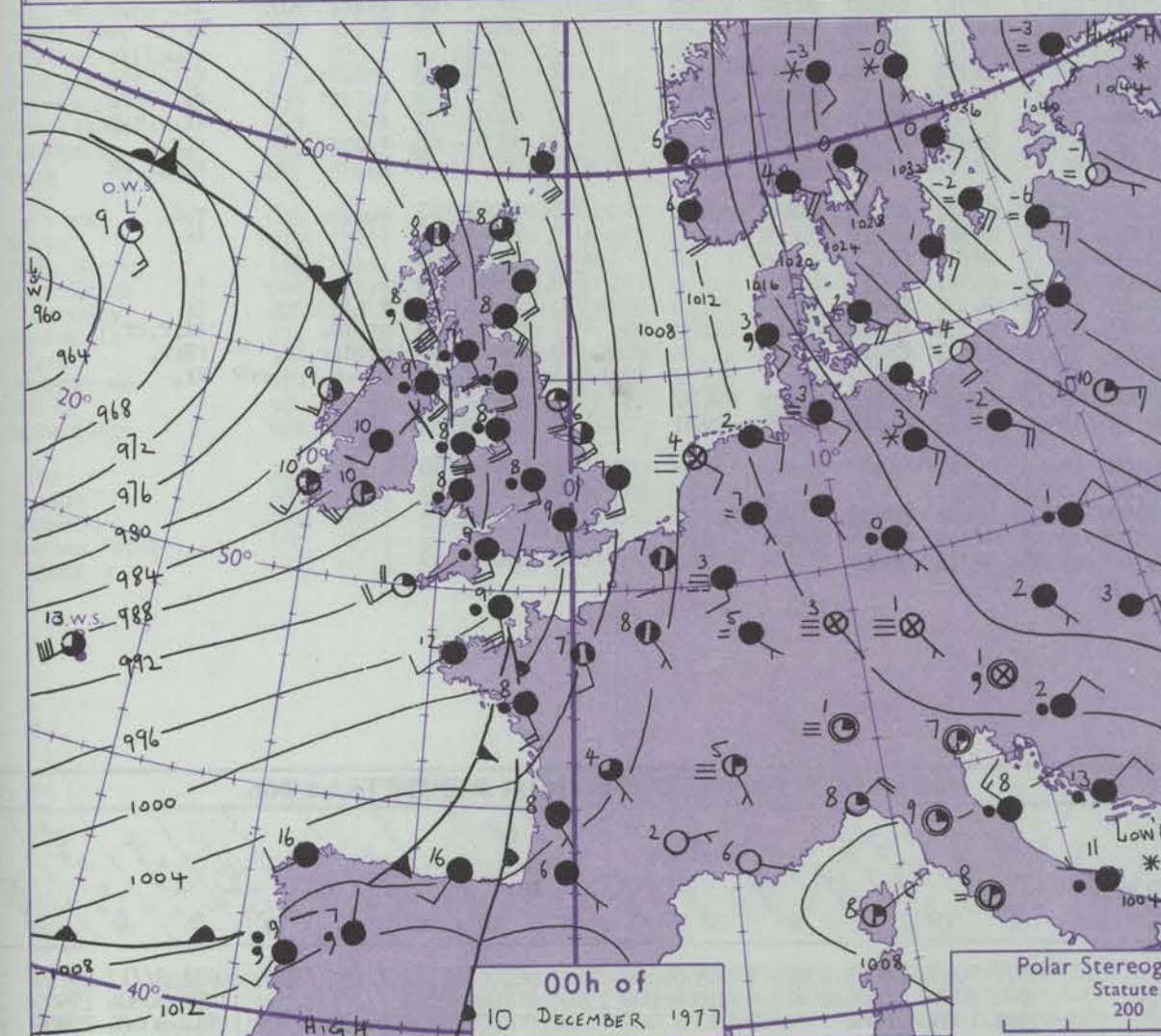
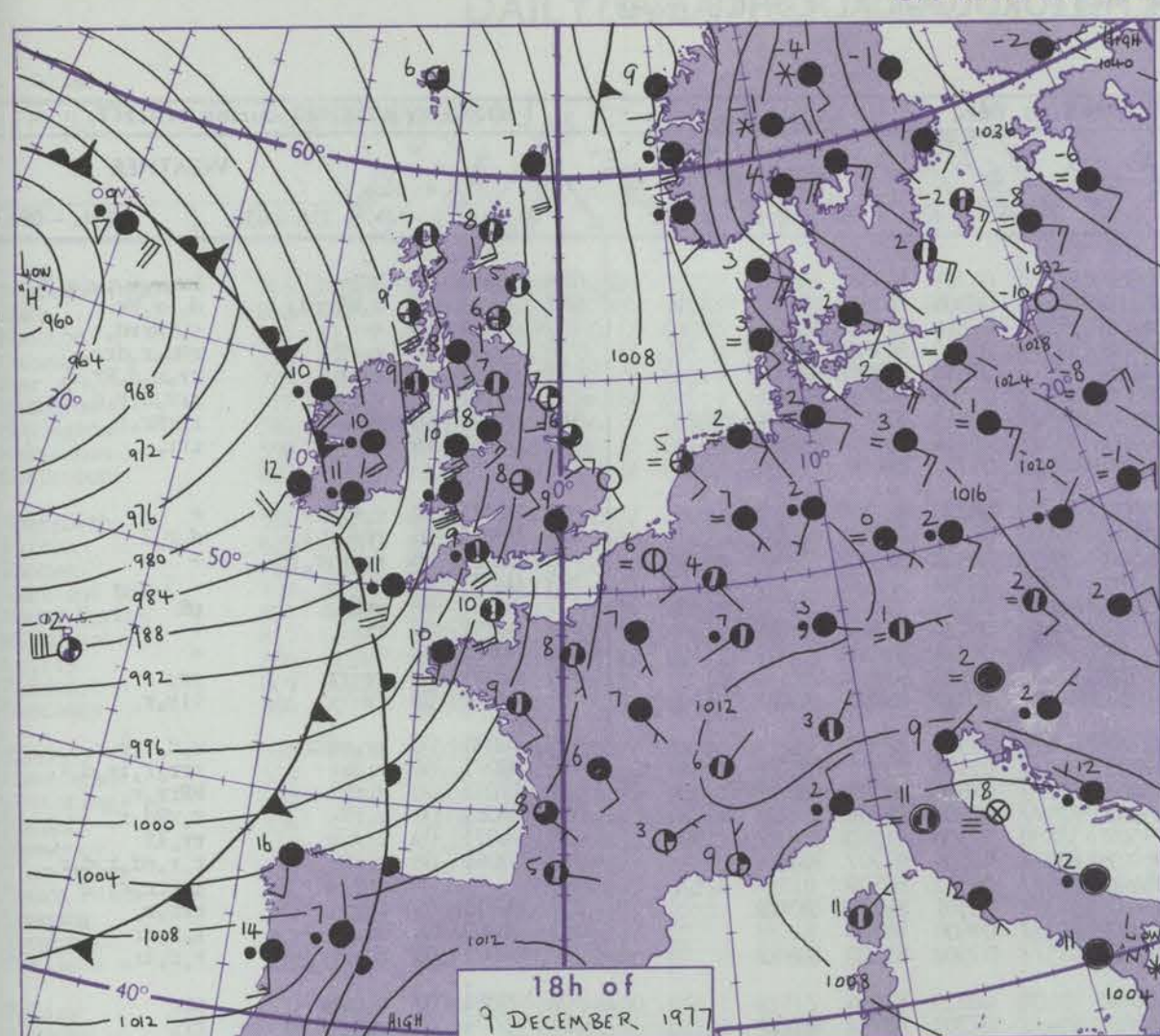
OBSERVATIONS at 12h.												OBSERVATIONS at 18h.												OBSERVATIONS during DAY											
9 December 1977												9 December 1977																							

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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.

During the past 24 hours an anticyclone over Finland has drifted south. A depression in mid Atlantic has moved steadily east with associated troughs moving across Ireland and Wales and into central and northern areas of England. During the next 24 hours the depression to the west will remain slow-moving with the troughs moving east and north

across Scotland and eastern districts of England. A shallow wave depression north of the Azores will move northeast to affect southern counties of England and Wales during the night.

Issued at midday

SATURDAY 10 DECEMBER

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

OBSERVATIONS at 00h. 10 December 1977										OBSERVATIONS at 06h. 10 December 1977										OBSERVATIONS during NIGHT				
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT _n T _n E	T _g T _g	WEATHER		
																						21h.—03h.	03h.—09h.	
Boscombe Down	746	81521	62658	97407	5732/	07723	82708	84711	88545	746	81807	58656	96009	853//	08301	84708	88640		746	24071	05	RRrrr _o	RRrrr _o	
Hurn	862	81520	56656	97908	6732/	08726	86708	88518		862	81608	60616	96610	852//	09304	84703	85612	88631	862	31071	03	r _o RRrrd _o	d _o -r _o Rr	
Manston	797	81620	62022	04607	863//	05611	88709			797	81623	56652	01107	2732/	07814	81708	88535		797	09061	06	+	r _o Rrrd _o	
Gatwick	776	81618	57042	01109	2547/	06718	82618	88362		776	81714	28596	98408	872//	07512	86705	88708		776	16072	06	r _o rR	rRd _o r _o rrr _o	
Kew										775	81609	56516	98108	873//	07614	84708	88711		775	06082	05	r _o rR	rr _o d _o d _o Rr _o r _o	
Heathrow	772	81713	70036	00609	65407	06617	82716	85622	88270	772	81507	57516	98008	873//	07509	84706	88708		772	08081	06	r _o rrRR	rrr _o d _o r _o d _o d _o	
Honington	586	81518	57021	03007	863//	05714	83706	88708		586	81417	62616	00107	853//	06615	83707	87710	88620	586	07071	06	+	r _o Rr _o r _o	
Wattisham	590	81620	56051	03006	862//	05718	84704	88708		590	81520	62636	00307	853//	06716	84706	85708	88640	590	05062	04	+	rrr _o	
Gorleston	497	81722	60031	04707	865//	06714	88720			497	81523	58022	02007	855//	05715	88620			497					
Aberporth	502	82010	58636	88608	4732/	08506	84708	88550		502	12011	65036	93009	16400	08227	81712			502	08071	02	r _o r _o Rrr	+	
Filton	628	81722	60586	95208	854//	07722	85710	88618		628	51904	70036	95409	55400	08313	81712	84620		628	08071	04	rRd _o r _o r _o	d _o r _o R	
Rhoose	715	81321	62606	92708	853//	08621	84707	88612		715	52307	68026	94509	28431	08322	81815	83360		715	03071	05	rr _o rir _o ir	+	
Hartland Point	703	81918	66616	90410	874//	09104	88713			703	02622	70020	93710	00900	09322				703	04091	07			
Mount Batten	827	81928	56616	92511	5732/	10516	85707	88513		827	02512	50018	95911	00900	09223				827	12091	08	rrRr _o	pR	
St. Mawgan	817	82112	62216	91311	862//	11216	83704	88708		817	52211	56102	95109	58400	09220	83812	83620		817	06091	06	rr	+	
Scilly	804	22319	60016	91011	26300	11319	82707			804	12317	65020	95511	15400	09224	81619			804	00101	08	+	+	
Culdrose	809	82413	40106	91711	862//	11215	84704	88708		809	32515	40258	95910	32400	09223	83814			809	05091	08	rrir _o	pr _o	
Guernsey	894	81728	40636	97209	873//	08517	86706	88710		894	52418	60019	98811	5623/	10319	83703	84710		894	11081	08	rr	tlr _o r _o	
Elmdon	534	81517	59626	96808	7542/	06622	81712	87614	88460	534	81615	64586	94708	873//	07303	88706			534	08071	06	ir _o RRrrr _o	r _o d _o r _o d _o r _o	
Cardington	559	81414	60052	00008	854//	06818	85713	88617		559	81514	56616	97807	852//	07509	83705	85713	88626	559	09071	06	r _o Rrr	rrr _o r _o ir _o d _o r _o	
Wittering	462	81618	60021	00107	854//	05714	83711	88620		462	81618	45636	97607	872//	07508	86705	88707		462	11071	05	r _o rR	RRrr _o r _o	
Watnall	354	81413	58056	98408	854//	06721	87615	88623		354	81513	35586	95907	872//	07504	88704			354	07061	06	r _o rR	r _o Rd _o r _o	
Shawbury	414	81517	60616	93808	854//	06724	83712	88616		414	41707	75016	93508	35430	07306	81710	83635		414	04071	04	r _o r _o r	rr _o if	
Finningley	360	81419	58041	98308	864//	06717	88710			360	81417	56616	95907	873//	06504	83707	88709		360	05064	04	r _o rR	r _o r _o rd _o r _o d _o r _o	
Spurn Point	396	41422	66011	01006	25670	06716	82635	84360		396	81423	50636	98406	8092/	06512	88559			396			+	irrrr _o r _o	
Leeming	257	81419	50602	97507	863//	06817	88708			257	81418	45636	95807	873//	06301	84706	88708		257	09052	05	r _o r	rrr _o r _o	
Tynemouth	262	81622	56102	98008	5552/	06716	85629	88458		262	81630	61616	95307	8052/	07604	88525			262	05062	06	ir _o	r _o r _o rr	
Carlisle	222	81622	58616	93307	856//	05822	83630	88656		222	81615	60606	91808	855//	07502	85620	88650		222	01071	05	r _o r _o rr _o	r _o r _o ir _o	
Valley	302	81532	62636	87208	854//	08727	82711	88619		302	31718	72256	90609	38400	08223	82814			302	09081	07	r _o r _o rr	pr _o	
Ringway	334	81420	75606	94809	854//	05725	81715	83620	88656	334	81613	62626	94008	854//	07303	83712	88650		334	05071	05	rrr _o	rr _o	
Squires Gate	318	81522	64606	92508	4542/	06723	82618	83625	88458	318	81413	75026	92608	25517	07312	82620	86462	88270	318	03071	05	rrir _o	ir _o	
Ronaldsway	204	81324	57656	88308	854//	07725	82710	85718	88630	204	71819	65036	90009	754//	08228	84710	87614		204	08081	06	R	r _o	
Mull of Galloway	131	81635	60616	86207	874//	07728	88710			131	12138	70016	87309	18500	08356	81820			131	04071				
Eskdalemuir	162	81416	58636	94805	854//	04510	84711	88621		162	81417	56606	91506	873//	05503	84707	88709		162	06051	03	rrr _o ir _o	r _o r _o rir _o	
Prestwick	135	81523	61616	90207	854//	05723	81710	84625	88656	135	81714	59216	88509	854//	07305	84718	84624	88632	135	01071	05	r _o r _o rr	d _o r _o r _o r _o	
Abbotsinch	140	81317	62606	91108	5547/	04725	81616	85650	88460	140	81417	58606	88508	854//	06507	81710	83620	85626	140	02071	05	ir _o	ir _o r _o r _o pr _o	
Leuchars	171	81223	62022	95608	6537/	06616	82709	85650	88460	171	81324	59616	92608	853//	05615	81709	84712	88615	171	03061	05	r _o rr _o r _o	r _o r _o r	
Dyce	091	81418	38052	97207	863//	06710	81706	88708		091	81422	45056	94708	863//	06712	83708	88710		091	03071	05	r _o	r _o d _o r _o rr	
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DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

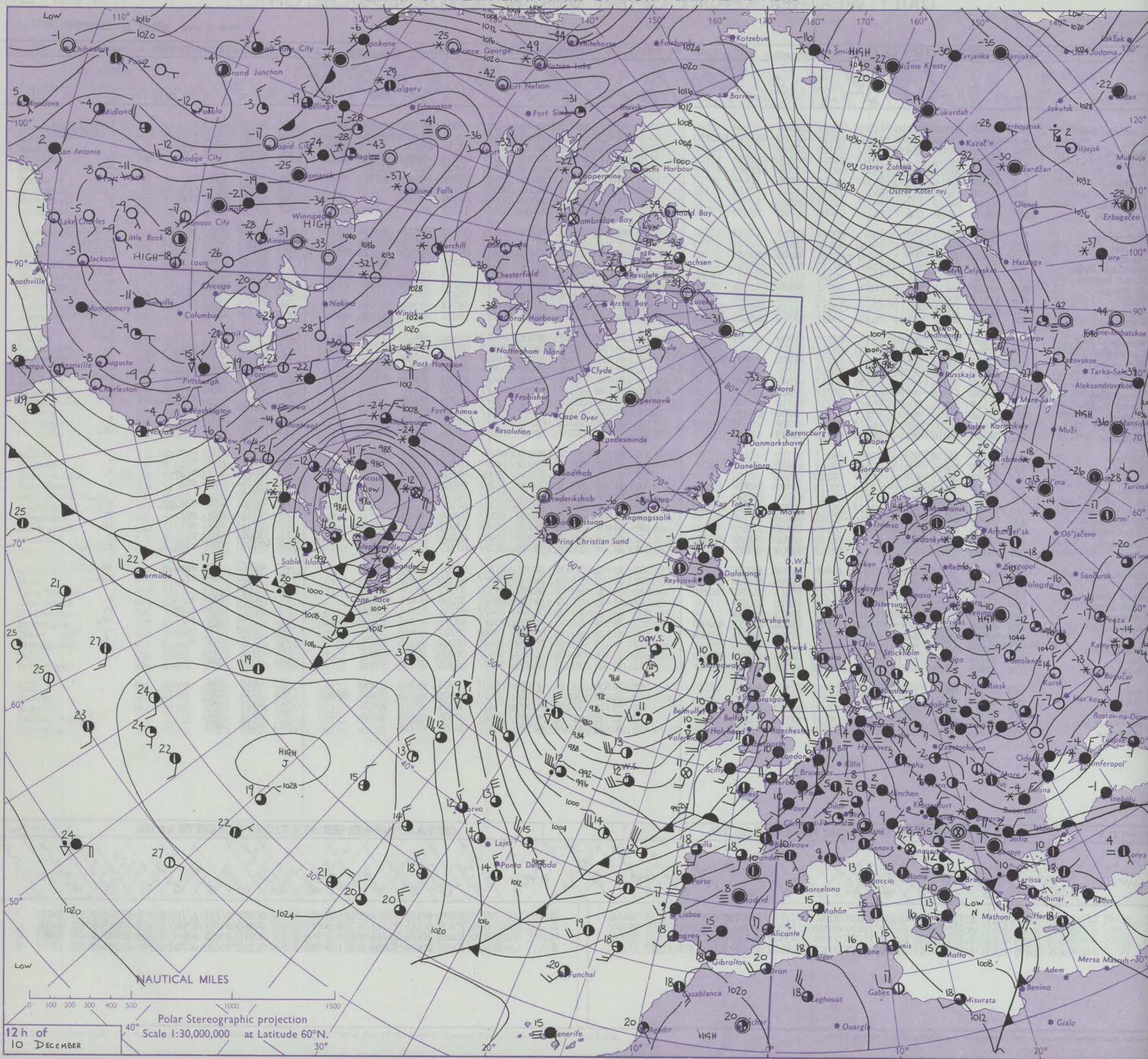
No. 42388

Date of Issue SUNDAY 11 DECEMBER 1977

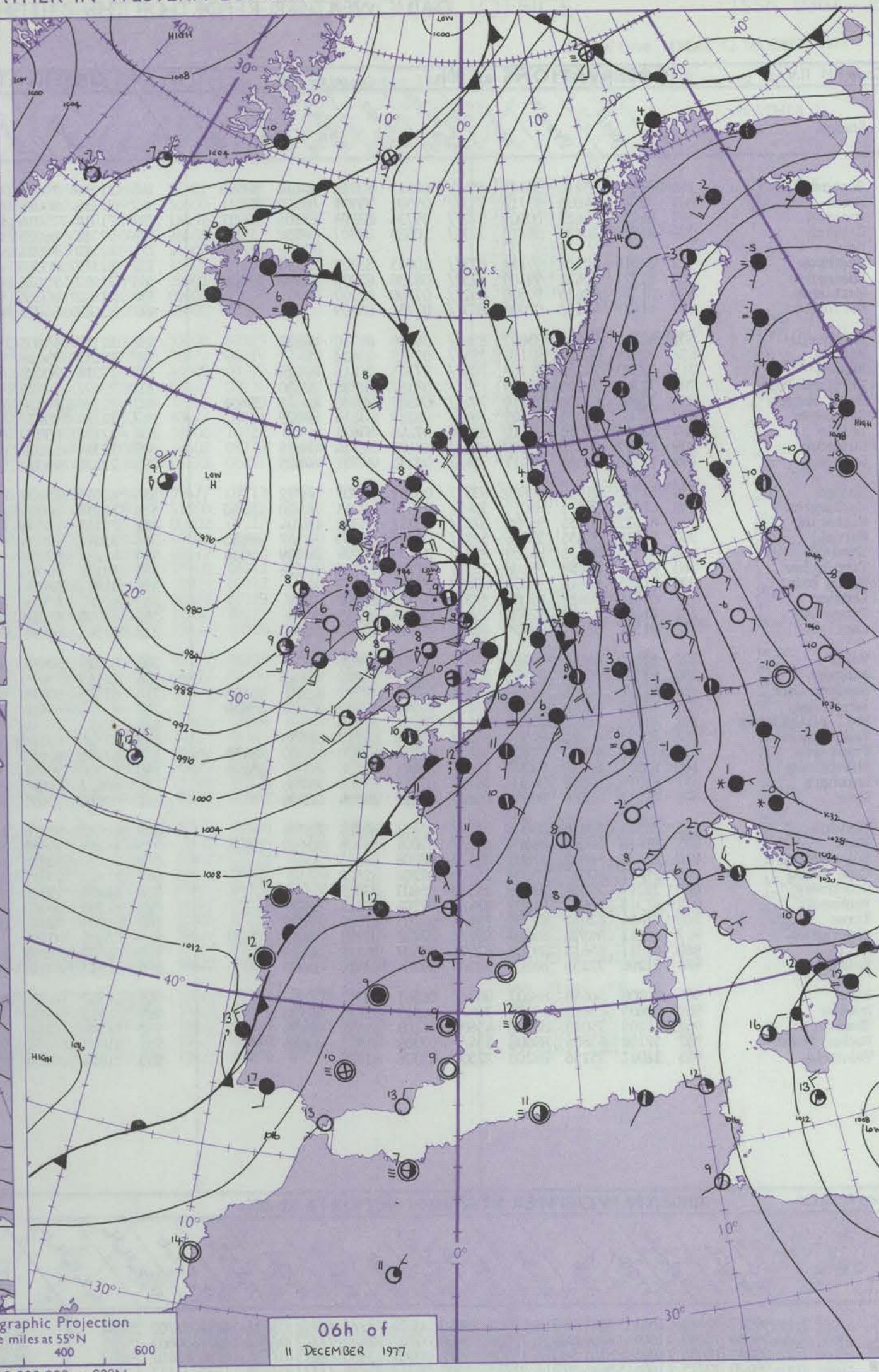
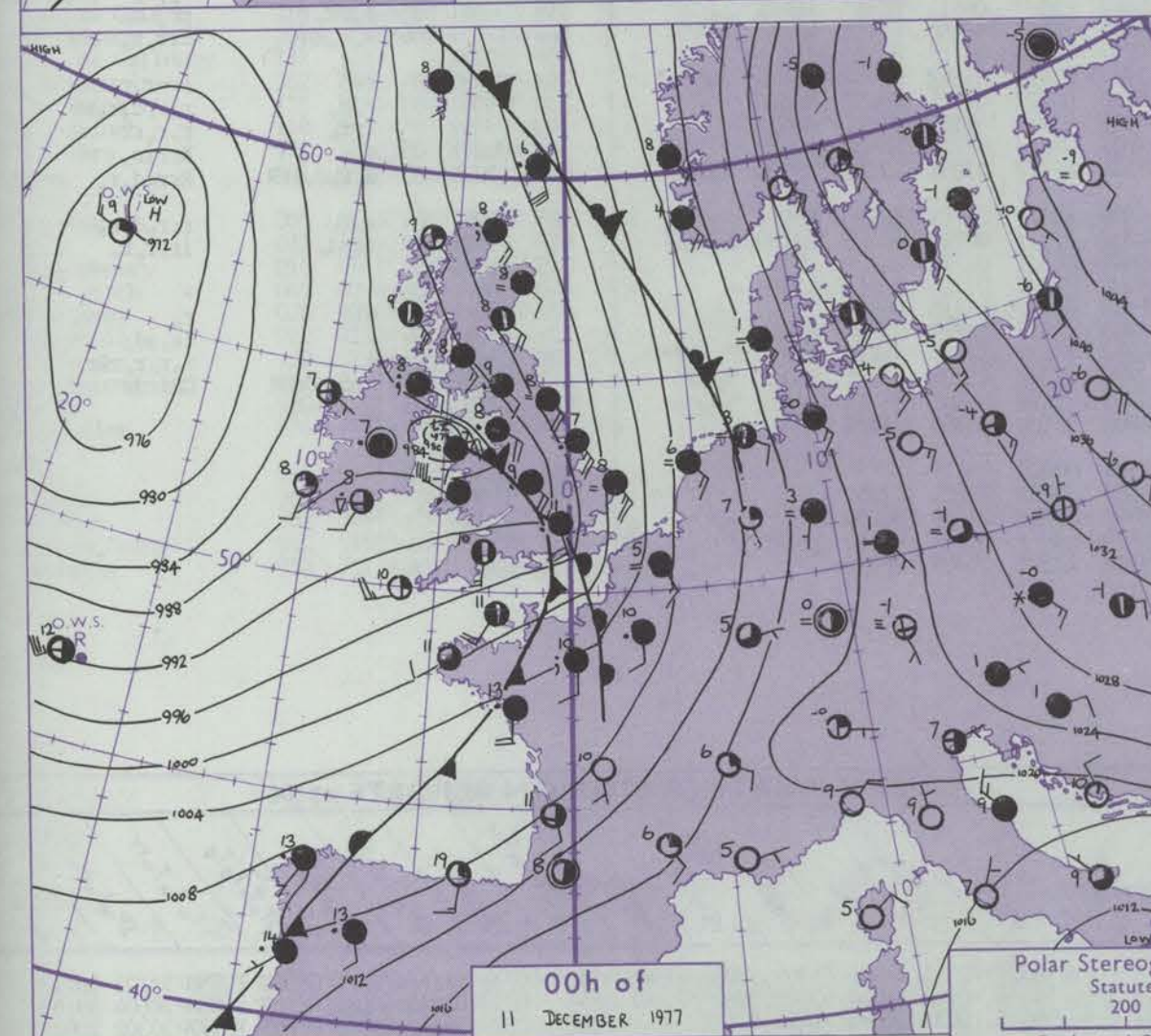
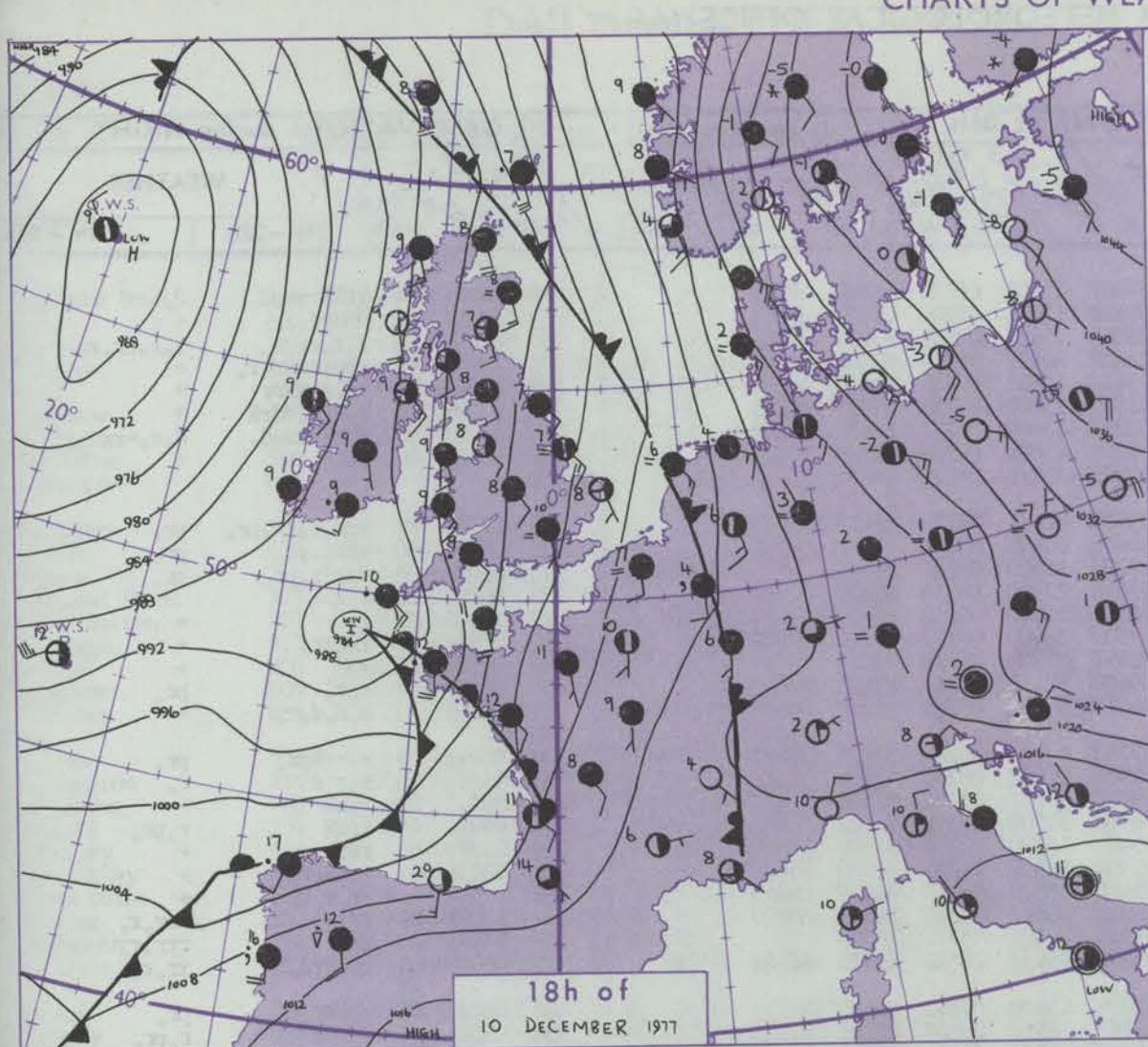
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OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY									
Code FM 11.V										Code FM 11.V										Code FM 11.V									
10 December 1977										10 December 1977																			
Station										Station										Station									
iii Nddff VVwWw PPPTT N _h Ch _h Ch _h T _d app 8N _s Ch _s h _s 8N _s Ch _s h _s 8N _s Ch _s h _s										iii Nddff VVwWw PPPTT N _h Ch _h Ch _h T _d app 8N _s Ch _s h _s 8N _s Ch _s h _s 8N _s Ch _s h _s										iii ART T _e SSS WEATHER									

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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 SYNOPSIS DEVELOPMENT.

During the past 24 hours a deep low in the eastern Atlantic has filled steadily and moved slowly northeast. A secondary centre which developed over Biscay deepened and moved quickly northeast across southwest England and Wales into the Irish Sea. During the

next 24 hours this low is expected to move north then northwest to the Faeroes and fill a little. The low in the eastern Atlantic will continue to drift slowly northeast and fill, to leave all parts of the British Isles in an unstable southwesterly airstream.

Issued at midday 11 DECEMBER 1977

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

OBSERVATIONS at 00h.										OBSERVATIONS at 06h.										OBSERVATIONS during NIGHT					
11 December 1977										11 December 1977															
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h C _h	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwwW	PPPTT	N _h Ch _h C _h	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RR _T T _n E	T _g T _g	WEATHER			
																						21h.—03h.	03h.—09h.		
Boscombe Down	746	82128	65216	94111	854//	08525	83712	84616	88640	746	31910	70025	01107	15502	06126	81620	83075		746	04071	04	rrRdrrrr.d.	d.		
Hurn	862	72019	64606	95711	753//	09501	83709	86620	87631	862	32116	80016	01110	15601	08220	81640	83075		862	03101	07	DRdrd.r.	+		
Manston	797	81423	56612	00909	872//	09734	83703	85705	88707	797	71914	75016	03310	754//	09232	83615	87640		797	04091	08	r.r.r.r.r.	r.r.r.r.r.		
Gatwick	776	81722	40636	96710	7732/	10639	87707	88550		776	72211	66026	02009	7093/	07227	87364			776	13092	06	rRdrrrRr.r.	+		
Kew										775	62110	78026	01610	15602	07235	81630	86075		775	05091	05	ir.r.rRr	+		
Heathrow	772	81618	40616	95711	873//	10645	83708	88713		772	52112	80016	01310	15602	07231	81635	85075		772	05091	06	r.d.r.rdrR	+		
Honington	586	81321	30631	99109	5732/	08738	82706	84708	88550	586	31912	70016	00710	35600	06232	81630	83645		586	05081	07	r.r-rrd.d.	d.r.r-r.		
Wattisham	590	81328	40626	99608	862//	07740	88703			590	41912	80016	01009	45600	06228	84632			590	05082	06	r.r	+		
Gorleston	497	81427	48102	02008	863//	07731	88709			497	82012	64026	00809	857//	08220	88650			497						
Aberporth	502	82847	58608	83607	854//	06550	84710	88630		502	62117	65806	95509	684//	07223	86812			502	02071	06	rrr.r.r.ir.pr.	pr.		
Filton	628	72315	70016	92110	755//	07513	87628			628	02212	75018	00608	00900	05341				628	04071	00	rRrr.r.pr.	pr.		
Rhoose	715	72220	75256	91109	784//	07305	81815	87620		715	12214	80028	99108	15500	06231	81622			715	02081	06	r.rRr.pr.	pr.		
Hartland Point	703	72740	74216	89809	754//	08357	83710	87630		703	22628	74011	97410	22500	08219	82822			703	96091	08				
Mount Batten	827	72424	67808	95110	784//	09362	82710	84816	87624	827	22220	70028	00311	21400	09118	82816			827	91101	07	pr.	+		
St. Mawgan	817	72622	80018	94109	784//	06289	83813	87625		817	32114	80021	99309	38400	07127	81814	83624		817	97081	06	ir.pr.	+		
Silly	804	32426	65016	95110	35500	07246	83621			804	22119	65020	98611	25500	07213	82621			804	00101	07	+	+		
Culdrose	809	82722	62056	95109	854//	07170	82714	88618		809	32314	62018	99610	38500	08216	82820	83630		809	91092	07	r.r.	pr.		
Guernsey	894	72220	75026	99011	754//	09233	84712	87625		894	72216	75032	04410	56432	09228	85710	86075		894	02101	09	d.d.d.r.	+		
Elmdon	534	81320	61616	90809	873//	08769	86707	88712		534	62016	75806	97208	685//	06240	83820	86631		534	06071	05	r.rRrpr.	pr.		
Cardington	559	81422	56636	95010	5542/	09657	82711	84620	88550	559	32110	80026	00008	00902	06235	83075			559	04071	05	r.r.r	r.		
Wittering	462	81422	35656	95709	872//	08752	85703	88704		462	72118	70036	99008	756//	05240	87630			462	06071	05	r.rR	+		
Watnall	354	81018	50636	93308	5722/	07867	82705	84707	88550	354	32016	68036	96308	35500	06342	83622			354	06071	04	r.rR	r.pr.		
Shawbury	414	81218	60616	86209	853//	07898	82707	84709	88614	414	42211	82016	95408	48500	05254	82820	83650		414	04071	05	rRr.	+		
Finningley	360	81215	45656	95108	3732/	07748	83706	88528		360	52121	84016	93909	58500	05334	81820	85628		360	05071	04	r.rRrr.r.	+		
Spurn Point	396	81225	60616	98007	8082/	07741	88557			396	31923	68036	95409	15670	06319	81635	83360		396			ir.r.r.	+		
Leeming	257	81316	30622	95008	873//	07852	88707			257	82028	65616	90207	854//	05332	82617	88620		257	12071	06	rr	rrr.r.		
Tynemouth	262	81422	61022	97008	855//	08734	88625			262	81840	61616	84108	8052/	05772	88525			262	07071	05	rr	rrr.r.		
Carlisle	222	81309	56601	93709	854//	06835	83717	88640		222	82505	60036	83707	854//	06522	82715	84621	87635		222	06062	04	r.rRrr.	ir.rrr.	
Valley	302	80620	80216	82707	855//	06890	88620			302	42327	80018	92009	45400	07143	84615			302	08071	06	r.rRr.r.	pr.		
Ringway	334	81124	60216	89708	855//	05877	83620	88645		334	72119	75026	94108	785//	05267	82821	87625		334	03081	07	r.rRr	r.pr.		
Squires Gate	318	81122	58636	89208	4532/	07866	82709	83618	88535	318	82325	80016	91807	855//	062115	81625	88641		318	06071	05	r.rR	pr.		
Ronaldsway	204	81024	40632	88308	7542/	07746	83712	83618	85630	204	82618	65616	89907	7542/	06360	83711	87624	88550	204	12071	06	r.r.RR	rrr.r.		
Mull of Galloway	131	81523	58502	90208	864//	08734	88710			131	82621	78616	88107	4742/	06316	84710			131	10052					
Eskdalemuir	162	80812	60032	94507	854//	05828	85712	88635		162	83206	60016	83707	854//	05543	82713	83617	88635	162	08052	04	rr	rr-r.r		
Prestwick	135	81415	62032	92908	35577	06724	82620	83360	85462	135	83506	60636	86206	6557/	06527	84620	86640		135	06062	05	r.r.	r.r.d.r.r		
Abbotsinch	140	80911	60031	93707	15637	05821	81630	83362	88275	140	80510	50636	85907	854//	06739	81712	88627		140	09062	05	r.r.	r.r.r		
Leuchars	171	71319	50052	96308	762//	07716	82704	87708		171	80622	57636	86207	872//	07871	84704	88708		171	08071	05	r.r	Rrrir.		
Dyce	091	81211	40105	98408	862//	07812	86704	88706		091	80916	35656	91207	871//	07851	82702	85704	87706	091	12072	07	d.r.d.r.rR	Rrr.d.r.		
Lerwick	005	81532	50616	03806	872//	05101	84703	88706		005	81432	50216	01506	853//	05713	86709	88614		005	05052	04	r.r.	r.r.d.r.		
Wick	075	81418	58586	98408	852//	07001	83705	85710	88616	075	81221	56616	94808	873//	07727	84706	87709	88712	075	02071	06	ir.d.	ir.r.r.		
Sule Skerry	010	81432	66032	97609	855//	08208	88625			010	81428	66032	95409	855//	08711	88620			010	91071	08				
Cape Wrath	049	21412	80011	95108	25500	07202	82620			049	71411	80031	93108	784//	07719	83815	87620		049	00071	06	+	+		
Stornoway	026	31312	75031	93109	35500	06803	83625			026	61107	65011	91108	655//	06715	86622			026	92081	03	+	r.		
Benbecula	022	81316	65021																						

Code FM 21.V		OCEAN WEATHER STATION REPORTS at 00h.														OCEAN WEATHER STATION REPORTS at 06h.													
O.W.S.		99L _a L _a	Q _c L _o L _o	YYGGiw	Nddff	VVwwVV	PPPTT	N _h C _L h _M C _H	D _s vapp	8N ₅ Ch ₃ h _s	8N ₅ Ch ₃ h _s	OT ₅ T _s T _d T _d	IT _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w T _w																

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

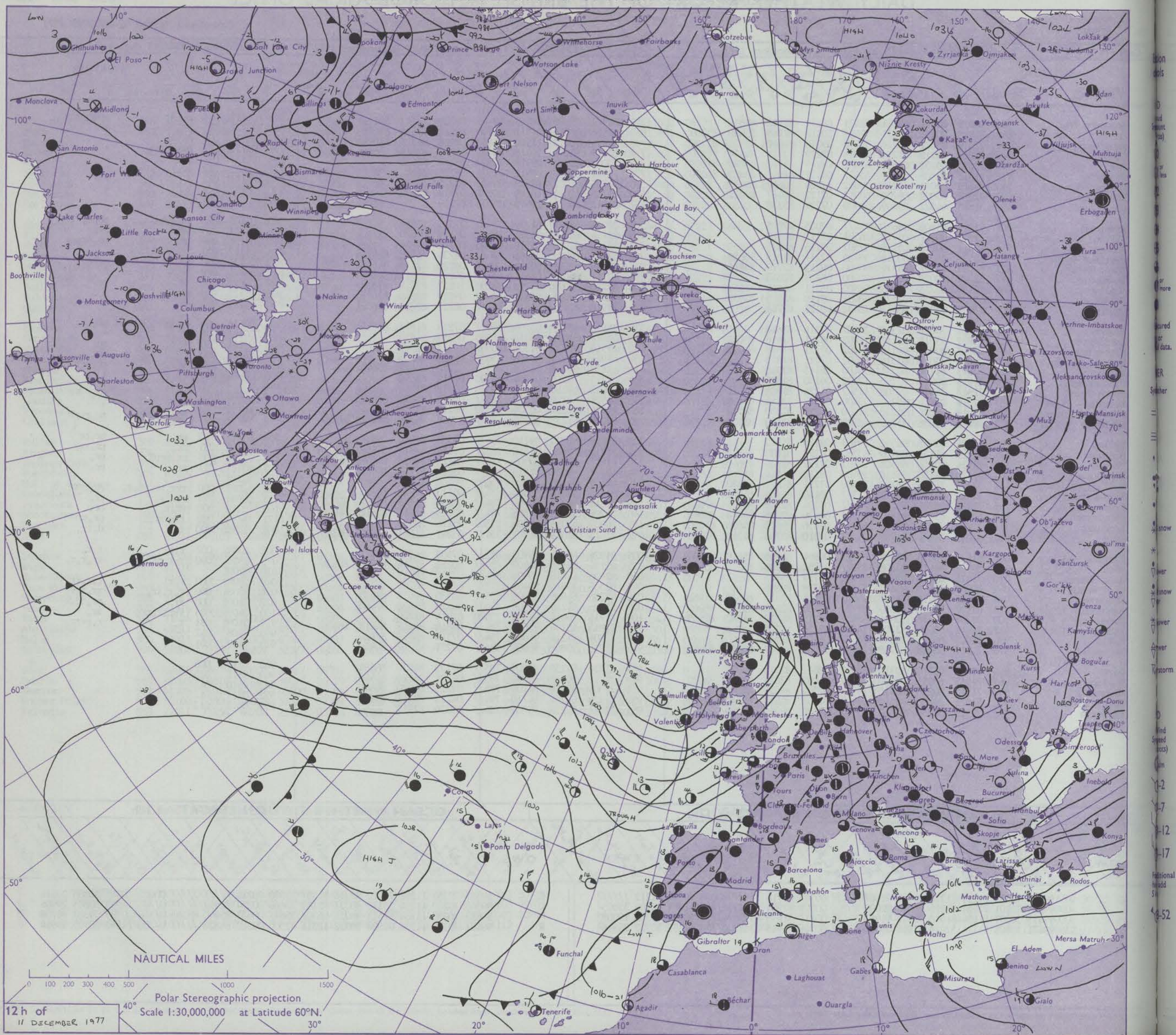
ISSN 0307-2541

No. 42389

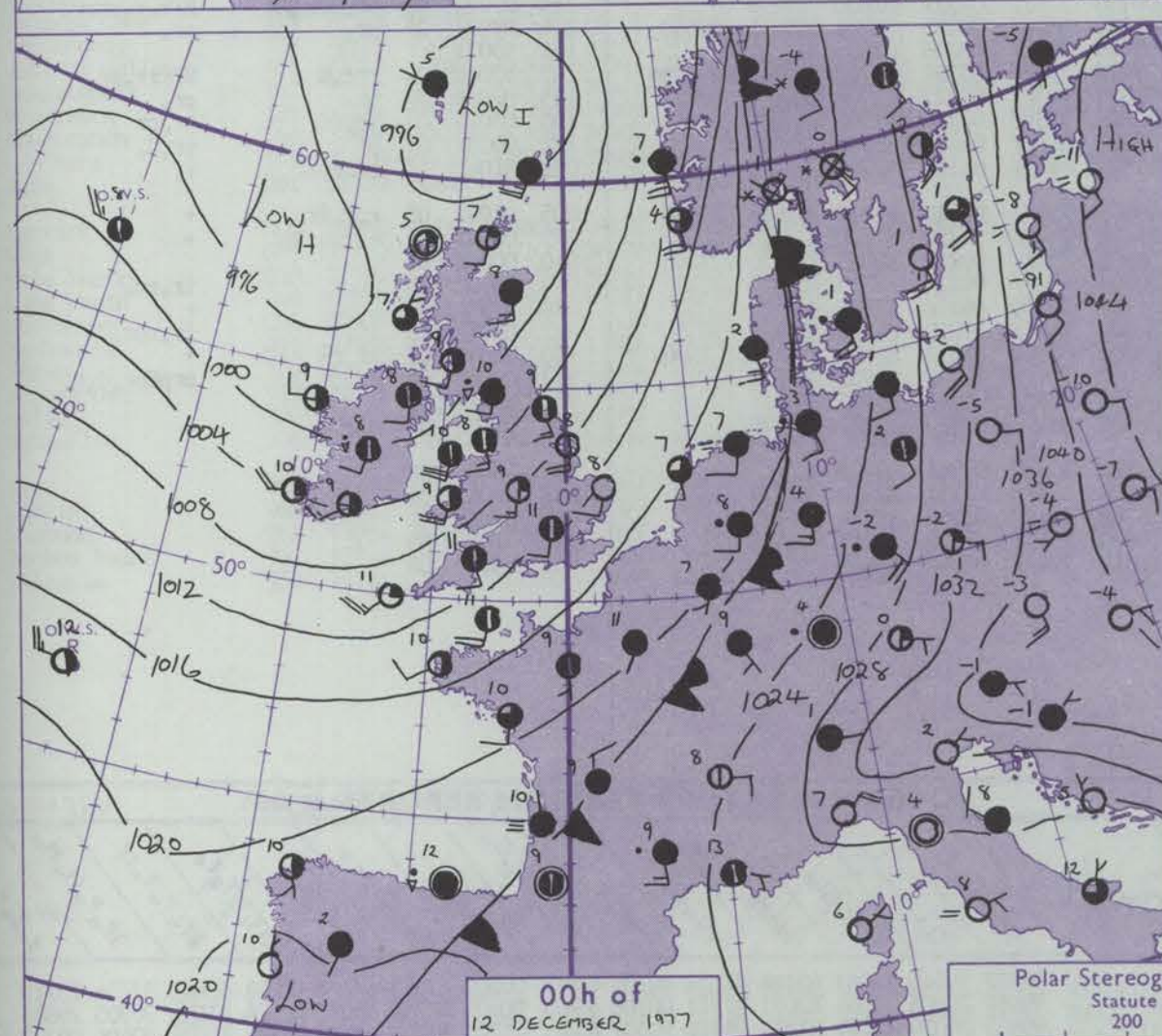
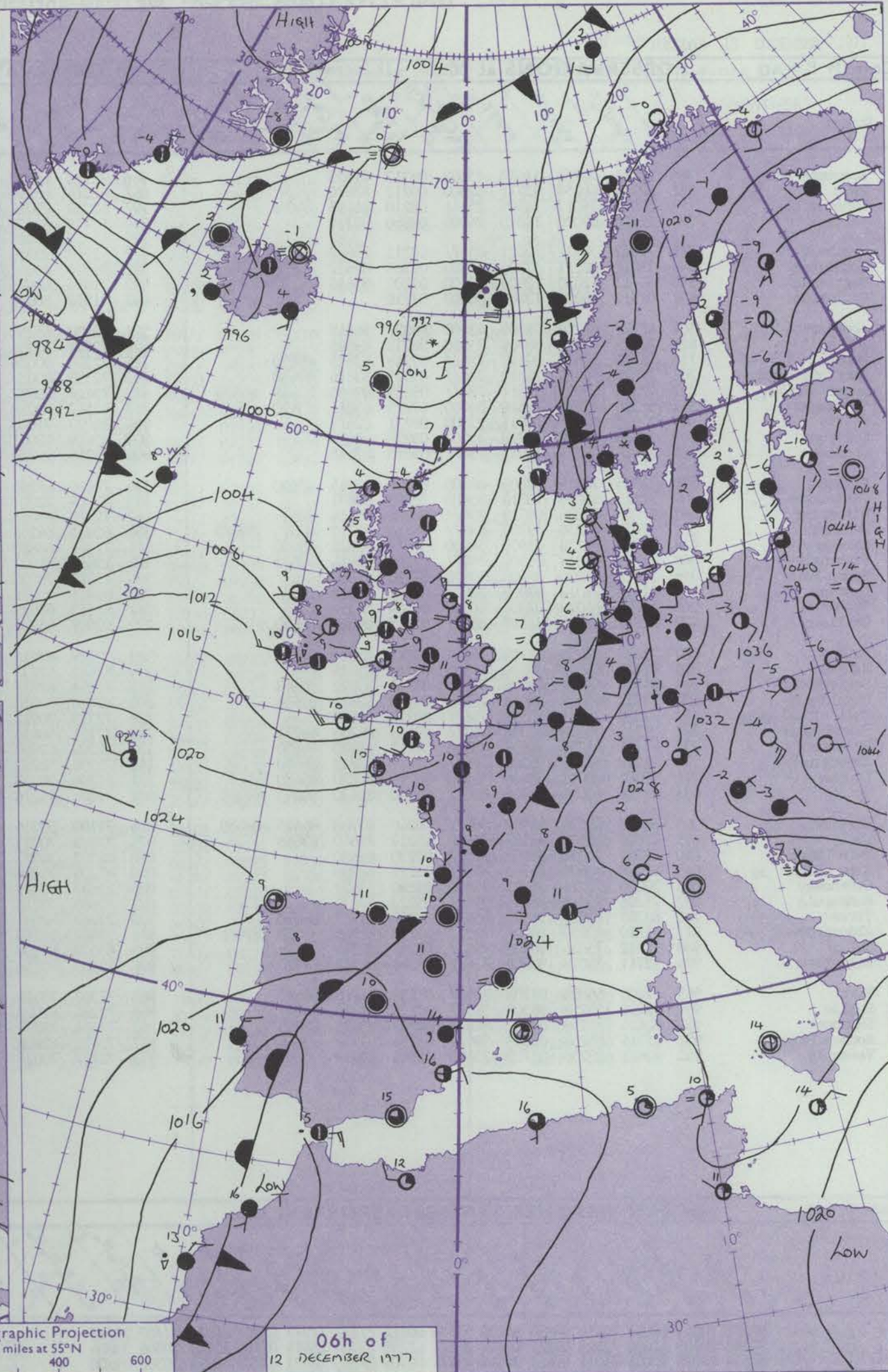
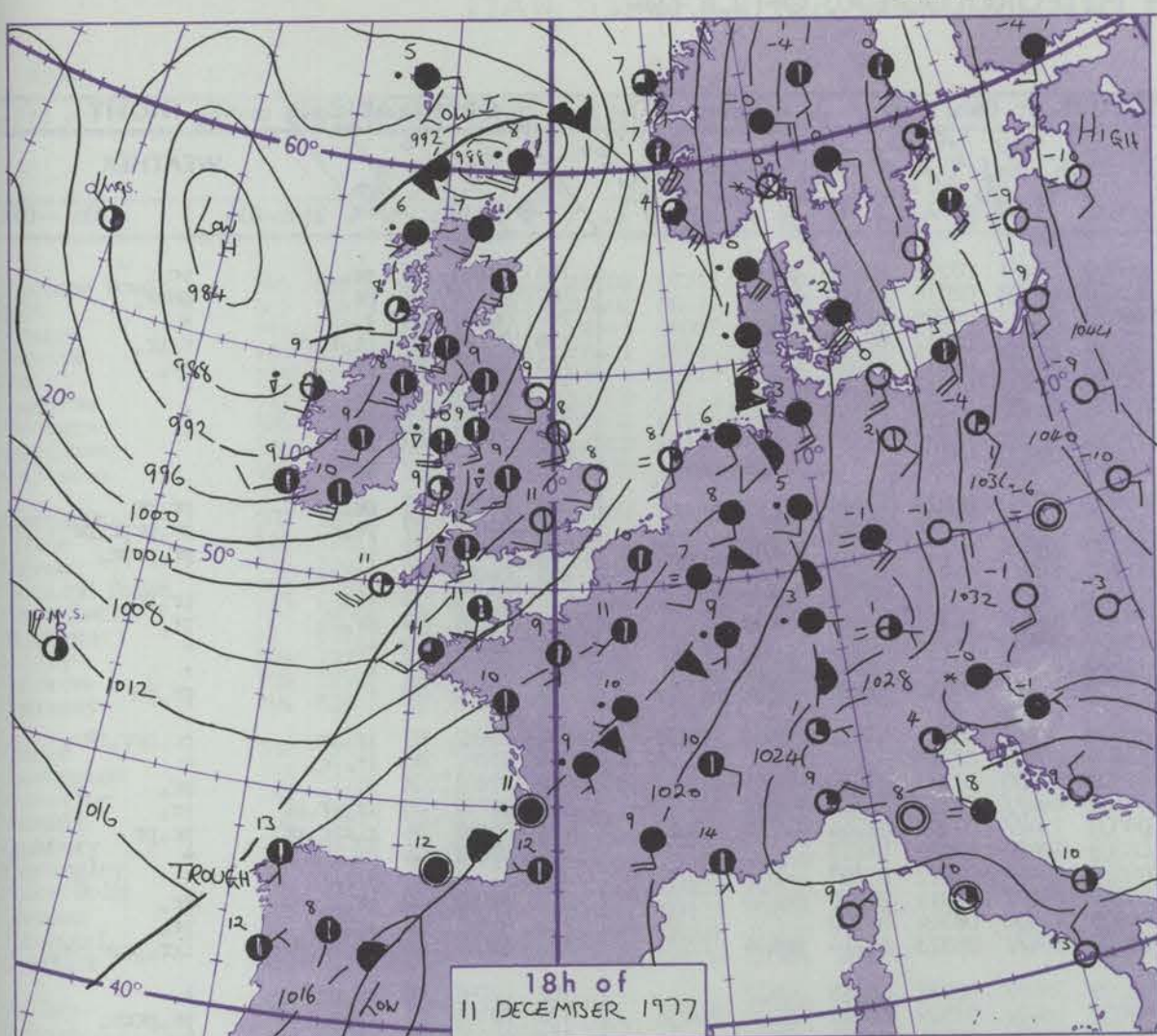
Date of Issue MONDAY 12 DECEMBER 1977

OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY						
11 December 1977										11 December 1977																
Station	iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT	T + F	SSS	WEATHER			
																							09h.—15h.	15h.—21h.		
Boscombe Down	746	62018	80011	05011	52431	08111	82712	84816		746	61917	65808	08610	58401	08319	82712	84816		746	04111	014	pr.	jp	jp	pr.	pr.
Hurn	862	71915	70031	06111	52432	10118	82715	85820	85360	862	51816	62018	09511	58500	09217	83821	83650		862	92121	015	pr.		pr.		
Manston	797	72010	75022	08210	58477	09016	81810	85650	87358	797	51915	70012	11910	18432	08118	81815	84075		797	00111	007	+		+		
Gatwick	776	72013	61218	07211	46478	09222	83711	85360	87270	776	21913	65011	10410	28403	08217	82815		776	02112	001	pr.	pRpr.		+		
Kew	775	72006	65252	06610	634/2	09219	81712	84920	87070	775	22009	65021	09910	25500	08318	82620		775	01111	014	pr		+	+		
Heathrow	772	71811	60808	06611	53432	08121	82917	83823	85070	772	11911	65018	09911	11501	08220	81820		772	91121	022	pr.		+	+		
Honington	586	71813	75011	06210	40912	07220	84467	87072		586	41707	65021	09909	00901	07220	84070		586	00111	021	+		+	+		
Wattisham	590	71814	67021	06709	60912	07122	86467	87072		590	21713	62011	10109	00902	07218	82075		590	00101	003	+		+	+		
Gorleston	497	51815	64022	07409	50970	07224	85358			497	01912	66011	10608	00900	07219			497		004						
Aberporth	502	71927	65808	98610	724//	07005	87815			502	32017	68018	01709	32400	07325	83816		502	04101	006	pr.	pRpr		pr.	pr.	
Filton	628	32114	70031	03712	18531	07111	81820			628	72114	62808	06511	785//	08119	86820		628	94121	035	pr.			pr.	pr.	
Rhoose	715	62011	80258	03110	52582	07115	85825			715	42212	72018	05510	48500	07216	84824		715	03121	026	pr.			pr.	pr.	
Hartland Point	703	32526	66030	00311	39400	07211	81918	83635		703	82425	66021	03611	884//	08234	85818	88635		703	01112	027					
Mount Batten	827	62023	62251	04212	68400	09212	82710	83816		827	72123	62028	07012	784//	09220	82712	84815	86625		827	01131	030	pr.		pr.	
St. Mawgan	817	22122	70020	02211	28400	08107	82815			817	62117	65028	05311	634//	09221	82911	84813		817	96121	029	pr		+	+	
Scilly	804	52124	60258	01012	58500	08211	84820			804	32225	62028	04711	38400	10227	82818	83625		804	05122	018	pr		+	+	
Culdrose	809	52320	64051	02511	48431	09110	83818	83630		809	62322	58058	05511	58402	09219	83815	83625		809	97121	019	pr.		+	+	
Guernsey	894	21917	75011	08411	18432	09121	81711			894	71917	80031	11811	685/2	08221	82820	85630		894	00121	030	+		+	+	
Elmdon	534	21814	70018	02510	28402	07216	82816			534	71813	68809	05109	784//	07213	81817	85623		534	02111	026	pr.	pRtl.	R	pr.	
Cardington	559	61912	75011	05111	11402	09221	81818	86072		559	42012	63031	08310	41500	08218	84820		559	00121	036	+		+	+	+	
Wittering	462	42018	80011	04110	11402	07121	81818	84075		462	11915	81020	07308	00902	07217	81075		462	97111	030	+		+	pr.	pr.	
Watnall	354	22014	70018	02510	11402	07221	81815			354	41914	70038	05209	45600	06212	84640		354	91111	030	+		+	pr.	pr.	
Shawbury	414	32013	81158	00211	33400	06115	81918	83635		414	61813	68808	03109	685//	07220	84822	85640		414	05111	050	pr.		pr.	pRr.	
Finningley	360	11913	70011	01209	12502	06130	81820			360	31711	75031	04108	35700	06212	83650		360	00101	047	+		+	+	+	
Spurn Point	396	31818	75020	02508	11542	06226	81825	83075		396	11622	68010	05708	10970	07112	81360		396			+		+	+	+	
Leeming	257	52319	75808	99209	58400	06227	83814	83650		257	71520	62258	01809	785//	07113	84822	85640		257	95101	032	pr.		+	pr.	
Tynemouth	262	42019	69026	96210	21630	05250	82830	84358		262	11824	61020	00309	10930	06112	81358		262	00101	052	+		+	+	+	
Carlisle	222	52415	65036	95209	48330	07140	81708	83638		222	72006	65258	98209	784//	07206	81713	84822	87635		222	05101	019	r.	pr.	pRpr	pr.
Valley	302	51726	62258	96510	59463	08110	81912			302	71818	57808	99110	734//	08330	82910	85818		302	04111	015	pr.			pr.	
Ringway	334	61914	70158	00409	63560	06223	81920	85823		334	71715	70808	02510	785//	07114	83825	86650		334	02101	031	pr.			pr.	
Squires Gate	318	71914	70258	98508	58563	07122	82820	85640		318	71615	62258	00509	785//	08213	83822	84638	86656		318	01101	003	pr.	pRpr	pr.	
Ronaldsray	204	52120	64156	95110	59400	08118	81714	81918	84650	204	62122	62038	97210	684//	08322	81711	86650		204	93111	021	pr.			pr.	
Mull of Galloway	131	32327	78016	93709	38500	07221	81825	83630		131	42135	76108	94010	45600	08106	84630		131	92101							
Eskdalemuir	162	72019	61256	94107	723//	06140	86709	85817		162	81518	56618	97607	874//	06113	86710	88715		162	10081	000	rrr.	pr.	ph.	r.	
Prestwick	135	72314	68216	93108	753//	05234	82709	85715	87618	135	71813	59808	94909	784//	07204	82715	84822	85640		135	02091	024	rrr.	r.	pr.	
Abbotsinch	140	82411	62616	91807	853//	06136	82708	86614	88640	140	71206	58808	94508	784//	07003	81711	83818	86636		140	03101	000	rr.	r.	pr.	
Leuchars	171	72220	70216	90108	684/2	05256	81815	84620	85650	171	20603	65018	96706	25500	05128	82620		171	04081	002	ir.	rpr.		pr.	pr.	
Dyce	091	82011	60606	86208	7527/	07310	82705	84710	87635	091	71815	82026	96207	3547/	05241	81615	83650	86359		091	02081	000	rir.		d.	ir.
Lerwick	005	81130	30656	95304	6522/	04844	85705	85612	88520	005	81926	40616	86908	872//	07508	84705	88711		005	10082	000	r.	r.		r.	
Wick	075	80916	56616	85808	7532/	07752	82708	85712	86620	075	82114	68166	92407	854//	05256	82716	83622	88634		075	02081	000	r.	r.	rr	ir.
Sule Skerry	010	81426	60626	89707	874//	06737	88715			010	82605	64616	90008	874//	07225	88715		010	02091							
Cape Wrath	049	80909	75616	87607	873//	06738	88708			049	82309	70616	90407	873//	07228	88708		049	03082	000	r.	r.		r.	ir.	
Stornoway	026	70505	70216	88607	4542/	07814	82615	84630	87462	026	82205	64606	92506	855//	06330	84622	88635		026	95081	000	r.	r.	ir.	ir.	
Benbecula	022	82102	75606	89807	5547/	07400	82618	85635	88462	022	71606	75216	92906	5557/	06220	85623	87460		022	01091	000	ir.		ir.	id.	
Tiree	100	82307	80616	90007	5847/	07213	81710	84650	87459	100	21711	75018	92808	25300	07214	81709		100	04091	003	rRr.	r.	pr.	ir.	pr.	
Aldergrove	917	21811	62016	92708	16330	05116	81708			917	71915	65256	93608	784//	06318	82712	84818	86632		917	01091	031	r.		r.	pr.
Malin	980	22017	80016	90307	18432	06109	81715			980	71806	75218	91408	754//	07310	83717	87624		980	0108	042					
Belmullet	976	71312	80038	87708	784/2	05000	82717	83820	86640	976	51910	70808	90909	534//	07221	82717	84920		976	0109	001					
Birr	965	61615	66016	90310	584/2	08811	82713	83820		965	71810	75258	94709	785//	07125	84820	86634		965	0110	008					
Dublin	969	71913	68031	93210	58432	06002	83816	84635	35070	969	71812	70038	95810	785//	06226	84820	87640		969	9511	025					
Shannon	962	71915	70258	89410	795//	07504	84920	84640		962	72009	80258	94109	785//	07223	84820	86640		962	0510	011					
Roches Point	952	51925	70808	92610	53403	07308	84915	83640		952	71924	65258	96710	794//	08220	82711	85918		952	0211	012					
Valentia	953	72116	70258	90610	6356/	09330	86920	83360		953	72411	70258	95709	734//	08226	87919		953	0611	012						

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

A small depression in the Irish Sea moved northeast across southern Scotland and then northnorthwest to between Shetland and the Faeroes during the past 24 hours. Meanwhile a depression 300 miles west of Scotland filled in situ. Mainly southwesterly flow already over southern and central Britain replaced the strong southeasterly flow further

north during the period. During the next 24 hours high pressure is expected to build from the southwest. The flow will become more westerly but frontal troughs will approach northern Britain later.

Issued at midday MONDAY 12 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h. 12 December 1977								OBSERVATIONS at 06h. 12 December 1977								OBSERVATIONS during NIGHT						
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h C _h H	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwwW	PPPTT	N _h Ch _h C _h H	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RRT _n T _n E	T _g T _g	WEATHER		
																						21h.—03h.	03h.—09h.	
Boscombe Down	746	22016	70258	11610	15602	08317	81635			746	72110	68031	14409	784//	07213	82815	86619		746	01081	06	pr.	pr.	
Hurn	862	32117	68258	12411	32500	09212	83820			862	42214	68251	15810	48402	08216	81716	84075		862	01101	08	pr.	pr.	
Manston	797	52017	75012	14509	25441	08210	81615	84075		797	62012	75011	16610	653//	08209	81709	86611		797	00091	07	+	+	
Gatwick	776	22116	63020	13310	26400	08310	82714			776	52115	62038	15310	55400	09212	82712	84615		776	02091	07	pr.	pr.	
Kew										775	52211	70028	14810	55500	08210	85623			775	92101	05	pr.	pr.	
Heathrow	772	71912	70021	12511	755//	08211	85622	87640		772	42112	70016	14811	45400	08313	81716	83635		772	97101	07	r.	+	
Honington	586	21611	62011	12309	25500	07209	82622			586	31913	65031	13809	35400	07208	83616			586	00081	06	+	+	
Wattisham	590	31713	62030	12608	35400	07207	83616			590	31813	62021	14309	35400	07207	82614			590	91081	05	+	+	
Gorleston	497	01912	66020	13208	00900	07210				497	01912	66020	14409	00900	07106				497					
Aberporth	502	42121	65258	05309	42400	08223	84815			502	32420	65258	09909	32400	08227	83815			502	03081	07	pr.	pr.	
Filton	628	32113	75028	09709	35500	08218	83625			628	72411	60251	13009	785//	07318	82822	87656		628	04091	07	pr.	pr.	
Rhoose	715	72112	80038	09110	785//	07218	83825	86650		715	72316	80026	12209	785//	07213	84820	87640		715	01091	07	pr.	pr.	
Hartland Point	703	72625	66028	08310	784//	08325	83816	87630		703	72530	80038	11710	784//	08324	83816	87641		703	04082	08			
Mount Batten	827	72320	62038	11811	784//	09328	82814	83819	85635	827	72416	60022	15311	784//	08320	83815	87632		827	95101	08	+	pr.	
St. Mawgan	817	52315	65022	10610	58400	07225	83811	83620		817	52517	70038	14710	58400	07221	83812	84618		817	93091	08	pr.	pr.	
Scilly	804	22323	60020	10911	22400	08231	82618			804	32423	71030	15510	35500	08223	83625			804	00101	09	+	+	
Culdrose	809	32516	60021	11210	35400	09228	83618			809	82616	62051	15610	884//	07223	84814	88630		809	00090	08	+	+	
Guernsey	894	72019	75021	15011	754//	09315	87615			894	72216	70258	18710	783//	09215	85706	85812		894	02091	08	+	pr.	
Elmdon	534	31915	70018	07609	38400	07210	81815	83620		534	72016	68251	10409	784//	06211	83812	85630	86650		534	03082	07	ir.	pr.
Cardington	559	32115	65026	10510	35600	08209	83631			559	02014	72018	13009	00900	07215				559	97091	06	ir.	pr.	
Wittering	462	82018	82038	09510	854//	08208	85614	88618		462	12119	82011	11509	15600	07215	81630			462	97081	06	+	+	
Watnall	354	62013	66256	07709	684//	08214	81712	83815	85620	354	62015	64258	09809	684//	07315	82814	85640		354	01071	05	ir.	pr.	
Shawbury	414	51708	80258	05909	58500	07311	82822	85650		414	72312	68818	09009	734//	07322	82914	84818	87645		414	03081	06	r.	pr.
Finningley	360	71709	70028	06509	784//	07109	85814	87625		360	12014	81021	08209	12400	07212	81818			360	97081	06	pr.	+	
Spurn Point	396	11718	68020	08108	10970	07210	81360			396	11816	70030	09508	10940	07212	81360			396			+	+	
Leeming	257	21518	75018	03908	28400	07001	81819			257	81811	70038	06209	884//	06311	85815	88640		257	91081	06	pr.	pr.	
Tynemouth	262	11822	66020	02808	10930	06109	81358			262	42015	69026	04909	40930	06314	84359			262	91081	06	ir.	pr.	
Carlisle	222	81911	58818	01310	885//	07215	84820	88630		222	82407	65258	03809	884//	08323	81714	88634		222	10071	06	pr.	pr.	
Valley	302	72028	61258	01710	784//	08215	83814	84820		302	72419	67018	06809	784//	08231	81815	87632		302	02091	08	pr.	pr.	
Ringway	334	61717	65808	05409	68500	07210	85826			334	82012	62638	08009	5542//	07319	82616	85635	88458		334	02101	07	r.	pr.
Squires Gate	318	71615	65252	03008	735//	08206	83922	86643		318	72213	62618	06408	756//	07321	82630	87649		318	07071	06	pr.	pr.	
Ronaldsway	204	72217	66018	99610	784//	08110	82818	87656		204	82416	70038	04609	884//	07228	82711	85816	88650		204	97091	07	pr.	pr.
Mull of Galloway	131	72328	74031	98509	756//	09218	87630			131	72315	70012	03109	756//	08226	87635			131	93071				
Eskdalemuir	162	81718	56626	00308	863//	07113	86706	88711		162	72111	58616	03407	753//	07321	84708	85710	87618		162	12062	04	rrr.	pr.
Prestwick	135	42111	65258	98609	48500	07117	81820	84650		135	82208	62808	03009	883//	07227	81708	84814	87622		135	02081	07	pr.	pr.
Abbotsinch	140	71910	65218	98209	785//	07217	82822	86640		140	72704	58258	02308	783//	07328	81708	84816	87640		140	03072	05	pr.	pr.
Leuchars	171	50405	80018	99406	58500	05219	81820	85630		171	62306	70018	02207	656//	06217	81630	86645		171	04051	01	pr.	pr.	
Dyce	091	81716	65056	98908	5567//	06210	82630	84645	87360	091	71608	65216	01907	6633//	06122	82708	86709		091	91041	51	ir.	pr.	
Lerwick	005	82025	50026	95907	5532//	06240	83708	84625	88459	005	72109	50016	99407	754//	06216	81710	83618	87645		005	01071	05	r.	pr.
Wick	075	31809	62506	97607	35600	05219	81640	83656		075	22605	70015	01104	25730	03222	82650			075	00021	51	+	+	
Sule Skerry	010	82507	74036	97008	855//	07230	88620			010	82305	74022	00908	855//	07222	88625			010	00061	07			
Cape Wrath	049	82308	80606																					

OCEAN WEATHER STATION REPORTS at 00h.										OCEAN WEATHER STATION REPORTS at 06h.	
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DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

No. 42390

Date of Issue TUESDAY 13 DECEMBER 1977

Code FM II.V		OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY					
		12 December 1977										12 December 1977															
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RRT x T x E	SSS	WEATHER					
																						09h.—15h.	15h.—21h.				
Boscombe Down	746	6241	75258	18410	58502	07218	82820	84645		746	42608	65018	23408	38402	07127	82814			746	92111	021	pr.	pr.				
Hurn	862	52413	67038	19112	48401	08217	81710	83635		862	52509	70018	24109	55600	07226	85630			862	01121	036	pr.	pr.				
Manston	797	52214	65031	19112	58441	08007	82812	83650		797	72410	67211	22109	784//	07223	81818			797	91121	035	pr.	pr.				
Gatwick	776	62314	75018	18611	68401	08114	83818	85650		776	72411	75038	22709	785//	08225	81820	83640	86656	776	97111	029	pr.	pr.				
Kew	775	72312	70031	18011	784//	07112	85818	83640		775	62506	80258	22310	685//	07025	81820	86645		775	93121	015	pr.	pr.				
Heathrow	772	72312	72028	18111	68502	07113	84820	85645		772	62507	75808	22310	685//	08226	82822	86645		772	97121	008	pr.	pr.				
Honington	586	32116	81011	16511	18532	07110	81820			586	72412	75021	20809	756//	07327	87648			586	00111	039	+	+				
Wattisham	590	52014	62011	17210	48402	07113	83814			590	72512	70022	21009	785//	07227	81822	87638		590	00111	028	+	+				
Gorleston	497	32020	58030	16710	38670	07106	82830			497	52308	64011	20210	55500	07224	85625			497		035						
Aberporth	502	72618	68028	17209	753//	08236	81708	85620	87638	502	72821	66218	22809	784//	07228	81710	83620	87638	502	97091	000	pr.	ir.				
Filton	628	72611	66258	17809	784//	08221	83712	85817	85630	628	52610	60018	23309	55400	07230	81615	85645		628	95101	003	pr.	+				
Rhoose	715	82614	66018	17610	884//	09225	83814	88635		715	72714	62028	23309	754//	08230	82618	87640		715	02101	001	pr.	pr.				
Hartland Point	703	72922	64258	18810	754//	09235	83710	87620		703	22914	74011	24309	25600	08229	82635			703	97101	000						
Mount Batten	827	52818	64158	20712	59401	09223	81916	83818		827	62610	62018	25810	684//	08228	81816	86635		827	91121	045	+	pr.				
St. Mawgan	817	62717	70038	20811	684//	08231	84812	83635		817	72813	65022	26209	784//	08330	83812	87638		817	00111	020	+	+				
Scilly	804	72722	70031	22111	784//	08230	83818	87625		804	72613	72011	26910	756//	07220	87632			804	00111	016	+	+				
Culdrose	809	52916	65052	21411	42430	08226	84714	84820		809	72910	63052	26510	784//	07223	81818	87640		809	00110	018	+	+				
Guernsey	894	62616	75258	22910	59460	08120	84813	81918		894	72815	72028	27310	784//	07226	83812	87645		894	93121	035	pr.	+				
Elmdon	534	72112	66038	15309	7843/	07119	81710	87635		534	62509	66258	21109	685//	07233	81820	86640		534	94101	013	r.	pr.				
Cardington	559	42318	67011	16711	28502	07115	82820	83075		559	82510	62258	21410	856//	09128	88638			559	97111	016	+	pr.				
Wittering	462	62416	60018	15610	68400	07215	82815	86640		462	72514	75032	20709	756//	07231	87636			462	93101	005	pr.	+				
Watnall	354	72413	65258	14609	784//	07223	86812			354	72507	60058	20409	756//	07131	87635			354	97101	001	pr.	+				
Shawbury	414	62308	72258	14810	68502	08227	81820	85650		414	82306	75038	20909	856//	08232	82630	88640		414	93111	015	pr.	+				
Finningley	360	52212	70011	13210	45602	07126	84640			360	32709	65018	18809	38640	07233	81830	83640		360	97111	029	pr.	pr.				
Spurn Point	396	72112	66021	13409	756//	07227	87630			396	72511	60026	18108	755//	07230	87625			396			+	ir.				
Leeming	257	72109	75258	11410	52442	07123	82818	85630		257	12708	75011	18807	15600	06240	81640			257	97111	028	pr.	+				
Tynemouth	262	62004	61028	10209	6097/	07226	86358			262	12712	66021	17008	10930	05237	81358			262	00101	002	+	+				
Carlisle	222	72709	63018	10808	782//	08238	81704	86645		222	42708	70021	18507	38401	06343	81818	83640		222	96091	024	r.	+				
Valley	302	72614	80022	14110	784//	08134	81818	87630		302	72609	75018	21109	756//	08233	87635			302	97101	000	+	pr.				
Ringway	334	52211	68018	13810	58500	07229	81825	85640		334	82707	58038	20709	853//	08236	83708	88640		334	95101	009	pr.	pr.				
Squires Gate	318	72513	60808	13008	784//	08235	82710	85816	86640	318	72706	61038	20007	754//	07137	83616	86630		318	01091	003	pr.	+				
Ronaldsway	204	72911	75028	13210	784//	07242	81712	86645		204	32908	70031	19807	22402	07230	82710			204	00101	019	+	+				
Mull of Galloway	131	73015	75022	12308	6854/	08249	81825	86630		131	22609	78031	18908	22500	07228	82825			131	00091		+	+				
Eskdalemuir	162	72507	68038	10308	784//	06231	82713	85818	85645	162	52607	70031	18206	58400	05234	82714	83818		162	00081	014	+	+				
Prestwick	135	43212	68158	11608	48401	07245	81817	83628		135	72307	65031	18008	755//	06232	83622	87640		135	00091	024	+	+				
Abbotsinch	140	22807	70028	10309	28400	07242	81712			140	32405	65018	16807	18531	06132	81820	83070		140	91101	023	pr.	jp				
Leuchars	171	32410	60011	08809	35600	07234	83645			171	22508	70030	15906	25602	04237	82640			171	00091	029	+	+				
Dyce	091	32710	82011	07907	25602	05233	82630			091	72508	82031	14207	756//	04233	81635	87645		091	00091	032	+	+				
Lerwick	005	62310	70022	03607	48332	07116	81708	83645	85075	005	32513	84018	08707	28402	06229	81815			005	91081	001	pr.	+				
Wick	075	72710	82021	07106	28572	05228	81820	86072		075	22611	75021	12605	10931	03231	81360			075	00071	000	+	+				
Sule Skerry	010	72704	74022	06509	5856/	08229	82820	85625	87360	010	62512	66801	11709	685//	09225	828											

12 h of
12 DECEMBER 1977

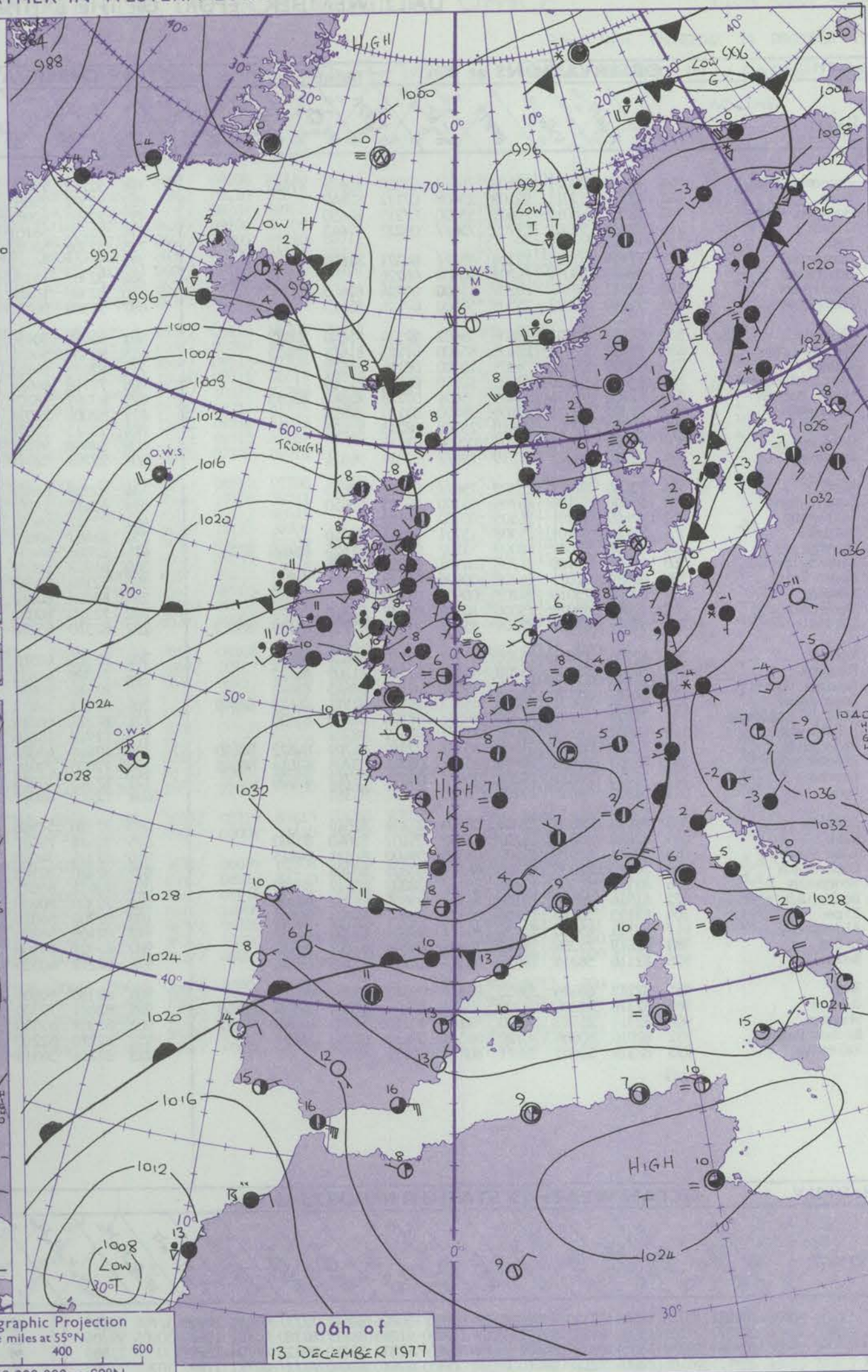
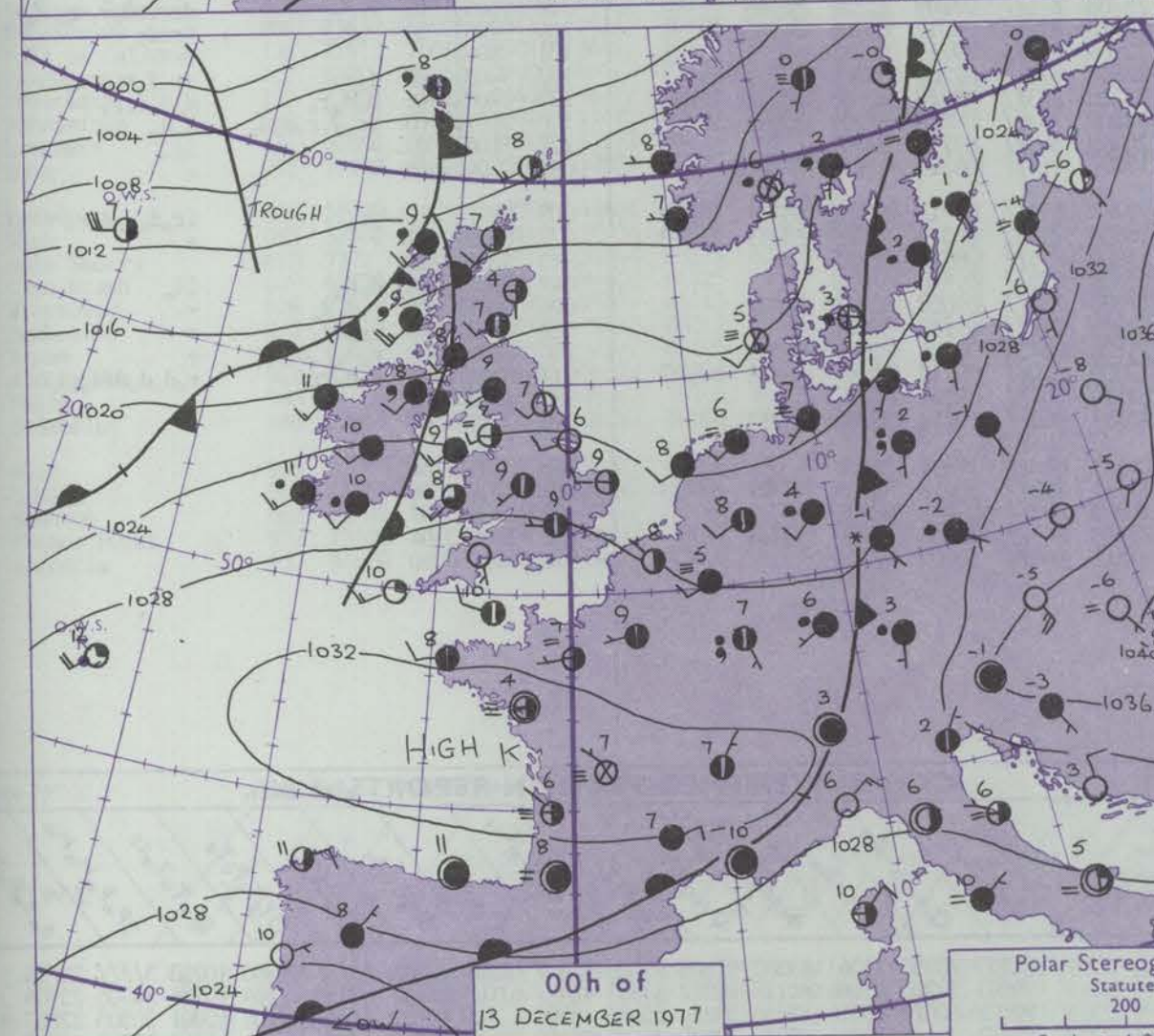
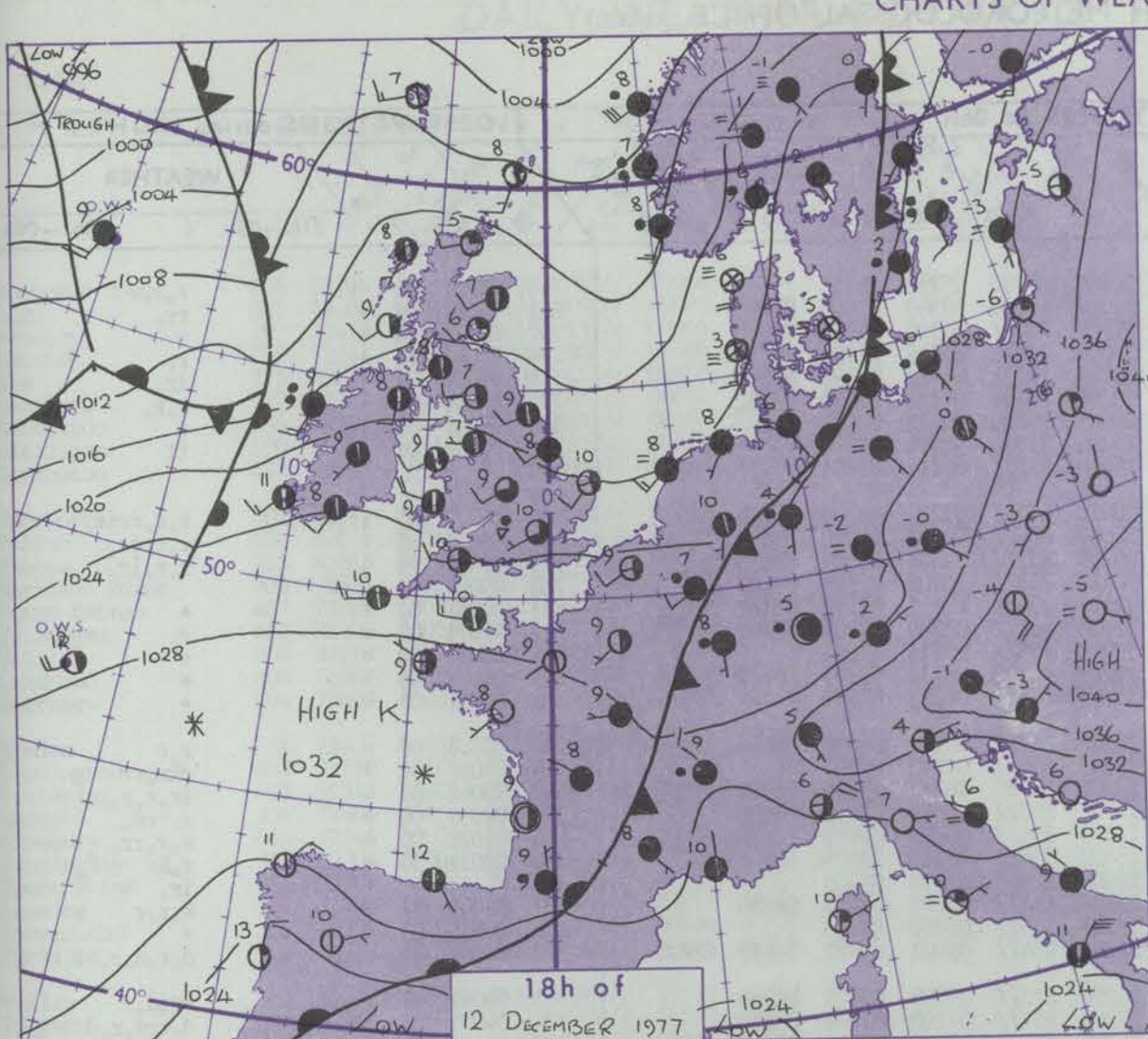
NAUTICAL MILES
0 100 200 300 400 500 1000

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

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

10 Good amount (stars)
 11 or less
 12
 13
 14
 15
 16
 17 or more
 18
 19 secured
 20 or
 21 data.
 22 HER
 23 Smother
 24
 25
 26
 27
 28 snow
 29
 30 power
 31 snow
 32 power
 33 power
 34 power
 35 storm
 36
 37 Wind
 38 Speed
 39 (knots)
 40 Calm
 41 1-2
 42 3-7
 43 8-12
 44 13-17
 45 additional
 46 per add
 47 3)
 48 48-52

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.

During the past 24 hours a depression to the northeast of Faeroes moved away northeastwards and a trough of low pressure southwards over Britain relaxed as it moved away eastwards. A frontal trough moved across Ireland, Scotland, Wales and western parts of England overnight. Pressure built to the south of the British Isles, with a high becoming established

over northwest France by this morning. During the next 24 hours the high will remain slow-moving over France, and a ridge will develop northwards over Britain as the frontal trough over central districts of England moves away east and a deep depression moves northeast in mid-Atlantic.

Issued at midday TUESDAY 13 DECEMBER 1977

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

Code FM 11.V OBSERVATIONS at 00h. 13 December 1977										OBSERVATIONS at 06h. 13 December 1977										OBSERVATIONS during NIGHT				
Station	ill	Nddff	VVwww	PPPTT	N _h Ch _h C _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	Nddff	VVwww	PPPTT	N _h Ch _h C _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	RRRT _n E	T _g T _g	WEATHER		
																						21h.—03h.	03h.—09h.	
Boscombe Down	746	72508	70021	28408	754//	07223	85618	87622		746	52209	75031	30806	55700	05212	85650			746	02051	01	+	r _o r _o r	
Hurn	862	22510	75011	29109	25600	07122	82640			862	32507	75030	31307	15630	06309	81640	83360		862	94051	03	+	rr _o	
Manston	797	52507	68012	26609	55700	07219	85650			797	72507	62032	29707	754//	06310	81615	87643		797	00071	04	+	+	
Gatwick	776	72503	59101	27707	756//	06221	87645			776	12102	58101	30505	10930	05314	81360			776	97041	51	+	r _o	
Kew										775	52306	58052	30207	25631	06315	82640	85360		775	91071	01	+	ir _o	
Heathrow	772	72707	67028	27309	757//	08321	87650			772	52503	56101	30206	15631	06316	81645	83362		772	94051	01	+	r _o r _o	
Honington	586	02409	56051	26207	00900	06226				586	32307	15104	29005	35600	05312	83634			586	91041	51	+	f	
Wattisham	590	12511	56101	26204	15600	04224	81645			590	32308	10284	29305	35500	04314	83629			590	91031	01	ff	ff	
Gorleston	497	52710	62022	25509	55500	07224	85625			497	92508	04434	28706	91111	06214	89/01			497					
Aberporth	502	62111	62601	27408	55602	07214	85640	83075		502	82418	50636	28810	6722/	09208	83705	85708	88518	502	04071	05	ir _o d _o r _o	r _o r _o rrir _o	
Filton	628	62708	62051	28408	65400	07225	81618	85639		628	82509	56631	29509	854//	08002	84710	84618	88642	628	02071	05	+	r _o rrdr	
Rhoose	715	42509	68011	28309	45400	08124	84618			715	82615	64031	29909	852//	09308	83705	88656		715	92071	06	+	r _o r _o ir _o	
Hartland Point	703	12815	69020	28609	10940	08117	81360			703	72718	66011	30410	753//	10208	82708	87635		703	00091	06			
Mount Batten	827	52706	65031	30409	35601	07223	83645	83075		827	63202	58102	32107	25451	07311	81710	83361		827	00061	02	+	+	
St. Mawgan	817	22507	70021	30109	28400	07117	82816			817	82004	56031	32008	862//	08209	85703	88705		817	97071	03	+	r _o	
Scilly	804	22513	72021	30810	25500	08215	82625			804	72411	72031	32010	755//	09211	87625			804	00091	06	+	+	
Culdrose	809	02708	59051	30709	00900	07118				809	32806	59101	32209	35300	08211	82707	83625		809	00081	05	+	+	
Guernsey	894	72910	78022	31110	784//	07316	86814			894	22707	82011	33307	18502	04313	81820			894	00071	03	+	+	
Elmdon	534	72406	64022	26309	756//	07124	87645			534	82309	62601	28308	6572/	05110	86650	88458		534	02071	05	+	r _o r	
Cardington	559	52508	57108	26706	55700	06223	85650			559	62411	57101	29307	656//	07213	86635			559	02051	51	+	rRr _o rr	
Wittering	462	02609	12101	26505	00900	05225				462	72512	64031	28506	35732	06311	83656	85360	87075	462	95041	01	+	ir _o r _o r _o	
Watnall	354	22407	30101	25906	15701	05225	81650			354	82407	40621	27707	2572/	06310	82650	88458		354	02051	00	+	r _o -rd _o	
Shawbury	414	72409	75022	26009	5553/	07121	81625	85640	87358	414	82008	66631	27409	854//	08206	85616	88656		414	01071	05	+	r _o r _o rr _o	
Finningley	360	12405	59100	24703	04901	03224	81075			360	81907	56621	26407	3562/	06311	83635	88458		360	02011	53	+	r _o Rr	
Spurn Point	396	02610	61021	24206	00900	05228				396	22106	60030	26606	20940	05211	82360			396			+	ir _o	
Leeming	257	02107	75010	24207	00900	03120				257	82008	60611	25109	854//	07008	83615	88650		257	02041	51	+	r _o r _o r	
Tynemouth	262	12004	69020	23006	10940	04327	81358			262	72310	80021	23209	7097/	06302	87358			262	00051	03	+	+	
Carlisle	222	82307	67021	22309	854//	07211	83713	86617	88622	222	82510	65216	22709	854//	09001	83712	86617	88622	222	01051	51	d _o r _o	d _o r _o d _o r _o -r _o r	
Valley	302	82214	75031	25209	855//	07216	82626	88640		302	82315	40586	26209	872//	09309	87703	88705		302	05091	07	pr _o r	rrid _o	
Ringway	334	62306	50102	25708	663//	07220	81709	86712		334	81809	45635	27208	852//	07108	81704	88620		334	04071	07	+	d _o rrd _o r _o d	
Squires Gate	318	52510	56101	24307	35601	07117	83645	83075		318	82010	30636	25708	871//	08109	84702	88705		318	06051	02	+	drrrrd _o r _o d _o	
Ronaldsway	204	82414	70031	23309	854//	08112	82711	86618	88640	204	82411	60212	24610	872//	09310	86705	88706		204	07091	51	r _o r _o R	Rrrdr	
Mull of Galloway	131	72326	70251	21809	785//	08108	82820	85630		131	82311	66216	23709	864//	09213	88715			131	05081				
Eskdalemuir	162	82007	26101	22006	861//	05212	88702			162	81910	15216	22807	870//	07204	88701			162	94031	00	fir _o	ir _o d _o r _o d _o r _o	
Prestwick	135	82210	62205	21008	853//	07210	81709	84622	88640	135	82414	65026	23210	853//	09318	82706	83710	85612	135	97081	06	d _o d _o r _o	d _o d _o d _o r _o	
Abbotsinch	140	82209	60606	19809	853//	08211	83708	83616	88640	140	72608	70016	22109	753//	08318	81709	83617	87645	140	91071	03	ir _o d _o r _o d _o d _o	d _o d _o	
Leuchars	171	72310	70021	19207	754//	05210	85712	87620		171	82315	65025	20409	863//	07211	88709			171	91041	02	+	id _o	
Dyce	091	51802	84031	17804	50950	01111	85362			091	72211	84022	19007	1567/	05311	81630	87362		091	00041	50	+	+	
Lerwick	005	32415	84028	12008	38400	0																		

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

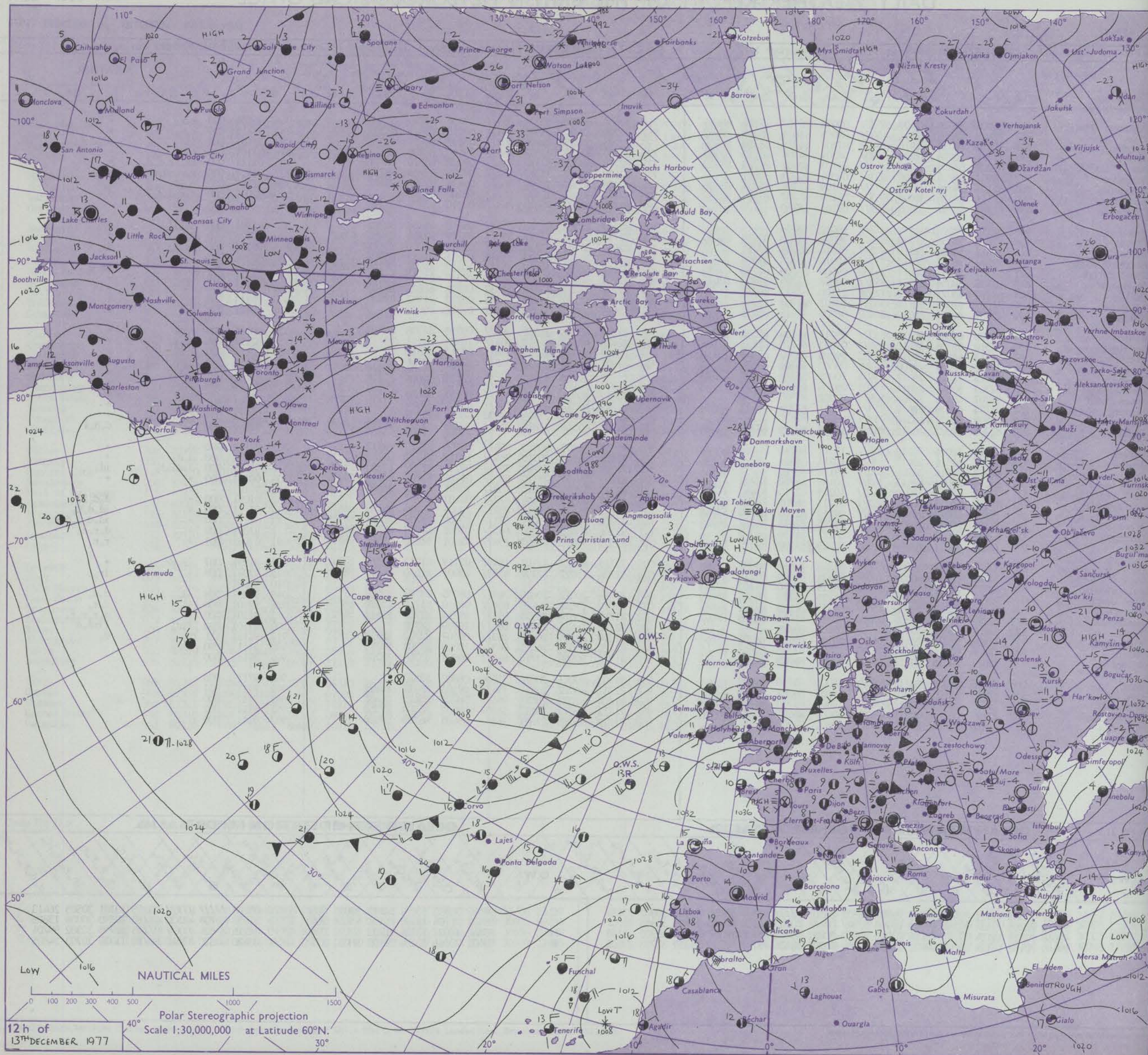
ISSN 0307-2541

Date of Issue WEDNESDAY 14 DECEMBER 1977

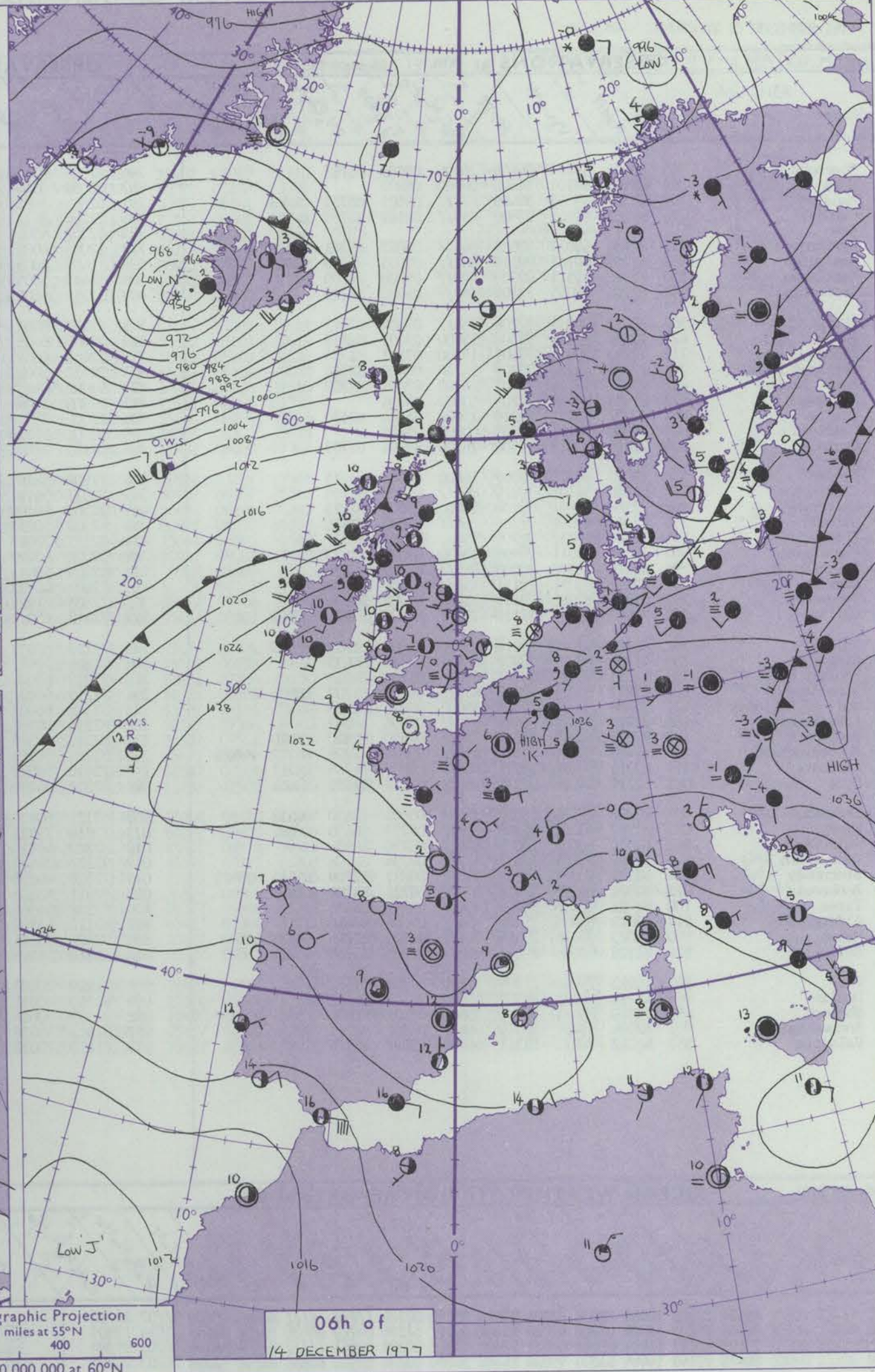
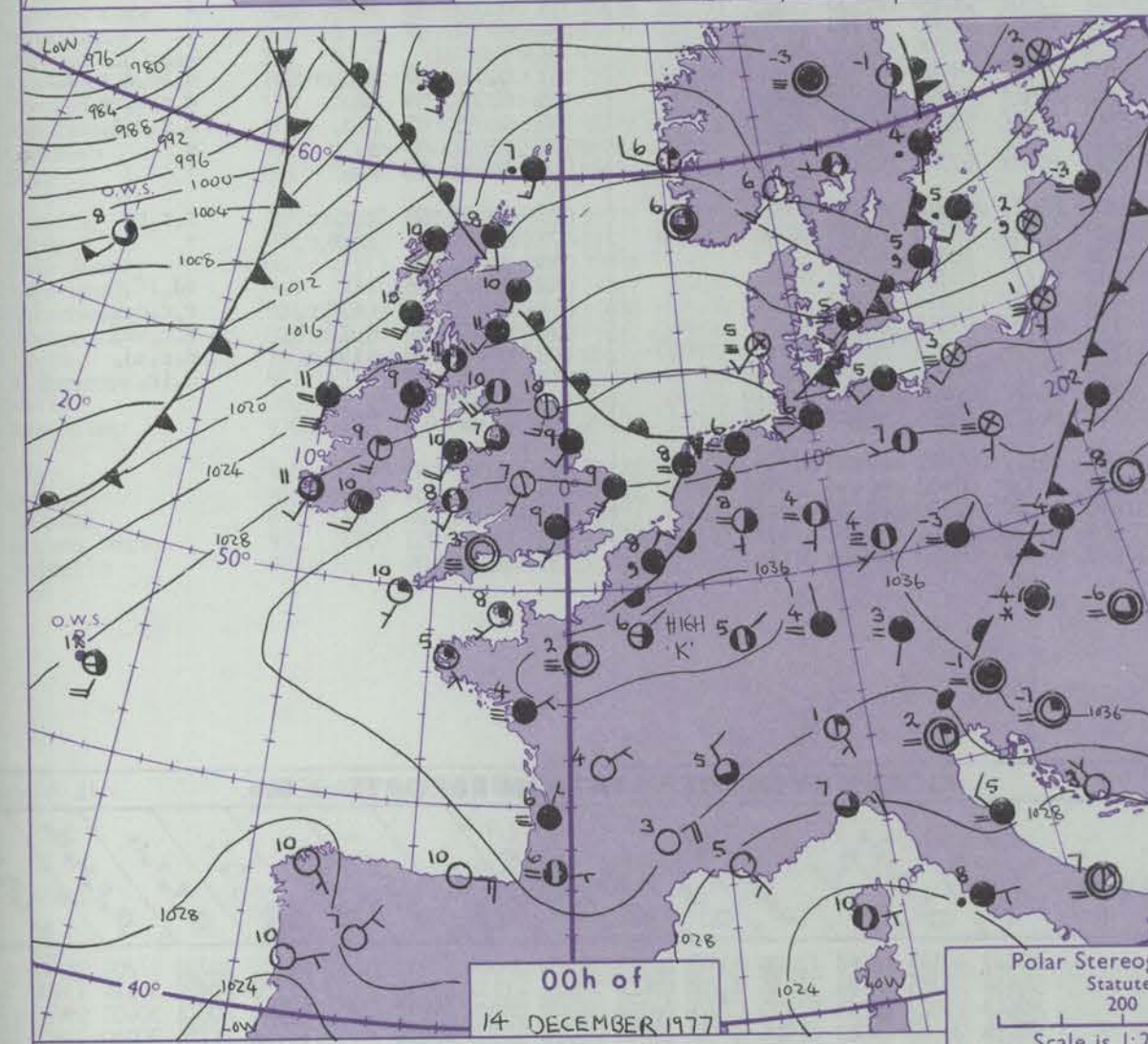
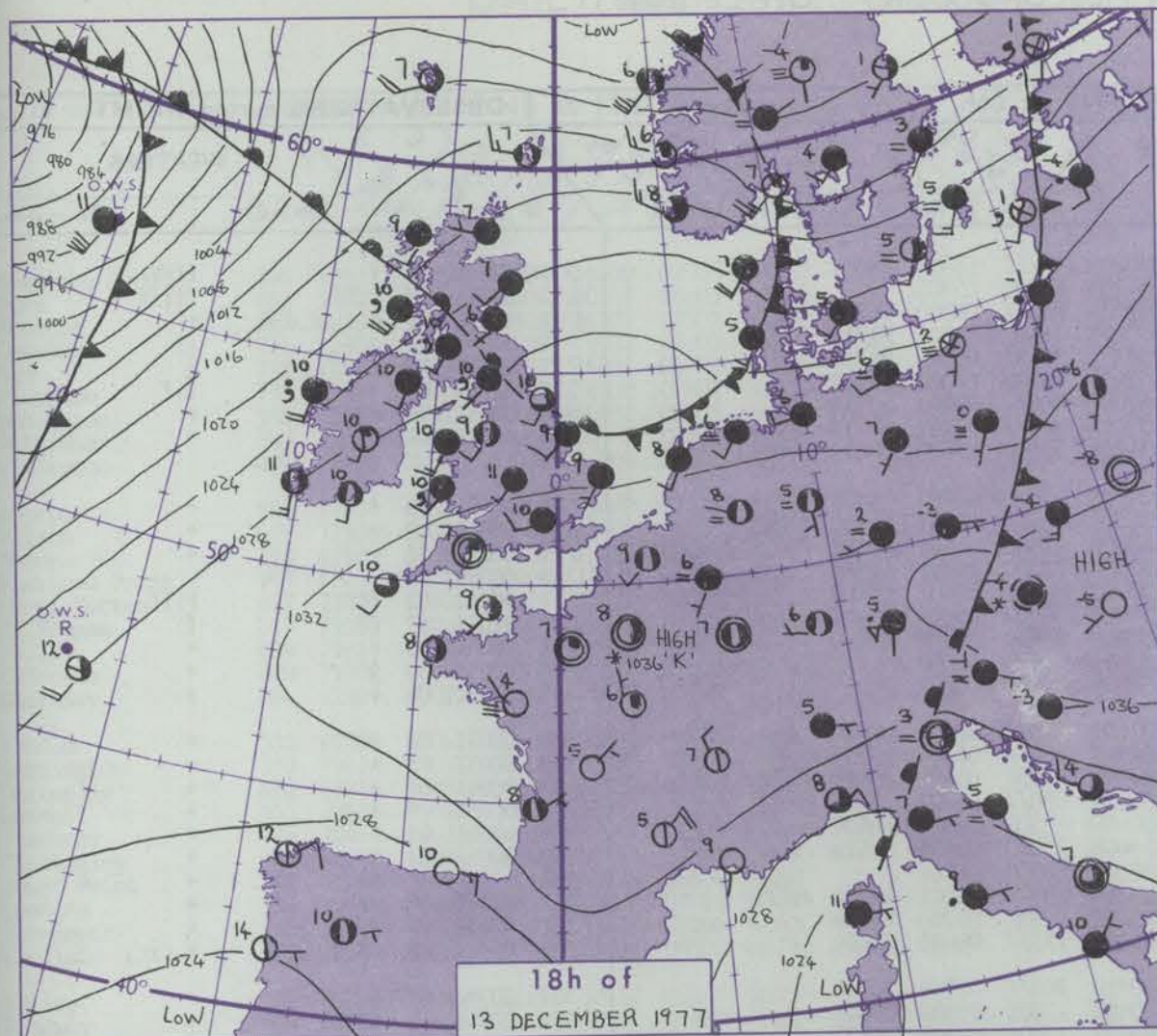
No. 42391

OBSERVATIONS at 12h.											OBSERVATIONS at 18h.											OBSERVATIONS during DAY						
13 December 1977											13 December 1977																	
Station	ill	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅		Station	ill	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅		Station	ill	RRT x T _E	SSS	WEATHER		
																						09h.—15h.					15h.—21h.	
Boscombe Down	746	82106	59026	32409	853//	09006	86707	87711	88645		746	82608	60022	33009	864//	09206	81710	88712					746	95101	000	r.o.r.o.		+
Hurn	862	72406	62016	33111	1547/	09003	81615	85359	87462		862	72204	62032	33809	5543/	09210	85615	87360					862	93111	000	r.o.r.o.		+
Manston	797	72410	68032	31910	15478	07304	81715	83359	86464		797	82205	58025	32409	863//	08107	88707					797	97101	002	id.		id.o.d.o.	
Gatwick	776	72311	56216	32209	6623/	08304	84704	85712	87360		776	82307	57105	32509	863//	09106	88709					776	01101	000	r.o.r.d.		+	
Kew	775	82209	60216	31709	853//	08103	82707	86710	88620		775	82306	58055	32311	864//	09205	85710	88711					775	01111	000	ir.r.r.d.o.d.o.		+
Heathrow	772	82407	66216	31809	853//	08004	85707	88612			772	82608	59012	32310	863//	09205	83709	88710					772	01111	000	r.o.r.o.r.d.o.r.o.		+
Honington	586	82107	58206	30509	853//	08109	81706	84707	88616		586	82306	18502	31509	860//	09108	85701	88702					586	91101	000	r.o.id.		d.o.
Wattisham	590	82111	50516	30608	5532/	07109	81707	85614	88459		590	82107	30105	31409	862//	08107	88703					590	92091	000	r.o.r.d.o.d.o.		d.o.	
Gorleston	497	82207	58254	30308	8097/	07103	88360				497	82104	40022	31809	863//	08216	88708					497		005				
Aberporth	502	82311	58506	31410	872//	10011	88704				502	82210	62505	32310	873//	09110	86708	88712					502	91101	000	ir.o.id.		id.o.
Filton	628	82614	57056	31210	853//	09000	82707	84612	88630		628	82710	59025	33310	853//	08209	82708	86615	88625				628	91101	000	d.o.		d.o.
Rhoose	715	82612	56206	32210	852//	09014	85705	87711			715	82612	64202	33310	853//	09115	82708	88611					715	97111	000	ir.o.d.o.		d.o.
Hartland Point	703	72514	70022	32210	7537/	10010	84708	87640			703	42720	74011	32909	15440	09211	81615	83360					703	00100	002			
Mount Batten	827	72707	59052	33811	75338	09008	81706	84710	87620		827	72607	58051	34410	753//	10312	81708	86716	87625				827	00111	002	+		+
St. Mary's	817	82409	58056	33911	852//	09008	83705	85708	88610		817	52206	62012	34408	16332	07213	81709	83360					817	00111	000	+		+
Scilly	804	62210	65021	33912	12536	11108	81820	86075			804	62208	75022	33810	15532	09211	81623	84360					804	00121	018	+		+
Culdrose	809	72607	62021	34111	36211	10107	81703	83704			809	52605	57102	34109	35331	09212	81707	83360					809	00111	000	+		+
Guernsey	894	72409	81031	35212	28402	08006	82815	86075			894	42405	80011	34909	00902	07301	84075					894	00121	036	+		+	
Elmdon	534	72405	61046	30310	6537/	09211	81708	85620	86360		534	82309	60042	31511	863//	09310	82708	88710					534	00111	006	+		+
Cardington	559	72310	60106	30610	764//	09003	86710	85615			559	82409	40102	31810	864//	10308	88711					559	92111	004	ir.o.r.o.		+	
Wittering	462	52513	61026	29810	26332	09003	82707	85075			462	82609	58042	31310	854//	09312	88615					462	92111	020	r.o.r.o.		+	
Watnall	354	72406	20206	29209	56202	08002	84704	87075			354	82607	40102	31010	863//	10213	88706					354	97111	000	r.o.d.o.		+	
Shawbury	414	72515	82016	29011	35438	10002	81710	83630	87275		414	72510	75022	31111	763//	09216	83709	87711					414	01121	000	r.o.r.o.r		+
Finningley	360	62305	50046	28011	45402	09304	84614	86075			360	81902	30102	29710	854//	09212	84712	83614					360	91111	008	ir.o.		+
Spurn Point	396	52207	40016	28308	50970	07302	85360				396	82410	40052	30009	855//	08213	88620					396			ir.o.		+	
Leeming	257	81705	60036	27610	853//	09211	81709	88612			257	71705	80022	28911	754//	09105	87614					257	00121	001	+		+	
Tynemouth	262	72509	69022	26310	755//	08606	87620				262	52006	66012	27509	50930	08001	85358					262	00111	000	+		+	
Carlisle	222	82707	60022	26710	862//	10118	84705	88709			222	82307	45514	27810	853//	10208	83707	86710	88620				222	93111	000	d.o.d.o.f		d.o.d.o.f
Valley	302	82112	58026	29210	864//	10111	88711				302	82016	59022	30010	864//	09108	82710	88712					302	97111	000	d.o.		+
Ringway	334	82107	12516	29410	870//	10211	88701				334	71905	56105	30710	764//	10312	81712	87715					334	91111	000	d.o.d.o.		+
Squires Gate	318	82412	15516	28209	870//	09110	88700				318	72208	62035	29709	753//	09213	82709	87620					318	91091	000	d.o.d.o.id.		id.o.
Ronaldsway	204	72510	65026	27411	762//	10109	84703	87705			204	82107	59102	28310	852//	09104	82704	85711	886148									

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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 SYNOPSIS DEVELOPMENT.

During the past 24 hours a low in mid-Atlantic has moved steadily northeast and deepened to form a very intense depression to the south of Iceland. Troughs of low pressure have crossed northern parts of the British Isles while southern parts have remained under the influence of a stationary anticyclone over northern France. During the next 24 hours

the anticyclone will remain stationary over northern France and the deep depression will continue to move northeast and start to fill slowly. A southwesterly airstream will persist over all parts of the British Isles and troughs of low pressure will continue to affect northern districts at times.

Issued at midday WEDNESDAY 14 DECEMBER 1977

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

OBSERVATIONS at 00h. 14 December 1977										OBSERVATIONS at 06h. 14 December 1977										OBSERVATIONS during NIGHT									
Station	iii	Nddff	VVwwwW	PPPTT	N _h Ch _s C _M C _H	T _d T _a app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwwW	PPPTT	N _h Ch _s C _M C _H	T _d T _a app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT _n T _n E	T _g T _g	WEATHER							
																						21h.—03h.	03h.—09h.						
Boscombe Down	746	12507	58101	34106	16400	06000	81713			746	92505	03454	33805	9////	05303	89/01			746	97031	00	f	ffff	ffff					
Hurn	862	02102	62101	34306	00900	06801				862	00000	03444	34205	00900	05305				862	00021	00	ffff	ffff	ffff					
Manston	797	82307	13505	33409	872//	09501	85704	88706		797	62508	56055	32909	663//	08500	86707			797	97061	04	d _o d _o id _o d _o	+	+					
Gatwick	776	82203	57102	33809	863//	08102	83709	88712		776	22204	34111	33605	16402	05301	81712			776	00041	52	+	if	if					
Kew										775	12302	65021	33107	16401	06500	81715			775	00061	51	+	f	f					
Heathrow	772	82104	62022	33609	864//	08003	88711			772	12005	60021	33407	16400	06002	81712			772	00051	01	+	fif	fif					
Honington	586	82208	40105	32210	862//	09003	85705	88707		586	72409	40051	32008	764//	07201	87711			586	00061	04	+	+	+					
Wattisham	590	82308	11515	32309	870//	09000	88700			590	82412	56055	32008	864//	07102	88710			590	97071	04	d _o d _o	+	+					
Gorleston	497	82206	44055	32109	862//	08400	88703			497	32511	66025	31709	35500	07400	83620			497										
Aberporth	502	72011	66035	32208	764//	07804	87711			502	22112	80011	31708	26400	06703	81711			502	00061	05	+	+	+					
Filton	628	12608	75011	33508	15400	07801	81615			628	72405	64031	33308	754//	06801	84710	87620		628	00061	02	+	+	+					
Rhoose	715	12205	70011	33607	15300	07201	81706			715	12407	68011	32907	15500	06501	81622			715	00051	51	+	+	+					
Hartland Point	703	22313	82020	33209	26230	08400	82703			703	22712	80020	32708	26300	08801	82706			703	00080	07								
Mount Batten	827	23602	04424	34407	26100	07801	82702			827	93002	01474	33705	9////	05802	89/00			827	00041	02	iffff	FFFF	FFFF					
St.Mawgan	817	01805	03464	34205	00900	05804				817	01904	10284	33805	00900	05000			817	92041	52	ff	f	f	f					
Scilly	804	22007	75021	34210	25600	08204	82630			804	22007	75020	33209	25600	08500	82630			804	00091	06	+	+	+					
Culdrose	809	00000	30101	34505	00900	05302				809	02002	56110	33806	00900	05002			809	97031	50	jf	+	+	+					
Guernsey	894	22404	80010	35508	26300	07804	82709			894	02103	81020	34808	00900	06301			894	00081	03	+	+	+	+					
Elmdon	534	12007	60041	32007	16400	06003	81715			534	71904	58101	31807	755//	06801	87620			534	00051	02	+	+	+					
Cardington	559	82506	50102	32810	863//	09003	88708			559	82511	56101	32607	864//	07104	88713			559	00051	03	+	+	+					
Wittering	462	22508	58101	32108	25400	07002	82613			462	32507	40100	31906	00901	05102	83075			462	00041	01	+	+	+					
Watnall	354	72307	59041	31309	764//	07000	87714			354	82309	50051	30707	856//	05702	88645			354	00061	00	+	+	+					
Shawbury	414	71806	78032	31209	754//	07801	87617			414	52311	78012	30409	45502	07809	84620	84075		414	00061	03	+	+	+					
Finningley	360	12408	65011	29908	15430	07204	81615			360	22008	62020	29006	25500	05705	82625			360	00051	01	+	+	+					
Spurn Point	396	82310	50022	30009	855//	08302	88624			396	02309	59011	29807	00900	06101			396			+	+	+	+					
Leeming	257	72111	80021	29111	754//	07001	87618			257	72608	80022	28110	2557/	06001	82620	87360		257	00081	07	+	+	+					
Tynemouth	262	52315	69022	27110	45630	08602	84635			262	72506	81022	25810	7093/	06708	87358			262	00091	07	+	+	+					
Carlisle	222	72413	62205	27110	754//	09802	83710	87622		222	72413	65012	26110	755//	08801	87624			222	92091	08	id _o d _o d _o	r _o r _o r _o	r _o r _o r _o					
Valley	302	82120	62021	29910	854//	08804	81712	88620		302	72217	62031	29710	764//	08502	87712			302	00091	07	+	+	+					
Ringway	334	41706	60021	30907	00901	07000	84075			334	31809	70011	30107	25501	06606	82625			334	00051	04	+	+	+					
Squires Gate	318	62311	65021	30307	654//	07105	86618			318	22212	65021	28807	15601	07706	81635			318	00061	03	+	+	+					
Ronaldsway	204	62217	66021	27910	653//	09805	81707	86636		204	72315	68022	27410	754//	08804	81712	87624		204	97091	07	+	r _o	r _o					
Mull of Galloway	131	32430	80011	26509	35600	08806	83630			131	82328	66021	25609	856//	08706	88630			131	91081									
Eskdalemuir	162	82017	25534	26408	872//	08704	88703			162	82113	50505	25908	872//	07001	88704			162	04071	07	d _o d _o ddff	d _o id _o d _o r _o dr	d _o id _o d _o r _o dr					
Prestwick	135	72317	65015	25311	755//	07610	81620	87640		135	82215	58584	24709	854//	08502	82710	83615	86620		135	01091	09	id _o d _o	d _o r _o r _o rr	d _o r _o r _o rr				
Abbotsinch	140	82110	60026	24510	853//	09605	82709	86712	88626	140	82214	50516	23509	853//	08500	82706	85708	86714		140	91091	08	d _o d _o	d _o r _o d _o d _o	d _o r _o d _o d _o				
Leuchars	171	82316	58026	23211	863//	09709	84709	88711		171	72416	70022	21709	754//	07710	81712	87640		171	97091	07	d _o	+	+	+				
Dyce	091	82112	84026	21210	1557/	07817	81622	88464		091	82015	84032	19609	8097/	07708	85462	88365		091	94061	05	rr _o	+	+	+				
Lerwick	005	82008	62616	18007	3562/	05803	83630	88458		005	82121	60636	13209	854//	08518	85710	88622		005	03062	03	r _o r _o rr	r _o r _o rr	r _o r _o rr					
Wick	075	81712	65056	18908	6572/	06727	86650	88462		075	72014	75022	16409	5553/	06710	83625	85645	87360		075	01071	04	ir _o r _o r _o	+	+				
Sule Skerry	010	81619	66606	17009	8092/	08730	88458			010	82328	64516	14110	855//	10301	88620			010	03072	08								
Cape Wrath	049	82309	71505	16010	873//	08734	88708																						

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

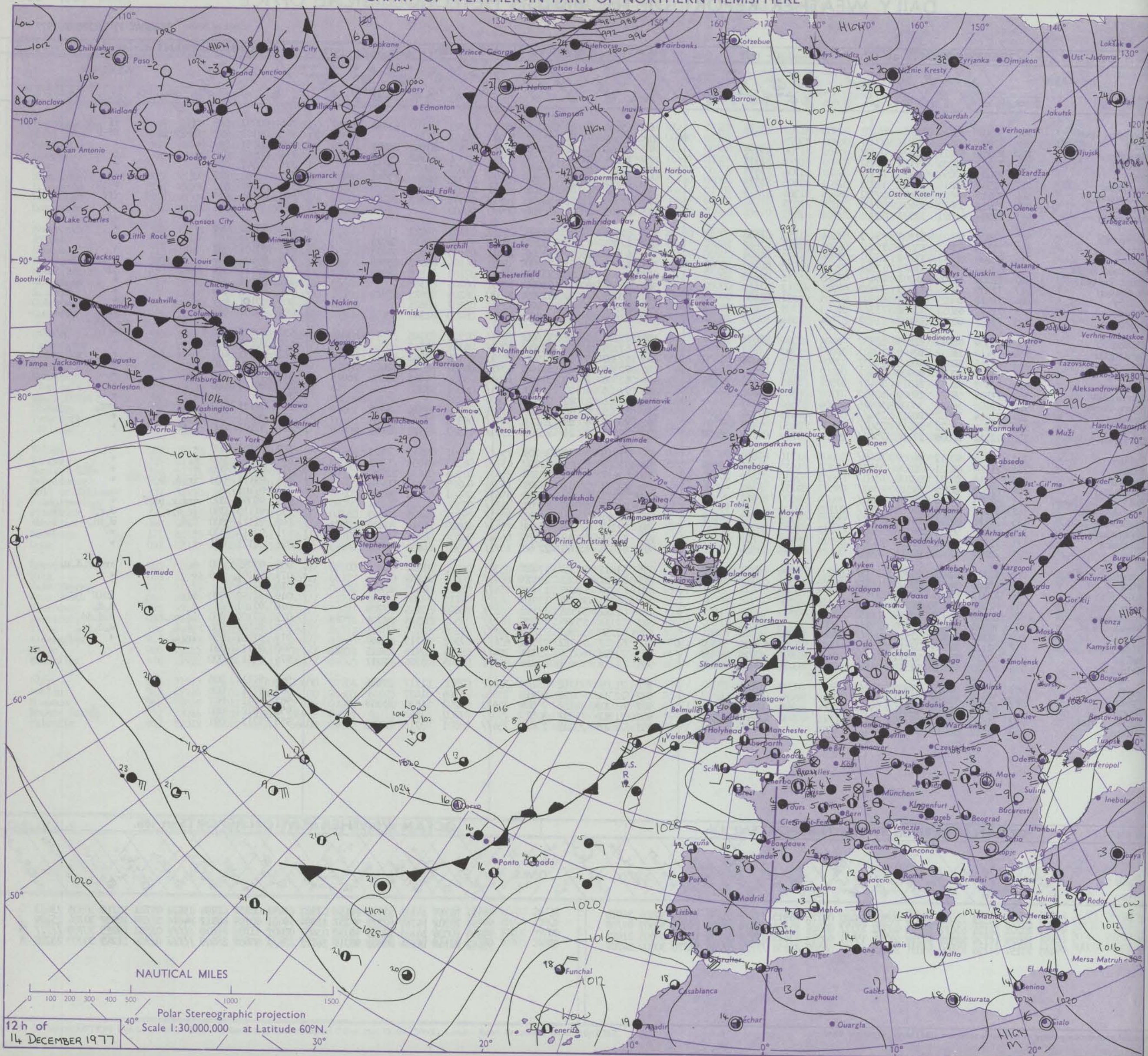
ISSN 0307-2541

Date of Issue THURSDAY 15 DECEMBER 1977

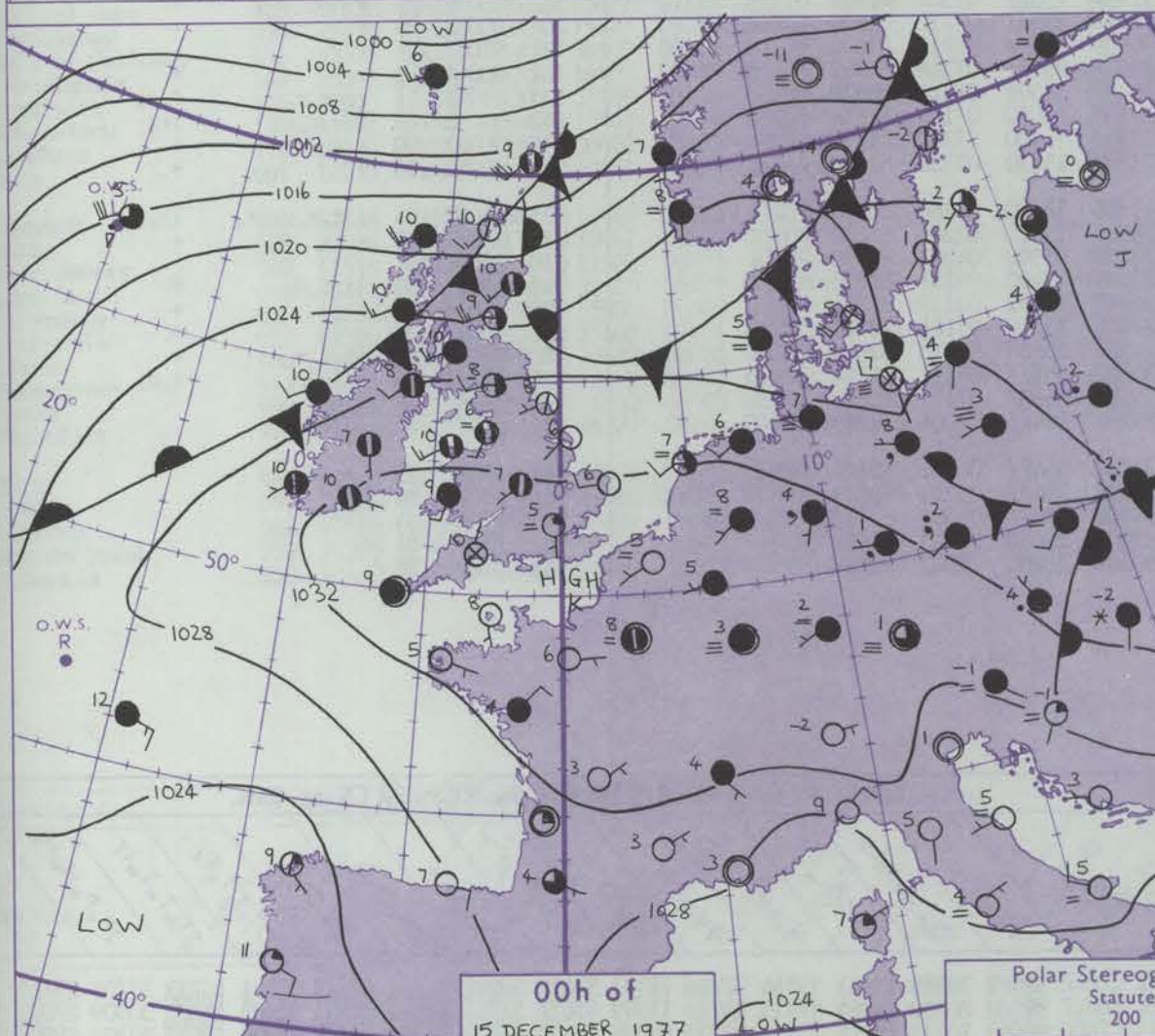
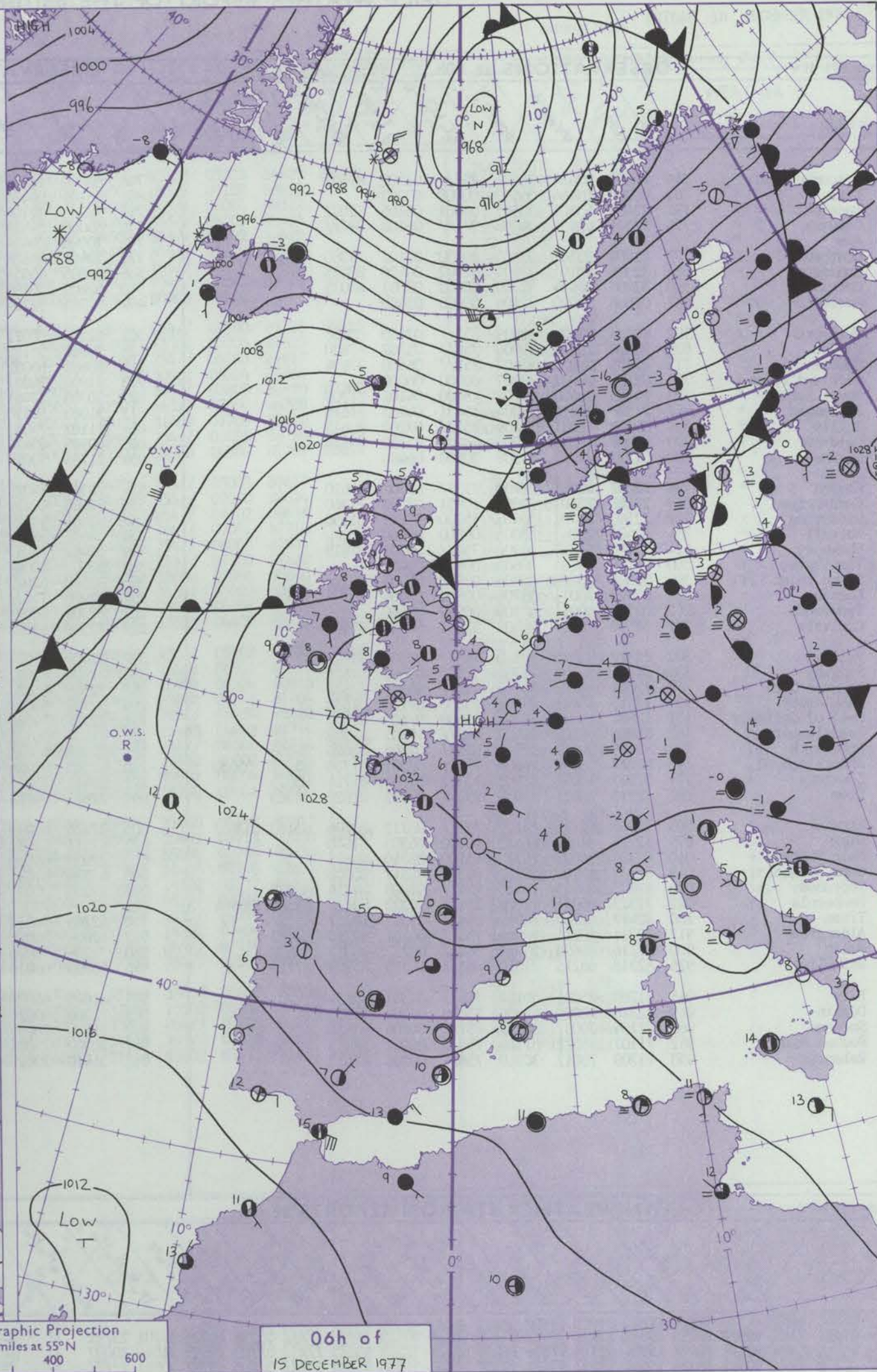
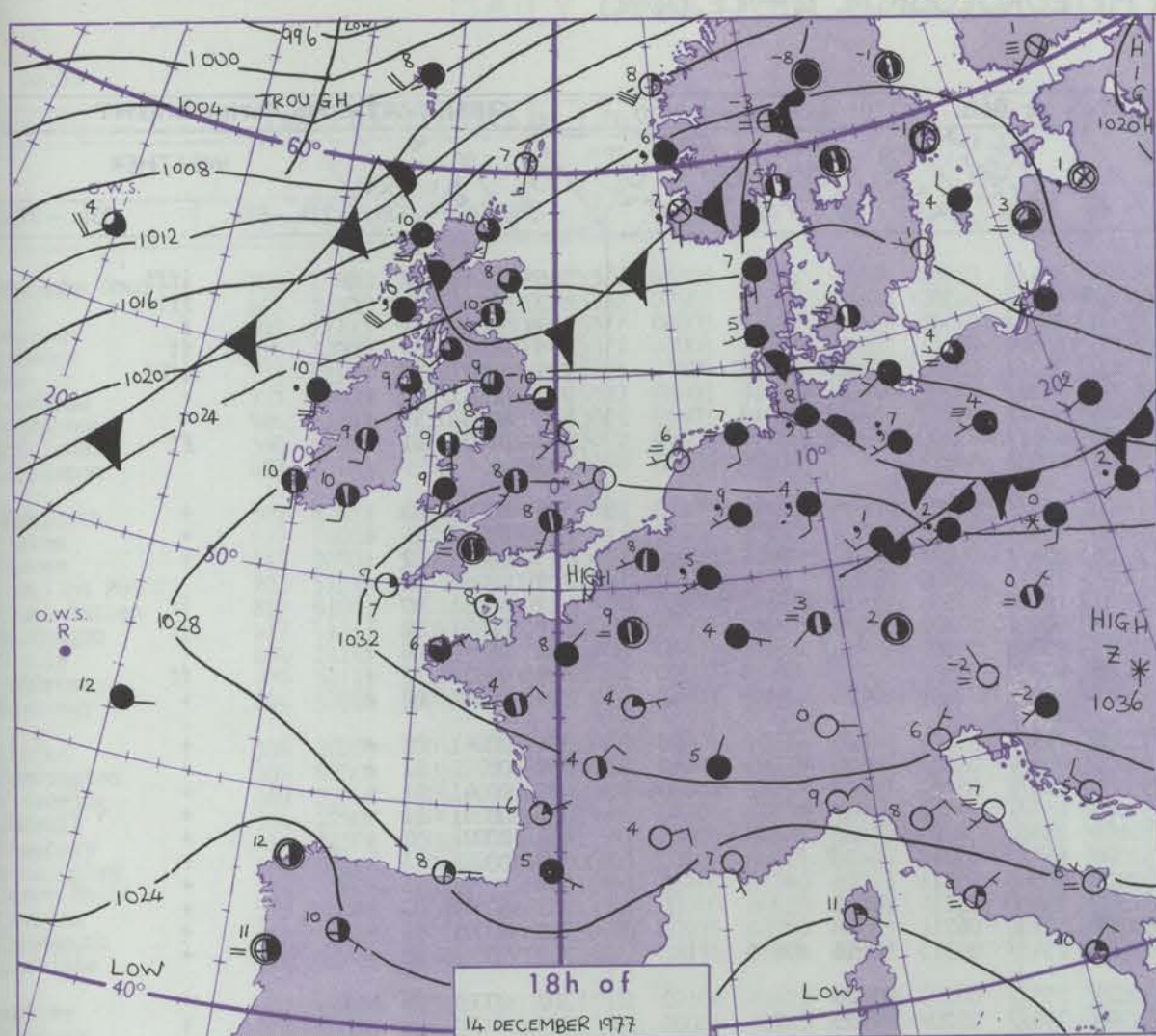
No. 42392

OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY									
14 December 1977										14 December 1977																			
Code FM II.V	Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RRT	T _e	SS	WEATHER					
																								09h.—15h.	15h.—21h.				
Code FM II.V	Boscombe Down	746	52803	30224	33808	16102	07805	81702	85075		746	60000	58102	33306	35402	05003	81710	83650	85075	746	00091	035	ffif		ff				
	Hurn	862	52905	01464	34406	00901	06803	85075		862	30000	03464	33705	36000	05103	83700				862	00101	022	ff-ff-if		ff-F				
	Manston	797	72309	58021	33509	16332	07802	81706	87072		797	52208	56102	33006	30971	06501	83362	84072		797	00091	027	+		+				
	Gatwick	776	72307	61024	33809	11432	07803	81810	87075		776	72506	60022	33305	70957	05001	87362			776	00091	030	+		+				
	Kew	775	72405	58054	33607	16331	06802	81706	87075		775	72306	62022	32908	65701	06202	86656	87075		775	00091	024	f		+				
	Heathrow	772	72504	58014	33907	36332	07801	83706	87078		772	72105	57052	33008	65722	07002	86656	87075		772	00101	027	if		+				
	Honington	586	72410	64022	32109	10932	06805	81364	87075		586	32206	40101	32505	20932	05107	82360			586	00091	012	+		+				
	Wattisham	590	72411	60022	32409	00902	07901	87075		590	22309	22101	32404	10932	04001	81362				590	00091	017	+		iff				
	Gorleston	497	72408	64021	32009	00901	07704	87075		497	02407	60011	31907	00900	06400					497		017							
	Aberporth	502	71909	63021	32709	75422	07804	81712	87650		502	81909	70022	32309	85577	07302	83622			502	00101	000	+		+				
	Filton	628	72508	66012	33609	25402	06808	82615	87072		628	72305	60052	33307	25432	05201	82614	86075		628	00091	011	+		+				
	Rhoose	715	62106	66011	33409	18431	07804	81812	86075		715	60000	66022	33006	15571	05103	81620	86075		715	00101	021	+		+				
	Hartland Point	703	62408	80011	33409	12531	08802	81820	84360	86075	703	72409	78022	32709	55531	06104	85622	86360		703	00100	037			+				
	Mount Batten	827	71004	18104	34007	75477	07805	85712	87622		827	41902	65016	33308	18431	07103	81816	83362		827	97111	014	fir.		jf				
	St. Mawgan	817	72105	75024	33809	74432	07805	81812	87616		817	21806	60011	33606	10931	06205	81360			817	00101	020	+		+				
	Scilly	804	71811	80021	33011	68502	08805	81821	86630		804	22005	20011	32909	25500	06205	82625			804	00111	005	+		+				
	Culdrose	809	71902	65051	33808	78377	07803	81709	87625		809	51902	62052	33408	35501	06307	83625			809	00101	037	+		+				
	Guernsey	894	72107	80021	35109	11432	07704	81814	87075		894	21604	78021	34208	10932	06400	81362			894	00101	016	+		+				
	Code FM II.V	Elmdon	534	62309	62042	32109	20932	06804	82360	85075		534	72206	50042	31908	70937	07201	87365			534	00101	028	+		+			
Cardington		559	72410	59052	32409	10932	07807	81362	87072		559	52208	50102	32506	50937	06307	85362			559	00101	019	+		+				
Wittering		462	62715	56051	31609	20932	07809	82362	86075		462	52307	50012	31906	20931	06104	82362	84075		462	00091	031	+		+				
Watnall		354	72415	60032	30909	60972	06807	86359		354	72506	58041	31108	60972	06803	86362	87080			354	00100	010	+		+				
Shawbury		414	72409	81031	31310	38457	07501	81815	83650	87359	414	62306	76032	31607	15641	05500	81645	83360	86075	414	00101	006	jp		+				
Finningley		360	71702	64021	29909	60952	07702	86360	86075		360	72005	40102	30007	70957	06001	87360			360	00111	010	+		+				
Spurn Point		396	72408	56021	30008	50976	06604	85360	87275		396	02306	57011	30507	00900	06207				396			+		+				
Leeming		257	72414	70602	28911	75477	07801	85615	87650		257	52305	75016	29210	55401	07303	82614	84645		257	01121	009	r _o rr		rrr.				
Tynemouth		262	72304	61022	27511	35677	08208	83630	87358		262	70000	69022	28111	35577	09306	83625	87358		262	00111	000	+		+				
Carlisle		222	72512	60606	27710	75477	09000	81710	84712	86650	222	62607	69026	28309	55437	08307	81712	83645		222	97101	000	r _o ir.		+				
Valley		302	71714	69012	31009	58437	08001	81716	85650		302	71715	75032	30709	75477	08301	82713	87622		302	00101	000	+		+				
Ringway		334	71708	62021	31509	35572	06202	81625	83656	87359	334	72003	62022	31208	45702	06203	84650	85075		334	00101	003	+		+				
Squires Gate		318	72514	70021	30209	45637	08000	82630	83650	87360	318	52411	70021	30508	25631	07306	81630	83362		318	00091	000	+		+				
Ronaldsway		204	82312	62215	29510	65477	09007	81711	86622	88460	204	32213	66011	29309	16331	08203	81708			204	93111	003	ir _o d _o		+				
Mull of Galloway		131	82325	74216	27909	45627	09004	84630	88460		131	72115	84026	28110	55637	08101	85630	87360		131	01101								
Eskdalemuir		162	82112	20506	27803	87077	07105	88701			162	81807	25105	27808	86277	07308	88703			162	96091	000	drd _o r _o id _o f		+				
Prestwick		135	82111	62216	27110	85377	09008	81708	85712	88616	135	62211																	

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

During the past 24 hours a deep low moved rapidly northeast from Iceland. Associated troughs of low pressure crossed northern parts of the British Isles. An anticyclone over northern France remained almost stationary. During the next 24 hours a further

depression is expected to form near Iceland, with troughs of low pressure moving across the northwest of the British Isles. The anticyclone over northern France will persist.

Issued at midday THURSDAY 15 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h. 15 December 1977										OBSERVATIONS at 06h. 15 December 1977										OBSERVATIONS during NIGHT					
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT _n T _n E	T _g T _g	WEATHER					
																						21h.—03h.	03h.—09h.				
Boscombe Down	746	71805	02424	34301	755//	01202	87621			746	80000	11284	34404	854//	03202	88618			746	97011	00	fff	ffff				
Hurn	862	00000	03444	34503	00900	03203				862	63101	04414	34601	654//	01302	86616			862	92011	51	ff	ffif				
Manston	797	22405	45101	33505	00901	05105	82072			797	72706	32104	33904	755//	04305	87620			797	97031	51	f	f				
Gatwick	776	92304	01454	34006	9////	06102	89///			776	60000	04424	34303	65500	03301	86620			776	91011	52	ffff	ff				
Kew										775	70000	04414	33904	755//	03202	87620			775	00021	52	+	ffff				
Heathrow	772	21804	28101	33805	20930	05102	82360			772	72402	40104	34105	755//	05202	87624			772	00041	52	ff	+				
Honington	586	32306	20101	32604	00902	04400	83075			586	62605	45051	33305	655//	04207	86622			586	91031	51	+	+				
Wattisham	590	32408	01464	32703	00902	03001	83075			590	62609	30104	33603	654//	03208	86619			590	91021	51	fff	ff				
Gorleston	497	02608	56020	32106	00900	05400				497	02705	32284	33404	00900	04213				497								
Aberporth	502	82008	65022	32609	855//	07400	88628			502	82106	80022	33808	855//	06303	88625			502	00061	03	+	+				
Filton	628	70000	25051	34006	756//	05302	87630			628	70000	58102	34606	756//	05303	87635			628	00051	51	+	+				
Rhoose	715	72305	68022	33407	755//	06500	87624			715	80602	66032	34106	854//	06202	81710	88622		715	00061	02	+	+				
Hartland Point	703	02108	66021	33207	00900	06000				703	71808	74021	33808	755//	06400	87620			703	00060	03						
Mount Batten	827	11103	28400	34004	15200	04102	81705			827	10703	22401	34003	15400	03500	81618			827	00031	50	jf	jf				
St. Mawgan	817	21606	62110	34004	15431	04203	81616			817	31005	50110	34105	00901	04500	83075			817	00031	52	+	jf				
Scilly	804	80000	71031	33209	854//	07203	88615			804	11102	75031	32907	15400	06602	81818			804	00071	04	+	+				
Culdrose	809	41205	65031	33906	48400	05302	84814			809	00905	05424	33803	00900	03501				809	97021	51	+	ff				
Guernsey	894	01707	72011	34508	00900	06400				894	21705	50050	34307	00902	07303	82075			894	00061	02	+	+				
Elmdon	534	72207	62041	32707	755//	05302	87620			534	72306	65022	33308	755//	05304	87620			534	00041	01	+	+				
Cardington	559	22408	25101	32903	10931	03602	81360			559	72605	40101	33806	755//	06104	87626			559	00021	51	+	+				
Wittering	462	12509	20101	32405	15700	05601	81656			462	82404	59021	33606	855//	05210	88623			462	00041	51	+	+				
Watnall	354	02407	22041	32005	00900	04000				354	82602	58041	33606	855//	05313	88622			354	00041	51	+	+				
Shawbury	414	72006	66031	31908	754//	06301	87619			414	52402	75012	33108	35502	06107	83622	84075		414	00021	52	+	+				
Finningley	360	02104	19281	30603	00900	03805				360	62309	50041	32006	655//	05212	86625			360	00021	53	if	+				
Spurn Point	396	02308	50020	30906	00900	05703				396	02508	62020	32006	00900	05211				396			+	+				
Leeming	257	01805	70011	29709	00900	05204				257	52406	75031	31308	55500	05214	85622			257	00061	01	+	+				
Tynemouth	262	02307	80011	28109	00900	05400				262	52304	80031	30209	50930	06211	85353			262	00071	03	+	+				
Carlisle	222	52510	70031	28808	55501	07301	85620			222	72510	63021	30409	754//	08313	82616	87635		222	00081	03	+	+				
Valley	302	72317	70022	30810	755//	05302	87620			302	72408	75031	32609	755//	08208	87620			302	00081	06	+	+				
Ringway	334	71806	58031	31705	755//	05802	87625			334	71904	62022	32706	755//	05208	87625			334	00051	03	+	+				
Squires Gate	318	72008	40101	30906	756//	05201	87633			318	72503	65031	32107	755//	07309	87620			318	00021	51	+	+				
Ronaldsway	204	12513	65011	29609	15600	07103	81630			204	82707	65011	31608	855//	08110	81625	88648		204	00081	04	+	+				
Mull of Galloway	131	12414	82011	28708	15600	08103	81630			131	72508	84028	30909	756//	08212	87630			131	97071							
Eskdalemuir	162	81914	40102	28407	862//	07801	88703			162	81806	30102	30607	861//	07314	88702			162	00061	01	+	+				
Prestwick	135	82415	68022	27510	855//	07305	84628	88656		135	32513	65016	30309	35501	08314	83620			135	01041	51	r _o rr _o r _o	d _o r _o				
Abbotsinch	140	82214	56586	26609	7532/	08308	81708	85712	85630	140	12311	65016	29109	15400	07114	81616			140	02051	02	ddd _o r _o rr	ir _o				
Leuchars	171	52523	65011	23909	15432	07706	81714	85075		171	22411	75011	27703	25400	07320	81710			171	00041	00	+	+				
Dyce	091	72213	80021	21910	2553/	07502	81620	86363		091	22612	84011	27109	15630	03336	81630			091	00051	50	+	+				
Lerwick	005	72235	62216	13109	753//	08712	82706	85710	87637	005	32825	65016	19306	35600	00264	83637			005	01051	03	d _o r _o r _o r _o ir _o	ir _o				
Wick	075	12215	81011	18610	15600	06305	81640			075	12511	82011	25505	15630	02245	81640			075	00041	50	+	+				
Sule Skerry	010	42333	66021	14310	45500	08710	84625			010	22937	66010	23008	25500	04257	82620			010	00061	07						
Cape Wrath	049	82330	40205	16010	863//	06317	88708			049	43230	81035	23109	48400	06231	82815	84620		049	91071	06	id _o d _o d _o	+				
Stornoway	026	82423	68015	18410	854//	07208	84714	88629		026	12507	80011	26305	10930	03132	81364			026	00031	51	+	+				
Benbecula	022	72523	65015	21809	3547/	04323	83617	85360	86464	022	32509	70021	27908	35500	05121	83621			022	00072							

Code FM 21.V		OCEAN WEATHER STATION REPORTS at 00h.														OCEAN WEATHER STATION REPORTS at 06h.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
O.W.S.	iii	99	L _a L _a L _a	Q _c	L _o L _o L _o L _o	YY	GG	L _w	Nddff	VV	ww	W	PP	PTT	N _h	C _h	C _M	C _H	D _s	app	8N _s	Ch _s	h _s	8N _s	Ch _s	h _s	OT _s	T _s	T _d	IT _w	T _w	T _{wt}	TP _w	P _w	H _w	H _w	d _w	d _w	P _w	H _w	H _w	H _w																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		99	L _a L _a L _a	Q _c	L _o L _o L _o L _o	YY	GG	L _w	Nddff	VV	ww	W	PP	PTT	N _h	C _h	C _M	C _H	D _s	app	8N _s	Ch _s	h _s	8N _s	Ch _s	h _s	OT _s	T _s	T _d	IT _w	T _w	T _{wt}	TP _w	P _w	H _w	H _w	d _w	d _w	P _w	H _w	H _w	H _w																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
C M R		99527	70355	15001	72906	98032	08103	58550	00119	////	////	////	05756	10726	3//01	23//11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

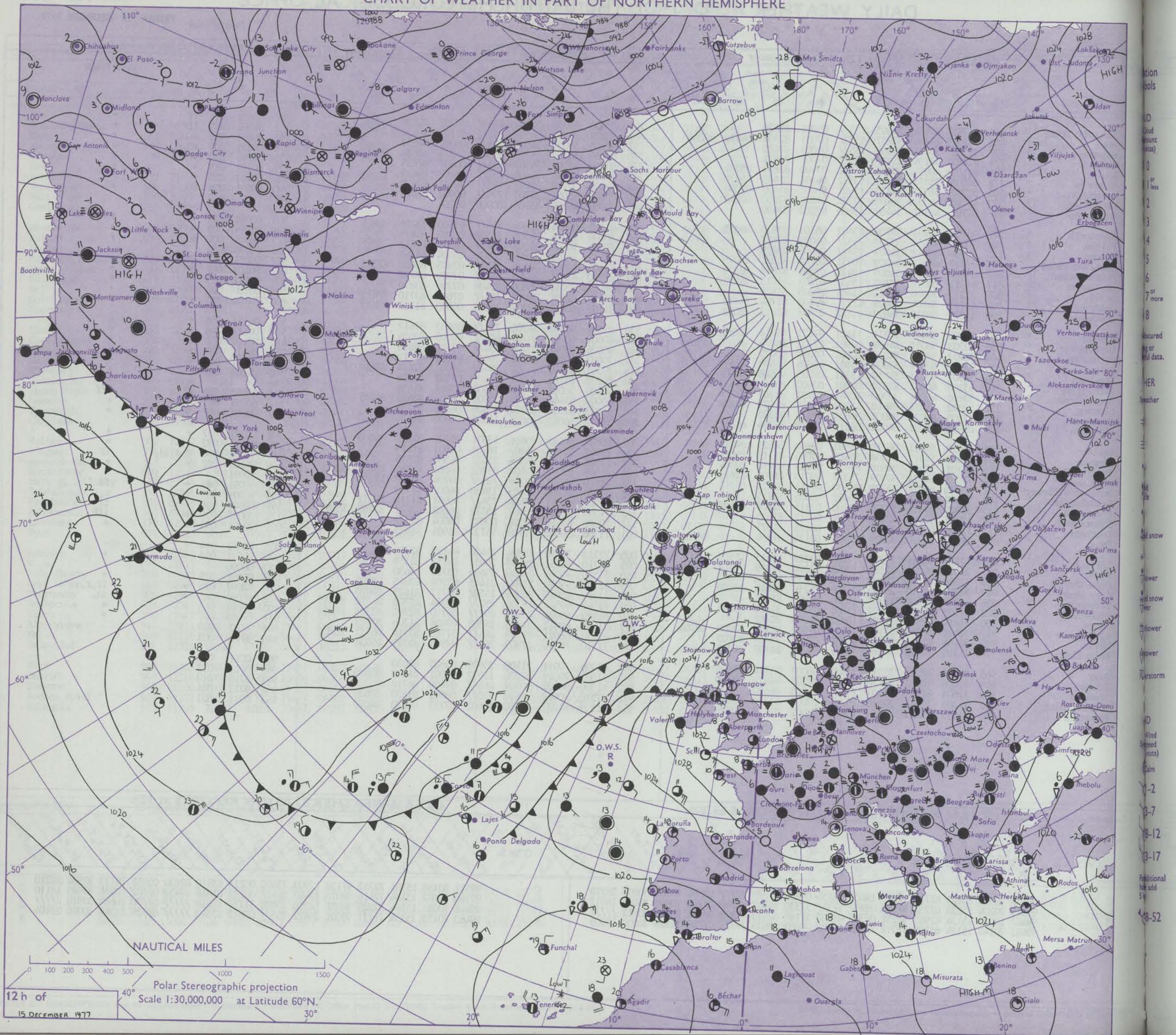
ISSN 0307-2541

Date of Issue FRIDAY 16 DECEMBER 1977

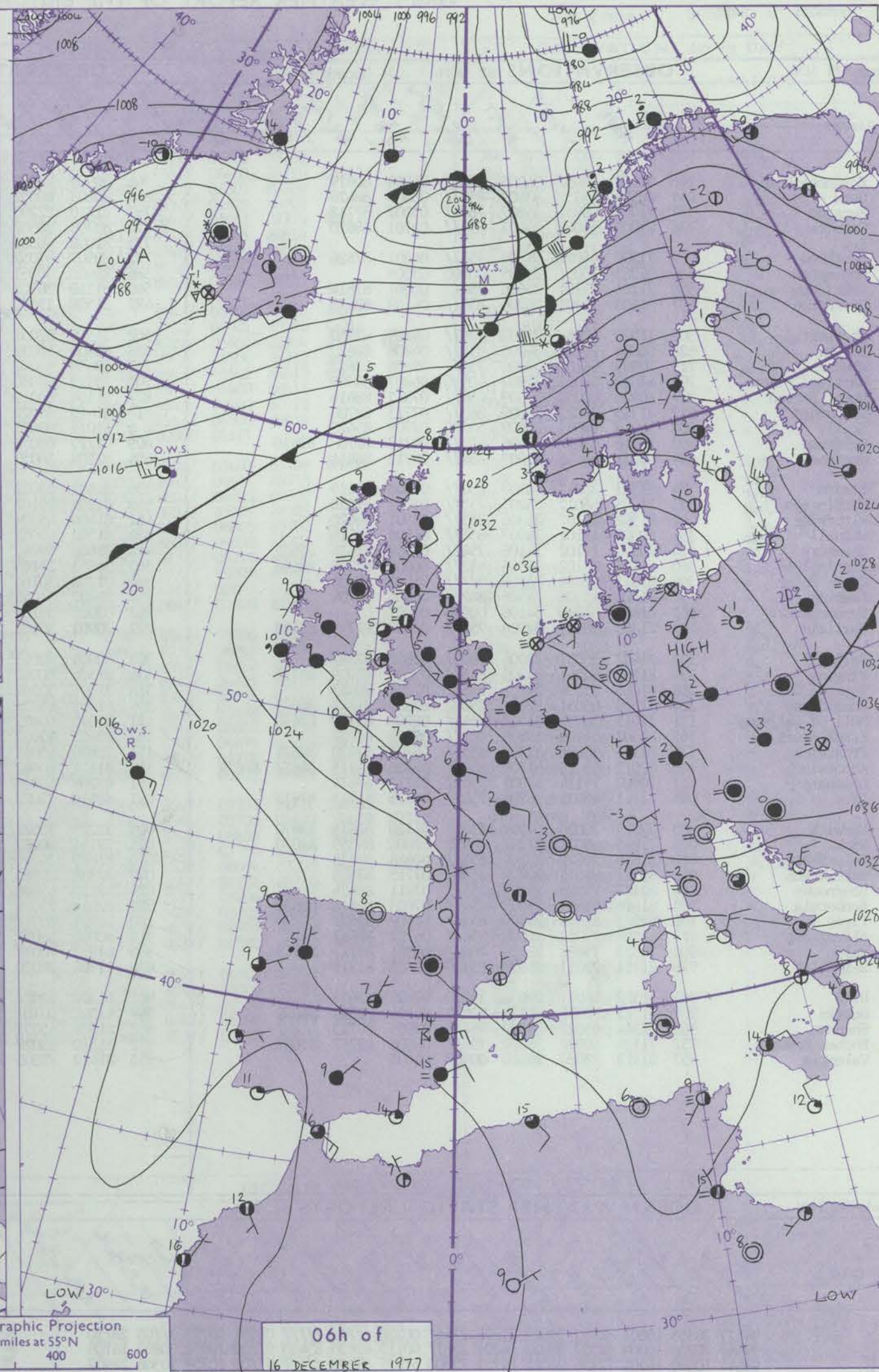
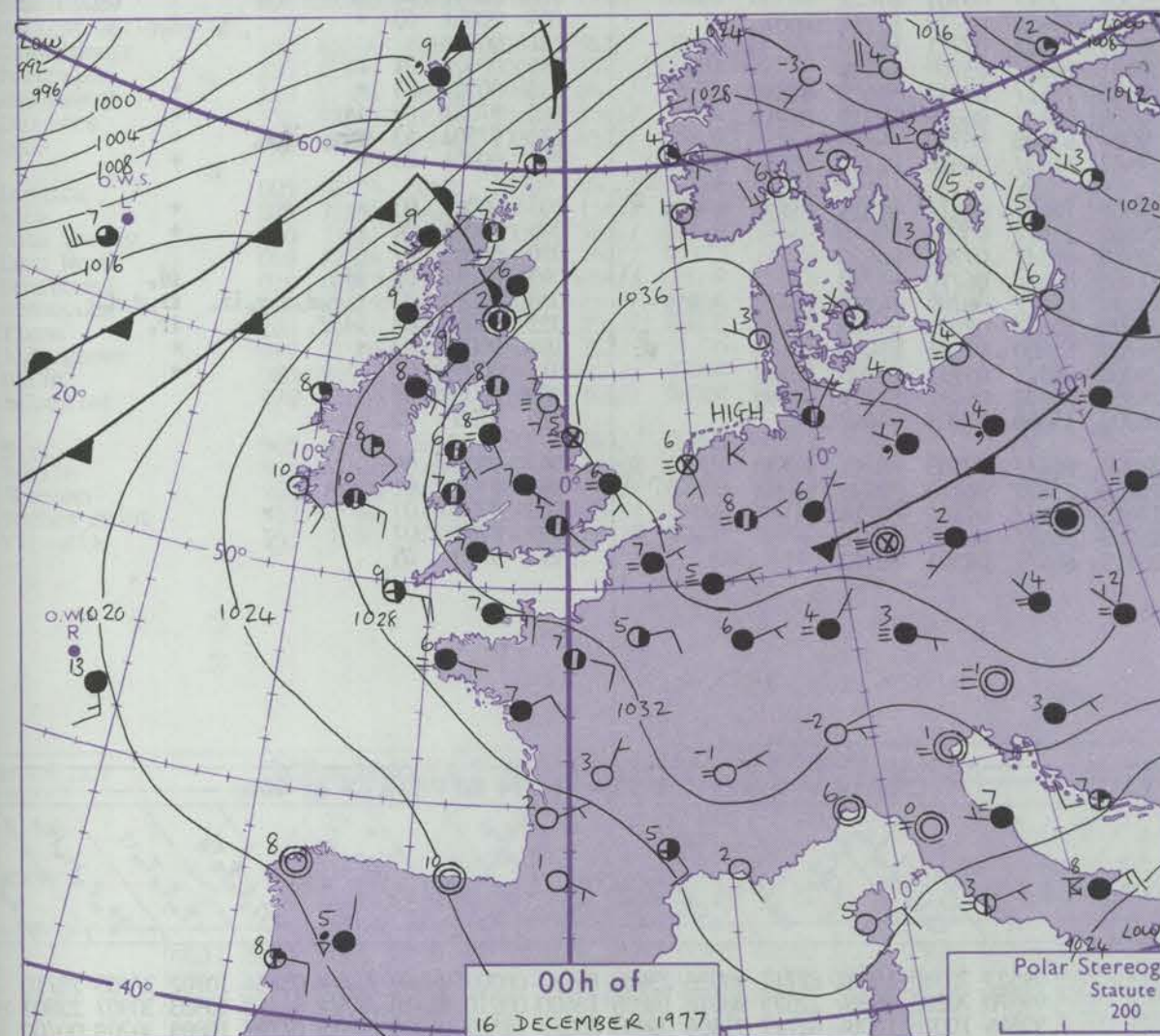
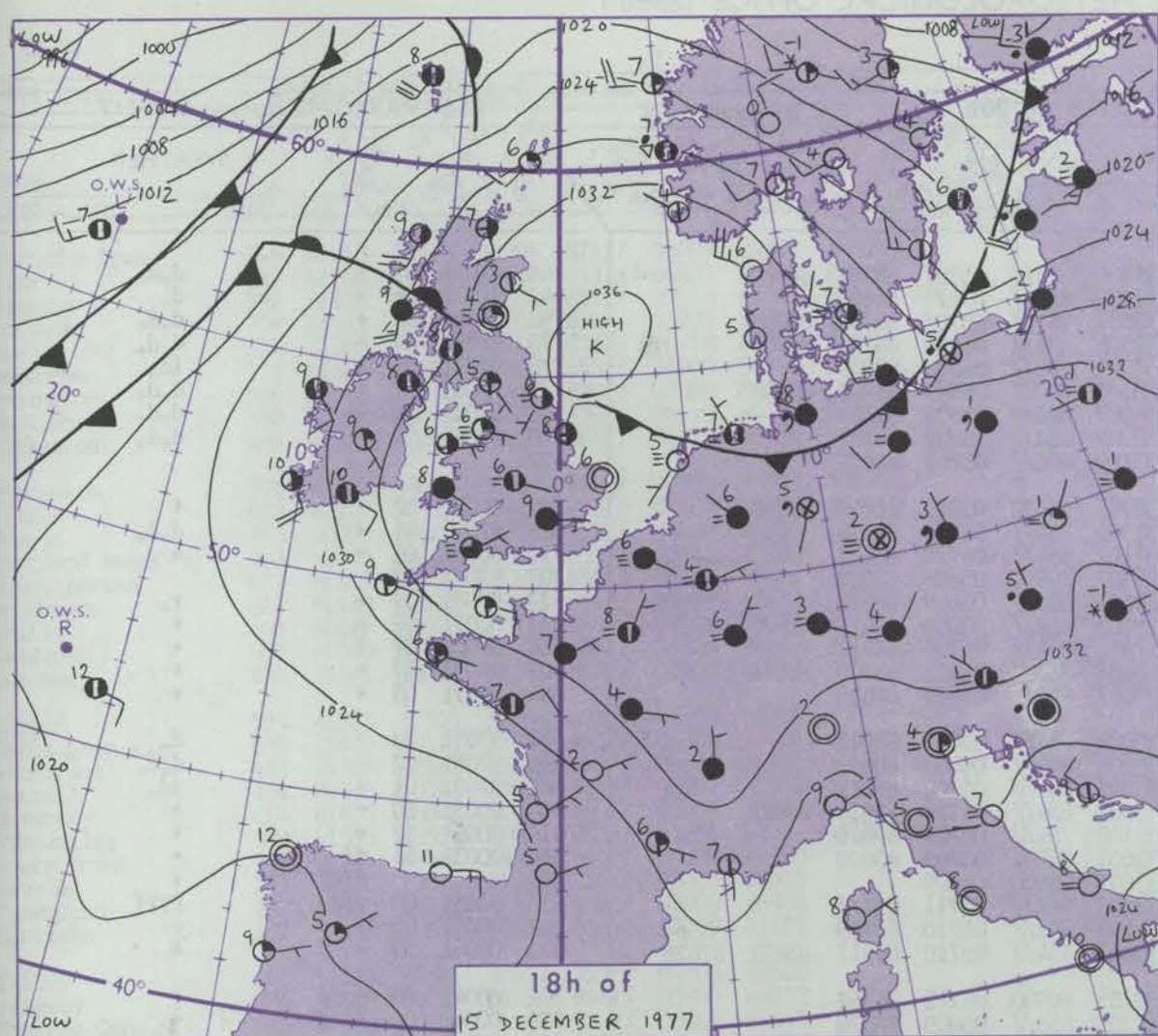
No. 42393

No.	42393																												
OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY									
15 December 1977										15 December 1977																			
Code FM II.V																													
Station	iii	Nddff	VVwwW	PPPTT	N _h C _L hC _H	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwwW	PPPTT	N _h C _L hC _H	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RRT	T.F	SSs	WEATHER						
																							09h.—15h.	15h.—21h.					
Boscombe Down	746	71705	26104	35205	755//	05801	87620			746	70000	56052	34706	4553//	05303	84620	86360		746	00071	001	jf		+					
Hurn	862	70202	18104	35207	5533//	07801	82706	84620	87358	862	80402	28102	34507	855//	07102	88624			862	00091	005	iff		+					
Manston	797	72702	50052	34508	755//	06803	87622			797	80202	57052	34508	855//	06001	88621			797	00091	004	+		+					
Gatwick	776	72402	32104	35307	755//	07001	87626			776	80000	30102	34706	855//	06205	88624			776	00081	002	+	if	+					
Kew	775	62103	40054	34908	15731	07400	81650	85075		775	80000	25102	34507	855//	06302	88625			775	00091	020	+		+					
Heathrow	772	62003	35052	35108	15532	06801	81628	85078		772	80901	40051	34609	855//	05102	88625			772	00101	019	+		+					
Honington	586	52302	58031	34110	15601	05801	81630	85080		586	70402	30102	35007	755//	06101	87620			586	00101	023	+		+					
Wattisham	590	42404	42051	34208	25702	05802	82650	83070		590	70802	45051	34707	754//	05002	87619			590	00091	026	+		+					
Gorleston	497	32703	48101	34406	35600	05000	83630			497	00000	40050	35406	00900	05204				497		017								
Aberporth	502	41605	81031	34708	25602	05103	82630	84075		502	81305	62031	33808	854//	07500	83716	88625		502	00091	022	+		+					
Filton	628	70000	22052	35309	755//	06001	87627			628	10000	12101	34905	15500	05203	81625			628	00091	003	+		+					
Rhoose	715	70904	58042	34907	755//	06003	87620			715	71006	56042	34208	754//	06303	87617			715	00081	000	+		+					
Hartland Point	703	51210	68012	34009	20931	06400	82360	85075		703	51413	68022	32807	50931	05204	85360			703	00090	052								
Mount Batten	827	61009	70021	34009	15438	07804	81618	86275		827	71105	58052	32608	3553//	07805	83620	87362		827	00091	041	jf		+					
St. Mawgan	817	41311	60051	33709	15431	07803	81615	84075		817	81310	65031	32209	863//	07500	88708			817	00101	047	jf		+					
Scilly	804	21215	70010	32211	11401	09805	81818			804	31017	82011	30809	31409	07706	83810			804	00111	035	+		+					
Culdrose	809	51111	58104	33409	42231	09802	81704	84818		809	71112	62051	30909	754//	07605	83710	87615		809	00100	028	F		+					
Guernsey	894	51010	66012	34609	11432	07803	81812	83362		894	31109	60011	33307	35300	06500	81707	83611		894	00101	034	+		+					
Elmdon	534	30000	50041	34311	11401	07801	81818	83075		534	71101	50101	34706	754//	05003	87617			534	00111	056	+		+					
Cardington	559	62503	58051	34609	00901	07703	86075			559	80602	50051	34708	855//	07000	88624			559	00111	044	+		+					
Wittering	462	32907	58041	34208	00901	06802	83075			462	80206	38041	35108	854//	07102	88616			462	00101	050	+		+					
Watnall	354	22908	60041	33909	15601	06806	81630			354	70603	10101	35207	764//	07001	87712			354	00111	049	+		+					
Shawbury	414	32503	80021	34510	15541	06005	81628	83075		414	70302	56101	34806	754//	06003	82614	87618		414	00121	049	+		+					
Finningley	360	63208	40041	33610	00901	07400	86075			360	70202	25102	34607	755//	07102	87620			360	00101	053	+		+					
Spurn Point	396	32806	40051	33707	10941	05107	81360	83075		396	50208	58011	34608	55600	07001	85630			396										
Leeming	257	52902	75031	33610	15502	07305	81625	85075		257	40000	01464	35005	35501	05003	83620	84075		257	00101	059	+		Fff					
Tynemouth	262	32505	69021	34009	30930	07216	83360			262	41605	61020	35407	00908	06106	84275			262	00091	047	+		+					
Carlisle	222	83602	34102	34008	862//	08110	86704	88707		222	31405	56041	34005	15532	04400	81624			222	00091	007	+		+					
Valley	302	41610	82011	34110	15531	07108	81625	84080		302	40804	80011	33606	15531	05102	81622	84080		302	00101	037	+		+					
Ringway	334	52402	57012	34808	55401	06005	81713	85616		334	11002	25111	34807	16401	06501	81715			334	00091	002	+		+					
Squires Gate	318	82102	59504	34608	854//	07114	82710	88614		318	21003	02465	34506	25401	06304	82615			318	97081	000	d.o.id.		ff					
Ronaldsway	204	72602	64021	34009	753//	09010	81708	87617		204	71509	68032	33608	55202	08101	81704	85627	86075	204	00101	002	+		+					
Mull of Galloway	131	30000	66018	33709	38500	09111	82825			131	71810	66021	32709	785//	08704	83820	87630		131	97091									
Eskdalemuir	162	20000	60051	33708	16402	05005	81715			162	20000	56101	34505	15430	04002	81710			162	00091	044	+		ff					
Prestwick	135	31002	61024	34307	35200	07116	81705	83620		135	71507	65031	33408	754//	06001	81714	87617		135	97091	037	ff		r.o.					
Abbotsinch	140	12802	50041	33807	15501	06017	81625			140	71006	57044	33007	25532	05002	82622	83362	85075	140	00081	036	+		if					
Leuchars	171	12406	82020	33707	00901	05125	81075			171	20000	05410	33304	00902	04004	82075			171	00093	054	+		iff					
Dyce	091	10000	86020	33007	10931	03124	81364			091	11306	56040	32703	15730	01001	81650			091	00101	055	+		+					
Lerwick	005	12718	70011	25607	11400	03128	81815			005	22112	70010	28906	21400	04110	82815			005	00081	014	+		+					
Wick	075	22008	84030	31106	10942	01320	81359			075	51710	84031	29907	20932	04713	82359	84070		075	00071	048	+		+					
Sule Skerry																													

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

An anticyclone over Northern France intensified slowly during the past 24 hours as it drifted north into the southern North Sea and then southeast into Northern Germany. Most of Britain remained in its circulation but frontal troughs affected the extreme north and northwest, and weak fronts affected other districts at times. Surface air remained

moist. During the next 24 hours the anticyclone is expected to move slowly east maintaining a southerly airstream over Britain with frontal troughs affecting the extreme north and northwest.

Issued at midday FRIDAY 16 DECEMBER

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

Code FM II.V		OBSERVATIONS at 00h. 16 December 1977										OBSERVATIONS at 06h. 16 December 1977										OBSERVATIONS during NIGHT					
Station	iii	Nddff	VVwwW	PPPTT	N _h L _h C _h M _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwW	PPPTT	N _h L _h C _h M _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RR _n T _n E	T _g T _g	WEATHER					
																						21h.—03h.	03h.—09h.				
Boscombe Down	746	81107	59052	34005	854//	04804	88619			746	80909	48502	31906	853//	05707	83707	88610		746	91051	05	+	d.o.d.				
Hurn	862	80504	45052	33507	855//	05808	88626			862	80803	40052	31208	855//	07611	88621			862	97071	06	+	d.o.				
Manston	797	71407	68031	35207	764//	05002	87712			797	81210	22202	33607	861//	06707	84702	88703		797	97061	03	+	d.o.d.				
Gatwick	776	81005	58042	34607	855//	05701	88620			776	80706	20502	32506	871//	06609	85702	88704		776	97061	04	+	d.o.d.				
Kew										775	81006	40502	32907	873//	06708	88709			775	97071	01	+	id.				
Heathrow	772	71302	65022	34807	755//	04801	87626			772	80907	57052	33107	863//	06609	82706	88708		772	97061	02	+	d.o.d.				
Honington	586	01203	25051	35705	00900	05004				586	81406	40051	34007	863//	05809	88707			586	97041	00	+	d.o.d.				
Wattisham	590	71106	25101	35606	754//	05001	87614			590	81310	30502	33707	861//	06709	88702			590	91061	02	+	d.o.d.				
Gorleston	497	81503	15101	36206	855//	06103	88625			497	81508	15052	35107	855//	06705	88625											
Aberporth	502	71510	60051	32507	7097//	04809	87360			502	31516	62051	30305	15630	03812	81640	83360		502	00041	02	+	+				
Filton	628	80804	20101	34005	855//	04806	88622			628	80806	50052	32306	854//	04610	88614			628	97041	01	+	d.o.				
Rhoose	715	70905	56101	33306	755//	05805	87622			715	80809	59042	31107	854//	04712	88617			715	00051	01	+	+				
Hartland Point	703	41010	68021	31907	40930	06807	84360			703	20911	68030	29507	20940	05808	82360			703	97051	03						
Mount Batten	827	80908	60052	31509	854//	07812	88616			827	81106	60052	29609	854//	06609	88618			827	97081	07	+	r.o.				
St.Mawgan	817	81315	70022	30809	863//	07715	88708			817	81413	65022	29108	854//	05608	88612			817	00071	07	+	+				
Scilly	804	50918	80031	29509	55500	07709	85623			804	81014	60022	27910	864//	05706	88710			804	00081	07	+	+				
Culdrose	809	81218	62052	30409	853//	06713	82708	88610		809	81213	62052	28608	853//	05612	83709	88614		809	00071	07	+	+				
Guernsey	894	80917	58031	31607	854//	04712	88614			894	82109	56052	29807	854//	03609	88616			894	00071	05	+	+				
Elmdon	534	81303	35042	34307	854//	06605	88619			534	81402	63022	33005	854//	03605	88615			534	97051	03	+	d.o.				
Cardington	559	71406	65012	35207	755//	05001	87626			559	81205	40102	33606	854//	06807	88615			559	97051	02	+	d.o.d.				
Wittering	462	81302	20102	35306	855//	06501	88620			462	81404	45101	33905	864//	05706	88712			462	97051	01	+	id.				
Watnall	354	80802	15102	34907	854//	06605	88616			354	81502	45052	33405	854//	04708	82616	88622		354	00051	50	+	+				
Shawbury	414	70602	18102	34106	754//	06807	81614	87615		414	71608	59042	32106	754//	04709	87616			414	00051	52	+	+				
Finningley	360	81402	18102	34506	852//	06802	82705	88618		360	31603	25104	32604	35501	03709	83620			360	00031	51	ff	+				
Spurn Point	396	91611	01454	35205	9//	05000	89/00			396	01708	30104	33605	00900	04609				396			ffff	+				
Leeming	257	81406	15104	34506	862//	06805	88704			257	91407	01454	32306	9//	06711	89///			257	00051	00	fff	FFff				
Tynemouth	262	01808	56020	34106	00900	06807				262	82005	39101	31906	862//	06710	88705			262	00051	03	+	+				
Carlisle	222	71308	50041	32908	754//	06808	82715	87623		222	70902	30102	30805	754//	05710	81717	83622 87626		222	00041	50	+	+				
Valley	302	71407	70031	33006	7093//	05602	87362			302	60804	70011	30705	60930	04712	86362			302	00041	00	+	+				
Ringway	334	81505	40041	34309	863//	07804	82709	88711		334	81506	50042	32308	855//	06809	88620			334	00061	06	+	+				
Squires Gate	318	81406	35104	33708	855//	07704	88623			318	71307	30102	31506	755//	06709	87622			318	00041	02	+	+				
Ronaldsway	204	51610	65031	32608	25402	07803	81710	84075		204	61707	65031	30607	15432	05712	81712	86075		204	00061	03	+	+				
Mull of Galloway	131	72015	58022	31508	3642//	08708	83710	87460		131	82010	60022	30109	855//	07711	88620			131	00071							
Eskdalemuir	162	81507	56104	33005	863//	04709	88707			162	82105	45052	30807	862//	05707	88704			162	00021	01	ff	+				
Prestwick	135	82110	70026	32309	855//	06801	82620	88624		135	71606	65011	29808	754//	06713	81618	87622		135	00051	03	+	+				
Abbotsinch	140	82012	65025	31709	854//	06806	81715	84622 88626		140	81104	60042	29509	864//	06806	81712	88714		140	97081	07	id.	+				
Leuchars	171	70000	25114	31902	754//	02712	87614			171	42209	62016	29008	45400	06717	84616			171	97501	53	if r.o.	+				
Dyce	091	81711	65031	30206	754//	04815	81715	87618		091	81610	75022	27407	5547//	05616	81710	85656 87360		091	00051	03	+	+				
Lerwick	005	32025	70020	24507	11402	05720	81815	83070		005	72225	75021	21008	784//	06711	82815	84635 87650		005	00061	03	+	+				
Wick	075	71915	80031	27207	40932	02808	84359	87070		075	72114	80022	25608	756//	05806	87640			075	00071	04	+	+				
Sule Skerry	010	81916	70622	25209	855//	07614	88625			010	81819	74036	22910	855//	07706	88620			010	94062	07						
Cape Wrath	049	32321	84011	24009	35500	07715	83625			049	82332	80505	21108	874//	06720	88710			049	97061	03	id.	id.				
Stornoway	026	82127	75206	23809	855//	07811	88626			026	82120	65606	23209	854//	08705	84710	86617 88625		026	94071	07	r.o.d.o.d.o.r.o.	ir.o.d.o.				
Benbecula	022	81816	63606	25809	854//	07603	84618	88631		022	82016	75026	24609	854//	07604	84616	88625		022	93081	08	id.o.r.o.	ir.				
Tiree	100	81																									

OCEAN WEATHER STATION REPORTS at 00h.													OCEAN WEATHER STATION REPORTS at 06h.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
O.W.S.	99L ₃ L ₃ L ₃	Q ₂ L ₂ L ₂ L ₂ L ₂	YYGGiw	Nddff	VVwwW	PPPTT	N _h L _h C _h M _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	IT _w T _w TwtT	3P _w P _w H _w H _w	d _w d _w P _w H _w H _w	O.W.S.	99L ₃ L ₃ L ₃	Q ₂ L ₂ L ₂ L ₂ L ₂	YYGGiw	Nddff	VVwwW	PPPTT	N _h L _h C _h M _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	IT _w T _w TwtT	3P _w P _w H _w H _w	d _w d _w P _w H _w H _w																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
C L R	99527	70355	16001	82812	98022	21803	2345/	00220	////	////	05751	10725	3//05	28/10	C L R	99527	70355	16061	82712	98028	23404	846//	00207	88649	////	05654	10702	3//05	28/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	99567	70206	16004	62327	98022	14307	2567/	00113	82630	85463	0//00	10992	30807	18106		99644	10030	16004	72136	98011	14707	75500	51627	87620	////	0//05	10739	30506	28907	99570	70203	16064	22525	98018	16806	18400	00210	81815	////	0//52	10983	30907	22807	99645	70159	16004	81515	97021	19012	856//	00609	88640	////	0//07	11246	30502	28104	99644	10028	16064	82727	97606	09205	853//	61503	84709	88615	0//05	10803	30709	00/00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</
	99644	10030	16004	72136	98011	14707	75500	51627	87620	////	0//05	10739	30506	28907		99570	70203	16064	22525	98018	16806	18400	00210	81815	////	0//52	10983	30907	22807																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	99645	70159	16004	81515	97021	19012	856//	00609	88640	////	0//07	11246	30502	28104		99644	10028	16064	82727	97606	09205	853//	61503	84709	88615	0//05	10803	30709	00/00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

No. 42394

Date of Issue

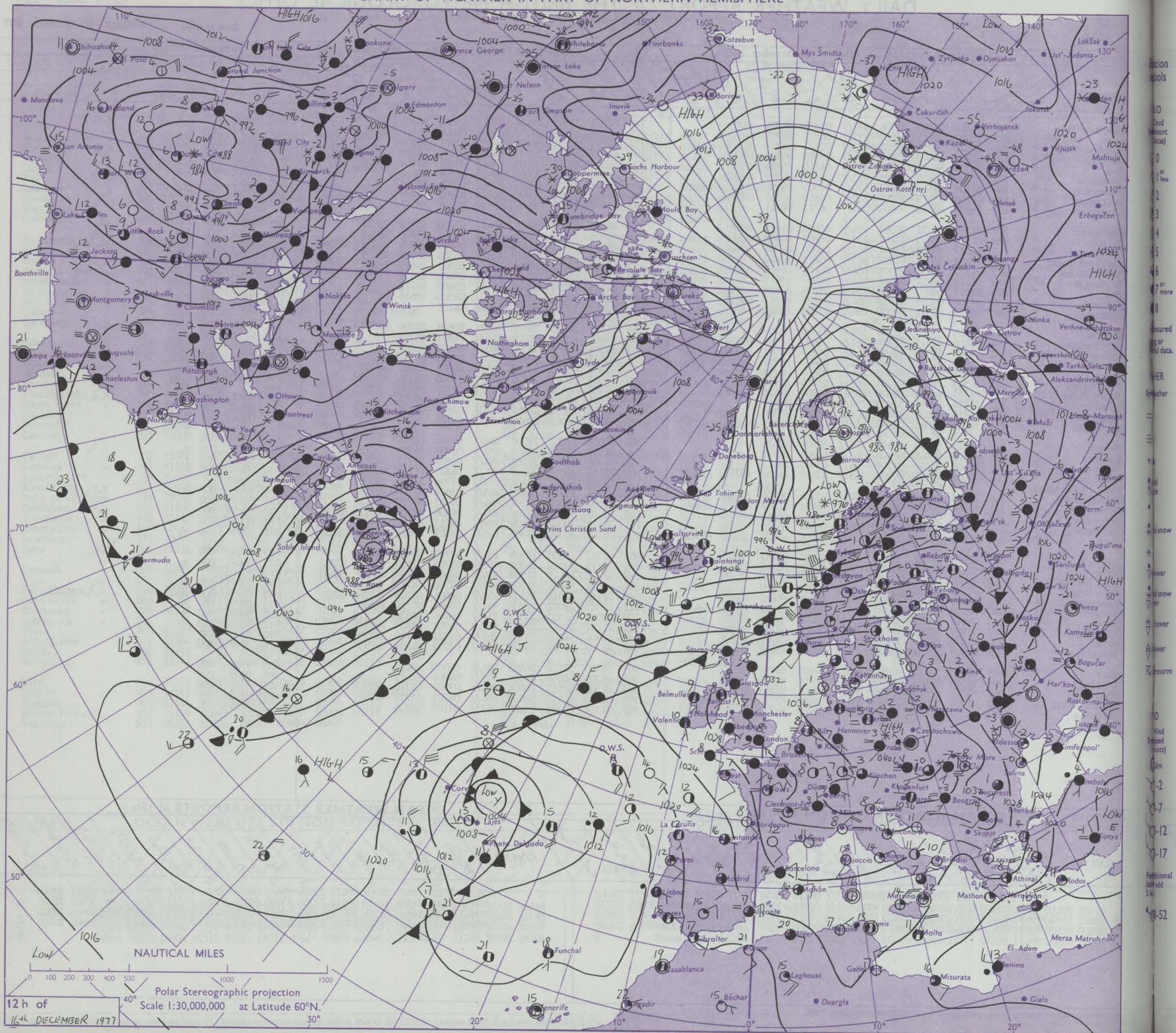
SATURDAY 17 DECEMBER 1977

OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY				
16 December 1977										16 December 1977														
Code FM II.V	Station	ill	Nddff	VVwwWW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	Nddff	VVwwWW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	RRT T x F	SSS	WEATHER	
																							09h.—15h.	15h.—21h.
88630	Boscombe Down	746	81313	50515	31306	872//	05804	84704	88705		746	81708	35515	29406	872//	05502	88703		746	97071	000	d _o d _o id _o	d _o d _o	
	Hurn	862	81009	56055	31007	853//	06803	86707	88612		862	81106	50205	29207	854//	06603	86710	88614	862	97081	000	d _o	d _o	
	Manston	797	81108	28055	32208	853//	07813	83707	84615	88630	797	81710	50052	30807	863//	05501	88708		797	97081	000	+	+	
	Gatwick	776	81211	58045	31808	854//	05709	84712	88615		776	81608	50202	30107	863//	06602	88707		776	97081	000	+	d _o d _o	
	Kew	775	81305	50505	32108	873//	06710	85708	88710		775	81606	56055	30107	864//	05501	82714	88717	775	97081	000	d _o d _o id _o	id _o	
	Heathrow	772	81306	40505	32208	853//	06809	86709	88612		772	81304	56055	30007	854//	05701	88614		772	97081	000	d _o d _o	d _o d _o	
	Honington	586	81106	12515	33407	870//	07809	84701	86702	88703	586	81207	35055	30907	854//	05604	88613		586	92071	000	id _o d _o d _o	+	
	Wattisham	590	81208	15515	33007	870//	06810	85701	88703		590	81407	40055	30606	863//	05703	88709		590	93071	000	d _o d _o d	d _o	
	Corlestone	497	81307	40052	33807	864//	06713	88715			497	81508	58052	31407	864//	06704	88715		497		000			
	Aberporth	502	81307	58051	30307	854//	05809	85615	88620		502	81506	57052	28507	854//	05500	85712	88621	502	97071	000	+	id _o	
88709	Filton	628	81212	30515	31407	873//	06807	86706	88711		628	81606	26515	29606	873//	05501	85708	88710	628	91071	000	d _o d _o	d _o d _o	
	Rhoose	715	80607	20205	30307	852//	06808	84704	88618		715	81006	45205	28707	872//	06602	82704	84708	715	91071	000	id _o d _o d _o	id _o d _o d _o	
	Hartland Point	703	80809	58025	28908	855//	05811	88620		703	81705	66022	27907	854//	05500	86712	88625	703	97080	000				
	Mount Batten	827	81107	57056	29309	854//	06805	86618	88625		827	81406	50052	27808	854//	05502	84615	88620	827	00091	000	+	+	
	St. Mawgan	817	81410	58052	28508	854//	04807	88615		817	81707	56052	27407	854//	05400	88611		817	00091	000	+	+		
	Scilly	804	81012	58022	27708	854//	04804	88618		804	81509	56022	26408	864//	05400	88712		804	00091	000	+	+		
	Culdrose	809	81309	60052	28508	854//	06805	82617	88620		809	81406	60052	27007	854//	04500	88616		809	00080	000	+	+	
	Guernsey	894	81311	59022	30006	854//	03803	88613		894	01512	58051	28506	00900	04101				894	00071	007	+	+	
	Elmdon	534	81205	35505	32206	872//	05808	88704		534	81503	26515	29806	873//	05603	83706	88708	534	92061	000	d _o d _o	d _o d _o		
	Cardington	559	81406	40515	32907	863//	06809	87707	88711		559	81402	40105	30207	864//	06605	88713		559	97071	000	d _o d _o	d _o	
88710	Wittering	462	81307	12515	33106	860//	06808	86701	88703		462	81304	06465	30506	860//	06605	88700		462	91071	000	d _o d _o f	d _o ff	
	Watnall	354	81405	20512	33006	861//	06807	88702		354	81603	20515	30305	872//	05705	88703		354	92061	000	d _o d _o	d _o d _o		
	Shawbury	414	81605	56042	31907	864//	05807	88713		414	81303	13515	29407	861//	06805	83702	88707	414	92071	000	d _o	d _o d _o		
	Finningley	360	81505	28501	32406	863//	05804	85708	88710		360	81505	14515	29706	860//	06608	85701	88708	360	92071	000	d _o d _o	d _o d _o	
	Spurn Point	396	81704	08464	33606	855//	06804	88620		396	91408	08434	30506	91//	06710	89/00		396		000	ff	ff		
	Leeming	257	71510	13044	31806	754//	05805	87615		257	91605	04515	29506	91//	06609	89/01		257	97071	005	ff	d _o d _o ff		
	Tynemouth	262	61810	18052	31107	6093//	06808	86360		262	62308	56051	28705	4563//	02607	84630		262	00081	009	+	+		
	Carlisle	222	52502	40042	30308	45530	07709	81625	83656		222	81503	32042	28606	864//	04708	88713		222	00081	007	+	+	
	Valley	302	71816	61031	30407	755//	04806	87620		302	80906	61022	28506	854//	05706	88618		302	97081	014	+	id _o		
	Ringway	334	81505	50042	32107	864//	05806	88712		334	81505	12515	29807	872//	06707	86704	88712	334	91071	000	d _o	d _o d _o		
88714	Squires Gate	318	71508	50042	31207	754//	05805	87615		318	81905	40202	29107	854//	06607	81713	88618	318	97071	000	+	d _o		
	Ronaldsway	204	72008	75021	30308	753//	07805	81708	85714	87620	204	82111	60042	28207	854//	04805	81713	88622	204	00091	000	+	+	
	Mull of Galloway	131	82312	64022	28108	2742//	07706	82710	88460		131	82312	64022	28108	2742//	07706	82710	88460	131	00081	000			
	Eskdalemuir	162	82006	20102	30606	862//	05806	86704	88710		162	82206	16052	28605	863//	03608	84706	88708	162	97061	000	+	r _o r _o	
	Prestwick	135	81806	57041	30008	7547//	06801	81712	84715	86640	135	81607	40602	28207	854//	06807	83710	88614	135	97091	000	+	r _o r _o	
	Abbotsinch	140	81604	56042	29608	864//	06701	86712	88714		140	82103	50502	27708	874//	06806	82710	86712	140	97091	000	+	d _o d _o	
	Leuchars	171	72308	57041	28708	5543//	06804	85618	86360		171	72412	50042	26508	764//	06710	83712	87716	171	00081	000	+	+	
	Dyce	091	81602	58142	27308	6557//	06804	81625	86656	88362	091	72102	40046	25308	6553//	06807	81620	83640	86656	091	97081	000	r _o	+
	Lerwick	005	82424	60032	21508	853//	07006	82707	88625		005	82322	65205	19509	854//	07707	85710	88625	005	97091	000	+	id _o	
	Wick	075	72114	83022	25408	15632	05805	81640	87362		075	72113	80022	23908	4563//	05704	81630	84639	87362	075	00091	000	+	+
88624	Sule Skerry	010	72024	66022	23310	5557//	08802	85620	87358		010	82021	64515	21909	3542//	08608	81715	83620	88560	010	01102			
	Cape Wrath	049	72324	71025	23509	764//	07213	87710		049	82028	70606	21209	872//	07706	88705		049	97091	000	ir _o	ir _o		
	Stornoway	026	82119	70026	24309	854//	09002	85615	88625		026	82116	62515	22809	853//	08604	83709	84614	88624	026	97091	000	d _o d _o	d _o d _o d _o r _o d _o r _o
	Benbecula	022	82019	66022	25309	6547//	08004	81710	84618	86635	022	82013	72022	24109	854//	08801	85710	88616	022	00091	000	+	+	
	Tiree	100	71816	64021	26809	25432	08802	81714	87070		100	72013	61032	25509	757//	08704	87650		100	00091	000	+	+	
	Aldergrove	917	71907	40042	29108	763//	06805	83707	87709		917	81607	40042	27707	863//	05703	83709	88710	917	00091	000	+	+	
	Malin	980	81912	65102	27809	864//	07004	81711	88714		980	81804	56205	26308	863//	08707	85709	88716	980	9709	000			
	Belmullet	976	71606	72031	26509	764//	08002	86717	86638		976	81707	60505	25609	863//	07502	84709	88712	976	9710	000			
	Birr	965	81506	58102	28209	864//	08806	86711	88632		965	81505	50102	26908	864//	06000	88716		965	9709	000			
	Dublin	969	41510	56041	28709	16402	06706	81715	83070		969	82005	45052	27408	855//	04704	88622		969	9709	024			
88718	Shannon	962	81506	65022	27610	864//	07803	85715	88630		962	81503	50515	26009	864//	07502	82710	88718	962	9710	000			
	Roches Point	952	81108	40516	27710	864//	08809	87710	88720		952	81207	58105	26409	864//	06702	85712	88718	952	9710	000			
	Valentia	953	71707	70025	26210	6653//	07803	86720		953	81314	60258	25808	863//	07105	88706		953	9710	001				

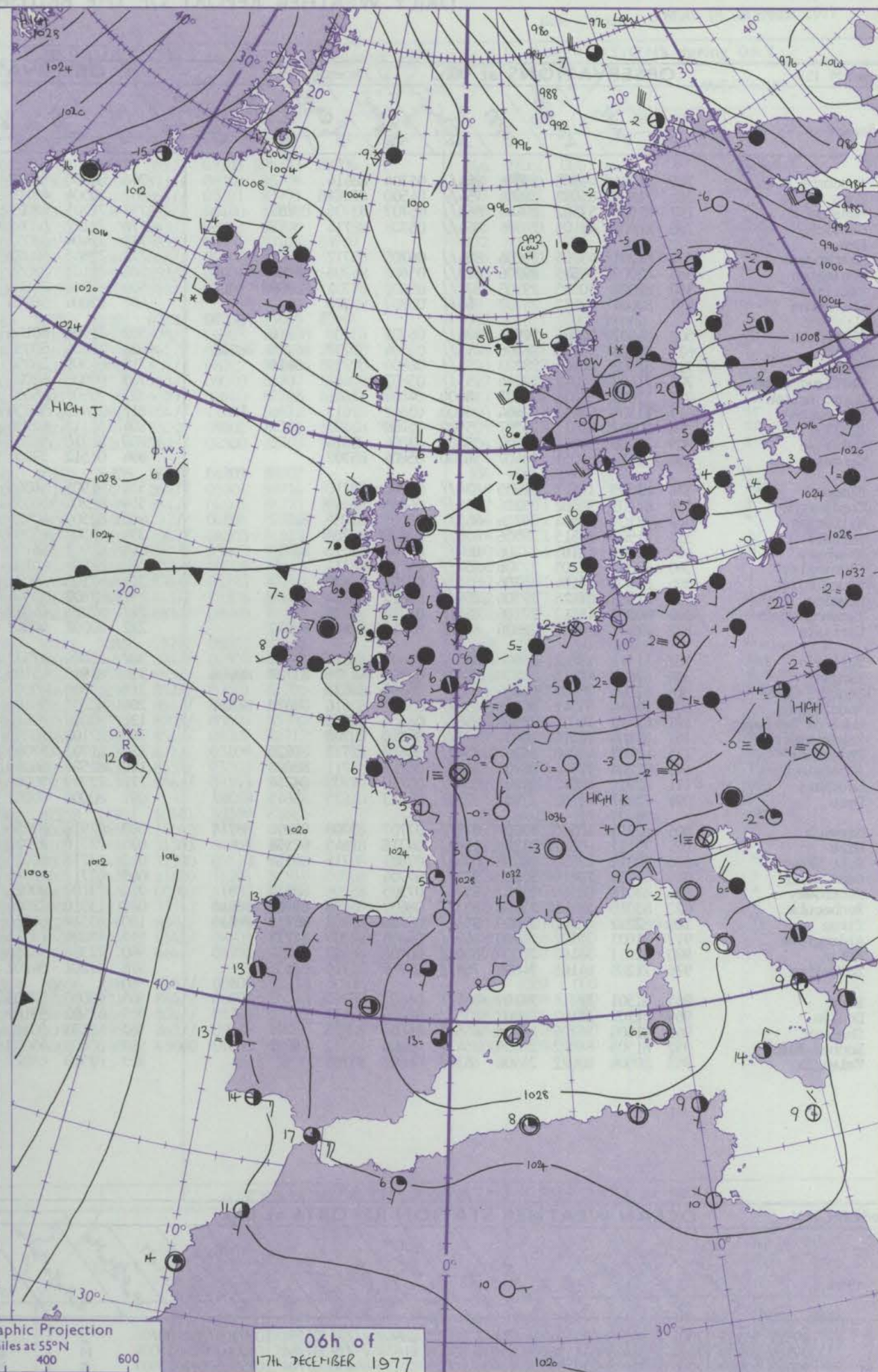
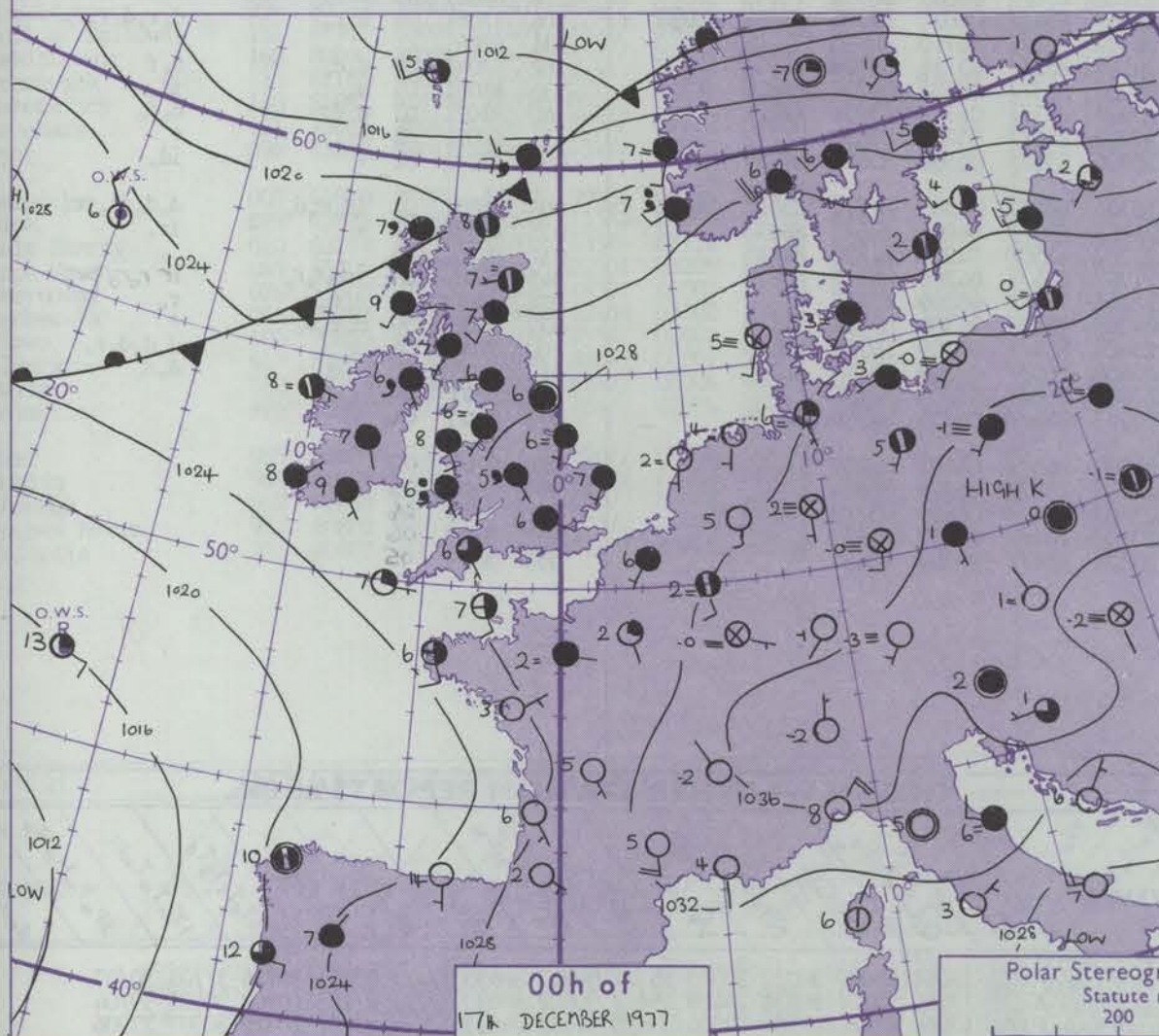
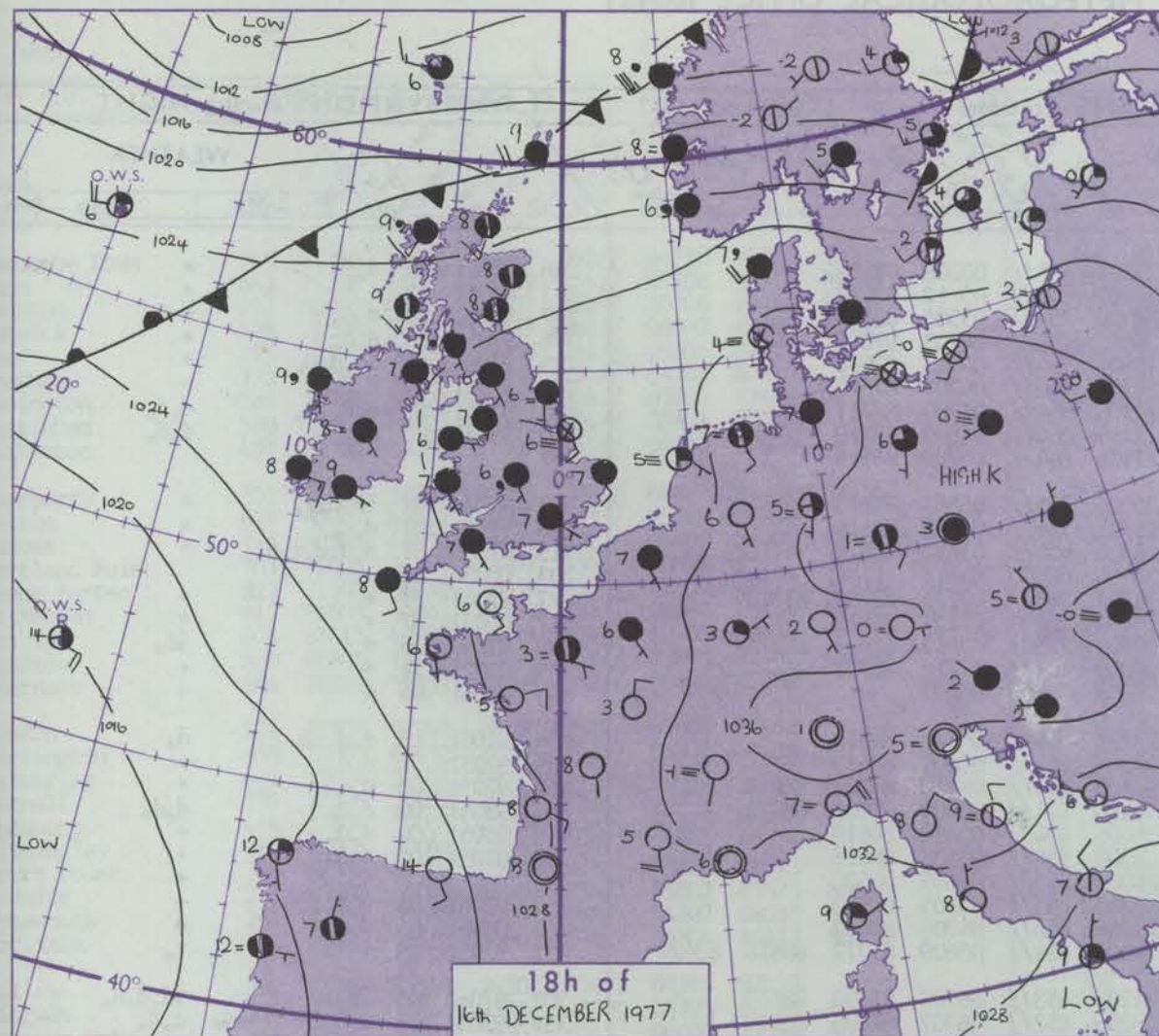
OCEAN WEATHER STATION REPORTS at 12h.																	OCEAN WEATHER STATION REPORTS at 18h.																
Code FM 21.V																	O.W.S.																
O.W.S.		99L _h L _h L _h	Q _h L _h L _h L _h L _h	YYGGIw	Nddff	VVwwWW	PPPTT	N _h Ch _h Ch _h Ch _h	D ₅ sapp	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	OT ₅ T ₅ T ₅ T ₅	IT ₅ T ₅ T ₅ T ₅ T ₅	3P ₅ P ₅ P ₅ P ₅ P ₅	d ₅ d ₅ P ₅ P ₅ P ₅ P ₅ P ₅	O.W.S.	99L _h L _h L _h	Q _h L _h L _h L _h L _h	YYGGIw	Nddff	VVwwWW	PPPTT	N _h Ch _h Ch _h Ch _h	D ₅ sapp	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	OT ₅ T ₅ T ₅ T ₅	IT ₅ T ₅ T ₅ T ₅ T ₅	3P ₅ P ₅ P ₅ P ₅ P ₅	d ₅ d ₅ P ₅ P ₅ P ₅ P ₅ P ₅			
C L M R		99527	70355	16121	83204	98022	26404	857//	00216	88650	////	05656	10713	3////	30410		C L M R	99527	70355	16181	81004	98022	25104	856//	00803	88648	////	05654	10711	3////	30410		
		99569	70203	16124	62425	98258	19905	693//	00214	82708	83910	0//02	10990	30805	22906			99570	70201	16184	32620	98011	23306	33400	00224	83916	////	0//52	10991	30907	22805		
		99643	10040	16124	72633	97026	11507	68472	52312	85812	////	0//05	10830	30607	23908			99643	10036	16184	52524	98012	12006	28430	61806	81815	85359	0//05	10808	30606	23908		
		99469	70167	16124	71219	97031	15512	785//	00805	86820	////	0//11	11308	30704	28104			99469	70168	16184	51321	97031	15613	52500	00306	85820	////	0//10	11309	30805	28103		

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

DAILY WEAT



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.

During the past 24 hours pressure remained high over the British Isles, but a weak cold front moving southeastwards was approaching Northern Ireland and southern Scotland by the end of the period. During the next 24 hours the high pressure will be maintained over the

British Isles and the weak front is expected to remain almost stationary over Northern Ireland and northern England.

Issued at midday SATURDAY 17 DECEMBER 1977

No

Code	State
B	Bahamas
H	Honduras
M	Mexico
G	Grenada
K	Kyrgyzstan
H	Haiti
H	Hungary
W	Wallis and Futuna
G	Ghana
A	Algeria
F	France
R	Romania
H	Holland
M	Moldova
S	Slovenia
S	Slovakia
O	Oranienburg
G	Germany
E	Egypt
C	Czech Republic
W	West Bank
W	Western Sahara
S	Saudi Arabia
S	Sri Lanka
I	Israel
T	Turkey
C	Croatia
V	Vietnam
F	Finland
S	Singapore
P	Poland
N	Norway
A	Australia
L	Latvia
I	Ireland
J	Japan
V	Venezuela
S	Sudan
C	Cuba
S	Seychelles
Z	Zambia
A	Armenia
P	Pakistan

Code	
CLM	

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

Date of Issue SUNDAY 18 DECEMBER 1977

No. 42395

OBSERVATIONS at 12h.										OBSERVATIONS at 18h.										OBSERVATIONS during DAY									
17 December 1977										17 December 1977																			
Code FM II.V	Station	iii	Nddff	VVwwWW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwWW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT	T _d T _d app	S _{ss}	WEATHER						
																								09h.—15h.	15h.—21h.				
	Boscombe Down	746	81310	50052	25807	862//	06710	85705	88707	746	81305	25102	24507	862//	07303	86703	88704			746	97081	000	+		d _o d _o f				
	Hurn	862	71206	62011	25709	754//	07806	83710	86618	862	81502	20501	24409	873//	08302	88706				862	97101	013	+		d _o d _o				
	Manston	797	81909	45052	27707	863//	05806	82706	88707	797	81705	27102	26105	862//	05801	83703	88704			797	00071	000	+		+				
	Gatwick	776	71508	56042	26907	763//	06807	83706	87708	776	80806	36042	25307	863//	06400	88706				776	00081	001	+		+				
	Kew	775	71603	58052	26908	764//	05806	87712		775	81502	50052	25107	863//	06801	88708				775	97081	001	+		d _o d _o				
	Heathrow	772	71204	57052	26808	754//	06707	87613		772	81104	45052	25107	863//	06701	83706	88707			772	97091	000	+		d _o d _o				
	Honington	586	72008	59022	26906	754//	03804	87618		586	81306	45052	25906	863//	04102	88709				586	00061	001	+		+				
	Wattisham	590	72510	60022	27305	764//	03801	87710		590	81206	50052	25905	863//	04001	88706				590	00061	002	+		+				
	Gorleston	497	72308	58055	27307	755//	04803	87625		497	81804	56032	26706	855//	03202	88620				497		000							
	Aberporth	502	71309	58801	24105	786//	04813	83830	87656	502	71614	56058	22307	6553/	06504	83626	85640			502	01071	000	prpr.		ir.				
	Filton	628	80907	40212	26006	873//	05709	88709		628	80000	25105	24007	873//	06703	88707				628	97081	000	r.		d _o				
	Rhose	715	80808	48056	25106	872//	05807	82705	88706	715	80707	30102	23706	861//	05602	81702	88704			715	91071	000	ir.		r.				
	Hartland Point	703	71005	56051	23807	5647/	06002	85710	87360	703	81512	56052	22008	854//	08302	84710	88635			703	91092	000							
	Mount Batten	827	71105	30052	23809	764//	08807	82712	87716	827	70902	25205	22510	753//	09000	85707	87617			827	97101	001	d _o		id _o d _o r.				
	St. Mawgan	817	81609	50051	23209	852//	08002	83704	84706	817	81610	50212	21910	4527/	09400	82705	83611	88460		817	97101	000	+		r.				
	Scilly	804	81613	40035	21911	854//	10705	88614		804	81208	50026	19911	854//	11807	88612				804	01112	000	id		ir				
	Culdrose	809	81805	15052	23010	861//	09803	82702	88705	809	81307	20216	21410	5512/	09802	81702	84703	85612		809	95112	000	+		ir.				
	Guernsey	894	71813	56051	25708	762//	06802	87705		894	71712	40052	24209	762//	08500	82705	87706			894	00091	000	+		+				
	Elmdon	534	71806	57042	26106	754//	04803	87618		534	81405	30102	24705	861//	04802	88702				534	00061	001	+		+				
	Cardington	559	72005	60052	27206	754//	04801	87618		559	80903	57102	25406	864//	05701	88714				559	97071	007	+		id.				
	Wittering	462	32006	50051	26707	35500	05803	83622		462	81902	58051	25905	854//	04001	86711	88650			462	00071	022	+		+				
	Watnall	354	72106	30052	26006	752//	05803	86705	87620	354	71904	35042	24905	757//	04801	87650				354	00071	000	+		+				
	Shawbury	414	21806	50051	25007	15730	05812	81656		414	71505	36046	24005	6547/	04805	81612	86636	87359		414	97071	008	r.		+				
	Finningley	360	72005	30042	24907	755//	05804	87628		360	81802	28102	24206	857//	05400	88650				360	00081	005	+		+				
	Spurn Point	396	82307	40102	25206	855//	05805	88625		396	81904	30102	24506	855//	05001	88625				396					+				
	Leeming	257	80000	35042	24406	855//	05802	85625	88632	257	81203	30045	23806	854//	05103	83710	88620			257	97071	000	d _o		+				
	Tynemouth	262	82507	39052	23707	856//	04803	88635		262	82506	56025	23807	855//	06306	88620				262	95071	000	d _o d _o		d _o d _o				
	Carlisle	222	82402	28506	24007	854//	06804	86617	88628	222	81002	16215	23306	853//	06400	82706	85712	88625		222	01071	000	d _o d _o drd _o r.		d _o d _o ir.				
	Valley	302	71606	57025	24308	756//	06704	87633		302	70000	50106	22806	757//	06807	87650				302	03081	000	d _o d _o -r _o r		r				
	Ringway	334	32007	50041	25307	35500	05705	81620	83636	334	81703	30046	24606	854//	04503	81712	88650			334	01071	012	+		r _o r				
	Squires Gate	318	81905	42515	24707	854//	06802	82714	88618	318	81407	25615	23706	855//	06400	86623	88650			318	91071	000	d _o d _o		d _o r _o r.				
	Ronaldsway	204	80000	35046	23807	854//	07802	81712	84618	204	81911	56612	22907	852//	07501	81705	84709	88622		204	01081	000	r _o d		id _o d _o r _o r.				
	Mull of Galloway	131	82905	60026	24407	3552/	07003	83620	88525	131	81009	58515	22907	864//	07801	88710				131	01071								
	Eskdalemuir	162	80000	30204	23905	852//	05803	86705	88618	162	80000	08516	23505	870//	05003	85700	88702</												

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE

12 h of 17 DECEMBER 1977

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

NAUTICAL MILES
0 100 200 300 400 500 1000 1500

Legend:

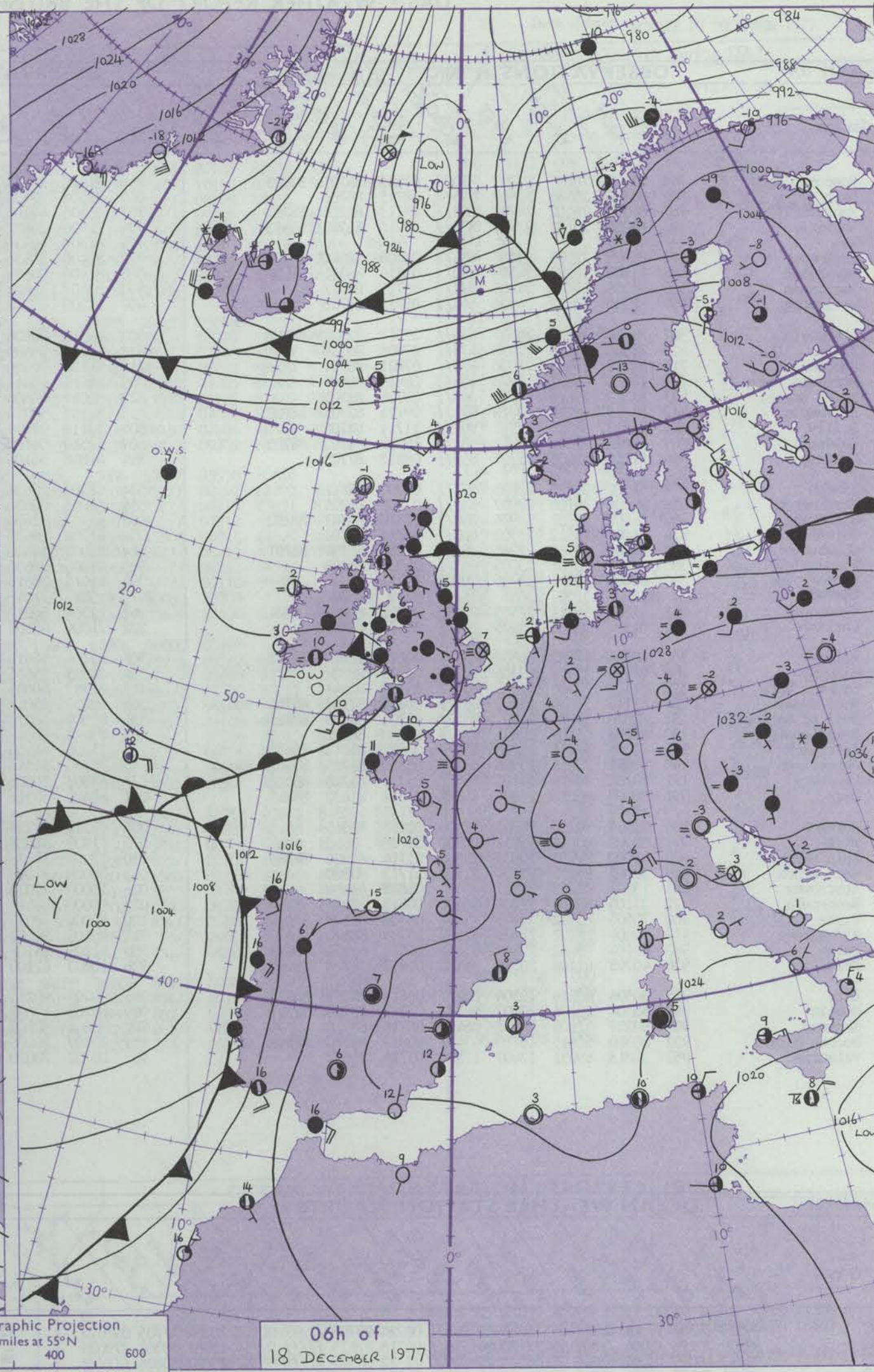
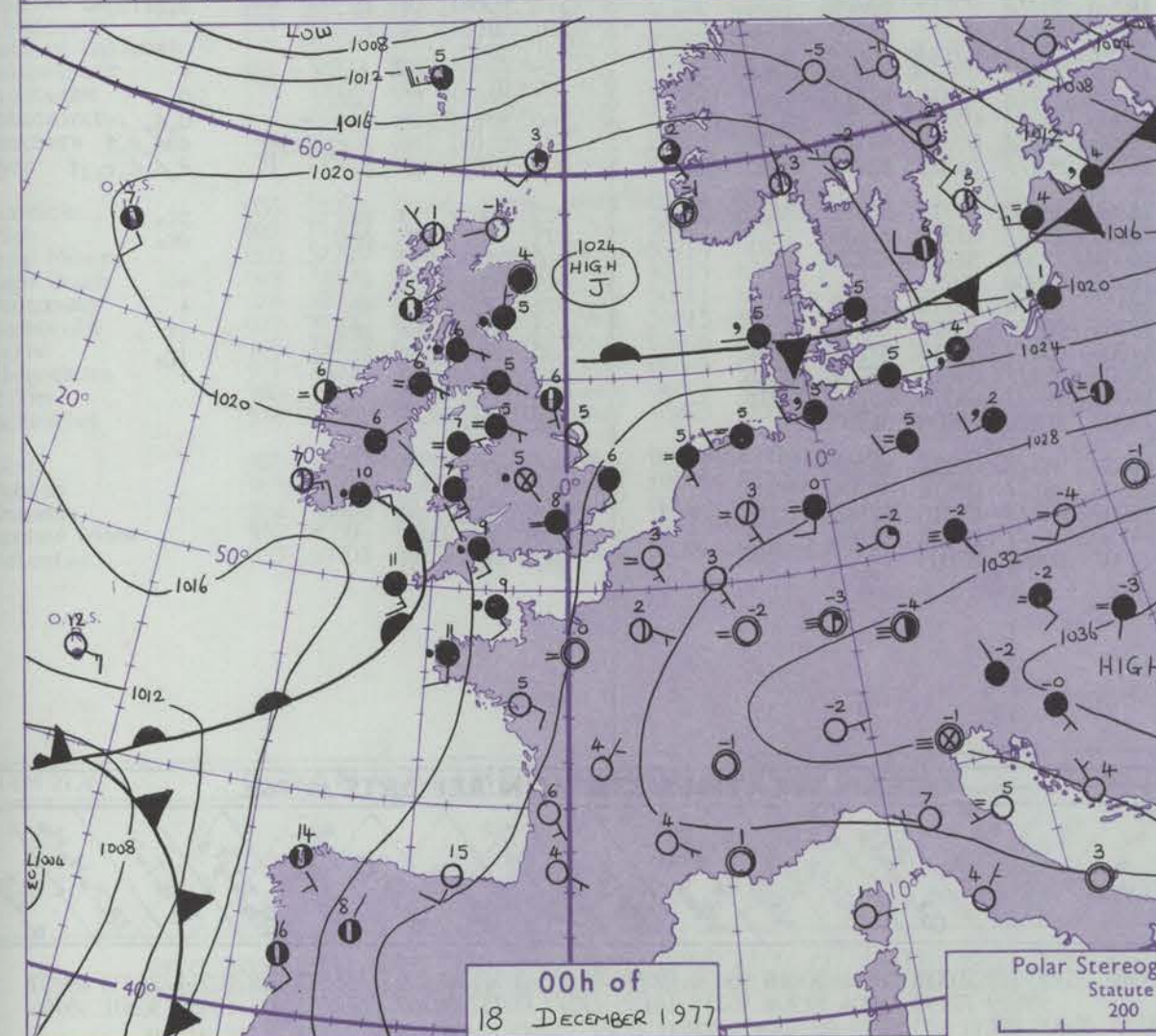
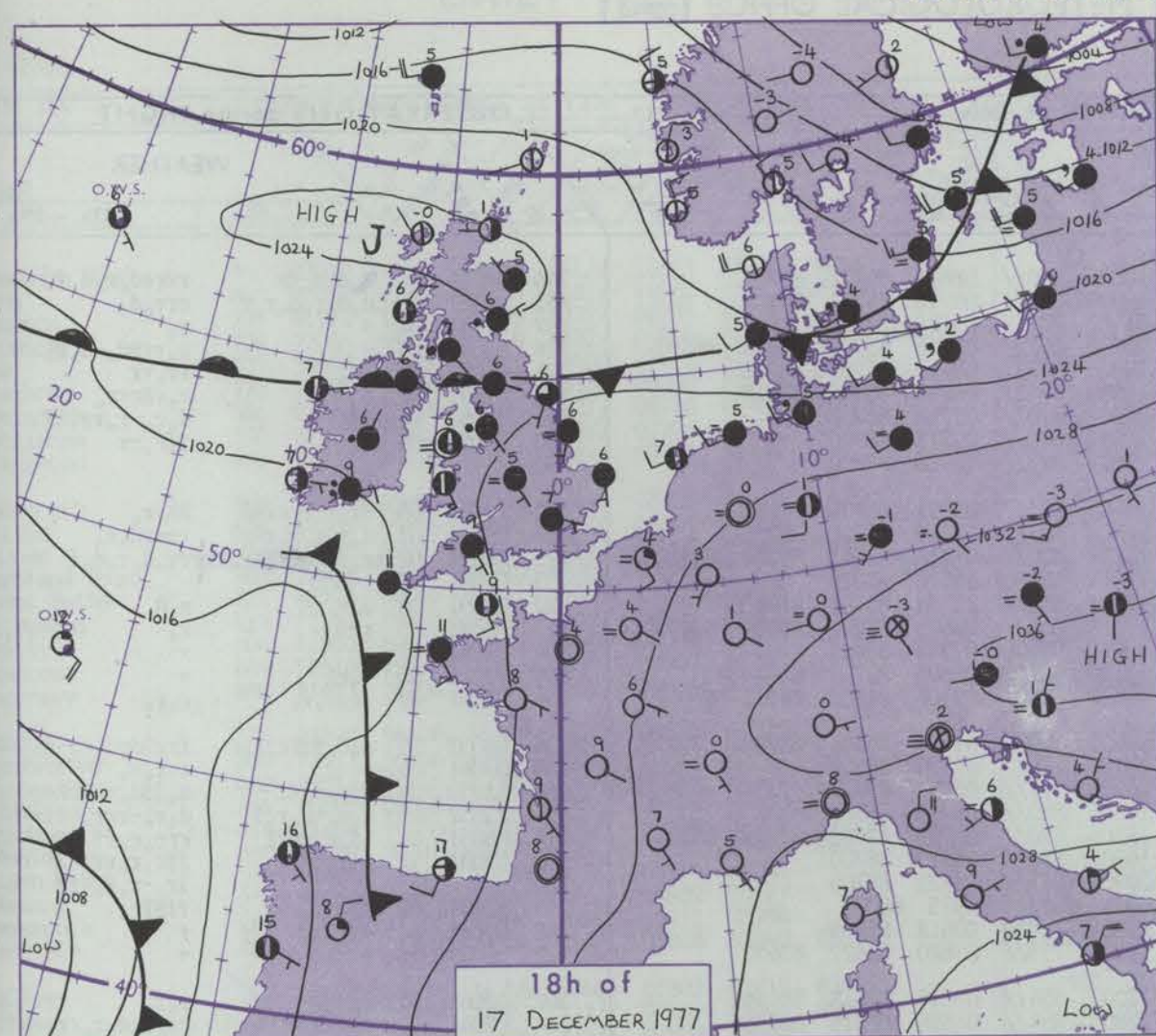
- Pressure: High, Low
- Wind: Wind direction, Wind speed (knots)
- Clouds: Cloud amount (oktas)
- Temperature: Temperature (°C)
- Other: Thunderstorm, Snow, Rain, etc.

12 h of
17 DECEMBER 1977

Polar Stereographic projection

Scale 1:30,000,000 at Latitude 60°N.

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.

During the past 24 hours the high pressure centre over the Continent moved away east and the high centre northwest of the British Isles collapsed. A developing trough of low pressure moved northeast into England and Wales later. During the next 24 hours the

trough of low pressure over southern England will move away northeast but followed by another trough from the Southwest Approaches. A weak ridge over Scotland will give way as a cold front moves southeast into northern districts.

Issued at midday SUNDAY 18 DECEMBER 1977

No.

CodeCod

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

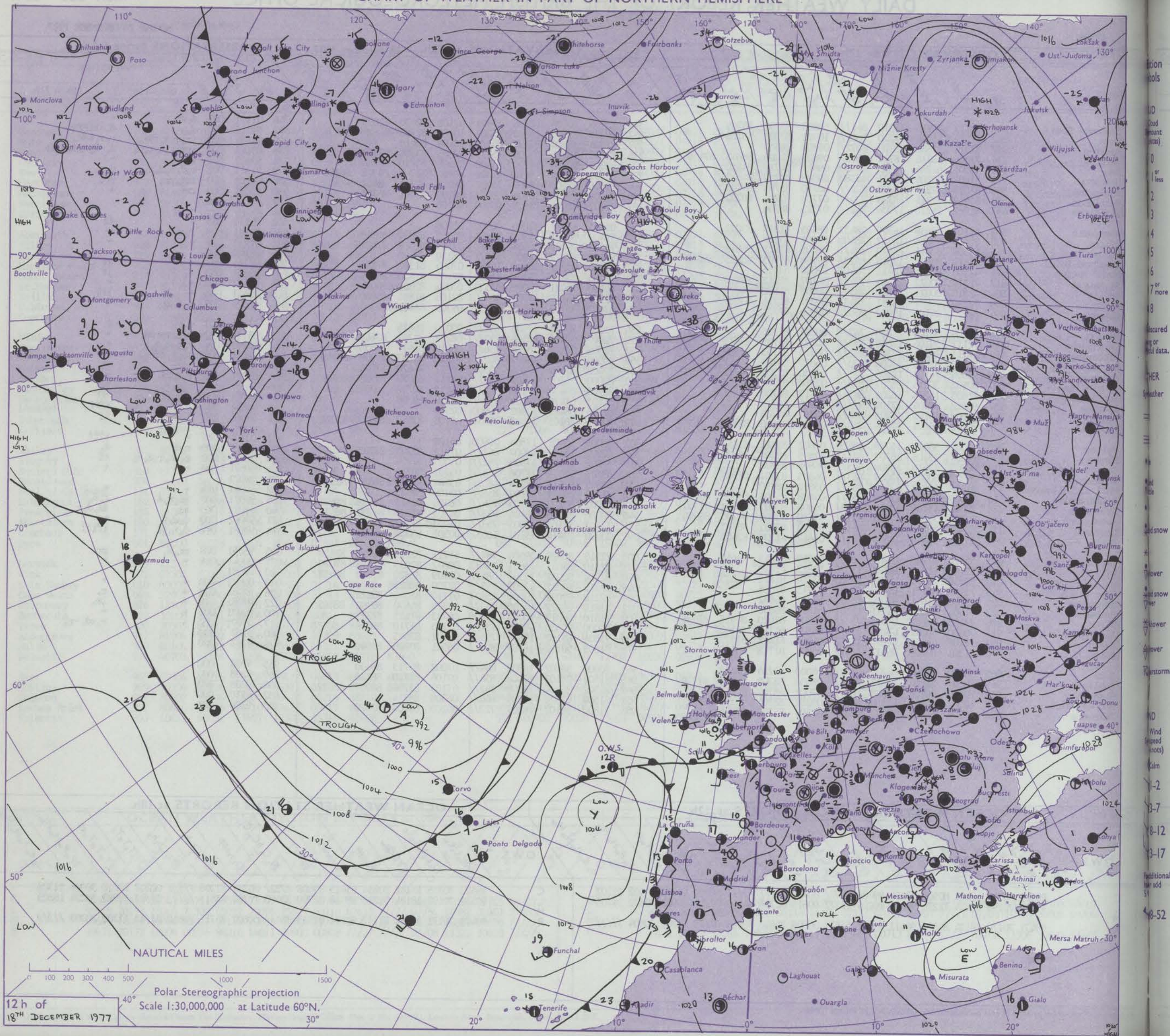
ISSN 0307-2541

No. 42396

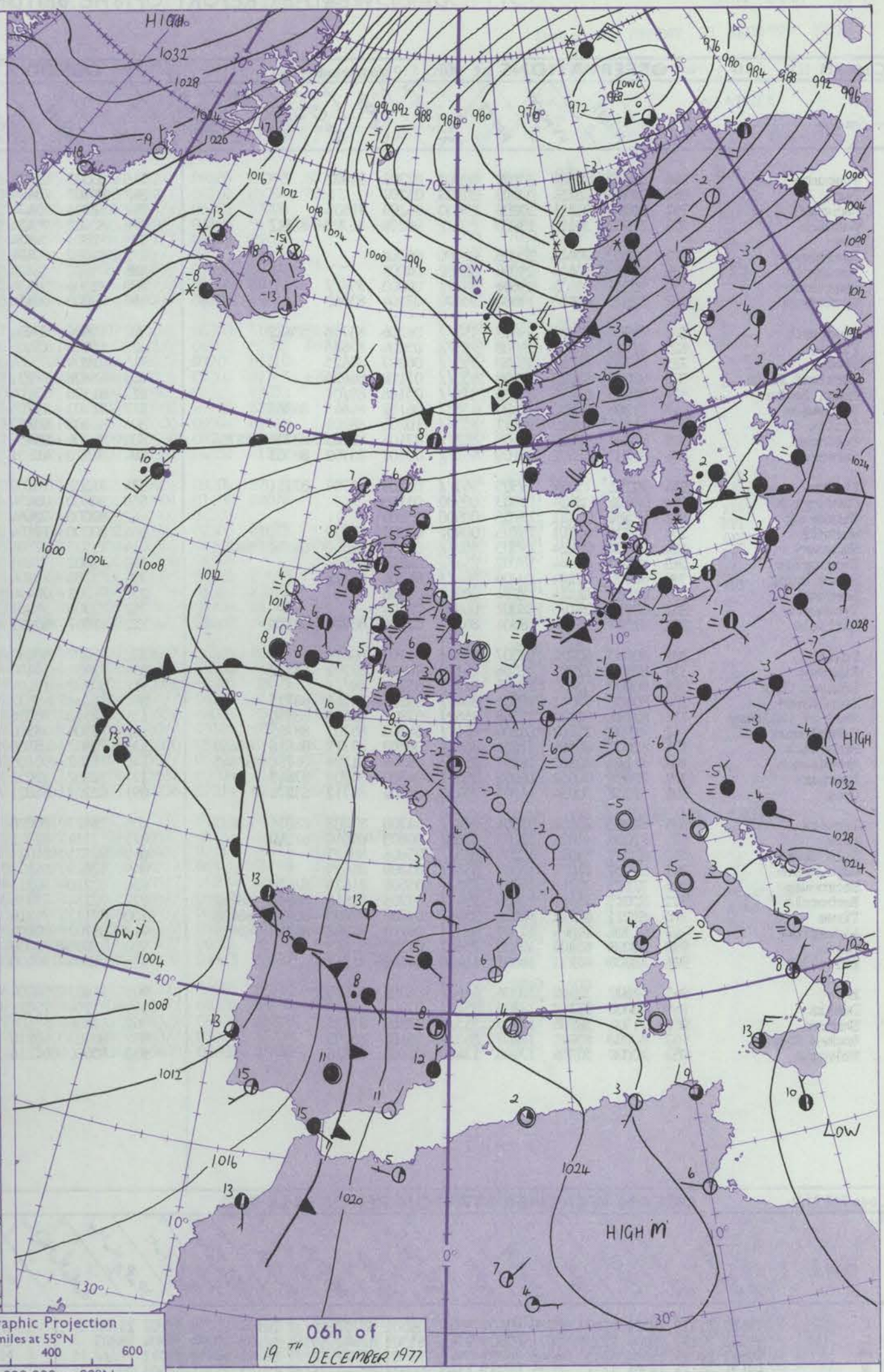
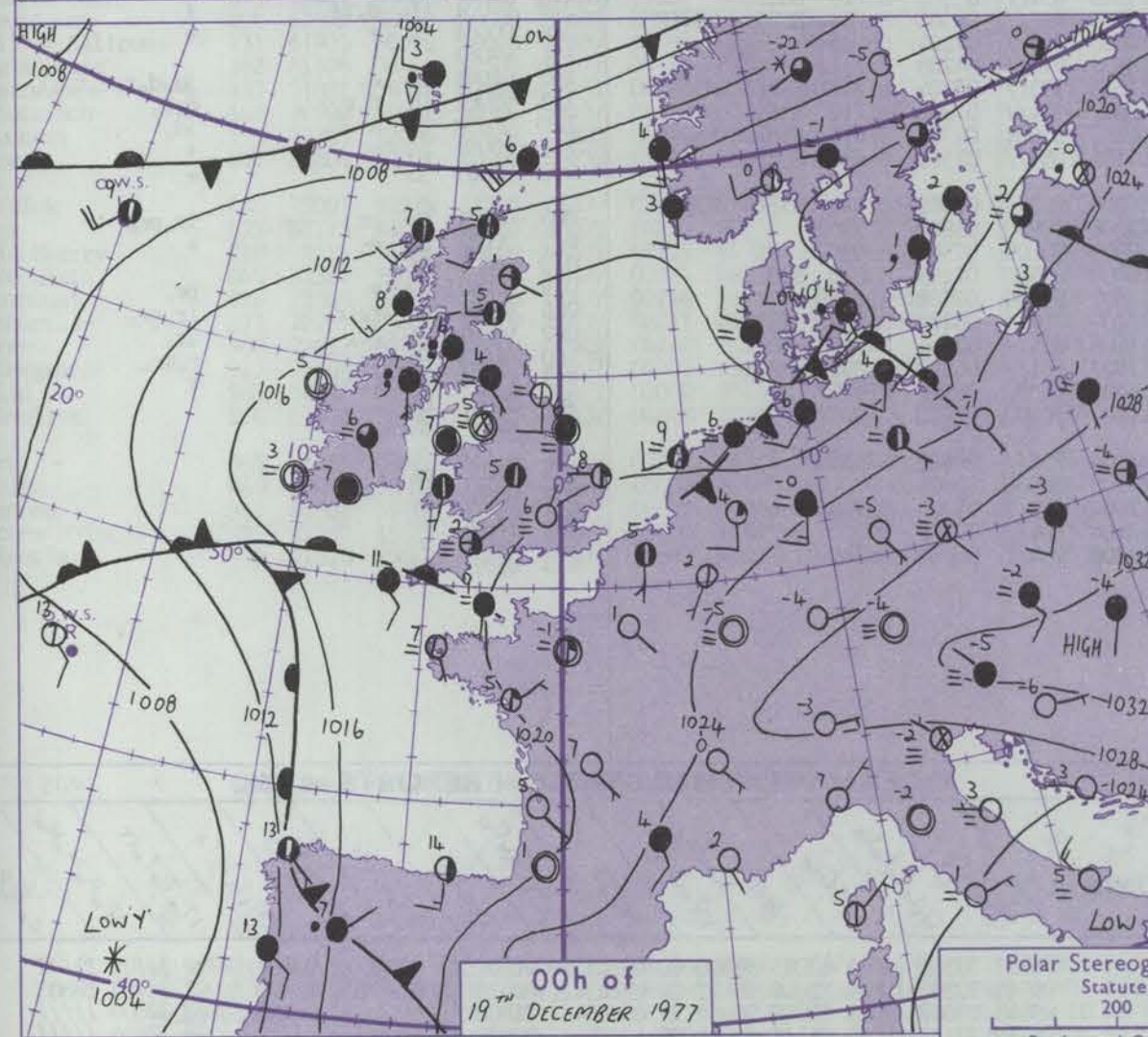
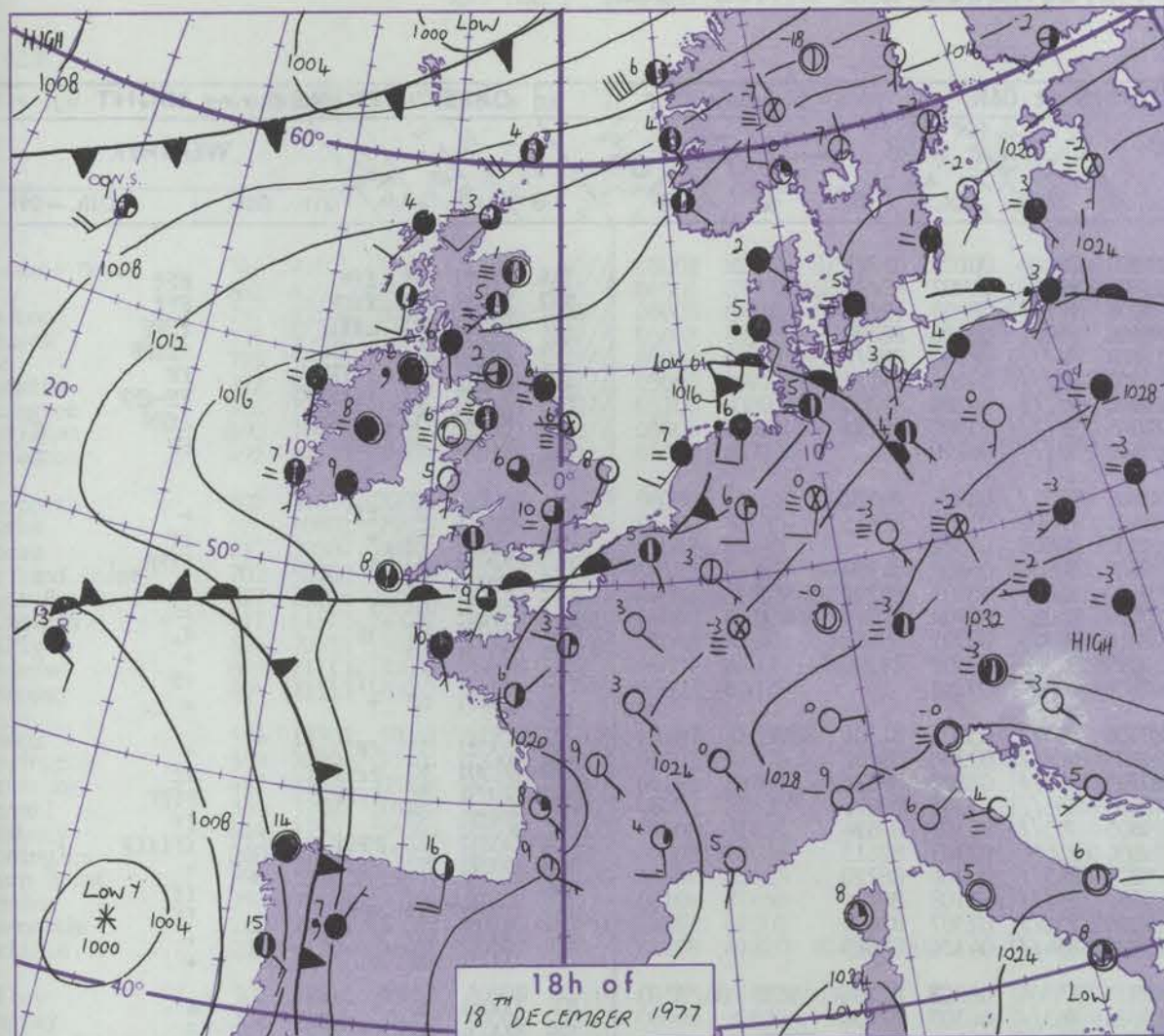
Date of Issue MONDAY 19 DECEMBER 1977

Code FM II.V		OBSERVATIONS at 12h. 18 December 1977								OBSERVATIONS at 18h. 18 December 1977								OBSERVATIONS during DAY					
Station	iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT x T _E	SSS	WEATHER	
																						09h.—15h.	15h.—21h.
Boscombe Down	746	82012	50216	18010	861//	10803	85702	88704		746	42405	20106	18808	25601	07108	82630	83075		746	01111	000	d _o dr _o r	+
Hurn	862	82012	45506	18710	862//	10702	87705	88708		862	81905	22105	18810	55207	10104	82703	84620	85636	862	91111	000	d _o	d _o iffFFFF
Manston	797	81911	32656	20109	8072//	08803	88550			797	82006	38106	19709	854//	08109	88616			797	04091	000	ir _o r _o r _o rRr _o	r _o r _o rRr _o
Gatwick	776	72006	58216	18710	6832//	09809	81706	86645	87459	776	72205	36216	19009	752//	09005	83704	87624		776	03101	000	rrr _o r _o d _o r _o d _o	d _o -d _o r _o d _o r _o dr
Kew	775	52005	62256	17910	58400	09811	81710	84650		775	62006	40058	18710	65400	09206	83710	86640		775	93111	001	r _o pr _o	+
Heathrow	772	51804	50206	18111	45380	09808	82707	84645		772	61906	40106	18610	65300	10005	81706	84708	86640	772	91111	002	r _o d _o d _o d _o r _o	d _o r _o
Honington	586	82013	32216	17808	872//	08710	85703	88705		586	72006	35108	18409	754//	08210	82711	83620	86640	586	02101	000	rrr _o pr _o	pr _o
Wattisham	590	81912	22216	18308	870//	07709	83701	88702		590	72108	25102	18708	760//	08209	83701	86702		590	02091	000	rrr _o	+
Gorleston	497	81912	24216	17908	862//	07725	88704			497	02007	48016	18108	00900	08208				497	000	000		
Aberporth	502	42107	65036	16709	28432	08303	81818	83072		502	01805	63011	17805	00900	05108				502	00111	035	+	ff
Filton	628	32508	65256	17612	38400	09001	83818			628	52402	50051	18807	25601	05210	82630	84075		628	91121	029	r _o pr _o	+
Rhoose	715	62508	67014	17510	684/1	08005	81818	86648		715	72202	70021	18508	784//	07110	81818	87622		715	00111	026	+	+
Hartland Point	703	72418	83031	17010	6523//	07006	81705	83625	85635	703	82713	77022	18009	855//	08210	88620			703	00100	002		
Mount Batten	827	42506	80036	18411	38401	09008	83816			827	70000	40101	18607	10938	07005	81362	87275		827	00111	037	+	ff
St. Mawgan	817	72310	80022	18310	784//	08107	81812	87619		817	72205	75022	18708	15502	07106	81620	86075		817	00121	013	+	jf
Scilly	804	42510	80021	18111	28502	08009	81820	84075		804	70000	75021	18008	38532	07004	82820	86075		804	00111	030	+	+
Culdrose	809	52510	75031	18211	28431	09007	81714	83075		809	52502	65112	18708	28410	07106	81814	85460		809	00111	038	+	jff
Guernsey	894	81613	24106	19909	860//	09806	87701			894	62007	35102	19709	25232	09309	81703	84360		894	92101	000	r _o r _o ir _o	+
Elmdon	534	72109	50106	16809	762//	09804	87705			534	61302	18121	17606	654//	05010	86616			534	97101	007	d _o r _o	f
Cardington	559	72111	59106	17810	753//	10707	85709	87615		559	72407	50108	18508	752//	08212	81703	87640		559	03111	002	r _o r _o r _o r _o r _o	+
Wittering	462	72211	30206	17308	762//	08810	82703	87707		462	72308	56101	18108	756//	08210	83631	87636		462	95101	004	r _o r _o d _o d _o	+
Watnall	354	80000	02586	17006	870//	06810	88700			354	80000	18106	18007	862//	07210	81703	87708	88710	354	01081	000	rd _o r _o fff	ff
Shawbury	414	71904	26106	16408	751//	08806	82702	84711	87650	414	32402	32111	17806	15501	06311	81620	83074		414	92081	000	r _o r	if
Finningley	360	80802	30216	16507	870//	07714	85701	88703		360	80000	11102	17207	862//	06211	83703	85706	88709	360	03071	000	r _o r _o rR	ff
Spurn Point	396	81605	18216	16806	863//	06719	88706			396	92705	04474	17206	9//	06212	89/00			396			r _o r _o	ff
Leeming	257	93002	01604	17504	9//	04809	89//			257	91605	01476	17104	9//	04110	89/00			257	01051	000	FFr _o r _o f	FFF
Tynemouth	262	80000	16101	17805	863//	05711	88708			262	02705	08424	17302	00900	02309				262	00051	000	+	FFFf
Carlisle	222	70702	56101	17204	756//	03808	85640	87656		222	50000	20101	17302	35631	02108	83640	83359	85072	222	00061	020	+	ff
Valley	302	31302	58016	16709	38400	07802	81815	83657		302	00000	15401	17806	00900	05109				302	00101	018	+	iff
Ringway	334	81802	25106	16707	872//	07809	82704	88706		334	82202	15102	18007	862//	07212	83705	88707		334	95081	000	r _o d	d _o
Squires Gate	318	80905	12516	16606	873//	06808	88708			318	72202	10105	17505	762//	05009	87704			318	01071	000	r _o rd _o r _o d _o r _o	ff
Ronaldsway	204	80707	50042	17007	863//	06805	83707	88709		204	83503	57041	17706	864//	05107	88711			204	00071	000	+	+
Mull of Galloway	131	81106	58022	17506	864//	05802	88710			131	61605	60012	17106	4853//	05104	81820	84625	86360	131	00071			
Eskdalemuir	162	70000	81022	17504	753//	04808	81708	85630	86645	162	81202	80021	17204	856//	03108	88633			162	00061	024	+	+
Prestwick	135	70000	45106	17606	5533//	06808	82707	83624	87360	135	81702	30202	17206	854//	06306	82615	83625	88644	135	92071	000	id _o r _o d _o	r _o d _o
Abbotsinch	140	82903	35105	17206	851//	05810	82702	84705	88640	140	80000	20206	16406	853//	06205	82707	84709	88618	140	01071	000	id _o	id _o d _o r _o
Leuchars	171	82706	50105	17005	861//	05713	82702	88703		171	72407	56102	15905	753//	04003	83707	87645		171	97061	000	d _o d _o f	+
Dyce	091	73502	56406	16505	752//	05817	81705	87645		091	70000	07414	15101	5603//	00301	85700	86362		091	97081	016	d _o r _o jff	jffiff
Lerwick	005	52310	82268	13203	58401	02819	83815	83618		005	72318	82028	09504	784//	51717	82815	84620	87628	005	95051	009	pr _o s _o	pr _o
Wick	075	12205	84011	16303	11530	50813	81820			075	6												

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

Pressure has remained high over central Europe with an associated ridge of high pressure to the western Mediterranean. A trough of low pressure extending eastwards into the western Channel has moved slowly north and a depression west of Portugal has remained

slow-moving. During the next 24 hours pressure will remain low over the North Atlantic and high over Europe, maintaining an increasing southerly airstream over the British Isles.

Issued at midday MONDAY 19 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h. 19 December 1977										OBSERVATIONS at 06h. 19 December 1977										OBSERVATIONS during NIGHT									
Station	iii	Nddff	VVwww	PPPTT	N _h Ch _h 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	iii	Nddff	VVwww	PPPTT	N _h Ch _h 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	iii	RRT _n T _n E	T _g T _g	WEATHER									
																						21h.—03h.	03h.—09h.								
Boscombe Down	746	10000	02464	20202	00902	02203	81072			746	23503	03424	21000	26000	00101	82701			746	91511	51	fff	Fff								
Hurn	862	00000	02424	20405	00900	05207				862	90403	03474	20904	91111	04002	89111			862	92031	03	ffff	Fff								
Manston	797	12006	30111	20206	15630	06203	81635			797	91905	03474	20808	91111	08203	89111			797	91051	02	iff	ffff								
Gatwick	776	71902	30102	19909	75311	08104	81708	87612		776	82402	05424	20906	86011	06206	88700			776	91051	51	+	fffff								
Kew										775	92801	00454	21004	91111	04306	89111			775	91021	52	ffff	FF								
Heathrow	772	00202	00444	20006	00900	06106				772	92602	00474	21203	91111	03204	89111			772	92021	02	iffiff	FF-FFF								
Honington	586	02105	00444	19704	00900	04006				586	91802	01474	20904	91111	04209	89100			586	91011	52	ifffff	iff								
Wattisham	590	92206	01454	19606	91111	06003	89111			590	92506	00474	21003	91111	03309	89111			590	92021	01	fff	FF								
Gorleston	497	32605	48011	19608	30970	07104	83360			497	90000	00454	21106	91111	06210				497												
Aberporth	502	71907	80034	19407	75411	06206	83710	87622		502	61806	80031	20205	65511	04304	86622			502	00031	01	ff	+								
Filton	628	72503	60022	19808	75511	05004	87625			628	10000	15401	20404	15500	03302	81625			628	00003	54	+	ff								
Rhoose	715	71705	81012	19708	75511	06207	87625			715	01004	01464	20303	00900	03301				715	92011	53	+	ffff								
Hartland Point	703	62005	83012	19508	65511	07108	86620			703	41608	77031	19407	40930	06802	84360			703	00060	04										
Mount Batten	827	90905	03474	20105	91111	05106	89101			827	81106	45104	19609	86311	08503	84707	88709			827	91051	03	f	id.							
St. Mary's	817	71206	58032	19607	45631	06102	84645	86360		817	81103	19205	19109	85211	09703	84703			817	91051	02	jf	d.								
Scilly	804	81512	60022	19011	86311	10206	88709			804	81409	60022	18210	86311	09501	88708			804	00091	07	+	+								
Culdrose	809	81105	62022	19608	86211	07104	82703	83704	85706	809	91104	03454	19009	91111	09502	89100			809	00051	05	jf	FF								
Guernsey	894	81807	16102	20109	86111	09101	83702	88703		894	01610	40101	20108	00900	07302				894	00071	05	+	+								
Elmdon	534	72301	15284	19505	76311	05209	85707	87711		534	81502	16102	20306	85011	05305	81701	88621			534	00021	51	ff	+							
Cardington	559	02406	08424	19803	00900	03105				559	90000	03474	21003	91111	03306	89102			559	91501	52	ffif	ff								
Wittering	462	02506	05461	19705	00900	05205				462	80000	02464	20705	85511	05206	88626			462	91031	51	ffff	ffff								
Watnall	354	32701	25101	19705	00902	05207	83070			354	80000	12104	20605	85511	05305	88625			354	97021	52	f	ff								
Shawbury	414	80000	09424	19505	86011	05107	82700	84701	88708	414	71905	57104	19805	75511	05101	87624			414	00011	52	FFFF	ffifif								
Finningley	360	82403	35044	18707	85411	06207	88613			360	21802	32101	19504	25400	03303	82615			360	00011	53	ff	+								
Spurn Point	396	80000	12104	19006	86411	06206	88718			396	82303	20104	19806	86511	06206	88720			396				ff								
Leeming	257	01602	01424	19201	00900	01308				257	91702	02474	19551	91111	51103	89111			257	00511	52	FFFF	ff								
Tynemouth	262	02610	39104	18002	00900	02104				262	72305	56051	19003	75611	02307	87635			262	00011	00	+	+								
Carlisle	222	81504	30104	18504	86311	03306	83708	88710		222	81807	60022	18505	85411	04301	88615			222	00031	02	+	+								
Valley	302	80000	60024	18507	85511	06103	88626			302	61407	60032	18907	35306	06203	81706	83632	86270	302	00061	51	+	+								
Ringway	334	82902	12285	19506	86111	06208	82702	88712		334	71402	15104	20206	76311	06303	87708			334	00051	04	ff-ff	f								
Squires Gate	318	90000	03435	19205	91111	05208	89111			318	80902	15104	19305	85411	05203	83710	88635			318	97051	04	d _o ff	f							
Ronaldsway	204	80402	57042	18506	86411	05203	84711	88715		204	81708	65032	18309	86211	08301	82704	88712			204	00051	51	+	+							
Mull of Galloway	131	82117	66032	17508	35521	07801	83620	88530		131	82510	70026	18008	85511	07204	88625			131	97061											
Eskdalemuir	162	81907	25102	18204	86111	04205	85702	88705		162	81306	08586	18504	87011	04203	88701			162	01041	03	d _o	id _o d _o r _o d _o ff								
Prestwick	135	82007	40586	17406	85411	06202	83712	84616	86630	135	72607	45106	17608	75311	07204	81706	83710	85614	135	93061	02	d _o r _o ir _o	d _o r _o								
Abbotsinch	140	72110	40102	16607	75311	06204	81708	84710	87645	140	71702	50105	16807	75411	07303	81710	83622	87628	140	97051	01	+	id _o								
Leuchars	171	72608	40052	16005	75311	04500	84708	87645		171	52602	32052	16205	35401	04701	81615	83635	85075	171	00031	51	+	+								
Dyce	091	51002	70034	14701	25438	01801	81712	83272		091	62207	84021	14405	65511	02503	81620	86656			091	00501	53	+	+							
Lerwick	005	82323	70258	07906	88311	04708	83708	83814	88621	005	72427	70028	06208	75311	06502	82708	85614	87632	005	02051	03	pr _o	ir _o pr _o								
Wick	075	72008	84022	12605	65631	00805	86640	87360		075	12114	82021	13006	10930	03805	81359			075	00031	51	+	+								
Sule Skerry	010	82027	81032	10308	85511	05606	88625			010	32525	81021	09809	35600	07501	83630			010	97071	05										
Cape Wrath	049	62020	84022	10307	65511	05709	86625			049	52019	84808	10709	58500	07105	83820	85625			049	97071	07	+	pr _o							
Stornoway	026	72115	75216	11307	75511	05508	81620	87630		026	32210	70211	11807	35500	07301	81620			026	95061	02	r _o ir _o	ir _o pr _o								

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

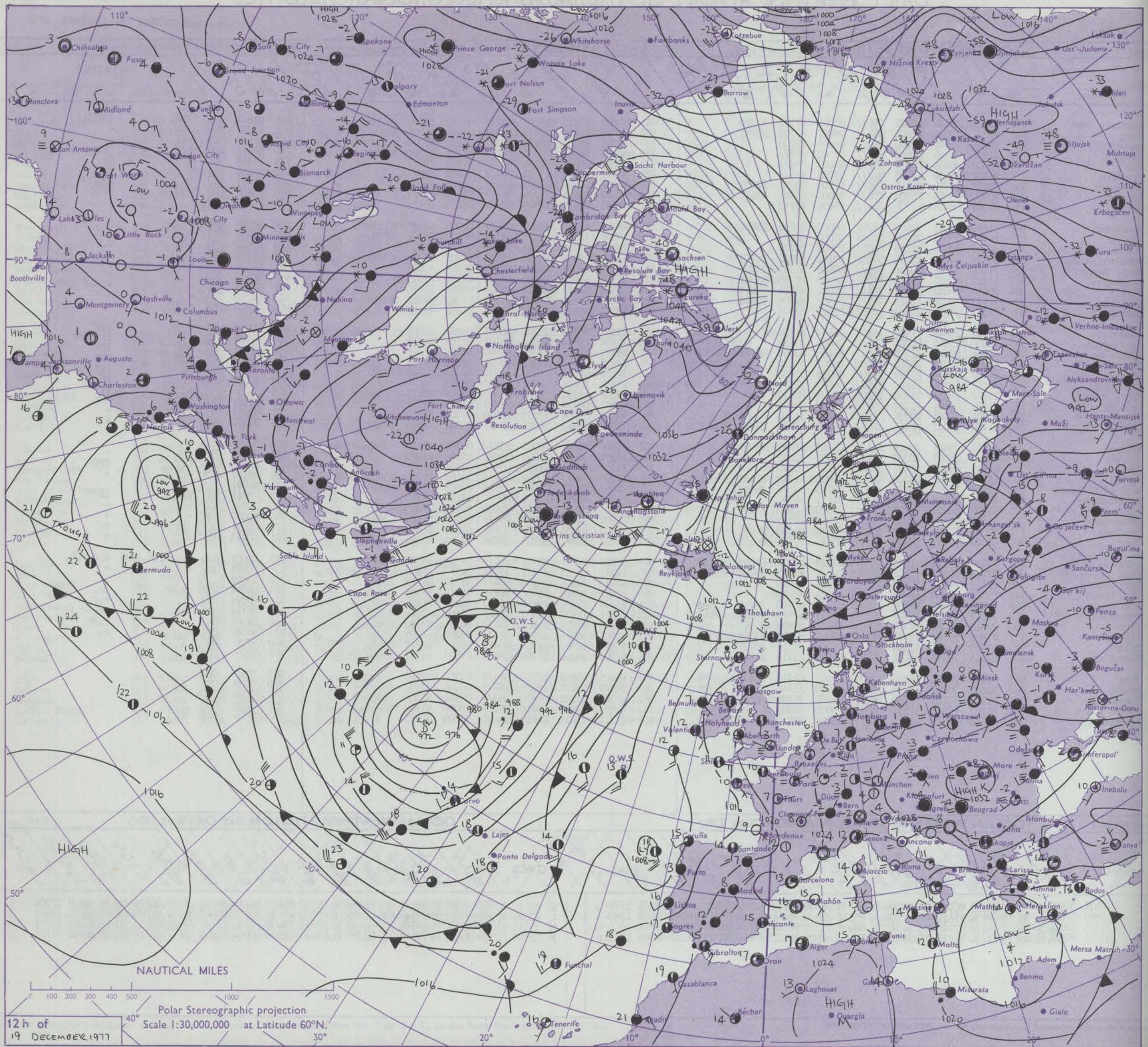
ISSN 0307-2541

No. 42397

Date of Issue TUESDAY 20 DECEMBER 1977

OBSERVATIONS at 12h. 19 December 1977										OBSERVATIONS at 18h. 19 December 1977										OBSERVATIONS during DAY						
Code FM II.V	Station	ill	Nddff	VVwwwW	PPPTT	N _h Ch _h Ch _h	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	Nddff	VVwwwW	PPPTT	N _h Ch _h Ch _h	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	RRT	T _h E	SSS	WEATHER		
																								09h.—15h.	15h.—21h.	
	Boscombe Down	746	70101	19284	22503	760//	03002	82701	87706		746	80805	25285	22107	862//	06203	83703	88705		746	91071	000	fffd ₀	d ₀ d ₀ fif		
	Hurn	862	83602	20514	22206	861//	06001	82702	88703		862	80603	14105	21608	852//	08102	86704	88612		862	97091	000	d ₀ d ₀	+		
	Manston	797	83104	04464	22806	860//	06005	88700			797	73602	16104	23206	763//	06105	87706			797	91081	000	f-ff	+		
	Gatwick	776	91801	02434	22605	9//	05002	89//			776	80402	06504	22705	870//	05104	86700	88705		776	97061	000	FFff	ffd ₀ d ₀ if		
	Kew	775	90000	00454	22804	9//	03003	89//			775	90000	00474	22904	9//	04103	89//			775	97051	000	FF	FF		
	Heathrow	772	92801	01454	23003	9//	03003	89//			772	90701	01434	23003	9//	03203	89//			772	91051	000	FF	FF		
	Honington	586	72002	18284	22805	750//	05104	83701	87627		586	81402	05464	23205	860//	05106	88700			586	97071	000	FFF	ffd ₀ FF		
	Wattisham	590	70000	05414	22705	750//	05005	83701	87620		590	91802	01474	23204	9//	04106	89//			590	00061	000	FFffff	ffff		
	Gorleston	497	82003	08424	22706	864//	05804	88712			497	91905	08454	23506	9//	06208	89//									
	Aberporth	502	51610	70031	20908	15702	06000	81656	85075		502	41717	64101	20007	15631	06303	81630	83359		502	00091	039	+	+		
	Filton	628	10902	25054	22008	15601	05000	81635			628	80906	15511	22007	871//	06302	85702	88704		628	97091	042	ff	d ₀ d ₀		
	Rhoose	715	30507	00464	21705	00901	05003	83075			715	70806	35105	21308	764//	07204	87710			715	91081	000	FFF	d ₀		
	Hartland Point	703	50909	64021	20209	32531	09102	83820	84360		703	71202	50052	19508	16231	07302	81703	87075		703	00100	018		+		
	Mount Batten	827	71009	32055	20210	762//	09803	81705	87707		827	31010	58051	19409	00901	07203	83078			827	00111	032	+	+		
	St. Mary's	817	61313	40052	19410	56331	08805	81706	85707		817	31214	56051	18308	00902	07101	83075			817	00111	038	+	+		
	Scilly	804	70914	58012	18511	784//	09001	82814	87619		804	10913	60011	17410	15500	09501	81620			804	00111	006	+	+		
	Culdrose	809	71113	30054	19410	753//	09801	83706	87618		809	51112	50051	18609	35330	08302	81708	83620		809	00110	023	+	+		
	Guernsey	894	71513	75021	21309	00902	05003	87075			894	11413	60021	20209	00902	04201	81075			894	00101	048	+	+		
	Elmdon	534	11504	59041	21908	15601	06107	81630			534	21602	50111	22503	00901	03204	82075			534	00091	052	+	fff		
	Cardington	559	70000	25104	22706	756//	06003	87630			559	21404	03424	23001	00901	01106	82078			559	97081	028	+	ififfff		
	Wittering	462	81806	09424	22706	850//	06105	83700	86701	88630		462	01902	02424	23201	00900	01303			462	91071	000	Fff	FFF		
	Watnall	354	32203	16284	22206	35600	06005	83630			354	12402	00444	22802	00901	02305	81075			354	00083	003	ffff	FFF		
	Shawbury	414	11903	56044	21508	15602	06006	81630			414	31102	04461	21902	15631	02305	81630	83075		414	00101	052	if	fff		
	Finningley	360	72002	19101	21107	756//	06005	87630			360	01102	00464	21801	00900	01205				360	00093	003	if	FF		
	Spurn Point	396	21802	16051	21706	25500	05108	82625			396	32003	18101	22206	35500	05206	83625			396			+	ff		
	Leeming	257	71502	30104	21302	757//	01109	87650			257	91602	00474	22001	9//	01308	89//			257	00051	021	+	fff		
	Tynemouth	262	22304	23051	20704	10931	03108	81360			262	12305	39050	21505	10930	04308	81360			262	00061	033	+	+		
	Carlisle	222	81704	56042	20407	885//	06209	81820	85630	88645		222	72004	57042	20907	754//	05207	81618	87629		222	00081	000	+	+	
	Valley	302	41614	75011	20609	11431	07105	81815	83070		302	71104	68031	20507	2567//	06306	82630	85360	87464		302	00091	049	+	+	
	Ringway	334	71804	38042	22008	756//	06007	87632			334	11306	30041	22306	00901	05306	81075			334	00091	030	+	+		
	Squires Gate	318	41405	09461	21007	35601	07007	83640			318	21107	00464	21202	00901	02104	82075			318	00081	011	ff	FFFf		
	Ronaldsway	204	61902	58042	20009	38401	08004	81710	83630	85072		204	71909	75012	20309	754//	06107	81710	83622	86630		204	00101	019	+	+
	Mull of Galloway	131	61905	66012	19808	2563//	08208	82630	86360		131	81918	78032	19709	3552//	08005	83620	88530		131	00091			if		
	Eskdalemuir	162	81606	09446	20505	860//	05111	88700			162	81702	12104	20806	860//	05108	88701			162	00061	000	ffif	if		
	Prestwick	135	51802	56041	19907	35431	06110	82616	83075		135	31506	58041	19706	35600	05102	81630	83645		135	00091	024	+	+		
	Abbotsinch	140	72302	40041	19306	7643//	06113	87712			140	71102	57041	19407	755//	05203	85624	87632		140	00081	000	+	+		
	Leuchars	171	42305	62034	18707	15632	04214	81630	84075		171	62405	57051	19404	15632	03006	81640	85075		171	00071	015	iff	+		
	Dyce	091	60000	62041	16906	15732	03111	81656	86072		091	71502	57041	18503	20936	02214	82362	87272		091	00083	038	+	+		
	Lerwick	005	73007	82218	11305	5537//	03129	82708	85640	87358		005	80518	60616	15702	854//	01225	85710	88615		005	02071	000	pr ₀ ir ₀ id ₀ d ₀	d ₀ d ₀ r ₀ r ₀	
	Wick	075	72113	81021	15007	45572	04217	82625	83640	85360		075	72212	80022	16707	3557//	04213	81620	83635	87465		075	00091	003	+	

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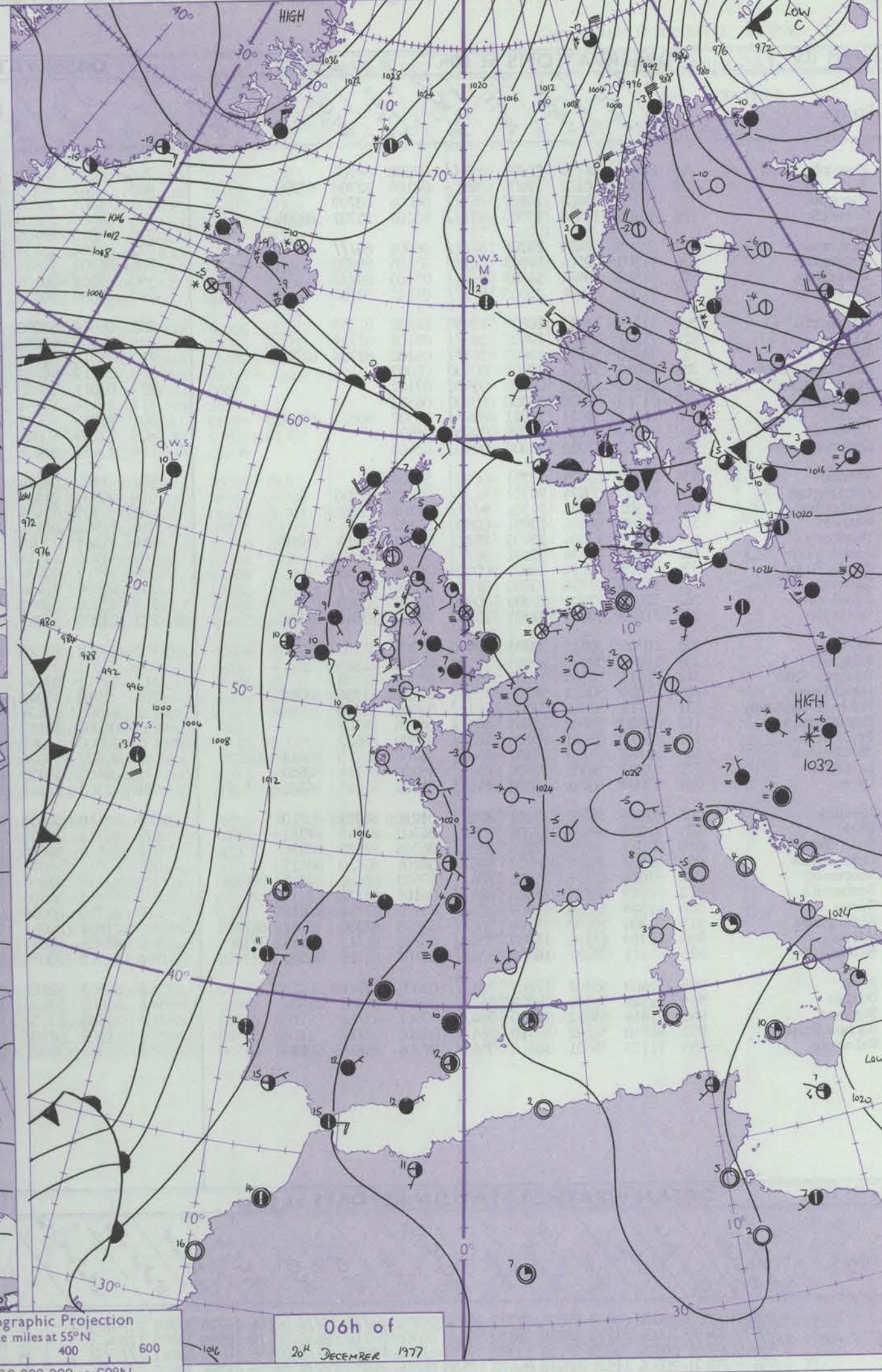
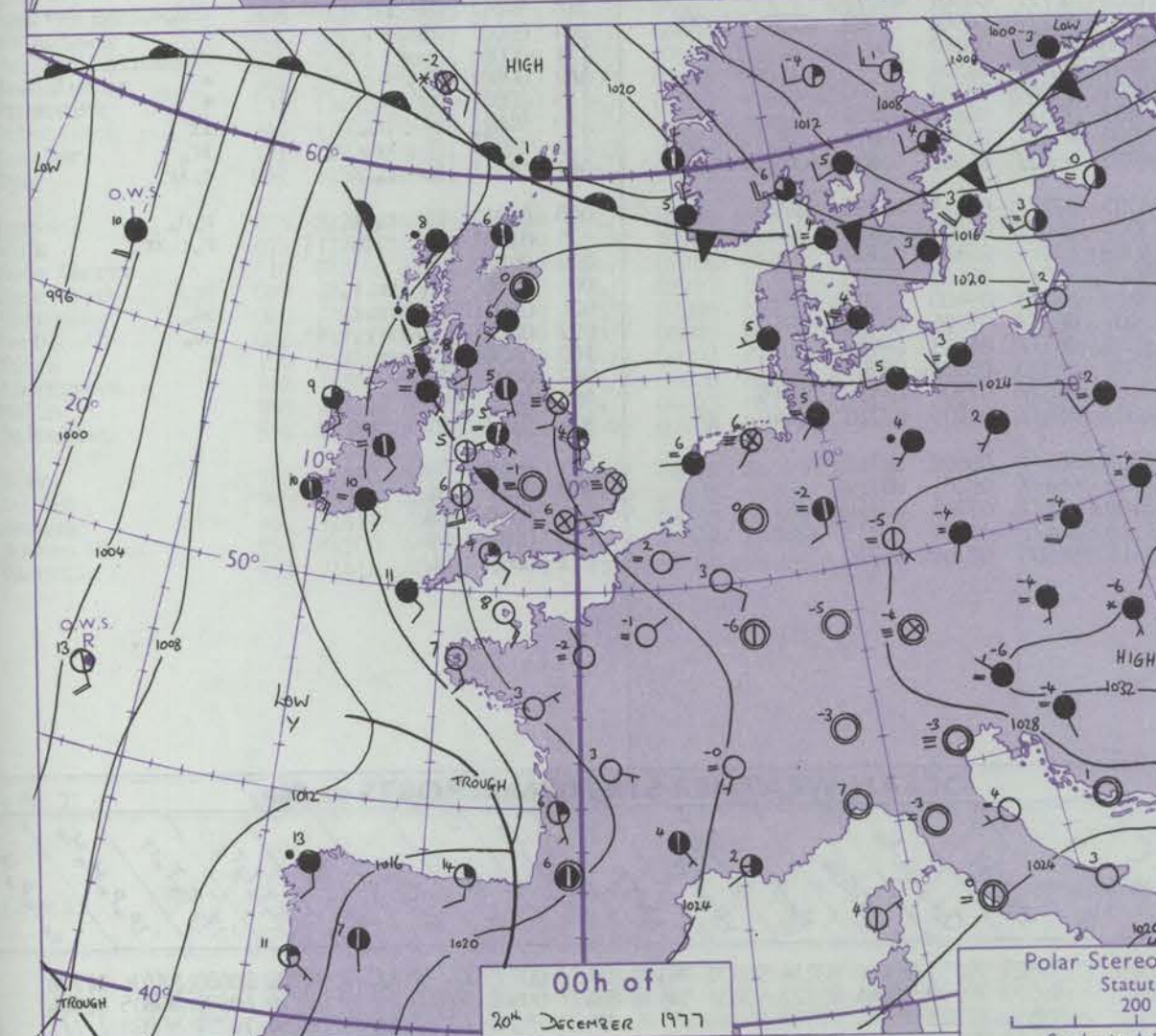
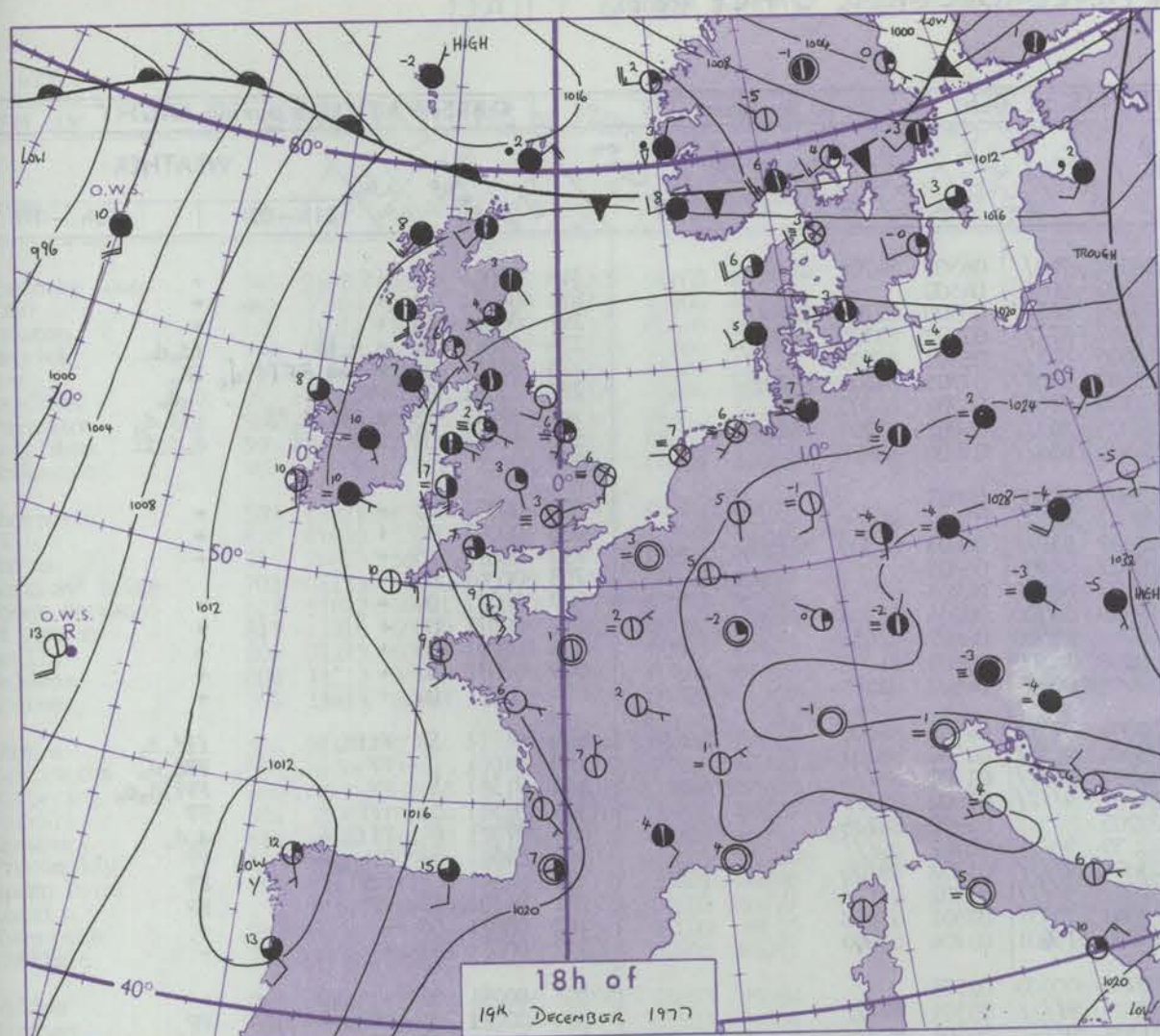


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Polar Stereographic projection
Scale 1:30,000,000 at Latitude 60°N.

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CHARTS OF WEATHER IN WESTERN EUROPE



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

Issued at midday
TUESDAY 20 DECEMBER 1977

GENERAL SYNOPTIC DEVELOPMENT.

During the past 24 hours an anticyclone has remained stationary over eastern Europe, whilst a ridge extending northwestwards over England moved slowly east to the southern North Sea. Pressure was low over the Atlantic and a frontal trough was slow moving near the Shetland Isles. During the next 24 hours the anticyclone will persist over

eastern Europe whilst the ridge over the North Sea moves to Scandinavia. Pressure will remain low in mid-Atlantic and a frontal trough will move slowly northeast towards Ireland, strengthening the southerly airflow over the British Isles.

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

OBSERVATIONS at 00h.										OBSERVATIONS at 06h.										OBSERVATIONS during NIGHT									
20 December 1977										20 December 1977																			
Station	iii	Nddff	VVwwWW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwwWW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RRT _n T _n E	TgTg	WEATHER							
																						21h.—03h.	03h.—09h.						
Boscombe Down	746	81006	34104	22707	863//	07500	88706			746	71208	56102	22307	762//	06501	84704	87706			746	00041	03	if	+					
Hurn	862	71006	50102	22409	763//	08104	82708	87709		862	00802	20101	22204	00900	04500					862	00031	51	+	+					
Manston	797	80102	35102	24107	863//	06004	88709			797	81107	30052	23807	861//	06500	82702	88706			797	00061	04	+	+					
Gatwick	776	80805	18515	23705	871//	05202	85702	88704		776	81006	24205	22907	871//	07702	83702	88703			776	91041	04	d _o d _o ff	fd _o d _o					
Kew										775	80805	18505	23006	872//	06303	88705			775	97051	05	FFff	FFff	id _o					
Heathrow	772	90805	07434	23706	9////	06001	89///			772	81004	18514	23107	870//	07705	84701	88702			772	97051	05	FFff	FFff	id _o				
Honington	586	91503	02504	24603	9////	03105	89/00			586	81202	10514	24204	870//	04704	88700			586	91021	03	d _o FFd _o d _o ff	ffd _o d _o						
Wattisham	590	91505	03434	24503	9////	03105	89///			590	81202	30105	24005	863//	04802	83706	88707			590	91031	03	FFd _o d _o ff	d _o d _o ff					
Gorleston	497	91908	00454	25005	9////	05207	89/00			497	80000	60024	24605	855//	05400	88620			497										
Aberporth	502	11719	58051	19606	10930	04802	81359			502	01616	62050	19605	00900	03603					502	00051	01	+	+					
Filton	628	71507	40055	22407	763//	05101	87709			628	81206	40052	22007	863//	05603	88709			628	00071	05	+	+						
Rhoose	715	70910	50052	21807	763//	06102	82708	87709		715	71011	50052	21307	763//	06803	81709	87710			715	00071	05	+	+					
Hartland Point	703	01316	56021	19307	00900	06007				703	01219	40050	18407	00900	06809					703	00061	03		+					
Mount Batten	827	01111	58050	20208	00900	07102				827	01011	56050	19407	00900	06703					827	00071	04	+	+					
St. Mawgan	817	01212	60020	18708	00900	06503				817	21414	57051	18008	06300	07805	82708			817	00071	05	+	+						
Scilly	804	81311	62021	17611	884//	08502	86814	88620		804	21215	65021	16710	25500	08802	82623			804	00091	07	+	+						
Culdrose	809	01310	40051	18809	00900	08500				809	11209	40050	18008	16300	07803	81708			809	00072	52	+	+						
Guernsey	894	01413	57050	20808	00900	05400				894	21412	61020	20407	00901	04502	82075			894	00071	04	+	+						
Elmdon	534	00000	02484	23251	00900	51000				534	81102	06514	22804	870//	04603	88700			534	91511	53	FFfd _o	ffd _o d _o						
Cardington	559	92202	00474	24301	9////	01003	89/00			559	90903	01514	23804	9////	04504	89/01			559	91001	01	FF	FFd _o d _o						
Wittering	462	91502	00454	24301	9////	01102	89//			462	91905	02434	24501	9////	01500	89//			462	91511	51	FF	FFff	fd _o d _o					
Watnall	354	00000	01484	23951	00900	51102				354	91904	01434	24101	9////	01002	89//			354	91511	55	FFF	FF						
Shawbury	414	81303	17104	22405	862//	05801	83704	88706		414	81605	32045	22205	863//	05802	88706			414	97021	01	FFfd _o d _o	d _o d _o						
Finningley	360	91502	00474	22951	9////	51501	89//			360	91706	01434	23250	9////	50302	89//			360	91511	52	FF	FF						
Spurn Point	396	31803	60014	23604	00908	04204	83275			396	91712	00474	23801	9////	01302	89/00			396			FF	FF						
Leeming	257	91705	01434	23100	9////	00304	89//			257	91509	01454	22201	9////	01302	89//			257	91501	01	FF	FF						
Tynemouth	262	52003	25101	22503	50930	02103	85360			262	72009	56022	22003	7093/	02601	87358			262	00021	50	+	+						
Carlisle	222	71605	50041	21505	3563/	04303	83640	87360		222	21205	57041	20704	15601	03704	81640			222	00021	53	+	+						
Valley	302	10706	70011	20105	10930	05704	81360			302	00502	80020	19904	00900	02501					302	00031	51	+	+					
Ringway	334	11608	50040	22905	10930	04500	81365			334	91907	04474	22903	9////	03501	89//			334	00011	00	FF	FF						
Squires Gate	318	71311	30104	21605	7093/	05301	87360			318	91311	07454	21304	9////	04501	89//			318	97041	03	ff	ffd _o d _o						
Ronaldsway	204	81009	50042	20308	1533/	07803	81706	88362		204	81010	35042	20407	862//	06301	81703	85704	88706			204	00061	05	+	+				
Mull of Galloway	131	81712	32022	20008	862//	07002	88704			131	91508	05474	20106	9////	06102	89//			131	00061									
Eskdalemuir	162	80000	50102	21805	863//	04206	88707			162	00000	30101	21701	00900	01502					162	00001	54	+	+					
Prestwick	135	81811	62021	20108	855//	06000	88622			135	10000	59041	19704	15600	03201	81630			135	00021	52	+	+						
Abbotsinch	140	30706	34212	20107	854//	06204	82715	84618	87628	140	70802	35046	19807	755//	06602	87626			140	91011	52	ir _o	if						
Leuchars	171	82207	56052	20606	854//	05209	86714	88650		171	82405	57056	20306	854//	05203	88616			171	97031	02	ir _o	ir _o						
Dyce	091	60000	56041	19000	1563/	51004	81645	86360		091	81503	57216	18705	5562/	04501	81630	83645	88460			091	01511	55	r _o	r _o ir _o				
Lerwick	005	80915	50607	19101	872//	01210	84705	88710		005	81610	50636	16707	872//	07615	87703	88705			005	08012	01	r _o s _o	r _o d _o					
Wick	075	71905	80032	17906	3567/	04302	83645	87362		075	81712	70026	17007	856//	05503	88636			075	01051	51	r _o r _o	r _o r _o ir _o						
Sule Skerry	010	82013	64606	17208	2552/	06203	82620	88458		010	81610	64616	16008	875//	07605	88720			010	04062	04								
Cape Wrath	049	82302	70806	16407	885//	04204	86820	88625		049	82016	84026	15409	855//	08502	88620			049	02061	05	pr _o r _o r _o	ir _o						
Stornoway	026	82014	62616	15508	854//	07603	83710	85615	88630	026	82119																		

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

Date of Issue WEDNESDAY 21 DECEMBER 1977

No. 42398

OBSERVATIONS at 12h. 20 December 1977										OBSERVATIONS at 18h. 20 December 1977										OBSERVATIONS during DAY				
Code FM II.V	Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT x T x E	SSS	WEATHER	
																							09h.-15h.	15h.-21h.
Code FM II.V	Boscombe Down	746	21010	56051	22107	16302	05803	81706			746	10911	23101	20204	16200	03705	81705			746	00071	054	+	+
	Hurn	862	30703	28051	21708	16331	07804	81708			862	10705	15101	19905	16300	05306	81708			862	00083	023	+	+
	Manston	797	71011	33052	23907	763//	05804	87708			797	70810	38052	21906	763//	05305	87708			797	00071	000	+	+
	Gatwick	776	20812	40041	22907	26300	05804	82706			776	30707	18101	21104	36300	03707	83707			776	00071	014	+	+
	Kew	775	61105	30055	22907	663//	05807	86708			775	61005	28051	21405	664//	03707	86710			775	00071	003	+	+
	Heathrow	772	71006	45055	23307	763//	05804	82707	87709		772	11007	26101	21604	16300	04708	81709			772	97071	003	d.	+
	Honington	586	81105	30055	24507	863//	06803	88708			586	80907	38052	22906	863//	05704	83707	88708		586	00071	000	+	+
	Wattisham	590	81008	27202	24306	862//	05802	82703	86704	88706	590	80907	35052	22406	862//	05705	83704	88705		590	97071	000	id.	+
	Gorleston	497	71409	58022	25006	755//	05804	87625			497	81110	60022	23506	855//	03705	88625			497		000		
	Aberporth	502	11621	62050	18608	00902	03807	81075			502	11624	65050	16306	10940	02506	81365			502	00091	067	+	+

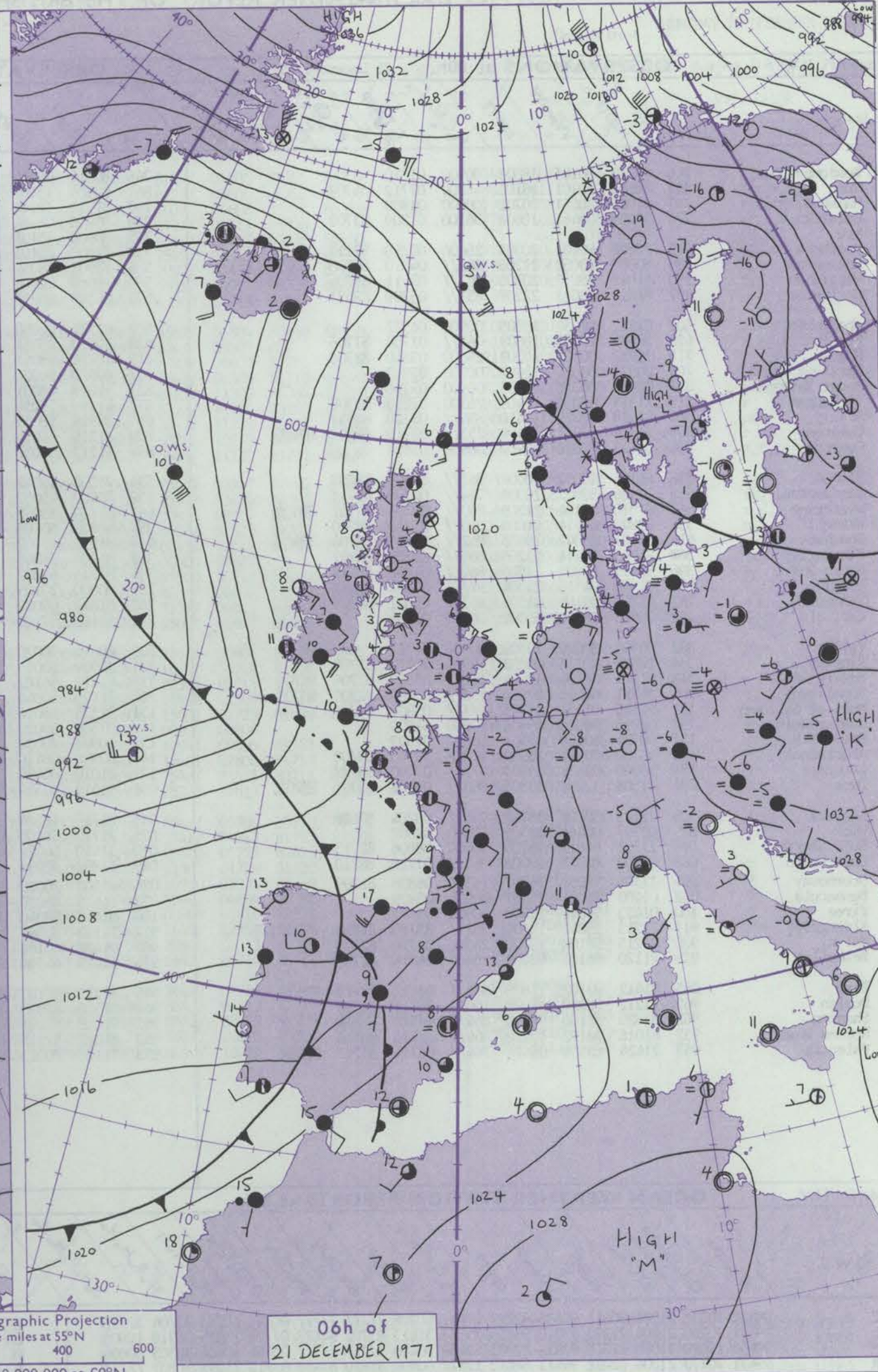
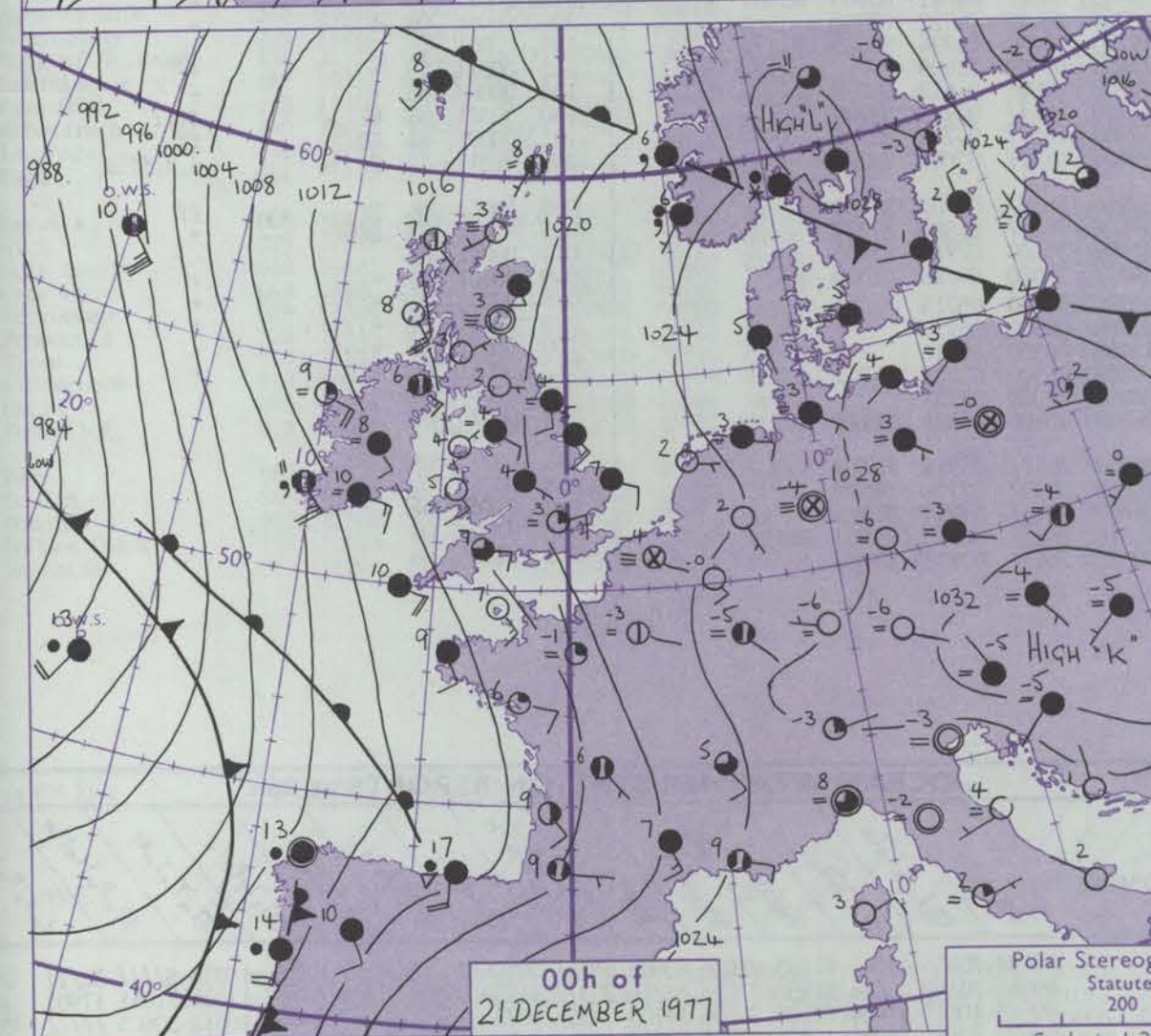
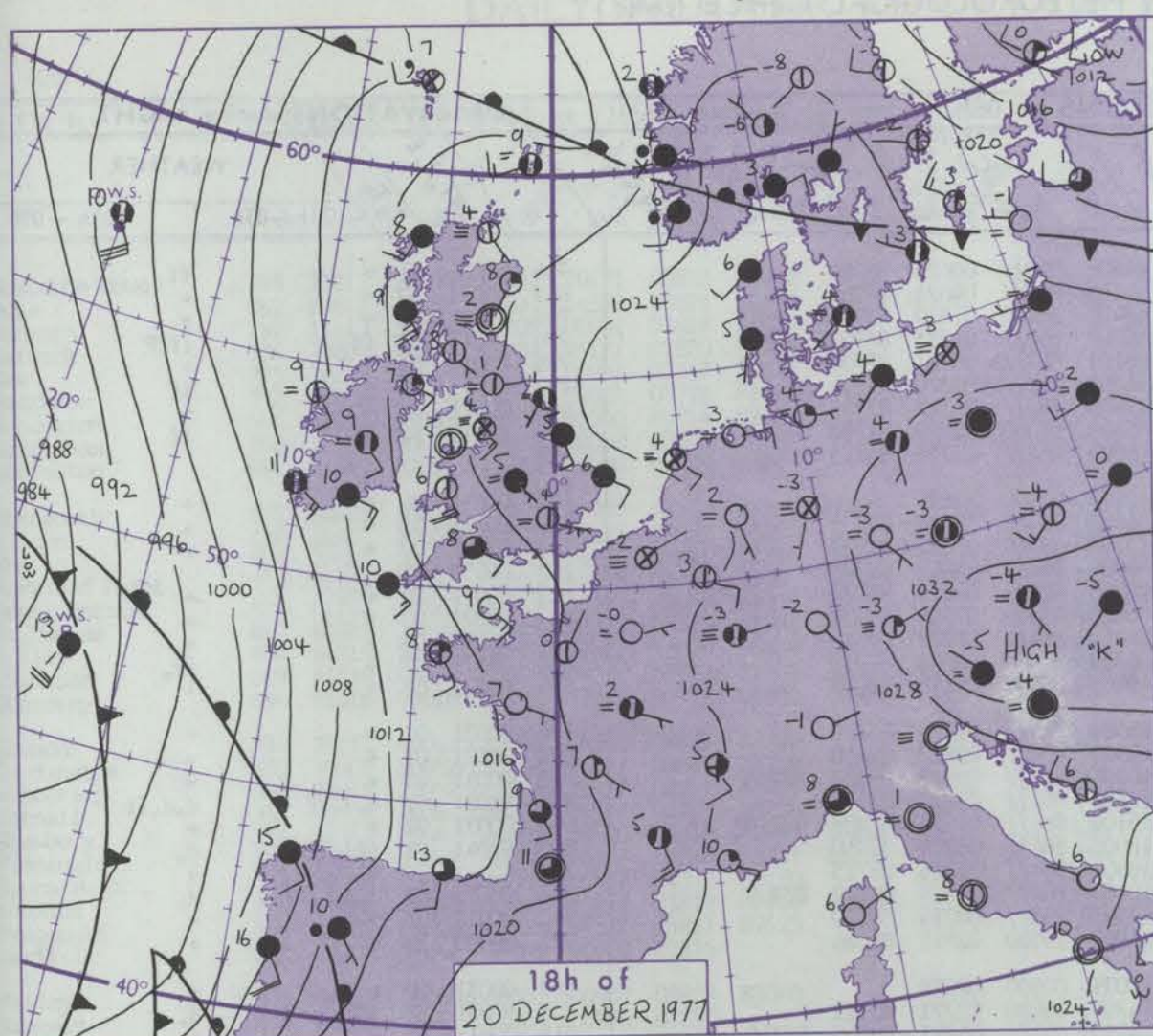
OCEAN WEATHER STATION REPORTS at 12h.																	OCEAN WEATHER STATION REPORTS at 18h.																
Code FM 21.V																																	
O.W.S.		99L _a L _a L _a	Q _c L _o L _o L _o L _o	YYGGIw	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	D _s sapp	8N _s Ch _s h _s	8N _s Ch _s h _s	OT _s T _s T _d T _d	IT _w T _w T _w T _w	3P _w P _w H _w H _w	d _w d _w P _w H _w H _w	O.W.S.	99L _a L _a L _a	Q _c L _o L _o L _o L _o	YYGGIw	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	D _s sapp	8N _s Ch _s h _s	8N _s Ch _s h _s	OT _s T _s T _d T _d	IT _w T _w T _w T _w	3P _w P _w H _w H _w	d _w d _w P _w H _w H _w			
C M L R		99527	70355	20121	80708	95516	66107	863//	00641	88709	////	05007	10732	30503	02909		C M L R		99527	70355	20181	60912	97038	62608	43450	00713	////	////	00208	10724	30605	32209	
		99572	70199	20124	51621	97258	99710	48530	00207	82820	83640	07/08	10992	30805	13804				99573	70201	20184	71530	97012	97710	3557/	00505	83626	85359	07/08	10991	30806	10804	
		99658	10020	20124	53016	97032	21402	49460	00221	84918	////	05855	10580	30304	30606				99658	10020	20184	81211	97032	23202	4541/	00209	////	////	05751	10596	30201	33605	
		99470	70171	20124	81535	95616	92013	872//	00730	88705	////	07/13	11290	30808	////				99472	70170	20184	81824	97026	88112	1727/	00619	81705	88458	07/12	11295	30808	////	

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



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

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.

During the past 24 hours pressure has remained high over central and eastern Europe. A deep depression in mid-Atlantic has moved slowly north. Southeasterly flow covered southern Britain and southerly or southwesterly flow affected northern districts with a frontal trough near Shetland moving away north slowly. The main pressure centres are

expected to move little during the next 24 hours but a frontal trough will progress northeastwards later across most districts, preceded by strengthening southeasterly flow and followed by strong southwesterlies.

Issued at midday WEDNESDAY 21 DECEMBER 1977

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

Code FM II.V	OBSERVATIONS at 00h.										21 December 1977	OBSERVATIONS at 06h.										21 December 1977	OBSERVATIONS during NIGHT									
Station	iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RR	T _n E	T _g T _g	WEATHER									
																							21h.—03h.	03h.—09h.								
Boscombe Down	746	00913	30101	18801	00900	01810				746	80914	06461	14800	860//	00625	88700				746	00001	51	+		ff							
Hurn	862	40505	20101	18102	46300	02712	84707			862	80606	15101	14204	862//	04621	88704				862	00011	50	+		+							
Manston	797	01007	20051	20702	00900	01709				797	31110	19101	17402	36200	01819	83704				797	97021	52	+		+							
Gatwick	776	30705	06461	19602	36100	01809	83702			776	80706	04464	16001	860//	01725	88700				776	97511	55	ff		ffFF							
Kew										775	80906	15101	16101	862//	00721	88704				775	00011	53	+		+							
Heathrow	772	20808	40101	20003	26400	03710	82712			772	71007	20101	16501	762//	00820	87704				772	00011	53	+		if							
Honington	586	80908	13052	21205	862//	04810	88705			586	70907	25052	17803	763//	02722	87709				586	00021	01	+		+							
Wattisham	590	81012	35052	20705	862//	03711	88704			590	10908	20101	17803	16300	02718	81708				590	00011	51	+		if							
Gorleston	497	81012	60022	22207	855//	05709	88625			497	81315	40052	18905	864//	03718	88715				497												
Aberporth	502	01412	62050	15505	00900	01502				502	01521	62050	10104	00900	51634				502	00031	01	+			+							
Filton	628	70909	20051	18803	763//	01708	87706			628	10910	25051	14602	16300	50628	81706				628	00011	51	+		+							
Rhoose	715	20713	30101	17303	26300	03810	82706			715	40716	48041	13703	46300	01622	84707				715	00021	00	+		+							
Hartland Point	703	00922	60020	13407	00900	05813				703	80920	56021	09606	863//	05817	88708				703	00050	05										
Mount Batten	827	00912	56050	14608	00900	07710				827	31015	48051	09208	00902	07715	83075				827	00071	06	+		+							
St.Mawgan	817	21318	58050	12409	26300	07815	82708			817	41219	58051	06609	46300	07726	84707				817	00071	05	+		+							
Scilly	804	81018	58022	10410	854//	08720	88611			804	80918	58031	04410	864//	08828	88710				804	00091	08	+		+							
Culdrose	809	71314	57051	12409	753//	08715	84707	87620		809	31216	57051	06709	36400	08825	83710				809	95071	07	+		ir.							
Guernsey	894	01413	62020	15407	00900	05814				894	11217	62030	10808	00902	05618	81075				894	00071	05	+		+							
Elmdon	534	81106	45042	20004	863//	03709	88707			534	71008	45042	16503	764//	01719	87710				534	00021	01	+		+							
Cardington	559	70906	57052	20705	764//	04709	87711			559	80909	45052	16904	864//	03823	88710				559	00021	01	+		+							
Wittering	462	81010	14104	21205	860//	05709	84701	88702		462	81110	35052	18104	863//	02818	85707	88708				462	00031	03	+		+						
Watnall	354	80807	08514	21005	860//	05710	88700			354	80810	50105	17803	864//	03821	88712				354	92021	01	d _o d _o ff		d _o d _o ff							
Shawbury	414	81407	25042	19605	862//	03805	82704	88707		414	81210	42042	16104	863//	01721	82708	88710				414	00031	02	+		+						
Finningley	360	81206	15514	21205	860//	05805	88701			360	81208	56045	18005	864//	03719	88710				360	97041	03	ffd _o d _o		d _o							
Spurn Point	396	81415	60022	21905	864//	04809	88712			396	81216	62022	18906	864//	04716	88715				396					+							
Leeming	257	91508	04514	21304	9//	04808	89//			257	80000	20105	18404	861//	03819	82702	88709				257	92021	02	d _o d _o FFff		d _o						
Tynemouth	262	81815	23104	21503	863//	03601	88706			262	81817	69022	19505	855//	04714	88620				262	00011	01	+		+							
Carlisle	222	00906	59020	19002	00900	01706				222	11108	57100	16902	15500	02811	81624				222	00003	55	+		+							
Valley	302	00505	80020	15504	00900	01712				302	00614	70020	11003	00900	00729				302	00031	52	+			+							
Ringway	334	10902	40111	20003	16300	03712	81708			334	30909	50045	16704	36400	02721	83712				334	97031	52	jf		d _o							
Squires Gate	318	81111	30104	19004	862//	03809	82704	88706		318	81013	56102	15705	863//	04821	83708	88710				318	00011	51	+		+						
Ronaldsway	204	81321	40042	17206	862//	05809	82704	88705		204	31125	50041	13706	36400	04722	83710				204	00051	04	+		+							
Mull of Galloway	131	91620	01454	17005	9//	05806	89//			131	31535	63014	12705	35500	04724	83625				131	00041											
Eskdalemuir	162	03205	58020	19901	00900	51809				162	03508	60020	17801	00900	51809				162	00511	55	+			+							
Prestwick	135	00704	65020	17503	00900	01609				135	10803	70030	15003	00901	01612	81070				135	00003	55	+		+							
Abbotsinch	140	90000	00474	18950	9//	50705	89/00			140	80908	08414	16403	860//	03712	88700				140	00521	54	FF		ffif							
Leuchars	171	90000	01454	19803	9//	03000	89//			171	81010	06424	17904	860//	04710	88700				171	00001	51	FF		ff							
Dyce	091	81508	11281	19805	860//	05001	83701	88702		091	91512	03514	18905	9//	05603	89//				091	91011	52	f		d _o d _o ffid.							
Lerwick	005	72105	50102	18708	755//	08204	87626			005	81713	18284	18206	861//	06707	88702				005	97061	06	ff		ff							
Wick	075	02503	00464	18503	00900	02802				075	71712	56104	17506	762//	05505	87703				075	91511	53	ffFF		+							
Sule Skerry	010	21108	64011	18109	26400	08806	82715			010	31410	64024	15908	35600	07712	83635				010	00051	06										
Cape Wrath	049	80902	60022	17008	864//	07710	88710			049	11802	82031	14111	15500	04720	81620				049	00061	01	+		+							
Stornoway	026	11306	58051	16307	16300	06808	81709			026	01202	70020	13707	00900	05713				026	00041	01	+		+								
Benbecula	022	01409	75021	15207	00900	05809				022	01415	65020	12208	00900	06722				022	00051	51	+		+								
Tiree	100	01423	57041	14908	00900	05711	</																									

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

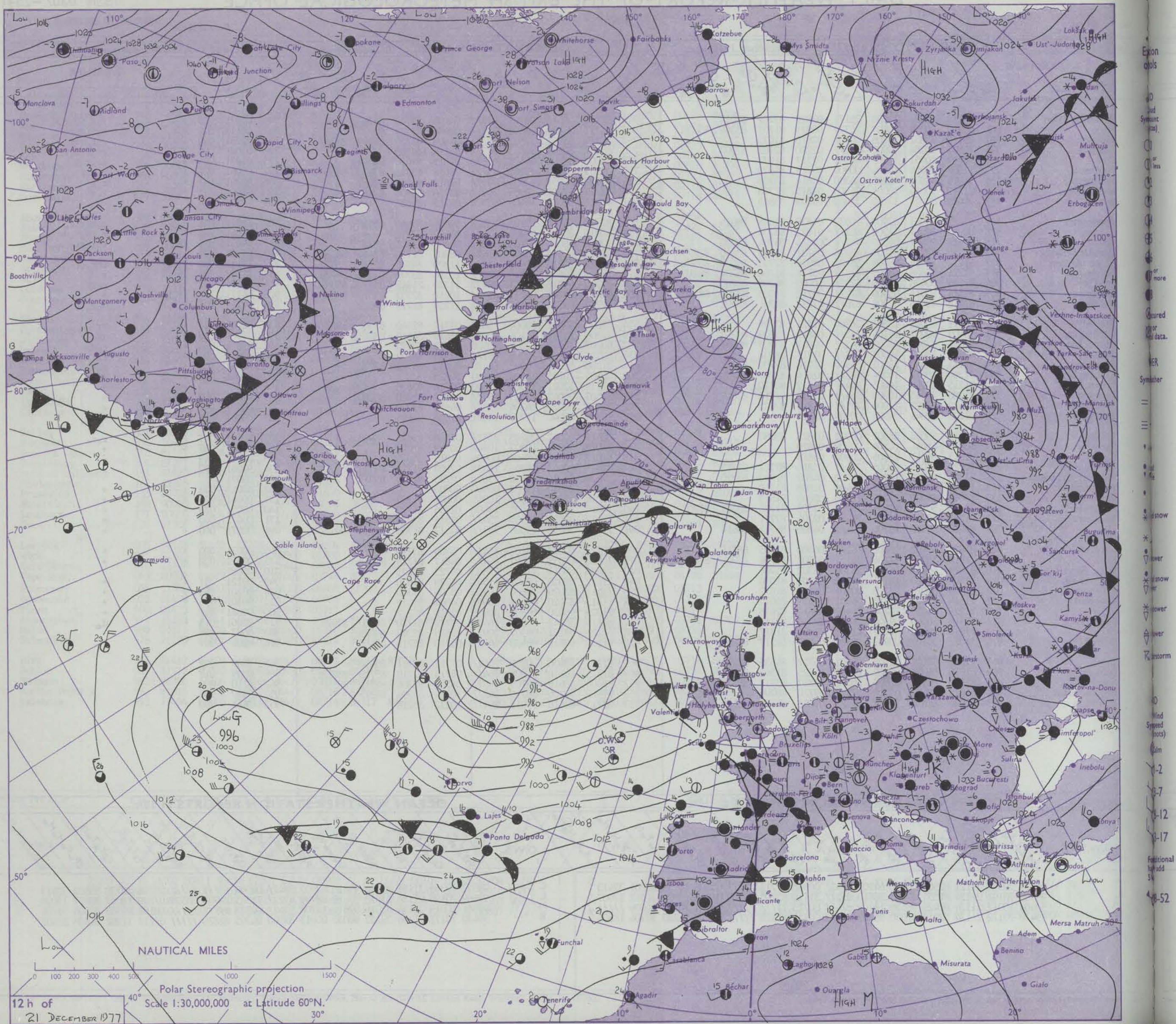
Date of Issue THURSDAY 22 DECEMBER 1977

No. 42399

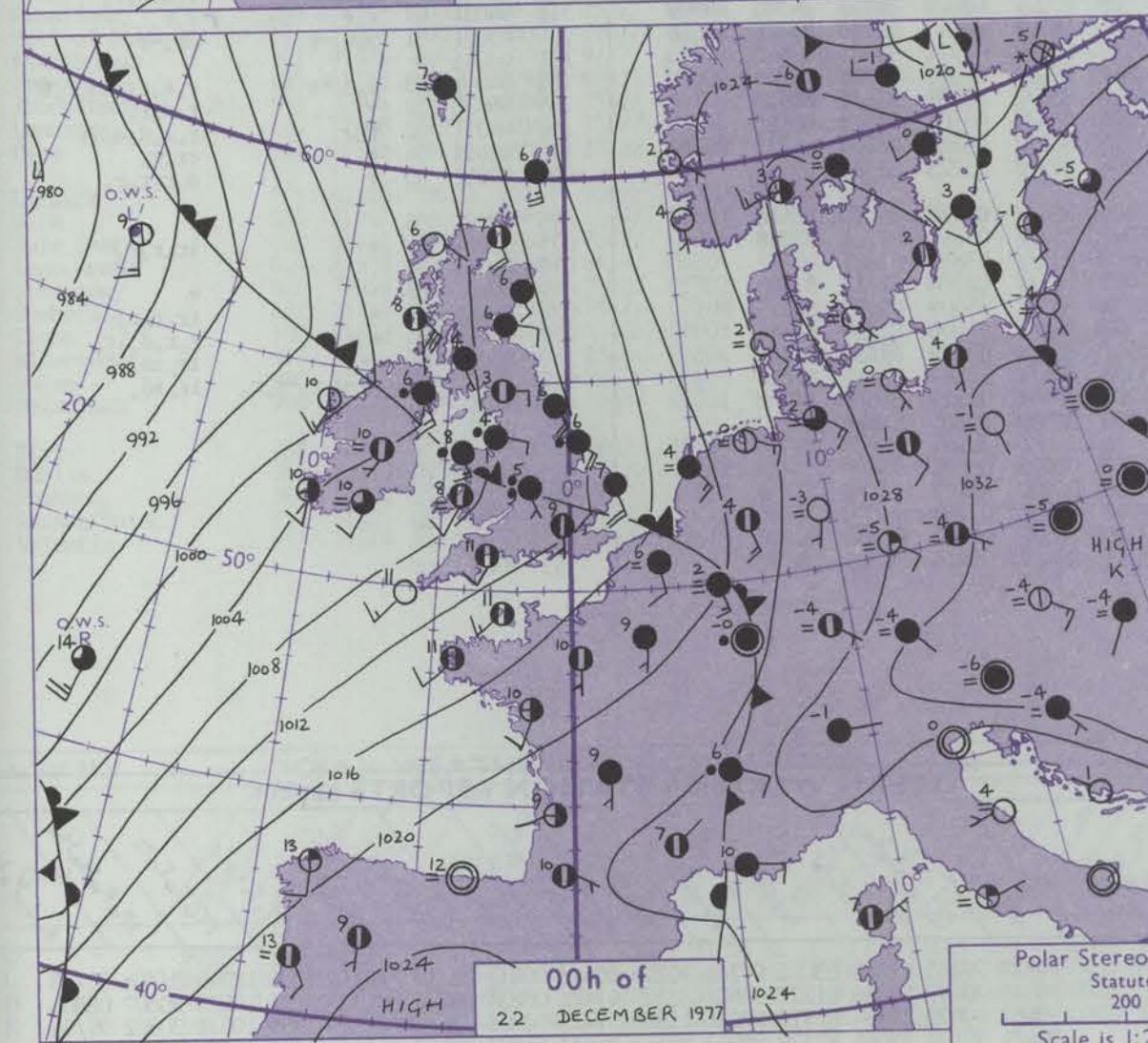
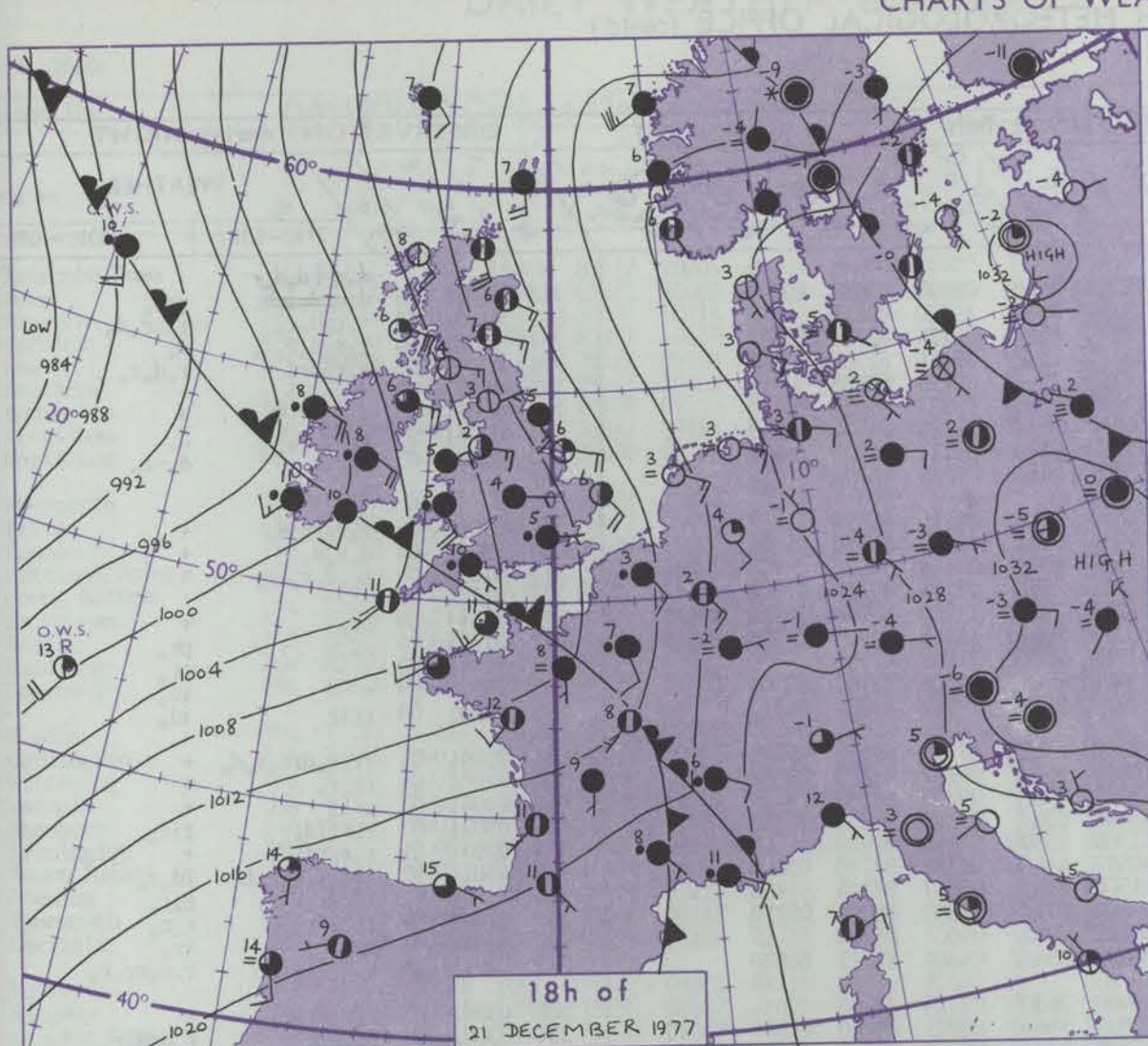
OBSERVATIONS at 12h. 21 December 1977											OBSERVATIONS at 18h. 21 December 1977											OBSERVATIONS during DAY				
Code FM 11.V											Code FM 11.V											Code FM 11.V				
Station											Station											Station				
iii											iii											iii				
Nddff											Nddff											RRT x T x F				
VVwwwW											VVwwwW											SSS				
PPPTT											PPPTT											WEATHER				
N _h Ch _h C _h											N _h Ch _h C _h											09h.—15h.				
T _d app											T _d app											15h.—21h.				
8N _s Ch _s h _s											8N _s Ch _s h _s															
8N _s Ch _s h _s											8N _s Ch _s h _s															
8N _s Ch _s h _s											8N _s Ch _s h _s															
Boscombe Down	746	70813	22284	11603	76171	03822	87702	85072			746	81013	40612	08705	872//	04605	85705	88707	746	01071	000	+	r _o r _o rd _o r _o d _o f			
Hurn	862	60813	30052	10607	16372	05821	81707	83364	85070		862	81211	35616	08208	872//	08604	85703	88707	862	06111	000	r _o r	r _o rrr _o r _o			
Manston	797	11113	35051	15205	00901	02816	81075				797	81314	35601	12805	3637//	04608	83706	86359	797	02051	049	+	r _o r _o rrr _o			
Gatwick	776	70807	10284	13902	761//	02820	82702	87703			776	80907	32621	10605	873//	04613	88708		776	01081	006	FFFf	rr _o r _o d _o r _o			
Kew	775	10809	20051	14203	00901	02717	81072				775	81008	30601	10605	4562//	02615	84630	88460	775	01071	034	+	ir _o r _o r			
Heathrow	772	11008	26054	14404	00901	03719	81070				772	80907	35601	10705	7542//	03615	83616	87630	772	01061	028	+	r _o r _o r			
Honington	536	31010	35051	16205	36300	03814	83709				586	71109	25051	12904	7097//	03613	81362	87467	586	95061	045	+	r _o r			
Wattisham	590	21112	30054	16005	26300	03815	82708				590	81217	17101	12805	5631//	03714	85706	88465	590	01061	035	+	r _o r			
Gorleston	497	31415	32051	17805	32400	03709	83815				497	41421	50050	14406	45500	04715	84625		497		038					
Aberporth	502	61423	60051	05907	10932	01838	81365	86075			502	81520	56616	05105	3562//	04804	83640	88558	502	02071	029	+	r _o rrr _o r _o			
Filton	628	80917	20051	11502	862//	01822	88704				628	81014	35602	08305	874//	03507	88712		628	01061	000	+	r _o rd _o r _o dr			
Rhoose	715	70621	20041	09203	762//	02825	86704	83650			715	80613	18636	07104	872//	04603	83705	88707	715	04051	001	ir _o	r _o r _o rr			
Hartland Point	703	71225	58052	04807	45276	05731	81705	83640	87275		703	81612	66616	04308	3542//	08305	81710	83640	703	01102	000					
Mount Batten	827	81212	38626	05409	5522//	08819	82705	85630	88550		827	82212	50216	05411	852//	11309	84704	86710	827	19111	000	r _o Rr	rRr _o pr			
St. Mawgan	817	81321	36636	03609	873//	08714	81706	85707	88710		817	82109	50606	04810	872//	10314	83703	84707	817	11122	000	rr	r			
Scilly	804	81214	50636	01910	6732//	10000	86709	88460			804	72305	60018	04911	38472	11224	81815	85360	804	06122	001	rr	prrr			
Culdrose	809	81514	40616	03409	872//	08712	81703	84706	88710		809	62411	45106	05211	652//	10219	82703	83616	809	04111		ir _o r _o r _o	+			
Guernsey	894	81418	40616	07308	870//	07721	84701	87702			894	62214	63036	08611	5543//	11220	81711	85628	894	09111	000	r _o r _o rr	d _o r _o rr			
Elmdon	534	31011	40041	13803	36300	01821	83708				534	81007	40041	10004	25617	02717	82640	87466	534	02041	028	+	rr			
Cardington	559	70909	30052	15104	763//	03819	85709	86712			559	71306	25101	11104	7097//	03619	84360	87463	559	01061	028	+	ir _o			
Wittering	462	71014	22052	16003	762//	02817	83705	86707			462	60707	16051	12303	00906	02717	85275		462	92051	004	+	r _o d _o			
Watnall	354	80811	18042	16003	863//	01715	88708				354	80510	10102	12003	861//	02623	88702		354	97031	000	+	r _o			
Shawbury	414	51111	27042	13803	56300	01716	83709	84711			414	71206	19041	09903	664//8	02614	86710	87272	414	94041	000	+	r _o r _o			
Finningley	360	71208	35042	16004	763//	02814	83707	87709			360	00505	10101	12500	00900	50820			360	00041	000	+	ff			
Spurn Point	396	81215	20052	16805	864//	04812	88710				396	31118	32021	13306	35500	04716	83620		396			+	+			
Leeming	257	71406	37045	16905	754//	03812	81710	87612			257	81507	30042	13803	863//	01807	82708	88710	257	00051	000	+	+			
Tynemouth	262	71622	61022	17906	755//	04811	87625				262	71718	61022	14306	755//	04611	87620		262	00071	000	+	+			
Carlisle	222	01205	57041	14905	00900	02816					222	10704	45040	11703	15601	01608	81645		222	00061	056	+	+			
Valley	302	30612	65030	08507	00902	03823	83080				302	80611	60041	06205	3557//	02606	83626	88460	302	91101	047	+	r _o r _o			
Ringway	334	00811	45041	14304	00900	01820					334	31013	40040	10303	10942	50719	81358		334	00041	050	+	+			
Squires Gate	318	01013	56041	13505	00900	03818					318	41017	35040	09402	00904	01815	84075		318	00051	049	+	+			
Ronaldsway	204	71022	45041	12005	764//	03816	82712	87715			204	71019	40041	08805	16438	02509	81712	87275	204	97061	000	+	r _o			
Mill of Galloway	131	31524	60020	11706	32400	04803	81710	83820			131	51526	62031	07606	15601	02723	81630	85075	131	00071						
Eskdalemuir	162	10307	62011	16103	16400	01808	81710				162	00107	30050	12802	00900	00806			162	00043	040	+	+			
Prestwick	135	11010	65020	13405	11400	02803	81815				135	11014	62040	09504	10941	00804	81362		135	00061	055	+	+			
Abbotsinch	140	70813	56104	14604	762//	03808	81705	83707	87708		140	10814	50051	11005	16401	02806	81712		140	00051	026	+	+			
Leuchars	171	71211	59054	17606	764//	02704	87711				171	71117	62022	14307	754//	03511	83712	87616	171	00071	000	+	+			
Dyce	091	81410	58055	18306	854//	04805	86711	88614			091	71313	56052	15506	753//	04617	81708	83710	86614	091	00071	000	+	+		
Lerwick	005	81821	50102	18406	862//	06000	83705	88710			005	81722	60022	17107	854//	05709	83710	88616	005	00071	000	+	+			
Wick	075	71619	58052	17306	762//	04802	83704	85706	87709		075	71624	65052	14507	754//	04817	81715	87618	075	00071	000	+	+			
Sule Skerry	010	51421	56051	15307	56300	06302	85706				010	21434	66011	11907	25500	05722	82625		010	00081						
Cape Wrath	049	11402	84020	13711	00902	06103	81070				049	21412	84020	08407	11502	01729	81820		049	00121	051	+	+			
Stornoway	026	11509	84020	12210	00901	05807	81072				026	11417	82020	08808	10930	03505	81360		026	00101	056	+	+			
Benbecula	022	11514	83020	10910	00901	07811	81075				022	11413	82020	07607	00902	04804	81072		022	00101	053	+	+			
Tiree	100	21221	70030	10708	25400	05810	82618				100	21029	66030	07306	00905	02810	82272		100	00081	041	+	+			
Aldergrove	917	20914	58040	09306	26400	02719	82710				917	61116	50041	05606	16431	02717	81710	84360	917	97061	018	+	d _o			
Malin	980	11218	59100	07807	11402	03824	81817				980	61128	58101	04307	20932	02813	82360	84075	980	0007	038					
Belmullet	976	71021	50101	00907	35432	04829	81717	84359			976	81218	50616	98508	6642//	06710	85715	88458	976	0208	007					
Birr	965	71223	58102	02708	45602	05722	84635	86070			965	81221	58606	00208	7642//	07711	87711	88458	965	9209	002					
Dublin	969	61016	64011	06709	10932	05825	81362	85070			969	81315	40616	04008	864//	06713	82710	85713	969	0109	017					
Shannon	962	81320	50102	01009	5647//	07817	83717	85620	87459		962	81306	50616	98709	4632//	08508	82706	84710	962	0210	000					
Roches Point	952	81023	20606	00410	873//	09720	88706				952	81912	50206	00710	5627//	10224	85704	85275	952	0310	000					
Valentia	953	81020	62636	97211	5642//	09813	85718	88550			953	82213	60616	99011	864//	10222	88715		953	1411	000					

OCEAN WEATHER STATION REPORTS at 12h.											OCEAN WEATHER STATION REPORTS at 18h.										
Code FM 21.V											Code FM 21.V										
O.W.S.											O.W.S.										
99 L _a L _a L _a											99 L _a L _a L _a										
Q _c L _o L _o L _o L _o											Q _c L _o L _o L _o L _o										
YYGGIw											YYGGIw										
Nddff											Nddff										
VVwwwW											VVwwwW										
PPPTT											PPPTT										
N _h Ch _h C _h C _h											N _h Ch _h C _h C _h										
D _s app											D _s app										

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

During the past 24 hours pressure remained low to the west and high to the east of the British Isles, producing a southerly airstream over all districts. A frontal trough moved steadily north and lay from northeast England to southwest Scotland by the end of

the period. During the next 24 hours little change in pressure distribution is expected, whilst further troughs are expected to move north across the British Isles.

Issued at midday THURSDAY 22 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h. 22 December 1977										OBSERVATIONS at 06h. 22 December 1977										OBSERVATIONS during NIGHT				
Station	iii	Nddff	VVwwW	PPPTT	N _h C _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	iii	Nddff	VVwwW	PPPTT	N _h C _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	iii	RRT _n T _n E	T _g T _g	WEATHER				
																						21h.—03h.	03h.—09h.			
Boscombe Down	746	82011	48586	10110	871//	09220	84702	88705		746	52011	62026	15308	35601	08123	83633	83075		746	01071	06	d _o r _o f _d d _o r	pr _o			
Hurn	862	82111	70036	11111	854//	11225	86710	88615		862	32108	60011	15711	35400	10220	83614		862	01101	09	r _o r _o d _o r _o	r _o pr _o d _o				
Manston	797	81614	35215	13208	872//	08107	84703	88705		797	62110	62206	17010	653//	09224	82708	85614		797	96061	04	r _o r _o d _o r _o d _o	d _o			
Gatwick	776	82010	45506	11410	872//	10314	88704			776	72110	56216	16110	753//	09126	81708	87634		776	02051	05	r _o rRdrd	r _o d _o r _o			
Kew										775	72209	65022	15311	756//	09225	87635		775	97071	02	ir _o	+				
Heathrow	772	71807	57206	10909	763//	09209	85709	87630		772	62009	68012	15711	65600	09227	86636		772	91061	05	d _o	+				
Honington	586	81513	50216	11707	872//	07704	88704			586	82009	59035	14610	853//	09220	84707	88615		586	01061	05	r _o rr _o r _o	d _o			
Wattisham	590	81514	25216	11907	870//	07702	85701	88702		590	81810	40105	15109	853//	09221	86708	88618		590	02061	03	r _o r _o r	d _o -r _o			
Gorleston	497	81622	48216	13307	874//	06604	88710			497	81814	48056	15009	863//	08215	88706		497								
Aberporth	502	72012	50106	07008	751//	08319	82702	85706	87618	502	61909	60055	11609	674//	08116	86711		502	03061	04	r _o r _o rrid _o	+				
Filton	628	82207	40216	09209	854//	08217	85710	88623		628	62108	60015	14309	654//	07119	81710	85628		628	95061	04	d _o r _o d _o	+			
Rhoose	715	81807	56216	08908	853//	08217	82708	88610		715	12107	80016	13507	15501	07116	81620		715	01051	04	id _o d _o r _o ir _o	+				
Hartland Point	703	72723	50216	08210	773//	10123	87707			703	72416	64216	12111	753//	09115	83706	87616		703	91101	08					
Mount Batten	827	72514	58058	11011	753//	10130	84707	87614		827	72018	50108	14211	753//	11208	82706	85712	87632		827	94111	09	pr _o	+		
St.Mawgan	817	62410	60016	10311	653//	10228	83706	86615		817	82011	60022	13011	852//	10105	82705	85708	88614		817	01101	07	r _o	pr _o		
Scilly	804	02214	62011	10511	00900	10222				804	21914	60258	11911	26300	11002	82706		804	92111	09	+	pr _o				
Culdrose	809	82412	56106	10711	852//	10127	82703	84705	88616	809	82213	30102	13311	870//	11106	83700	88701		809	95102	09	+	id _o			
Guernsey	894	72316	58216	13811	772//	11227	85703	87705		894	51915	56026	17410	562//	10212	83705	84712		894	01101	08	rrir	id _o			
Elmdon	534	81504	13586	08605	871//	04605	85702	88703		534	52112	56046	12608	25601	07124	82635	85075		534	02041	03	rr _o r _o d _o r _o d _o	+			
Cardington	559	81810	35616	09908	862//	08503	86704	88706		559	82314	67026	14411	855//	09227	84623	88638		559	01051	04	rr _o r _o	+			
Wittering	462	81711	16636	09806	860//	05609	88701			462	62213	65016	13209	656//	09225	86630		462	03041	03	rrff	+				
Watnall	354	80803	08616	09404	870//	04610	88700			354	62010	40206	12408	655//	07225	86628		354	05021	02	r _o rff _o	fid _o				
Shawbury	414	81203	09616	08104	870//	04709	88701			414	22206	60026	11306	25600	05118	82640		414	02031	01	r _o r _o rf	+				
Finningley	360	81303	04586	09204	870//	04717	88700			360	41222	56016	10607	45400	06218	82710	83640		360	03011	52	rrd _o r _o d _o r _o ff	fd _o r _o			
Spurn Point	396	81319	40616	10506	854//	05713	86712	88620		396	72112	60016	11508	774//	08217	87714		396			id _o ir _o r _o r _o	r _o r _o				
Leeming	257	83302	20601	10401	873//	01719	84707	88708		257	81512	12106	09404	871//	04308	86702	88710		257	01001	54	r _o r _o -r	r _o r _o			
Tynemouth	262	81518	56022	10807	855//	05718	88620			262	81917	35606	08105	8052//	04605	88520		262	93041	03	r _o r _o	ir _o				
Carlisle	222	70909	56041	08703	157//	01722	81650	84360	86464	222	81804	40616	08004	854//	04304	82713	88620		222	02011	54	r _o r	r _o r _o rr _o r _o			
Valley	302	81513	57612	05408	873//	07702	86709	88712		302	22118	60016	09409	26300	09126	82708		302	03061	05	r _o r _o rrir _o	+				
Ringway	334	80802	40636	08604	854//	03803	82710	88614		334	52014	57016	10807	55600	06221	85640		334	03041	03	r _o r _o rr	r _o d _o r _o				
Squires Gate	318	81010	22636	07804	855//	04708	85624	88646		318	81913	22216	09508	872//	08319	84703	84705	88709		318	04031	01	r _o r	r _o r _o		
Ronaldsway	204	81219	56632	06206	872//	05803	83705	88707		204	80000	40216	08305	853//	04217	81706	85714	88626		204	03051	01	r _o r _o -r	ir _o -r		
Mull of Galloway	131	81523	58602	05805	2642//	03705	82710	88520		131	82015	58206	07107	863//	07211	88708		131	02041							
Eskdalemuir	162	50207	56051	09901	25601	51819	82645	84075		162	80000	40697	08402	872//	01301	88704		162	04001	53	r _o s _o rs	r _o s _o rsr _o d _o r _o f				
Prestwick	135	81506	60041	06904	8097//	51710	83360	88362		135	80000	50616	06704	854//	03001	83612	88615		135	96031	52	+	r _o d _o r _o			
Abbotsinch	140	60815	56041	08104	50952	01811	85362			140	81502	40616	07204	854//	03502	82712	88625		140	01031	02	ir _o	r _o r _o d _o d _o if			
Leuchars	171	81112	58052	11206	854//	02712	83710	86616	88620	171	81007	27616	07206	852//	05720	82705	86712	88622		171	02051	04	+	rr _o r _o		
Dyce	091	81509	59052	12406	854//	03717	82713	88615		091	81206	30586	07906	873//	05723	82706	87707		091	95051	05	+	d _o r _o r _o r _o			
Lerwick	005	81623	60022	14906	854//	05712	83710	88620		005	81521	60022	10607	854//	05720	81710	88616		005	00061	05	+	+			
Wick	075	71618	65052	11907	754//	03519	87618			075	71517															

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

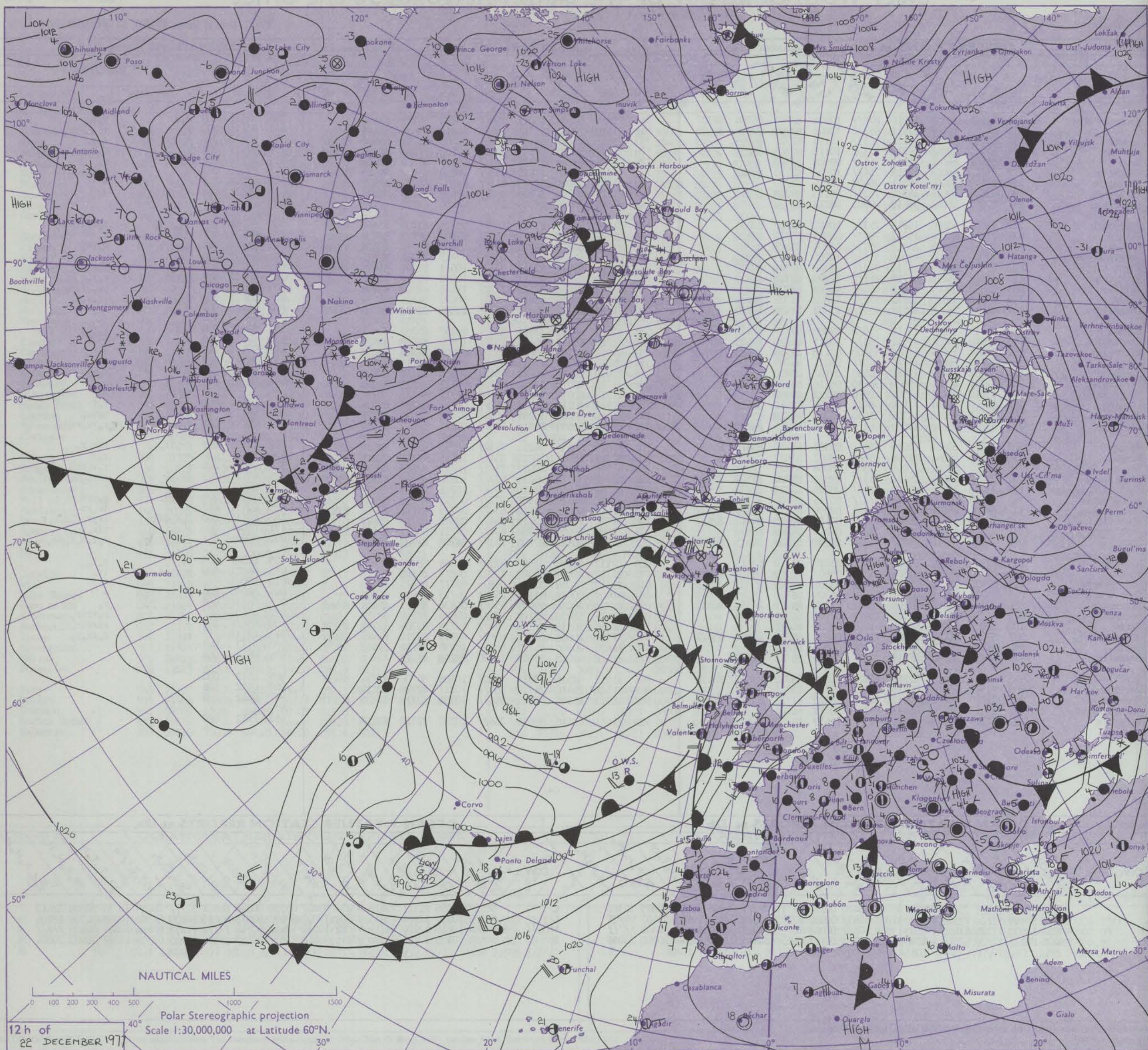
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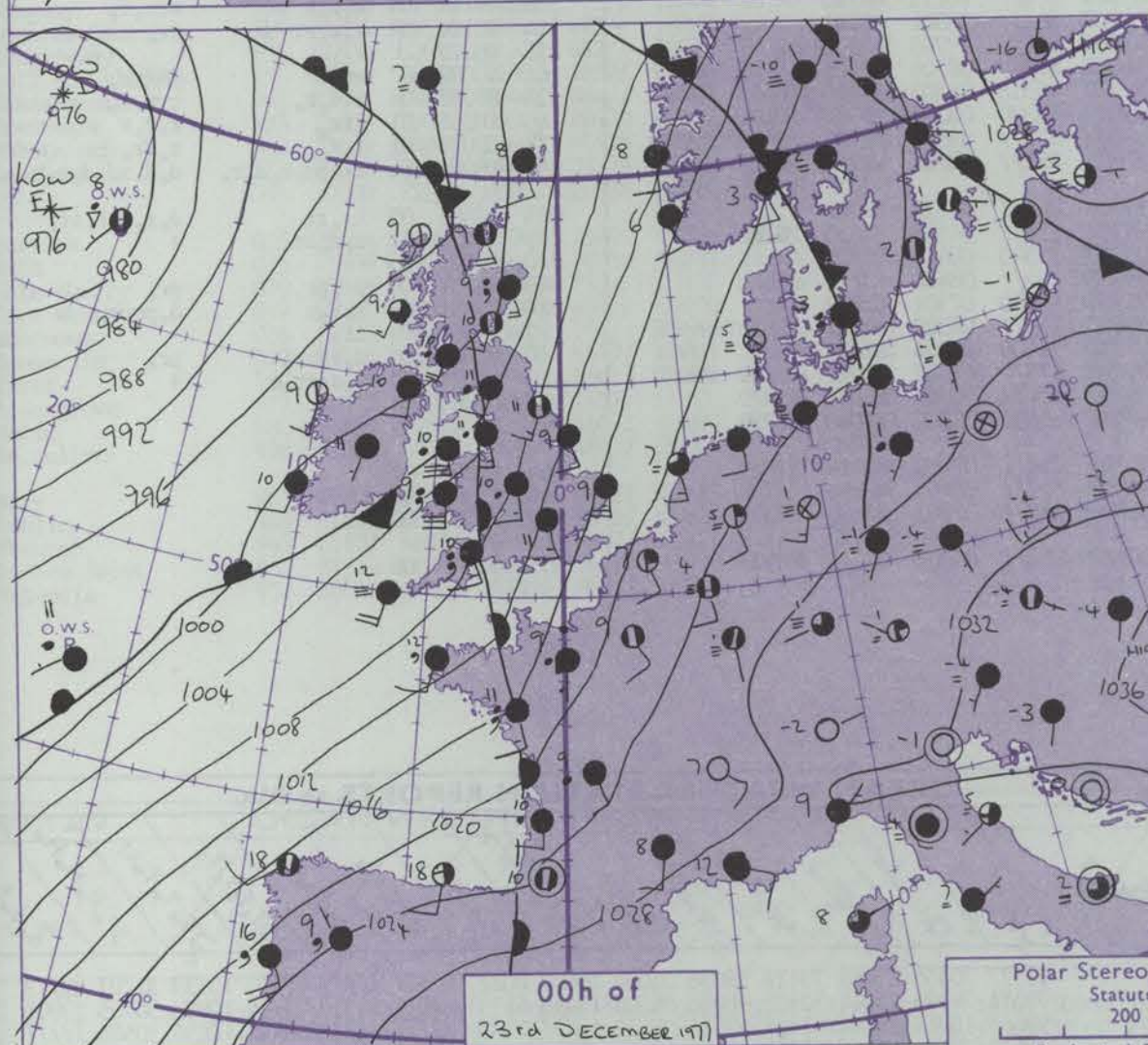
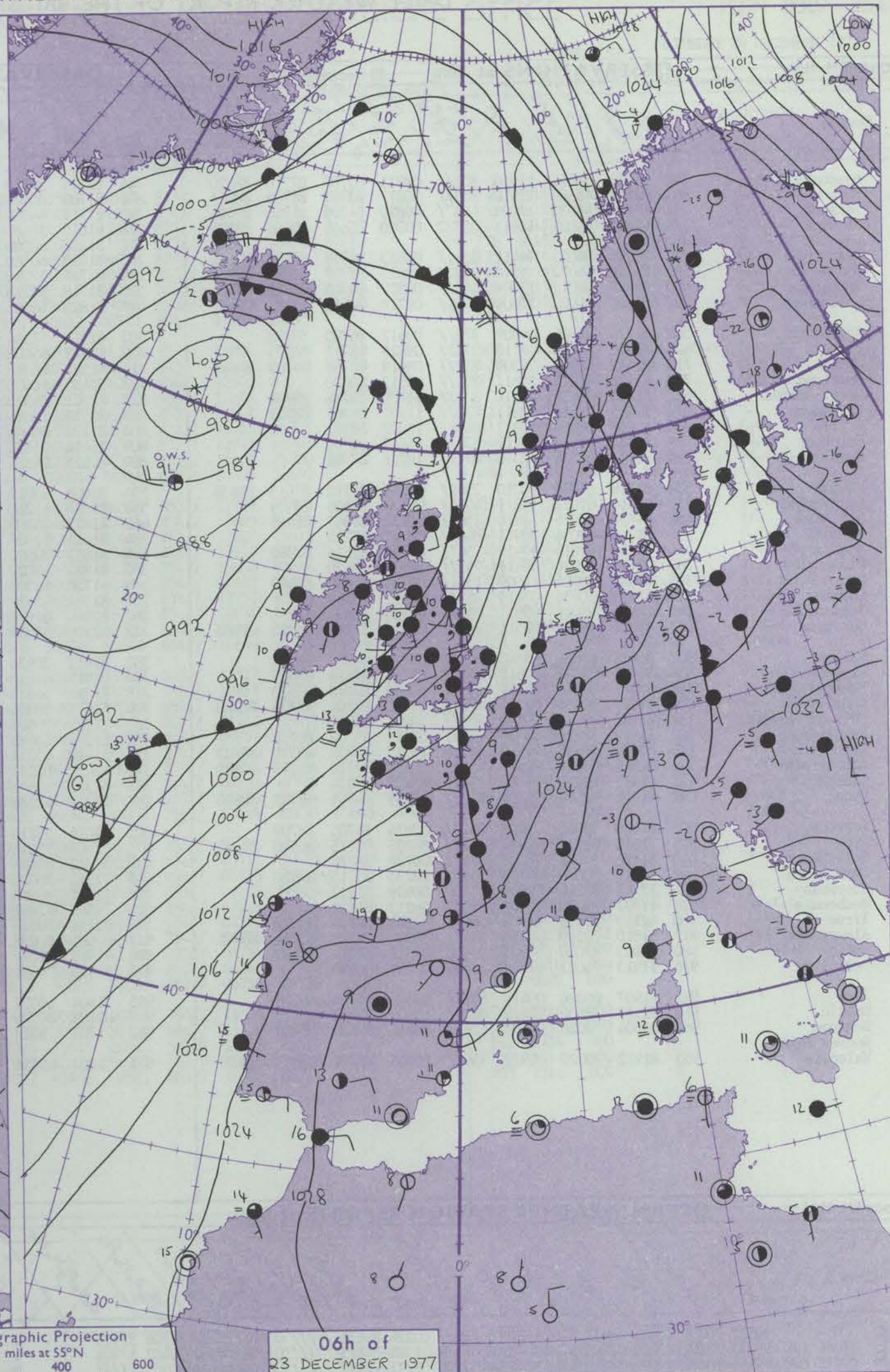
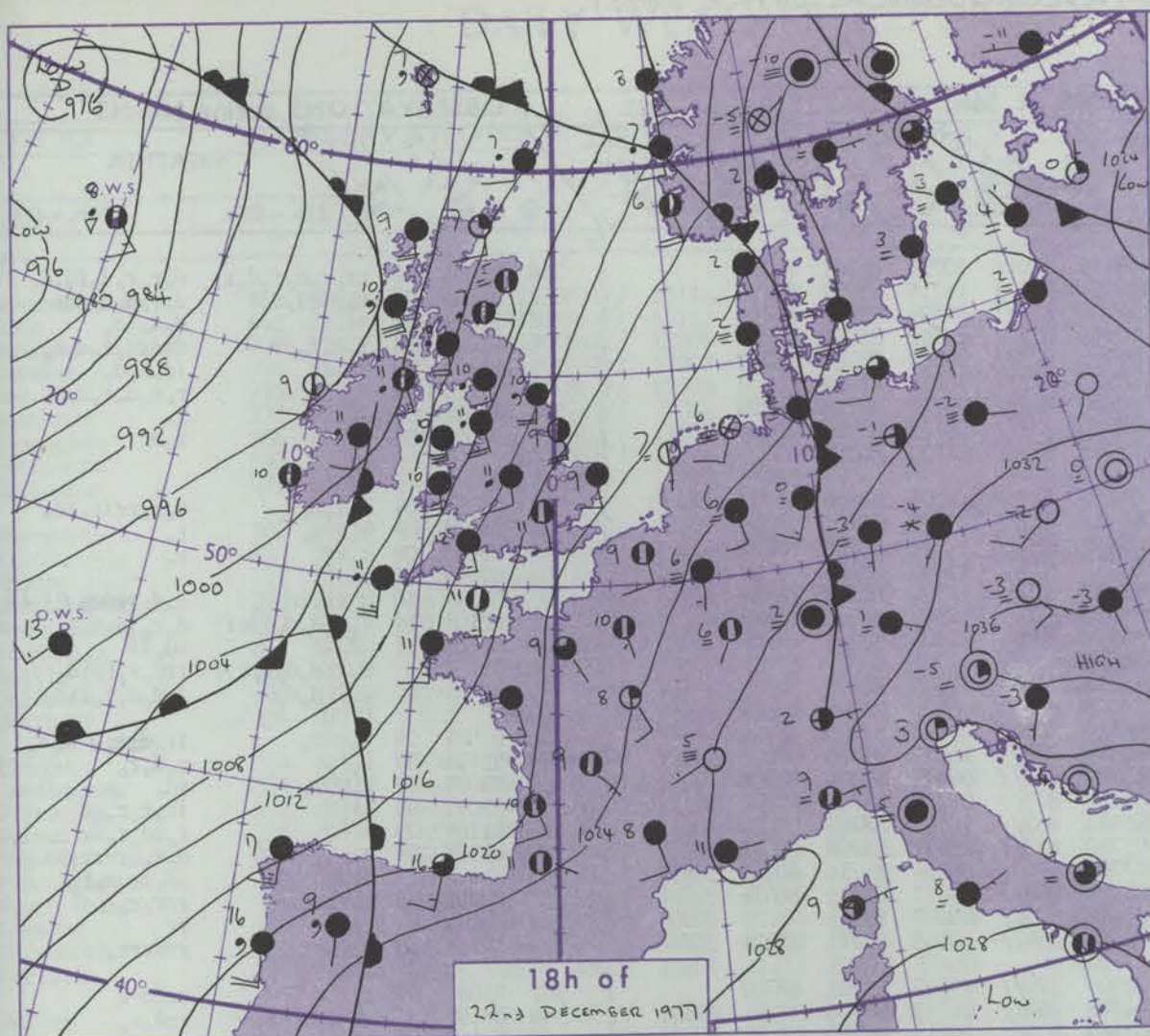
No. 42400

Date of Issue FRIDAY 23 DECEMBER 1977

OBSERVATIONS at 12h. 22 December 1977											OBSERVATIONS at 18h. 22 December 1977											OBSERVATIONS during DAY				
Station	iii	Nddff	VVwww	PPPTT	N _h Ch _h CH	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwww	PPPTT	N _h Ch _h CH	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RRT	T _E	SSS	WEATHER			
																							09h.—15h.	15h.—21h.		
Boscombe Down	746	81814	25528	16810	872//	10204	82703	86704	88707	746	71814	64206	15011	754//	09810	84712	87640			746	92111	000	d _c d		r _c d _c	
Hurn	862	71713	56108	17511	653/2	10003	82708	83612	86630	862	81410	59032	15511	5542/	10814	85616	88460			862	97111	000	r _c		+	
Manston	797	62014	58031	20111	5633/	10114	82707	84709		797	71613	57106	19609	45331	08705	81708	83614	85360		797	97111	010	+		d _c r _c	
Gatwick	776	82010	58046	18811	853//	10110	87707	88630		776	71711	58215	17611	5533/	09708	82708	84640	87360		776	92111	000	r _c d _c r _c		d _c r _c -r _c	
Kew	775	71908	56051	18111	764//	09108	87710			775	71809	58216	17111	753//	09707	81708	87650		775	91121	009	r _c		r _c		
Heathrow	772	71710	59021	18312	754//	10008	85710	84628		772	71610	58216	17211	6537/	10708	82708	86648	87360		772	93121	003	r _c		r _c d _c r _c r	
Honington	586	21911	56051	18311	26400	09114	82710			586	81711	45041	17910	862//	09502	85705	88709		586	00121	041	+		+		
Wattisham	590	72013	59011	18710	763//	09115	83708	86711		590	81714	40105	17909	862//	09605	83703	88706		590	91121	014	+		d _c		
Corlestone	497	02015	60021	18610	00900	08218				497	81816	60031	18909	855//	08400	88625			497		031					
Aberporth	502	71822	62605	10910	753//	10807	86707	87635		502	81726	60216	07310	6527/	09715	83705	83615	88460		502	04111	000	id _c r _c r _c		r _c r _c rrRRdr	
Filton	628	71810	65031	15312	784//	09002	85712	87620		628	81912	61026	13512	6547/	09807	82712	86620	88360		628	97121	002	d _c r _c		r _c	
Rhoose	715	71513	60501	14311	5543/	10000	85615	86362		715	81513	64016	12211	6547/	09809	81710	83620	86645		715	01111	004	d _c		r _c rr _c	
Hartland Point	703	72020	64012	12512	5143/	10000	85815	86360		703	82025	64606	09012	6522/	09717	84704	86625	88460		703	94131	000				
Mount Batten	827	81920	38602	15312	872//	11306	83704	88708		827	81514	60606	12312	5537/	10511	81708	85640	88460		827	03131	000	r _c		r _c r	
St. Mawgan	817	81919	56218	12712	861//	11000	82702	88703		817	81820	60616	09911	2562/	10510	82640	88460		817	03121	000	d _c r _c r _c		r _c r _c r		
Scilly	804	81823	50021	11112	863//	11803	88709			804	81827	56606	07511	2732/	11611	82708	88458		804	01122	000	+		ir _c irid _c		
Culdrose	809	82018	35105	12612	852//	11802	85703	88610		809	81916	56616	10011	4552/	10610	84625	88559		809	03122	000	id _c		ir _c r _c r _c		
Guernsey	894	81814	56102	18511	861//	11002	85702	87709		894	71617	66022	14711	35738	09824	83650	85360	87275		894	94111	003	+		ir _c	
Elmdon	534	71711	57211	15110	753//	09006	83706	87614		534	81712	61612	13311	853//	09707	85707	88614		534	92111	016	ir _c		r _c r _c r		
Cardington	559	71910	64031	17512	785//	10111	82820	87635		559	81712	58056	16411	853//	10606	83709	84615	88620		559	97131	022	r _c		+	
Wittering	462	52011	59051	16810	55400	09113	82710	85625		462	81914	57102	15610	5532/	09806	81709	85650	88465		462	97111	015	+		r _c	
Watnall	354	61707	50051	15410	663//	08211	86709			354	81613	58046	13811	864//	09710	88710			354	91111	012	ir _c		r _c		
Shawbury	414	21606	65011	13910	28530	09107	82820			414	81610	62046	10811	4642/	09814	84711	88459		414	97121	015	r _c		r _c r _c		
Finningley	360	41707	40041	14509	36430	08116	83710			360	71712	60011	12510	45508	09715	82625	83657	87270		360	97111	017	+		r _c	
Spurn Point	396	11912	62021	15509	10970	08222	81360			396	41620	60011	14209	45600	08712	84630			396			+		ir _c		
Leeming	257	61610	50041	12809	684//	07220	82812	86636		257	81511	50212	10509	862//	08818	82705	88706		257	01091	009	+		r _c r		
Tynemouth	262	22015	56056	11709	25500	07218	82620			262	71918	56058	10209	30946	07818	83358	87275		262	91111	034	+		prir _c		
Carlisle	222	61802	58046	10609	684//	07108	82715	86630		222	81713	58606	06910	855//	09727	83622	88634		222	02111	006	+		r _c r _c rr _c rr		
Valley	302	71622	60038	10010	784//	09802	81710	83816	85630	302	81629	40636	06210	7532/	10715	82708	87616	88535		302	12112	002	pr _c ir _c		rrr _c r _c	
Ringway	334	11812	56041	13510	15580	08007	81622			334	81717	58606	10712	3542/	10815	81711	83615	88556		334	95121	030	+		r _c r	
Squires Gate	318	31512	58041	12009	35500	08008	83625			318	81518	45601	09011	7542/	10717	82618	83630	85650		318	04111	020	+		r _c r _c rrR	
Ronaldsway	204	71917	60021	09410	753//	09004	81706	85708	85618	204	81721	50612	05211	852//	10620	83704	87707	88640		204	07111	003	ir _c		rrr _c	
Mull of Galloway	131	72028	70031	08009	785//	08001	83820	87630		131	82040	60616	01410	874//	10741	88712			131	03101						
Eskdalemuir	162	91405	01437	10705	91//	05115	89/00			162	81412	30636	06903	872//	07722	85705	88708		162	15092	000	ffffdr		r _c rrR		
Prestwick	135	61205	65036	07908	684/1	07006	81812	84815		135	81619	65606	02710	6547/	08733	81712	83620	85630		135	02111	017	+		ir _c rr	
Abbotsinch	140	70804	15106	08605	753//	04107	82708	84712	87620	140	81312	57616	03610	854//	08832	82716	88643		140	05112	000	d _c d _c iff		ir _c r _c r _c d _c r _c r		
Leuchars	171	72508	27056	09105	753//	04219	84709	86628		171	71109	59604	06707	6547/	07721	83617	85630	87360		171	01091	008	r _c r _c		ifr _c r _c	
Dyce	091	71905	45216	06807	55332	05306	81706	84645	86070	091	71602	40101	07105	762//	04707	81703	87705		091	01081	021	id _c r _c r _c rr _c		r _c r _c d<		

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.

During the past 24 hours pressure remained high over eastern Europe whilst a complex depression moved slowly northeastwards to the south of Iceland. A frontal trough moved across all but eastern parts of England overnight. During the next 24 hours a

deepening depression to the southwest of Britain will move quickly across western Ireland and Scotland, maintaining a strong southerly airstream over all districts. The associated cold front will clear most parts of the British Isles by tomorrow morning.

Issued at midday FRIDAY 23 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h.										OBSERVATIONS at 06h.										OBSERVATIONS during NIGHT									
		23 December 1977										23 December 1977																			
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h C _h H	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwwW	PPPTT	N _h Ch _h C _h H	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RRnTnE	TgTg	WEATHER									
																						21h.—03h.	03h.—09h.								
Boscombe Down	746	81614	58612	11910	853//	09821	85707	87710	88620	746	81715	30616	08210	870//	10718	85701	88702		746	02091	09	rr _c r _c d _c r _c d _c r _c	d _c r _c r _c d _c fd _c d _c								
Hurn	862	81511	45586	12910	853//	10817	83707	86709	88611	862	81708	30586	08911	871//	11719	85702	88703		862	05101	08	r _c rdrd _c r _c	d _c r _c d _c d _c ddr								
Manston	797	81617	58032	17209	4637//	09820	84708	86360	88464	797	81719	44512	12509	872//	09721	85703	88705		797	91091	09	+	d _c d _c id _c								
Gatwick	776	81818	64022	14911	35777	08720	83656	85465	88270	776	81815	20586	10610	872//	10618	88703		776	02091	08	r _c d _c r _c dr	drdrd _c r _c d _c r _c									
Kew	772	81716	80032	14411	5541//	08623	81618	85625	88465	772	81810	70506	09911	873//	09719	85706	88707		772	97101	09	r _c id _c	id _c d _c d _c								
Heathrow	586	81616	56022	15210	3632//	08823	83707	88462		586	81712	60506	10210	872//	10618	88705		586	92091	08	r _c	r _c r _c d _c r _c d _c d _c									
Honington	590	81617	60012	15609	4622//	08822	84705	88462		590	81718	58216	10809	871//	08723	88702		590	97091	08	r _c	r _c d _c									
Wattisham	497	81825	64022	17009	8091//	08714	88458			497	81825	64606	11909	863//	07723	88708															
Gorleston																															
Aberporth	502	81728	56586	04809	872//	09612	86705	88708		502	81911	57586	04210	853//	10604	83708	86712	88638	502	05091	04	d _c r _c d _c d _c	d _c r _c rrir _c id _c								
Filton	628	81710	62616	09710	3742//	09829	83712	88525		628	81812	65606	06111	872//	10717	88705		628	04101	09	r _c rrr _c	r _c									
Rhoose	715	81412	58216	09309	852//	08619	81703	84709	88611	715	81512	66026	05610	852//	10718	85705	88612		715	03091	09	r _c rr _c	r _c								
Hartland Point	703	82128	82026	06811	855//	10512	88620			703	82430	66606	04212	873//	11716	88708		703	02092	09											
Mount Batten	827	81816	30636	09111	872//	11720	84704	88709		827	82321	06516	07112	870//	12504	86700	88702		827	07111	10	d _c r _c rrd _c d _c f	d _c d _c rrr _c rd _c ddF								
St. Mawgan	817	81915	18516	07611	870//	11507	86701	88702		817	82218	15516	05813	870//	12603	84700	88701		817	02101	10	r _c r _c d _c d _c ffrff	d _c r _c fd _c d _c								
Scilly	804	81918	04466	05812	860//	12707	88701			804	82122	08445	05213	870//	12703	88701		804	01101	11	id _c ff	id _c ff									
Culdrose	809	82116	10516	07411	870//	11613	88700			809	92416	01476	06312	9//	12702	89//		809	01101		rrd _c r _c FFid _c										
Guernsey	894	81717	56516	12310	871//	10721	87702			894	82115	04526	11612	870//	12306	88700		894		09	r _c r _c d _c d _c	d _c d _c d _c r _c fid _c									
Elmdon	534	81716	65606	10010	7542//	08724	82712	87615	88458	534	81608	65026	06510	862//	09717	81705	88706		534	01091	09	r _c rir _c	ir _c rrr _c rd _c								
Cardington	559	81714	61022	13311	4552//	09724	84626	88459		559	81814	61216	08911	873//	10723	88709		559	92101	09	r _c	r _c d _c r _c									
Wittering	462	81720	68026	12410	1561//	09724	81647	88465		462	81817	70206	08109	862//	09722	86704	88706		462	93091	08	r _c d _c r _c	id _c								
Watnall	354	81714	60056	10911	864//	08719	88712			354	81811	62606	06710	873//	09720	88706		354	03091	08	ir _c r	ir _c r _c rd									
Shawbury	414	71818	81016	07411	5547//	08826	85616	87360		414	81811	70602	05111	862//	10712	88705		414	01101	09	+	r _c rd _c r _c dr									
Finningley	360	71715	70036	09411	755//	08624	87620			360	81813	62022	05710	853//	08621	85708	88612		360	01101	09	+	d _c r _c dr-rr _c R								
Spurn Point	396	81621	66026	11509	1561//	08723	81630	88460		396	81720	62505	07209	5747//	08724	85716	88360		396				id _c ir _c r _c r _c								
Leeming	257	81512	40636	07410	855//	09822	88620			257	81514	40636	04109	854//	09617	84711	88616		257	09092	08	rrr _c r _c	rrr _c r _c								
Tynemouth	262	81826	61026	05911	856//	09724	88630			262	82014	61636	03410	8052//	09607	88525		262	05102	09	rr	rr									
Carlisle	222	81911	58636	03511	854//	09822	81715	85625	88645	222	82209	58636	01710	854//	10605	82711	85619	88645	222	12101	08	rrr _c rr	rrr _c rrr _c								
Valley	302	81629	48636	03810	853//	09711	84709	88612		302	81812	32636	02909	870//	09505	83701	88702		302	21091	09	rr	rrdd-r								
Ringway	334	81722	75026	07611	854//	08721	82618	88645		334	81915	67616	04910	863//	09713	88706		334	03101	07	r _c	rrd _c r _c									
Squires Gate	318	81717	60616	05711	2542//	10620	82618	88530		318	81713	56616	03510	874//	10711	88710		318	09101	09	r _c r _c r	rrr _c r _c									
Ronaldsway	204	81927	30636	02310	872//	09711	82704	85706	88708	204	82014	58036	01910	861//	10501	88701		204	08101	09	r _c r _c rr	rr _c									
Mull of Galloway	131	82140	60616	99610	874//	10001	88710			131	82520	70606	01209	855//	09208	88625		131	06071												
Eskdalemuir	162	81619	58636	03009	873//	08819	85708	88715		162	81815	05466	01008	870//	08706	88701		162	40082	07	rrrr	RRrrr _c									
Prestwick	135	82019	56636	99510	853//	10712	82709	85715	88620	135	72410	65216	99909	45518	08303	81625	84645	86460	135	07082	06	rrd _c r _c	rrr _c r _c								
Abbotsinch	140	82018	50616	99511	854//	10610	82710	83715	86620	140	42412	60216	99609	48300	08301	81708	83620		140	10061	01	rrr _c	r _c r _c r								
Leuchars	171	71917	62216	01010	755//	08625	87624			171	82312	62606	98809	853//	08507	82708	83628	88640	171	02071	01	r _c r _c	r _c rr _c								
Dyce	091	81622	32586	00309	852//	08739	84705	86707	88630	091	81711	40586	97809	852//	08717	82705	86707	88645	091	03071	04	drdrd _c r _c d _c r _c r									

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

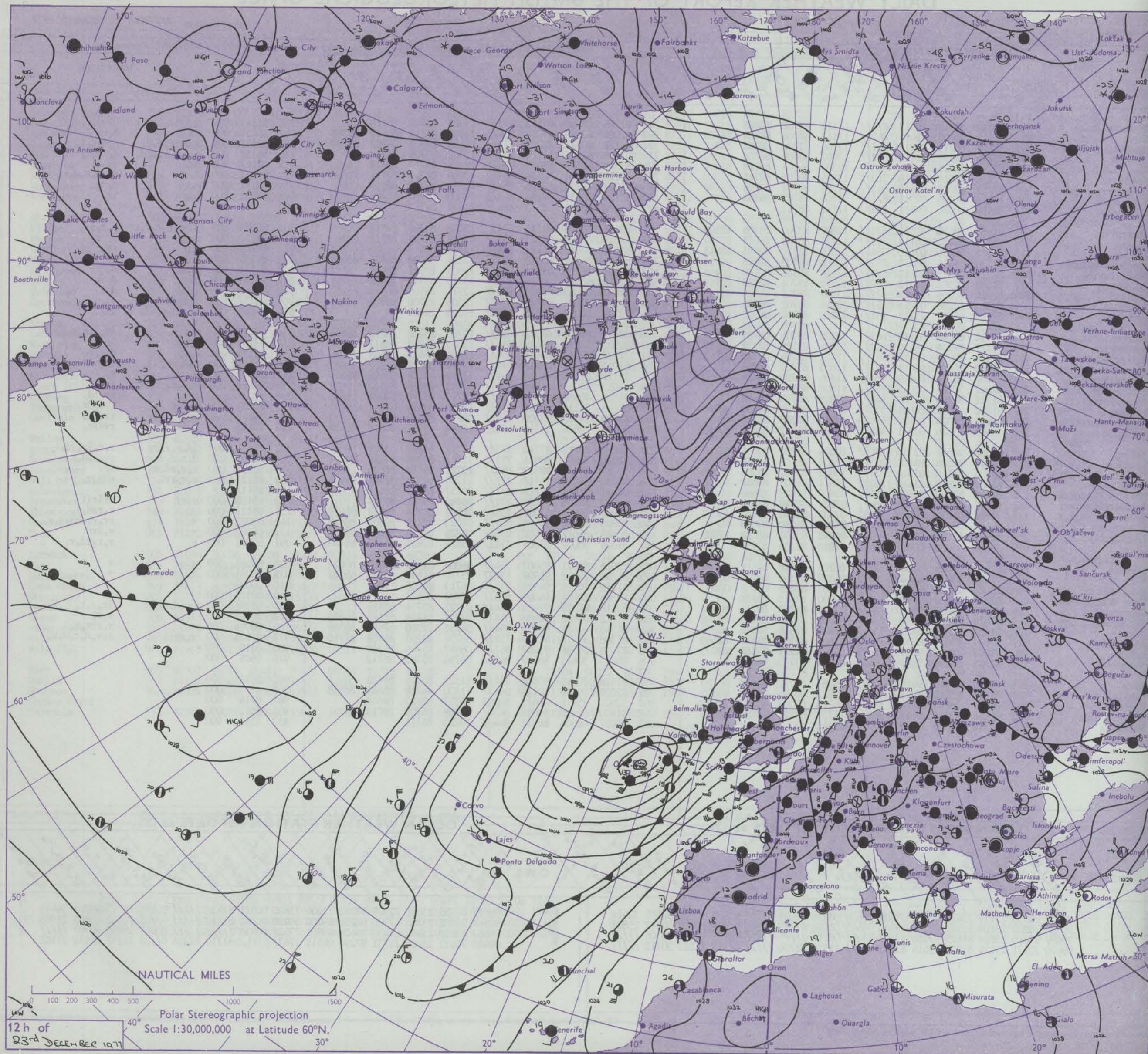
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No. 42401

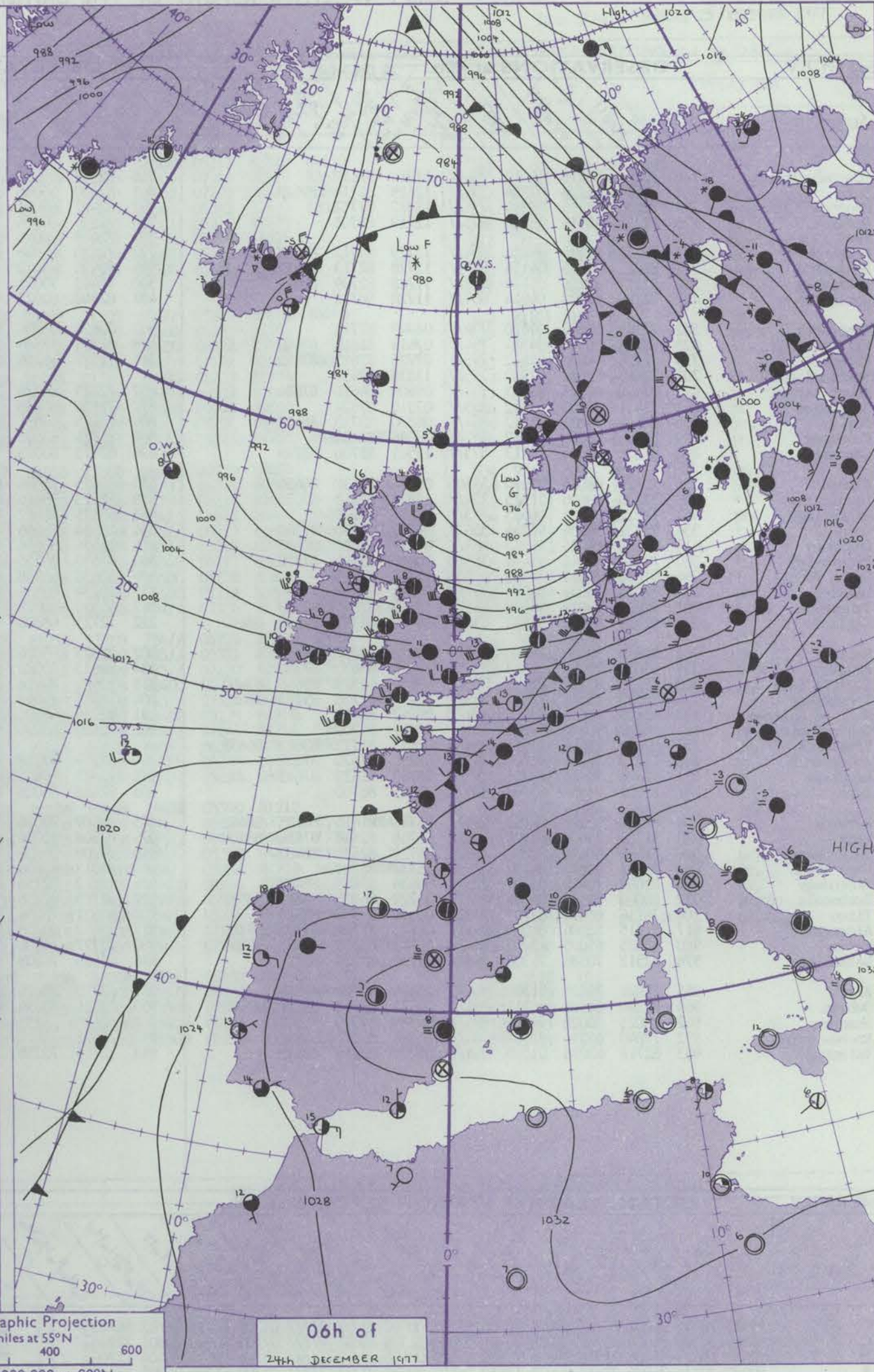
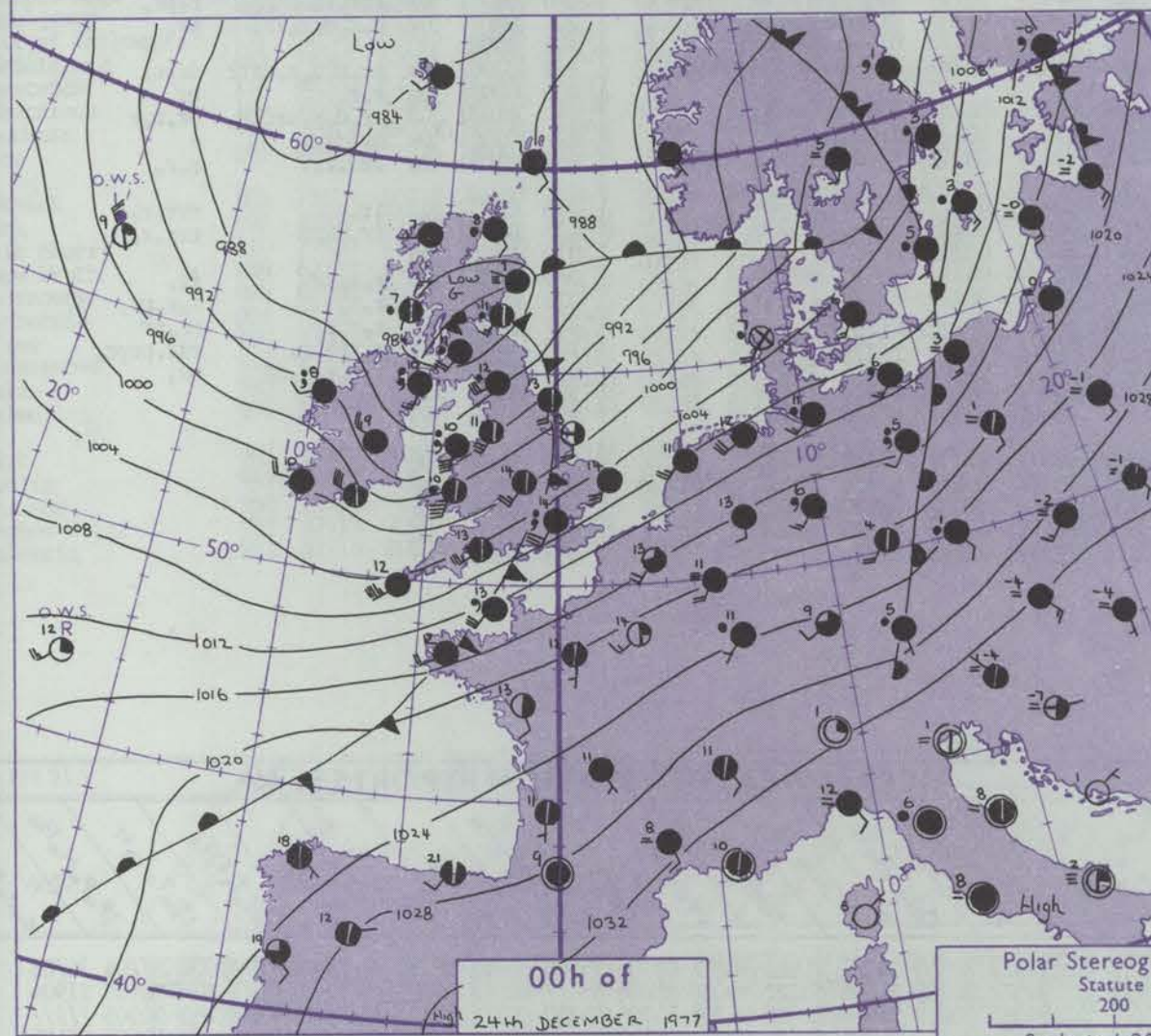
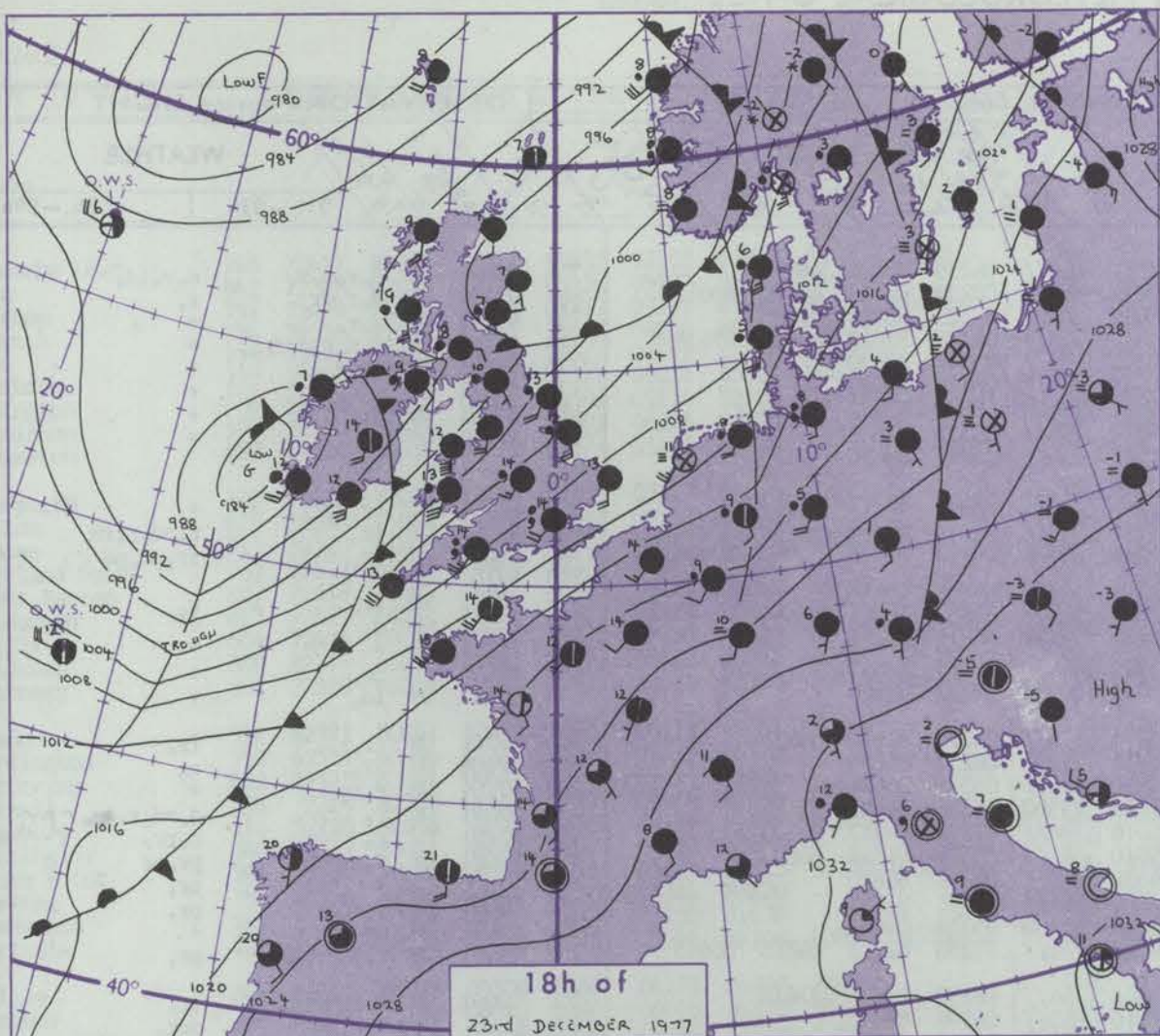
Date of Issue SATURDAY 24 DECEMBER 1977

OBSERVATIONS at 12h. 23 December 1977											OBSERVATIONS at 18h. 23 December 1977											OBSERVATIONS during DAY				
Station	iii	Nddff	VVwwwW	PPPTT	N _h Ch _M CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwwW	PPPTT	N _h Ch _M CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT T x F	SSS	WEATHER				
																						09h.—15h.	15h.—21h.			
Boscombe Down	746	82220	50516	10313	871//	13116	87702	88703		746	82225	62506	09113	873//	13000	85707	88710		746	91141	000	d _c d _c id _c	d _c -d _c r _c d _c r _c			
Hurn	862	82119	56206	11413	862//	13113	82703	87704	88706	862	82026	62015	11014	854//	12501	83711	86615	88618	862	96151	000	dd _c	d _c r _c			
Manston	797	82121	60215	11213	861//	12706	83702	88704		797	82121	60515	12313	872//	13104	81705	84707	88709	797	92151	000	d _c d _c -r _c d _c d _c	d _c d _c d _c r _c			
Gatwick	776	82219	35586	11113	872//	13007	85704	88706		776	82326	62206	11114	873//	13502	83708	88710		776	96151	000	d _c r _c d _c r _c d _c d _c	d _c -d _c r _c -r _c			
Kew	775	82213	72025	10014	863//	12305	86708	88710		775	82319	68505	09815	874//	12801	85711	88712		775	91161	000	id _c	id _c r _c			
Heathrow	772	72114	75016	10114	763//	13004	82709	87711		772	82218	60586	10114	863//	13000	82709	88711		772	91151	000	d _c	d _c -d _c r _c d _c r _c			
Honington	586	82013	62016	08813	863//	11705	84707	88708		586	82017	70215	08215	854//	12802	86710	88613		586	97151	000	r _c r _c	d _c -r _c			
Wattisham	590	82014	56205	09511	871//	11703	82702	88704		590	82121	72022	09014	863//	12000	82708	88710		590	97151	000	id _c	ir _c			
Gorleston	497	81818	58026	09011	864//	11712	88712			497	81920	60022	08513	864//	11704	88712			497		000					
Aberporth	502	81920	57616	03512	6712/	12809	83702	86705	88509	502	82031	62606	01513	873//	12806	85706	88712		502	03031	000	d _c -d _c r _c r _c r _c rr	d _c r _c ir _c			
Filton	628	72215	75026	08114	753//	12210	84708	87615		628	82319	80206	06615	863//	12807	82708	88713		628	97151	000	d _c -r _c	d _c -r _c			
Rhoose	715	82011	65606	07613	7547/	12010	82710	87614	88465	715	82215	66016	06713	854//	12503	88614			715	97141	000	ir _c	ir _c			
Hartland Point	703	82230	56616	05313	852//	13108	86703	88618		703	82230	56202	03213	4537/	12814	84709	86627	88460	703	01131	000					
Mount Batten	827	82222	40515	10013	872//	12114	88703			827	82127	56205	09313	853//	12501	83707	88611		827	91131	000	d _c d _c	d _c			
St. Mawgan	817	82020	50505	08313	870//	13112	85701	88702		817	82124	45505	06313	872//	13713	85703	88705		817	93141	000	d _c	d _c d _c			
Scilly	804	82026	50505	07013	872//	13209	88705			804	82030	40025	04313	872//	12711	88705			804	93141	000	ffid _c	id _c			
Culdrose	809	82324	30286	09013	861//	13114	85702	88704		809	82223	22506	07312	870//	12605	85700	88702		809	01132	000	fir _c ffd _c r _c ir _c	id _c d _c d _c id _c			
Guernsey	894	82121	63285	15113	851//	13219	82702	86705	87618	894	72124	80026	14514	6563/	11605	86630			894	94141	000	id _c fd _c r _c id _c	id _c			
Elmdon	534	82114	59046	06413	862//	12202	83705	88707		534	82117	65506	04514	853//	12708	83708	86710	88615	534	97151	000	d _c r _c d _c	id _c d _c r _c r _c d _c d _c			
Cardington	559	82217	64206	08414	852//	13304	83704	87707	88615	559	82222	66026	07415	854//	13605	84712	88617		559	97151	000	dd _c r _c	ir _c			
Wittering	462	82116	70015	07412	862//	12102	83704	88705		462	72222	80016	05614	754//	12605	85612	87624		462	91151	000	d _c r _c	d _c r _c r _c			
Watnall	354	81910	25206	06011	871//	11803	83702	88703		354	81914	60606	03213	874//	12610	88711			354	01141	000	did _c ir _c	ir _c rd _c r _c			
Shawbury	414	81608	58216	04812	7542/	11806	83710	87616	88460	414	72122	81026	01715	7547/	12608	82616	85618	86628	414	02151	000	r _c r _c r	r _c			
Finningley	360	82011	50106	05011	862//	11802	88704			360	82013	70026	01414	854//	12612	84616	88622		360	01151	000	r _c d _c r _c -r _c rr _c	r _c r _c			
Spurn Point	396	81712	24106	06309	854//	09805	86715	88630		396	81818	70506	03012	854//	12711	83710	88625		396		000	r _c r _c	ir _c id _c			
Leeming	257	81810	50046	04011	5537/	10801	82708	84630	88460	257	81813	57216	98214	854//	12630	88614			257	04151	000	r _c r _c f	r _c r _c fr			
Tynemouth	262	82009	56026	03810	40937	10202	84358	88275		262	81609	39516	98309	864//	09730	88710			262	09142	000	rr	rrd _c d _c			
Carlisle	222	72406	75616	02511	4547/	10801	81712	83622	87462	222	81506	22636	95310	6542/	10844	85711	86618	88459	222	10142	000	r _c -r _c r _c r	rrr _c ir _c			
Valley	302	81408	20516	02110	870//	10814	88700			302	81839	35216	97212	873//	11717	86707	88709		302	09131	000	id _c r _c r _c rr	r _c r _c ir _c id _c			
Ringway	334	81910	18586	04811	873//	11804	86707	88712		334	72020	75606	00914	7533/	12811	83708	87618		334	02151	000	d _c r _c d _c r _c rr	rrr _c r _c d _c r _c			
Squires Gate	318	81706	22616	03910	871//	10803	82702	84704	88708	318	82019	70026	98513	854//	12721	81618	88626		318	08131	000	r _c r _c rd _c R	Rr _c			
Ronaldsway	204	81608	62612	01610	852//	10811	86703	88640		204	82030	58616	94112	872//	11740	82703	88704		204	12121	000	r _c r _c rrR	rRd _c r _c			
Mull of Galloway	131	82114	82026	01609	3852/	09806	81825	88460		131	92132	01616	92810	917//	09757	897//			131	09111	000					
Eskdalemuir	162	81806	64026	02408	884//	07003	85818	88640		162	80000	12636	95608	872//	08840	85703	88706		162	15102	000	r _c rf	rrirff			
Prestwick	135	71703	75022	00908	28472	07802	81816	85360		135	80909	56636	93708	852//	08844	81704	84617	86620	135	05121	000	r _c	r _c rrd _c r _c			
Abbotsinch	140	72107	58041	01409	46476	08301	84710	87070		140	80806	405865														

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

During the past 24 hours a vigorous and deepening depression moved rapidly northeastwards across northern Britain to the northern North Sea, bringing very strong winds to many

districts. During the next 24 hours the depression will move away eastwards, winds will decrease, and a west to northwest airstream will become established over most areas.

Issued at midday SATURDAY 24 DECEMBER

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

Code FM II.V		OBSERVATIONS at 00h. 24 December 1977										OBSERVATIONS at 06h. 24 December 1977										OBSERVATIONS during NIGHT					
Station		ill	Nddff	VVwwwW	PPPTT	N _h Ch _h C _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	Nddff	VVwwwW	PPPTT	N _h Ch _h C _h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	RRT _n T _n E	T _g T _g	WEATHER				
																							21h.—03h.	03h.—09h.			
Boscombe Down		746	72229	65215	06413	754//	11814	87612			746	82517	80032	11510	855//	06139	86626	88635		746	93091	08	d _c r _c d _c r _c	d _c r _c id _c			
Hurn		862	72034	62206	07714	754//	12629	82710	87623		862	82320	65036	13811	854//	08238	82712	85618	88631		862	97111	09	d _c r _c d _c r _c	r _c		
Manston		797	72034	64215	08914	774//	11832	87711			797	62427	66021	09012	38501	07325	82820	85075		797	97111	09	d _c r _c	+			
Gatwick		776	82231	40516	08813	873//	12719	88708			776	72526	80026	11411	755//	06328	82626	83630	87636		776	95101	09	r _c d _c r _c d _c r _c d _c	+		
Kew											775	72418	80026	10112	755//	05342	87629			775	97111	11	id _c r _c	+			
Heathrow		772	82128	60586	06214	854//	13729	85712	88615		772	72620	75026	10111	756//	08248	87630			772	97111	09	d _c r _c -r _c	+			
Honington		586	82021	75025	04114	854//	12728	82713	88615		586	52436	84012	04011	55500	05335	82622	84634		586	97101	09	d _c	+			
Wattisham		590	82127	75216	05114	853//	12728	82709	88612		590	72443	70021	04811	755//	05331	87620			590	97101	09	r _c	+			
Corlestone		497	82129	60022	04914	864//	11728	88712			497	82340	60022	00513	855//	05717	88620			497							
Aberporth		502	72144	62606	94610	774//	08749	87712			502	72626	65036	07910	754//	07144	82712	87617		502	93091	03	ir _c r _c r _c	+			
Filton		628	72424	80016	04314	754//	07619	81616	87640		628	82724	57586	10610	853//	08147	82707	85710	88615		628	02091	08	ir _c	r _c -d _c r _c r _c R		
Rhoose		715	72125	66022	02612	755/1	07725	82625	87656		715	72527	59216	09810	5533/	08145	81708	83618	85640		715	04091	09	ir _c	ir _c pr _c pr _c R		
Hartland Point		703	72560	62022	97912	755//	11835	87624			703	72625	60026	14711	726//	08120	87830			703	97101	09					
Mount Batten		827	72440	60025	07813	755//	09609	84620	87634		827	72625	60026	14711	726//	08120	87830			827	97111	10	ir _c	r _c			
St. Mawgan		817	72431	70035	06012	755//	07310	87624			817	72524	65025	14011	784//	08121	83816	87623		817	94101	09	d _c	+			
Scilly		804	82344	62031	06212	854//	08330	83713	88617		804	72425	60031	15511	754//	09218	87617			804	00111	09	+	+			
Guldruse		809	82534	57055	07312	855//	08306	88624			809	82721	63038	15211	854//	08219	88618			809	97100		pr _c	+			
Guernsey		894	82231	59505	14213	873//	12501	85706	88709		894	62423	80025	18911	50932	09121	85360			894	97111	09	id _c	+			
Elmdon		534	72124	68026	99214	55506	09834	81620	84656		534	82525	75036	05411	855//	05270	81620	88625		534	97101	09	ir _c r _c	ir _c			
Cardington		559	72230	70606	02315	754//	12837	82618	87635		559	52523	70016	06711	55600	06253	85638			559	97100	08	ir _c	r _c			
Wittering		462	72232	82026	00515	755//	11831	87622			462	62535	82012	03910	655//	05366	86626			462	97101	08	r _c r _c	+			
Watnall		354	72124	70036	97314	3563/	09737	83630	87360		354	42324	75256	01209	45500	05366	84622			354	93091	06	r _c	d _c -d _c r _c r _c pr _c			
Shawbury		414	82125	80026	96213	885//	08841	82822	88632		414	72524	80256	04310	784//	07296	81817	87625		414	91091	07	r _c	r _c pr _c			
Finningley		360	72117	84016	95414	35508	10846	83626	87270		360	62630	84256	99010	684//	05375	81818	86624		360	94091	07	r _c r	pr _c pr _c			
Spurn Point		396	51818	70012	97913	55500	11737	85625			396	62638	58258	94510	625//	06318	86820			396			pr _c	+			
Leeming		257	72025	75036	90914	757//	09854	87656			257	72724	80036	96009	754//	06391	87618			257	01091	07	r _c r _c r _c	pr _c			
Tynemouth		262	72020	69025	90513	2557/	10738	82625	87358		262	42320	80028	90509	45500	05358	84625			262	92071	07	pr	+			
Carlisle		222	82430	65606	88212	4542/	08747	81713	84625	88460	222	72725	68806	94508	784//	07288	82711	84816	86645		222	05081	06	r _c r _c ir _c Rr	pr _c		
Valley		302	81942	30586	90010	853//	09850	84707	88614		302	72325	65026	03610	754//	08158	83615	87618		302	02091	08	d _c r _c d _c r _c	ir _c			
Ringway		334	72037	75026	94313	5563/	08850	85630	87360		334	82623	70026	02210	855//	06197	88622			334	01091	07	d _c r _c r	d _c r _c			
Squires Gate		318	72130	62036	92311	6552/	09750	82625	85646	87460	318	72626	70016	00409	784//	08194	83817	83630	85650		318	01091	07	r _c r _c r	r _c pr _c		
Ronaldsway		204	82133	35586	87011	853//	09750	81708	85713	88620	204	72525	75018	99509	48432	07283	81713	83816	85070		204	94081	07	d _c r _c d _c r _c ir _c	pr _c		
Mull of Galloway		131	82145	60616	83810	874//	09747	88710			131	82730	66606	97208	7552/	07273	87620	88530		131	96081						
Eskdalemuir		162	81729	50596	87209	873//	08841	88709			162	72420	68806	93407	784//	05394	83712	86820	86635		162	07062	04	ir _c r _c d _c r _c d _c r _c r	d _c r _c pr _c		
Prestwick		135	82118	65606	84011	854//	08635	81712	83622	86635	135	62717	65218	91708	5841/	06187	83816	84630		135	02071	06	r _c r _c	pr _c			
Abbotsinch		140	72122	57216	82912	755//	08652	82620	87650		140	72822	86026	87508	755//	03373	81620	87650		140	01071	05	ir _c d _c r _c ir _c r _c r _c	pr _c r _c r			
Leuchars		171	72016	70606	83811	755//	08763	81620	87645		171	72822	86026	87508	755//	03373	81620	87650		171	01061	04	d _c r _c ir _c	+			
Dyce		091	82802	03466	83207	870//	07885	88700	</																		

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

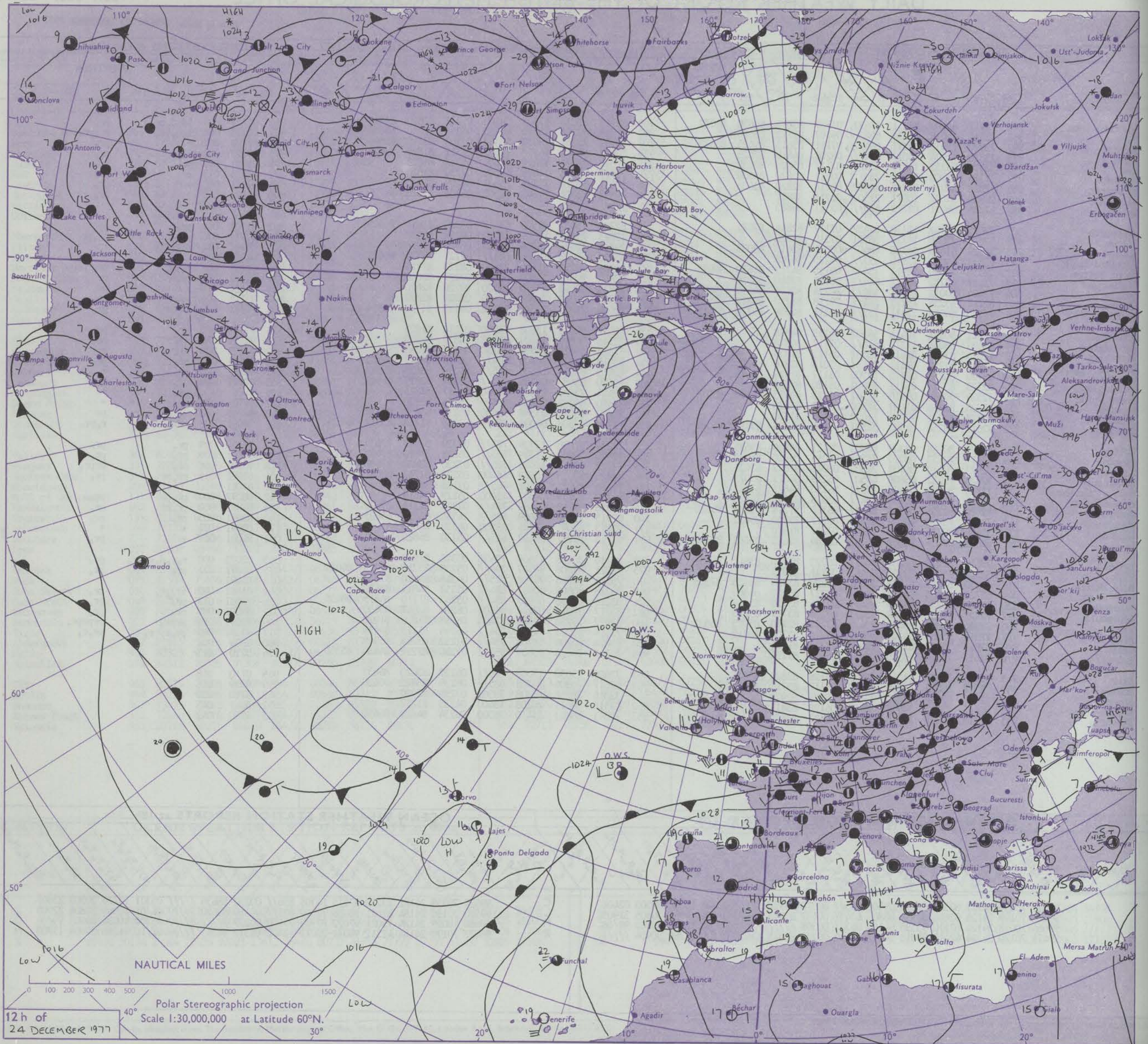
ISSN 0307-2541

Date of Issue SUNDAY 25 DECEMBER 1977

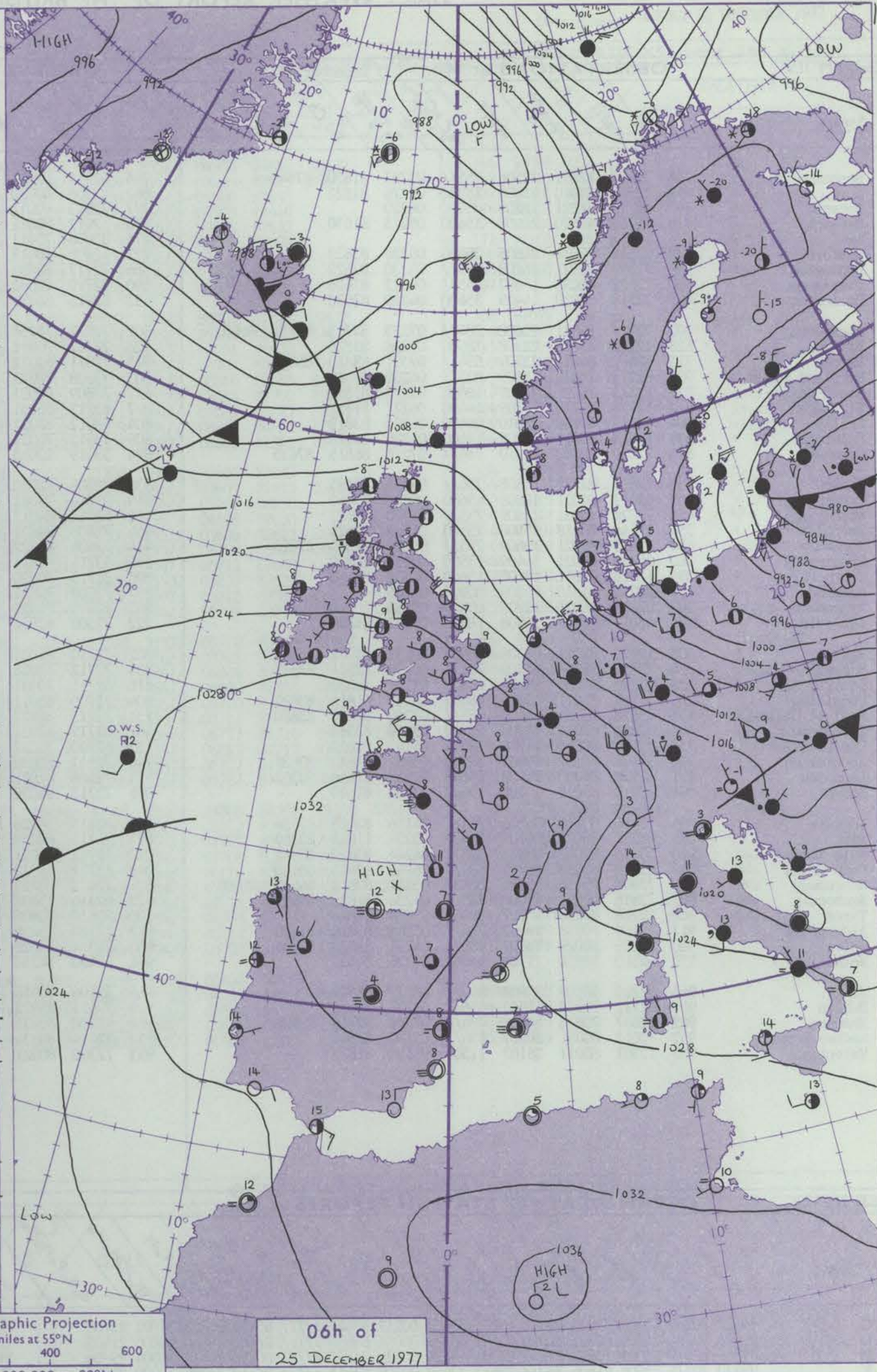
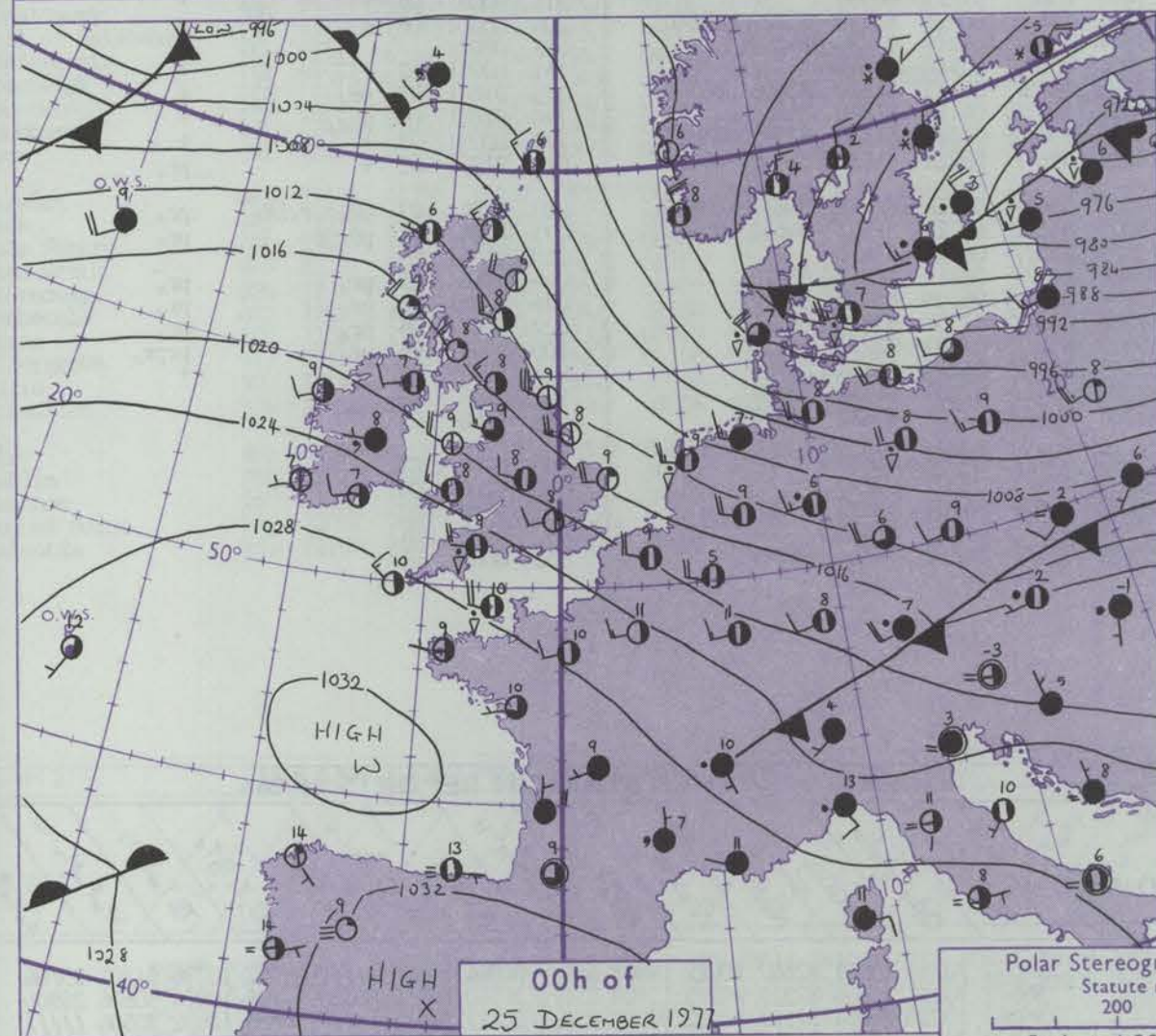
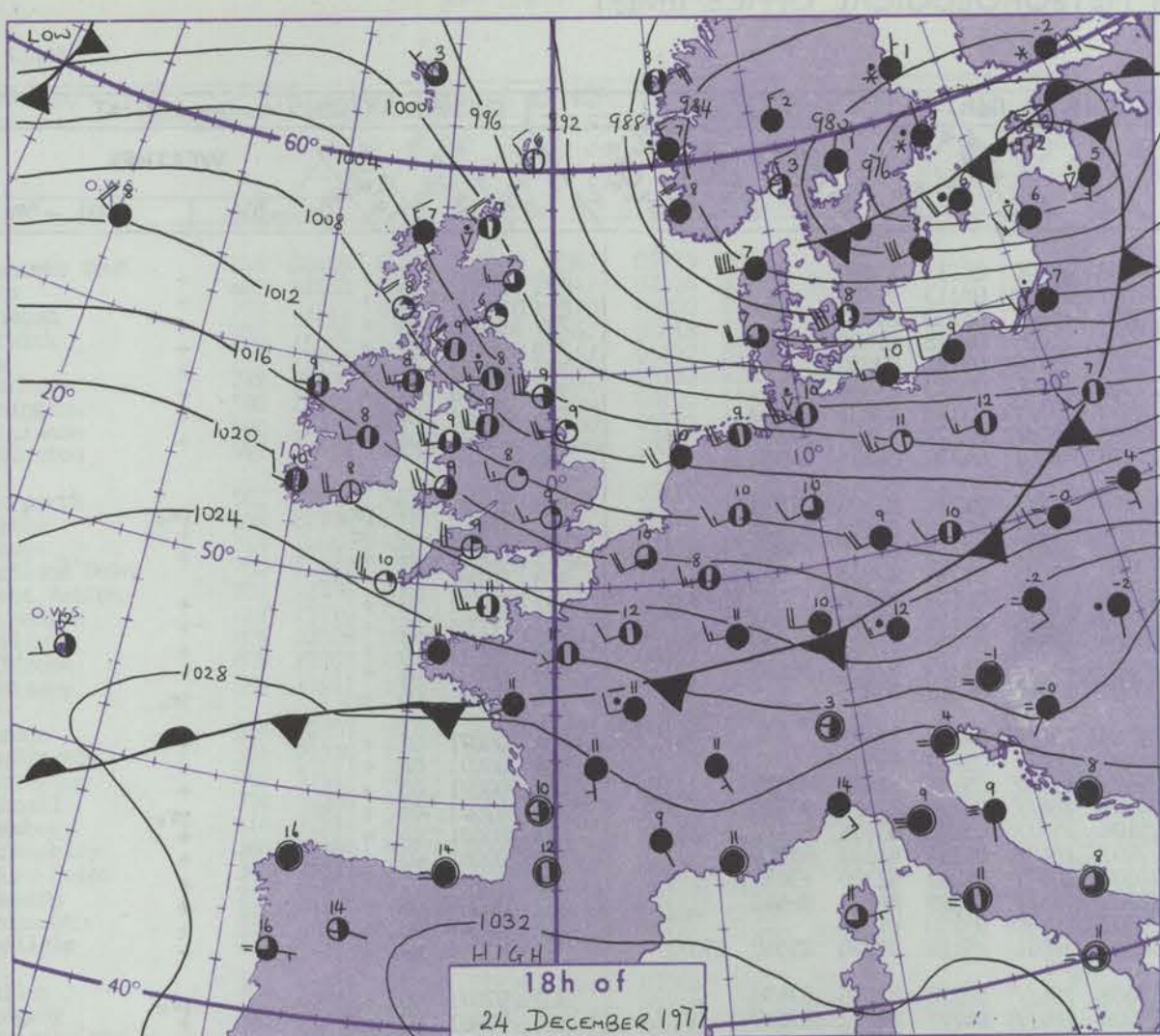
No. 42402

OBSERVATIONS at 12h. 24 December 1977										OBSERVATIONS at 18h. 24 December 1977										OBSERVATIONS during DAY					
Code FM 11.V										Code FM 11.V										Code FM 11.V					
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRT	T _e	SSS	WEATHER		
																							09h.—15h.	15h.—21h.	
Boscombe Down	746	72417	81206	15311	68432	07107	83815	84630	86072	746	52717	82038	17308	58500	05217	82820	84630		746	91111	029	id _e depr _e		pr _e	
Hurn	862	72318	62036	17111	65430	09107	83712	85618		862	42514	70258	18310	48400	07314	82818	83625		862	01111	000	re _e depr _e		pr _e pr	
Manston	797	72420	75032	14211	684/2	07111	83815	84625	86072	797	72517	75251	14010	58432	07203	82816	85640		797	97121	002	+		pr _e	
Gatwick	776	72320	72026	15011	754//	08208	84618	87626		776	32622	80018	16210	12562	06312	81820	83072		776	97121	002	re _e pr _e		pr _e	
Kew	775	72416	75252	14111	785//	07111	85820	87630		775	12516	75018	15410	11501	05312	81825			775	91121	015	pr _e		pr _e	
Heathrow	772	72516	70808	14311	785//	09211	85820	84630		772	22617	75018	15409	18502	07210	81826			772	97131	015	pr _e		pr _e	
Honington	586	52323	84031	09912	48502	05114	82820	83635		586	12421	82018	11209	15601	04109	81635			586	97121	050	+		pr _e	
Wattisham	590	22528	84021	10911	21502	06214	82822			590	32523	82808	11509	32500	05206	83825			590	97111	043	+		pr _e	
Gorleston	497	62324	66031	08712	625//	05111	86825			497									497		027				
Aberporth	502	72622	70252	13110	22432	07117	82816	87072		502	62723	75032	17509	684//	05323	81818	86645		502	91101	011	pr _e		jp	
Filton	628	52618	75036	14710	58501	07212	84820			628	12813	75018	17509	18500	06222	81820			628	01111	030	pr		pr _e pr	
Rhoose	715	52520	61808	14710	48401	08013	83815	83075		715	22718	72038	18209	28400	06328	81816			715	03101	018	pr _e prpr		+	
Hartland Point	703	62832	64026	15910	673//	09225	86708			703	63028	66028	19110	684//	07221	82815	85622		703	96111	016				
Mount Batten	827	72518	70606	18911	75432	09115	84712	85628	86075	827	22809	70258	21510	28400	08223	81714			827	94121	002	re _e pr _e		pr _e	
St. Mawgan	817	72621	68252	18711	684/2	08117	83810	85616		817	22814	70018	21409	25600	07227	82640			817	01111	005	pr _e		pr	
Scilly	804	72424	60032	20711	58472	09228	82814	84619	85075	804	22823	62018	23510	25500	09226	82620			804	94121	015	+		pr	
Culdrose	809	82717	65258	19711	884//	09118	83710	84812	88620	809	32914	70258	22309	38400	08224	82810			809	93111	006	pr _e		pr _e	
Guernsey	894	72520	66016	22411	753//	10211	82708	84710	85615	894	72624	75022	23311	584/2	09212	81710	84814	87075	894	97111	000	ir _e pr _e		pr _e	
Elmdon	534	62521	80251	10411	58502	04113	84828			534	22617	84018	12808	28500	03216	81825			534	97111	026	pr _e		pr _e	
Cardington	559	62524	68036	11312	624//	07117	86818			559	22518	80018	13009	28500	04213	82820			559	92121	038	ir _e		pr _e	
Wittering	462	22525	83011	09611	18601	05113	81830			462	12623	84028	11508	15730	03211	81650			462	91121	028	pr _e		+	
Watnall	354	72318	82258	08611	38431	05018	82816	86075		354	62419	82258	10708	684//	04013	84817	84625		354	91111	028	pr _e		pr _e	
Shawbury	414	52720	80258	09710	18502	06117	81824	84075		414	62615	80038	12508	685//	05219	83825	85640		414	97111	028	pr _e		+	
Finningley	360	22523	83021	05811	28602	05120	82830			360	72620	82038	08308	785//	05319	82825	86645		360	01111	049	pr _e		pr _e	
Spurn Point	396	52524	70028	04910	32561	05225	83825	84360	85075	396	22624	75028	07409	12540	04217	81825			396			pr _e		+	
Leeming	257	42526	82258	03409	32502	05341	83820			257	32620	65028	05808	38500	05228	82820			257	91101	036	pr _e		+	
Tynemouth	262	22528	80011	99710	11630	02130	81830			262	32620	80028	03308	15630	05218	81630	83359		262	92101	030	+		pr	
Carlisle	222	72617	68258	01808	58331	05016	81708	83818	85360	222	72715	63808	06008	784//	07336	81715	83817	87634	222	01091	006	pr _e re _r		re _e pr _e	
Valley	302	62525	80258	09309	68502	06121	84820	85635		302	72724	81038	13709	784//	06229	81819	87635		302	93101	009	pr _e		pr _e	
Ringway	334	72417	70158	08010	78501	06016	86820	85635		334	72520	75258	11309	785//	05321	82820	87635		334	91101	006	pr _e		pr _e	
Squires Gate	318	52523	70018	06409	38502	08014	81822	83635		318	72722	67258	10509	785//	07230	82822	87635		318	93101	018	pr _e		pr _e pr _e	
Ronaldsway	204	52624	75252	05809	48502	05219	84822	83073		204	42825	80018	10709	48400	05233	81713	83822		204	01081	013	pr _e pr		pr _e	
Mull of Galloway	131	72728	80028	02808	785//	06110	84825	83635		131	73130	75028	08508	785//	07128	86820			131	91091					
Eskdalemuir	162	72315	62258	00706	734//	05018	82918	84820		162	42730	60258	04307	42400	05229	84816			162	08072	000	pr _e pr		pr _e	
Prestwick	135	82520	62258	00508	884//	06316	81714	83816	86620	135	73018	65258	06509	784//	07244	82714	87622		135	04091	000	pr _e pr		pr _e	
Abbotsinch	140	72513	70258	99109	6853/	06117	83820	85632		140	62915	75018	04609	685//	06340	82824	85635		140	93091	005	pr _e		pr _e	
Leuchars	171	32619	89021	96208	18542	03227	81820			171	22413	82011	01706	28500	04238	81820			171	00091	031	+		pr _e	
Dyce	091	62611	82036	94007	35552	02136	81625	83645	85362	091	62715	86251	99407	625//	05230	86820			091	94081	009	+		pr _e	
Lerwick	005	73115	80216	86407	784//	05223	81710	83812	86630	005	13110	80258	93606	19431	05340	81912			005	02072	000	re _e re _e re _e pr _e		pr _e	
Wick	075	32612	75258	92105	2																				

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

A deep depression over the northern North Sea with a shallow trough of low pressure to the east of Iceland has moved rather quickly east to the East Baltic, followed by a strong to gale northwesterly airstream over the British Isles. A complex area of high

pressure has formed over Biscay and Spain to Tunisia. During the next 24 hours the northwesterly gradient over the British Isles will gradually decrease as the ridge of high pressure over Biscay moves east to central France and the Channel.

Issued at midday SUNDAY 25 DECEMBER 1977

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

OBSERVATIONS at 00h. 25 December 1977										OBSERVATIONS at 06h. 25 December 1977										OBSERVATIONS during NIGHT									
Station	ill	Nddff	VVwwW	PPPTT	N _h Ch _h C _h H	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	Nddff	VVwwW	PPPTT	N _h Ch _h C _h H	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	RRT _n T _n E	T _g T _g	WEATHER							
																						21h.—03h.	03h.—09h.						
Boscombe Down	746	72613	82031	22508	755//	05327	81620	87640		746	42911	82011	26408	45600	06113	84630			746	00071	05	+	+						
Hurn	862	22608	80010	23508	18530	05226	81822			862	22608	80030	27607	11530	05113	81820			862	00061	04	+	+						
Manston	797	02716	81021	18208	00900	04220				797	72913	80011	23809	756//	05220	87640			797	00071	05	+	+						
Gatwick	776	12717	81020	20408	15600	05223	81630			776	12912	82011	25408	15601	04218	81640			776	00051	52	+	+						
Kew										775	32908	75011	25309	35700	05121	83650			775	00051	51	+	+						
Heathrow	772	32612	75031	20508	35600	06328	83633			772	12806	68011	25508	15600	06123	81640			772	00061	02	+	+						
Honington	586	72519	82021	16108	755//	04230	87622			586	72717	82031	22908	755//	05229	83628	87640		586	00061	04	+	+						
Wattisham	590	72622	82038	16407	755//	04325	87626			590	72719	82032	23008	755//	05227	83621	87634		590	00061	04	+	+						
Gorleston	497	32718	64020	14409	35600	04220	83630			497	82913	66031	21709	4554/	04234	84625	86358		497										
Aberporth	502	72917	75031	23608	784//	07233	84713	83818	86630	502	72917	75258	27208	785//	07213	82820	87635		502	92081	07	pr _c	pr _c						
Filton	628	12713	75028	22708	18500	05226	81820			628	72712	75011	27209	755//	06118	82628	87639		628	97081	05	pr	+						
Rhoose	715	62617	64031	23309	684//	07331	83818	86630		715	72811	68012	27308	754//	07115	81710	87650		715	00081	07	+	+						
Hartland Point	703	82915	74022	25309	825//	06230	88829			703	73108	78022	28509	756//	07214	87630			703	97081	07								
Mount Batten	827	12813	75021	26709	18500	06227	81822			827	72809	80021	29309	756//	06108	87636			827	00071	03	+	+						
St. Mary's	817	12914	82010	26709	14400	06227	81817			817	63112	86031	29608	65500	04112	86624			817	00081	05	+	+						
Scilly	804	43015	81038	28010	48400	06220	83819			804	43012	81031	30409	48500	07204	81823	84630		804	00091	06	+	+						
Culdrose	809	13013	70011	27708	11400	05224	81814			809	73012	70031	30509	785//	03213	82820	86635		809	00071	04	+	+						
Guernsey	894	72820	80808	27310	784//	07218	86815	87635		894	53019	82018	30409	58500	04212	84825			894	97081	06	pr _c	pr _c						
Elmdon	534	72811	82031	18808	756//	04333	87635			534	72806	82022	25108	756//	04226	87635			534	00071	05	+	+						
Cardington	559	42617	80031	18308	45600	05227	84640			559	82814	75021	24709	856//	05229	88635			559	00071	04	+	+						
Wittering	462	72820	83031	17309	755//	05328	87622			462	62714	84012	24507	15502	05133	81628	86075		462	00071	05	+	+						
Watnall	354	22518	75018	16508	25500	05227	82625			354	72408	70801	24208	784//	05228	82817	87626		354	97071	04	+	pr _c						
Shawbury	414	72913	81021	19609	785//	05239	81820	87624		414	72606	81022	25108	755//	05225	83626	87632		414	00071	04	+	+						
Finningley	360	12920	82021	14409	18500	05237	81820			360	52711	82011	22407	15608	05232	81635	85275		360	00061	02	+	+						
Spurn Point	396	12826	68011	13108	15640	06236	81640			396	32715	70020	21007	20971	05232	82360	83075		396				+						
Leeming	257	02815	75010	13509	00900	04245				257	72602	75021	21805	755//	04228	84626	86640		257	00051	01	+	+						
Tynemouth	262	02818	81020	12209	00900	05255				262	12810	81020	20307	10930	05230	81358			262	00061	03	+	+						
Carlisle	222	43013	80018	14808	18532	06243	81820			222	72508	82031	20807	58531	05118	82820	85640	87072	222	00061	04	+	+						
Valley	302	12922	81011	21009	00902	06233	81072			302	72710	81021	25609	784//	07218	81816	87630		302	97071	05	+	pr _c						
Ringway	334	72819	75808	18409	7847/	06136	82814	87635		334	72712	82028	24608	784//	06227	82812	87650		334	97081	07	pr _c	+						
Squires Gate	318	62815	65038	18109	656//	07237	86630			318	82711	70031	23808	856//	07219	88636			318	00081	06	+	+						
Ronaldsway	204	42918	82011	19008	48400	06236	81814	83822		204	72709	82011	23809	784//	05226	81815	85822	87640		204	00081	06	+	+					
Mull of Galloway	131	73018	80031	18408	785//	07250	81820	83630		131	73215	82022	22507	4563/	05214	84630	84360		131	00071									
Eskdalemuir	162	32824	82011	14706	30940	05258	83365			162	82719	82021	20006	856//	03110	88640			162	00051	02	+	+						
Prestwick	135	23116	80011	15708	28500	06143	81820			135	62810	75022	20708	3853/	05215	81820	83656	86360		135	91071	05	pr _c	+					
Abbotsinch	140	32608	84031	14907	38500	03252	81820	83635		140	72511	82038	19907	58532	04114	81820	85635		140	91061	04	pr _c	+						
Leuchars	171	42920	84030	11908	15640	01158	81640	83362		171	72408	82021	18105	15642	03219	81630	83362	87072	171	00051	01	+	+						
Dyce	091	12918	86018	10106	15640	03255	81640			091	72712	84038	16606	4567/	03221	81630	84640	86361	091	91051	02	+	pr _c						
Lerwick	005	73114	80218	04406	754//	04156	82615	87626		005	82411	80026	09506	5542/	05116	82618	84637	88460	005	01041	03	pr _c d _c r _c ir _c	pr _c						
Wick	075	43017	80018	09705	18432	03254	81818	83360		075	72711	80028	15005	45532	04221	81625	84650	85360	075	01041	01	pr _c pr	pr _c						
Sule Skerry	010	83213	82032	09908	3257/	04244	83820	88360		010	72712	74021	13409	755//	06214	87625			010	97061	05								
Cape Wrath	049	83218	80038	10407	884//	06242	82815	88620		049	8																		

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

ISSN 0307-2541

No. 42403

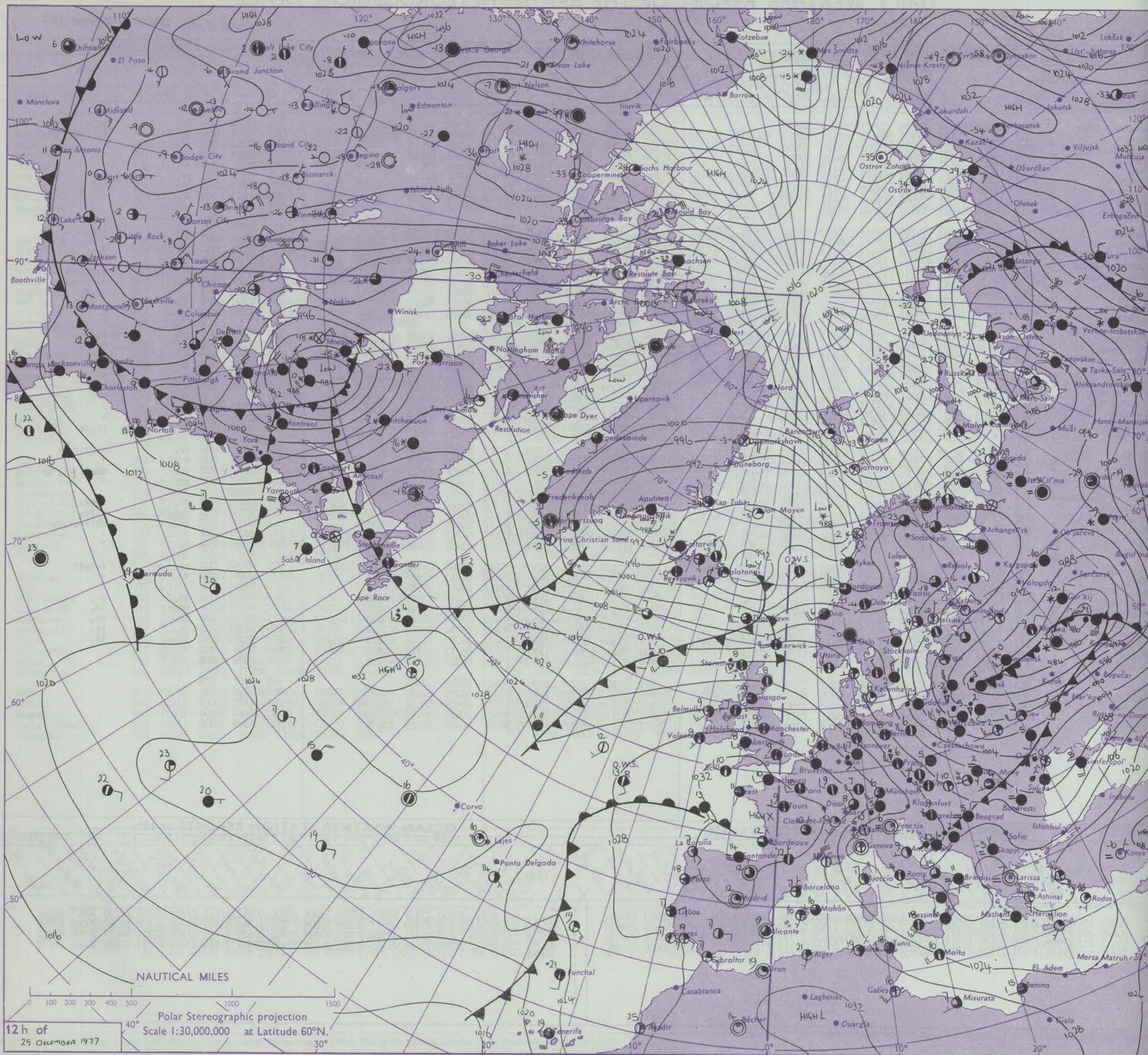
Date of Issue MONDAY 26 DECEMBER 1977

OBSERVATIONS at 12h. 25 December 1977										OBSERVATIONS at 18h. 25 December 1977										OBSERVATIONS during DAY				
Code FM II.V	Station	ill	Nddff	VVwww	PPPTT	N _h ChC _M H	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	Nddff	VVwww	PPPTT	N _h ChC _M H	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	RRT x T x E	SSS	WEATHER	
																							09h.-15h.	15h.-21h.
Code FM II.V	Boscombe Down	746	82409	81031	30608	856//	07115	88630			746	82309	82028	30107	855//	04503	84626	88632		746	97081	000	prc	prc
	Hurn	862	82408	75031	31109	884//	07114	82818	88630		862	82107	80032	30409	855//	05605	82625	88643		862	97101	000	jp	rc
	Manston	797	32812	81031	28910	25701	05220	82650			797	72209	80021	29208	756//	06500	87645			797	00101	035	+	+
	Gatwick	776	72508	75021	29809	756//	06018	87645			776	82408	70022	29708	856//	06503	88640			776	00091	001	+	+
	Kew	775	72705	75031	29310	756//	05117	81630	87635		775	72507	75022	29109	756//	04604	87632			775	00101	009	+	+
	Heathrow	772	72606	75021	29609	785//	06118	81825	87635		772	72306	75018	29309	755//	04804	87628			772	97101	006	prc	+
	Honington	586	22713	65021	27610	28501	05115	81820			586	72311	75021	27808	756//	05603	87632			586	00101	033	+	+
	Wattisham	590	22713	80021	27609	15602	05117	81640			590	82209	75021	27907	856//	05704	88632			590	00101	038	+	+
	Gorleston	497	02611	66021	27109	00900	05219				497	72106	64011	27308	755//	05804	87625			497		039		
	Aberporth	502	82409	82028	29708	884//	05110	82818	85625	88635	502	72112	88022	23207	784//	03704	81818	87628		502	97091	000	prc	irc

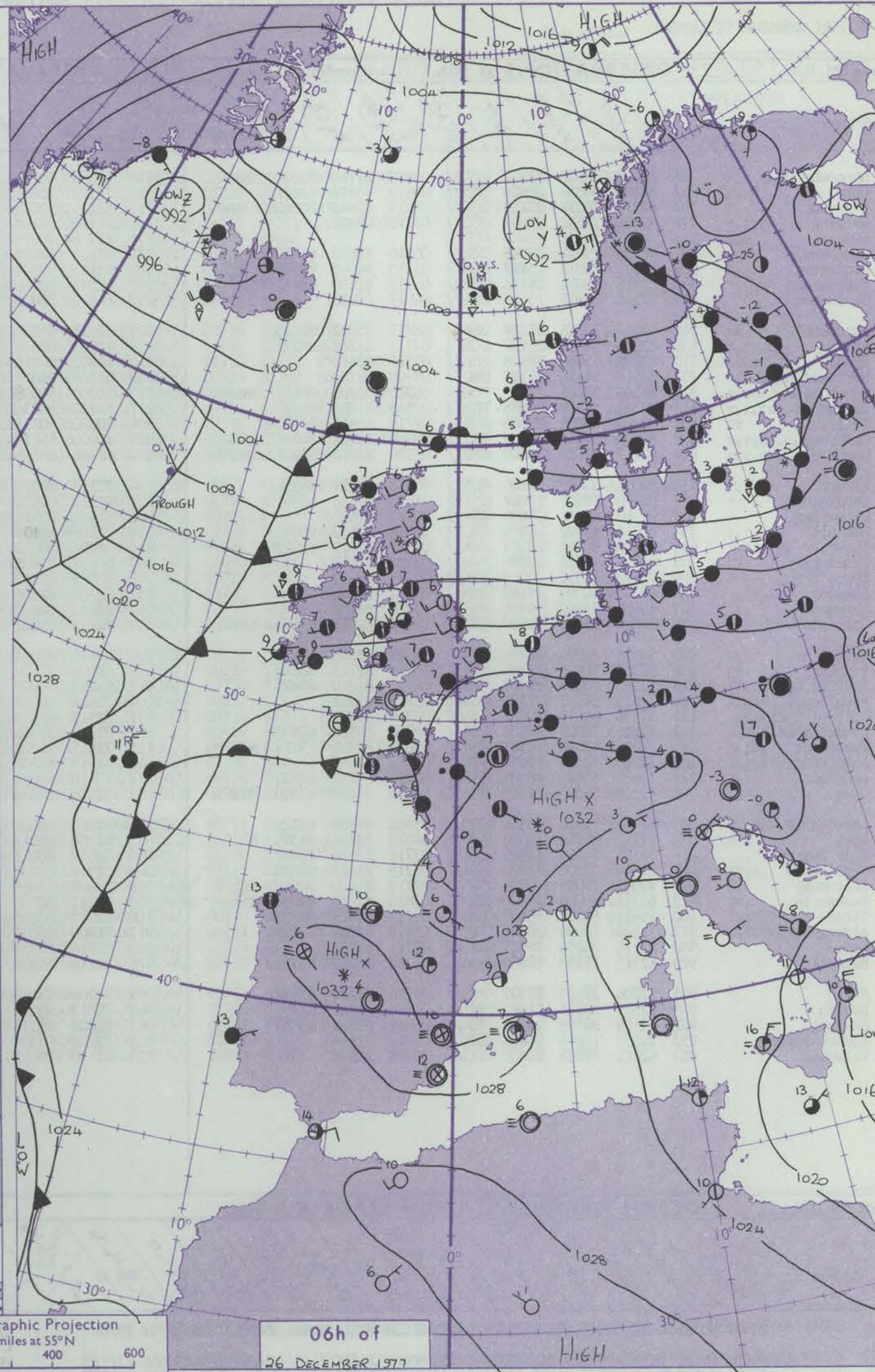
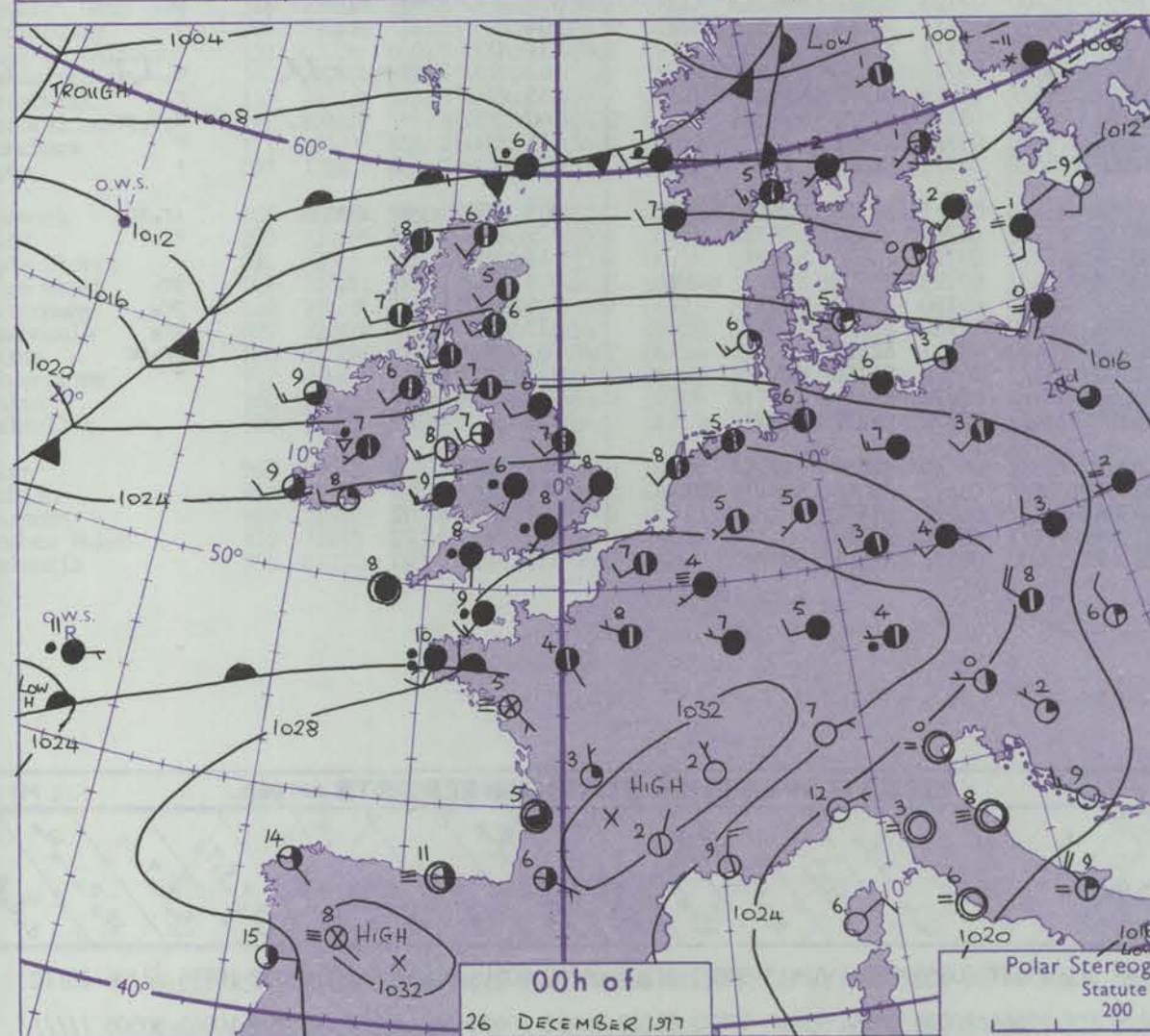
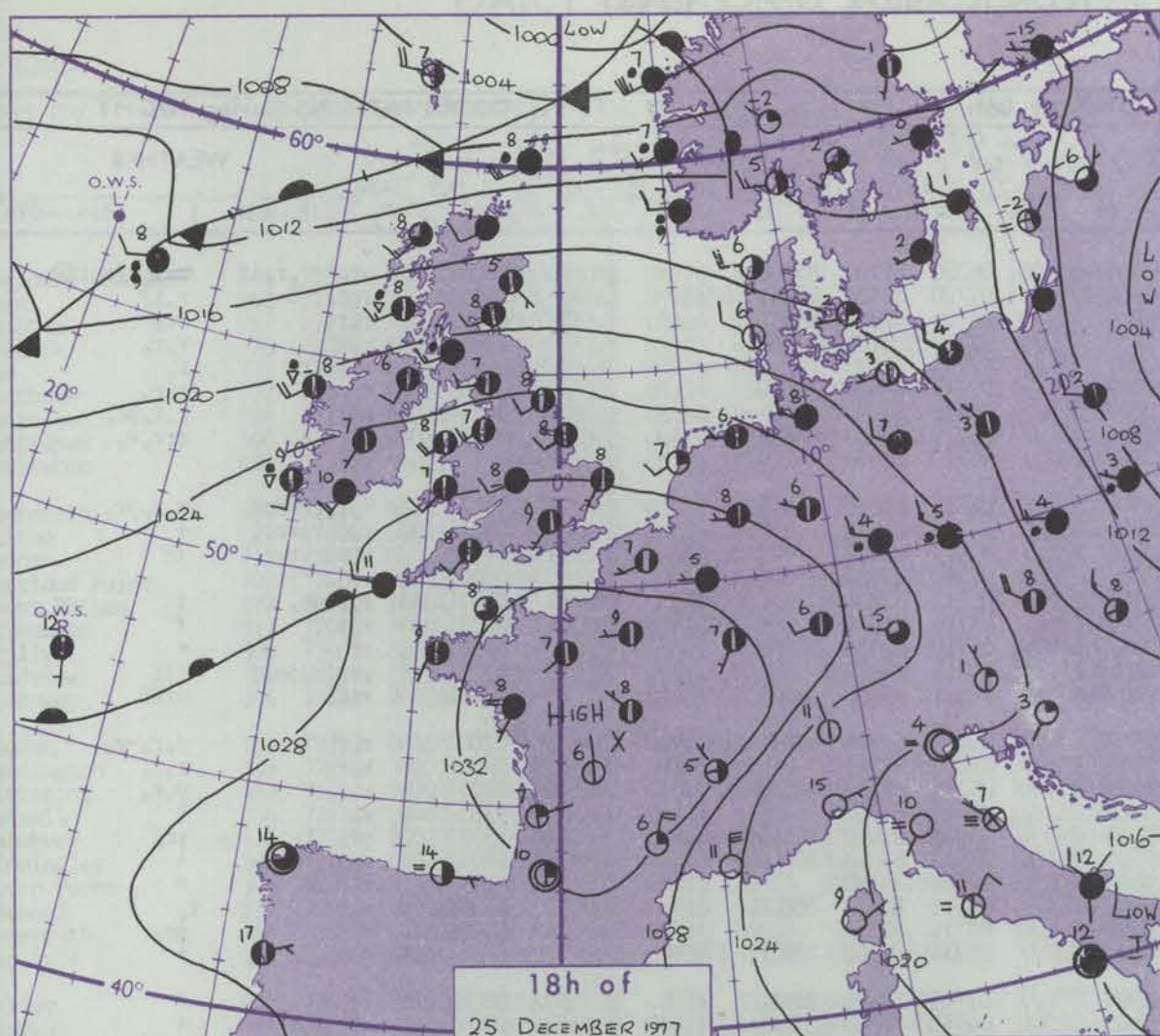
Code FM 21.V	OCEAN WEATHER STATION REPORTS at 12h.														OCEAN WEATHER STATION REPORTS at 18h.														
O.W.S.	99LaLaLa	QcLoLoLoLo	YYGGiw	Nddff	VVwwwW	PPPTT	NhChCmCH	Dsvsapp	8NsChshs	8NsChshs	OTsTsTdTd	ITwTwTwTw	3PwPwHwHw	dwdwPwHwHw	O.W.S.	99LaLaLa	QcLoLoLoLo	YYGGiw	Nddff	VVwwwW	PPPTT	NhChCmCH	Dsvsapp	8NsChshs	8NsChshs	OTsTsTdTd	ITwTwTwTw	3PwPwHwHw	dwdwPwHwHw
C L M R	99527	70355	25121	72409	97258	18606	73400	00705	83916	84646	05104	10736	30403	23006		99527	70355	25181	62814	97258	19206	63400	00313	////	////	05302	10730	30807	////
	99568	70181	25124	82118	98022	14809	5543/	32309	82710	85630	0//08	10979	30905	29803		99567	70175	25184	82611	96586	12008	7722/	31803	83703	86703	0//08	10962	30805	23906
	99664	10024	25124	72312	97022	99401	75400	00400	////	////	06054	10686	30404	99/05		99664	10025	25184	52524	97022	93805	55400	00622	////	////	05204	10679	30504	99/05
	99471	70171	25124	71510	98022	28012	2747/	00102	82715	87460	0//11	11275	30000	28803		99472	70168	25184	71705	98022	26612	2247/	00302	81815	87460	0//11	11270	30602	////

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

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

During the past 24 hours a depression moved eastwards from Iceland to the Norwegian Sea. Pressure remained high to the south of the British Isles, maintaining a westerly airstream over most districts. During the next 24 hours a further depression is expected

to develop to the northwest of the British Isles, and a low forming off southwest England will deepen and move northeastwards to the North Sea. A strong northwesterly airstream will become established over the United Kingdom.

Issued at midday MONDAY 26 DECEMBER 1977

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

OBSERVATIONS at 00h. 26 December 1977										OBSERVATIONS at 06h. 26 December 1977										OBSERVATIONS during NIGHT					
Station	ill	Nddff	VVwww	PPPTT	N _h Ch _h CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	Nddff	VVwww	PPPTT	N _h Ch _h CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	RR T _n E	T _g T _g	WEATHER			
																						21h.—03h.	03h.—09h.		
Boscombe Down	746	82007	56638	27407	5542/	06720	81710	85620	88550	746	52004	40106	23706	55200	06720	81705	85640		746	03051	02	pr rrr r _e if	ifr _e fff		
Hurn	862	82106	60636	28008	3552/	08619	83620	88531		862	72102	75216	24108	755//	07720	82626	85631	87639	862	06051	01	r _e d _e rrr	r _e if		
Manston	797	82212	70032	27107	2567/	05819	82645	83360	87464	797	52111	75016	24005	15730	05724	81656	85360		797	01051	02	r _e rrr	rr _e		
Gatwick	776	82308	75602	27807	855//	05716	88629			776	72108	58106	24407	753//	07721	83708	87650		776	03061	03	r _e rrr	r _e r _e		
Kew										775	72208	70026	23707	756//	07715	87635			775	01051	51	r _e rrr r _e	r _e		
Heathrow	772	82105	70602	27408	5562/	06816	85635	88459		772	82106	62036	24007	856//	07718	81640	88650		772	01061	03	rr r _e	r _e r _e		
Honington	586	82412	70012	25707	6567/	03713	86645	88270		586	72111	70606	22307	756//	06720	87630			586	96061	04	r _e r _e	r _e r _e pr _e		
Wattisham	590	82413	75032	26106	2562/	04715	82630	88462		590	82214	58216	22706	854//	06719	83613	88650		590	95051	04	r _e rrr	rrr r _e		
Gorleston	497	82210	64022	25108	856//	04817	88630			497	82212	66026	22207	857//	06717	88656			497						
Aberporth	502	82417	70216	25109	854//	08815	85712	88625		502	52411	75028	21908	58400	07816	81815	85635		502	03071	05	r _e r _e rrrRRpr _e	r _e r _e pr _e		
Filton	628	82308	56636	27107	854//	07715	81712	88625		628	12003	80016	23505	15600	04717	81645			628	03041	52	r _e d _e r _e rrr r _e	+		
Rhoose	715	82208	65636	26808	856//	07717	88630			715	61802	86016	23206	656//	05817	86645			715	07051	52	r _e rRR rrr	jf		
Hartland Point	703	82610	66636	27108	862//	08708	88703			703	52508	74016	23007	35630	07717	83637	85360		703	08062	05				
Mount Batten	827	83506	58616	27708	853//	08710	82708	84615	88630	827	20000	40408	24206	26000	05713	82701			827	06031	01	r _e rrrpr _e	f		
St. Mawgan	817	82302	58616	27608	853//	07810	83706	88622		817	11702	80036	24304	00901	03716	81075			817	04031	51	r _e r	f		
Scilly	804	80000	80026	26808	885//	07718	81823	88630		804	50000	80031	24307	40979	06710	82358	83460		804	01061	51	rr	+		
Culdrose	809	80000	60616	27108	852//	08720	83704	84616	88630	809	10000	65118	24304	15600	04713	81635			809	01031	51	rrr r _e pr _e f	fff		
Guernsey	894	82113	66616	28909	852//	08724	81704	83707	86620	894	81308	08596	23609	870//	09621	85700	88701		894	13081	03	rrdr	drFF		
Elmdon	534	82008	60632	25106	3562/	05818	83639	88556		534	72213	64026	21807	753//	06714	81706	83630	87643	534	02061	04	r _e rrr	d _e r _e r _e		
Cardington	559	82310	70602	26007	7567/	06815	87635	88462		559	72311	65026	22707	756//	07716	87641			559	94061	04	r _e r _e	r _e r _e		
Wittering	462	72310	82022	25406	756//	04812	87630			462	52309	80016	22006	55400	05715	82710	84630		462	97051	04	r _e r _e	d _e r _e		
Watnall	354	82010	65032	24106	3551/	03818	83622	88460		354	72108	58006	20806	761//	06616	87702			354	97051	03	r _e	+		
Shawbury	414	81908	80022	24007	854//	05721	83616	88622		414	32204	70028	21306	28534	05812	81820	83075		414	93021	53	pr _e	pr _e		
Finningley	360	81707	75022	22806	8092/	03720	88468			360	52007	57105	19504	35602	03616	83635	83070		360	97031	51	d _e	+		
Spurn Point	396	72310	66032	23207	756//	04715	87630			396	42312	75021	19606	40970	05716	84360			396			+			
Leeming	257	82305	84022	21007	855//	04721	88620			257	82306	80606	17906	854//	04719	83617	88620		257	01061	03	r _e r	r _e		
Tynemouth	262	62306	81022	19906	4563/	03720	84635			262	12610	80028	16506	10930	05716	81358			262	91051	02	+	pr _e		
Carlisle	222	72611	75028	19507	784//	06719	82818	83630	87640	222	72712	75032	16607	783//	06716	82708	83620	87637	222	00061	04	+	+		
Valley	302	12416	80026	22808	18400	07723	81816			302	72416	80021	19909	754//	07715	83711	86628		302	01081	05	ir	+		
Ringway	334	82307	50636	23906	854//	05718	82713	88616		334	32008	75018	20405	38500	04718	81825	83640		334	01041	03	r _e r _e d _e r _e pr _e	+		
Squires Gate	318	52212	80016	22007	58500	06721	81820	85624		318	62413	70808	18707	68500	07720	83820	84635		318	97061	04	r _e	pr _e		
Ronaldsway	204	32615	84011	21108	38400	05717	82818			204	72614	84028	18008	784//	06717	82712	84816	87656	204	97071	05	pr _e	+		
Mull of Galloway	131	52520	84011	19807	55600	06719	85630			131	32519	84011	17107	38520	06719	82820			131	00061					
Eskdalemuir	162	72215	70258	18905	784//	04818	84818	87640		162	82108	70026	16105	854//	04716	86710	88620		162	92051	04	pr _e d _e r _e d _e	d _e d _e		
Prestwick	135	72416	68026	18307	754//	05615	82712	85614	86625	135	72415	75022	15307	754//	05819	81712	83616	85625	135	97071	05	r _e	r _e		
Abbotsinch	140	72311	70026	17407	754//	04715	81617	87630		140	62513	65806	14206	684//	05718	82815	85632		140	92061	04	ir _e d _e r _e	d _e r _e pr _e		
Leuchars	171	72409	80022	16506	754//	04712	83712	87625		171	12410	82021	13404	15600	03715	81630			171	00031	00	+	+		
Dyce	091	72308	84022	14505	15672	03716	81630	83360	86363	091	32408	86031	11805	25630	02713	81640			091	00011	52	+	+		
Lerwick	005	82710	50616	08606	4732/	05608	84708	88522		005	82407	65606	06306	854//	05711	82710	84614	88623	005	05042	04	rrr r _e	ir _e id _e		
Wick	075	72110	84012	12506	25778	04810	82656	86360	87270	075	42308	86011	09706	15772	04716	81650	83070		075	00051	50	+	+		
Sule Skerry	010	82525	74022	10909	3557/	07716	83625	88468																	

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

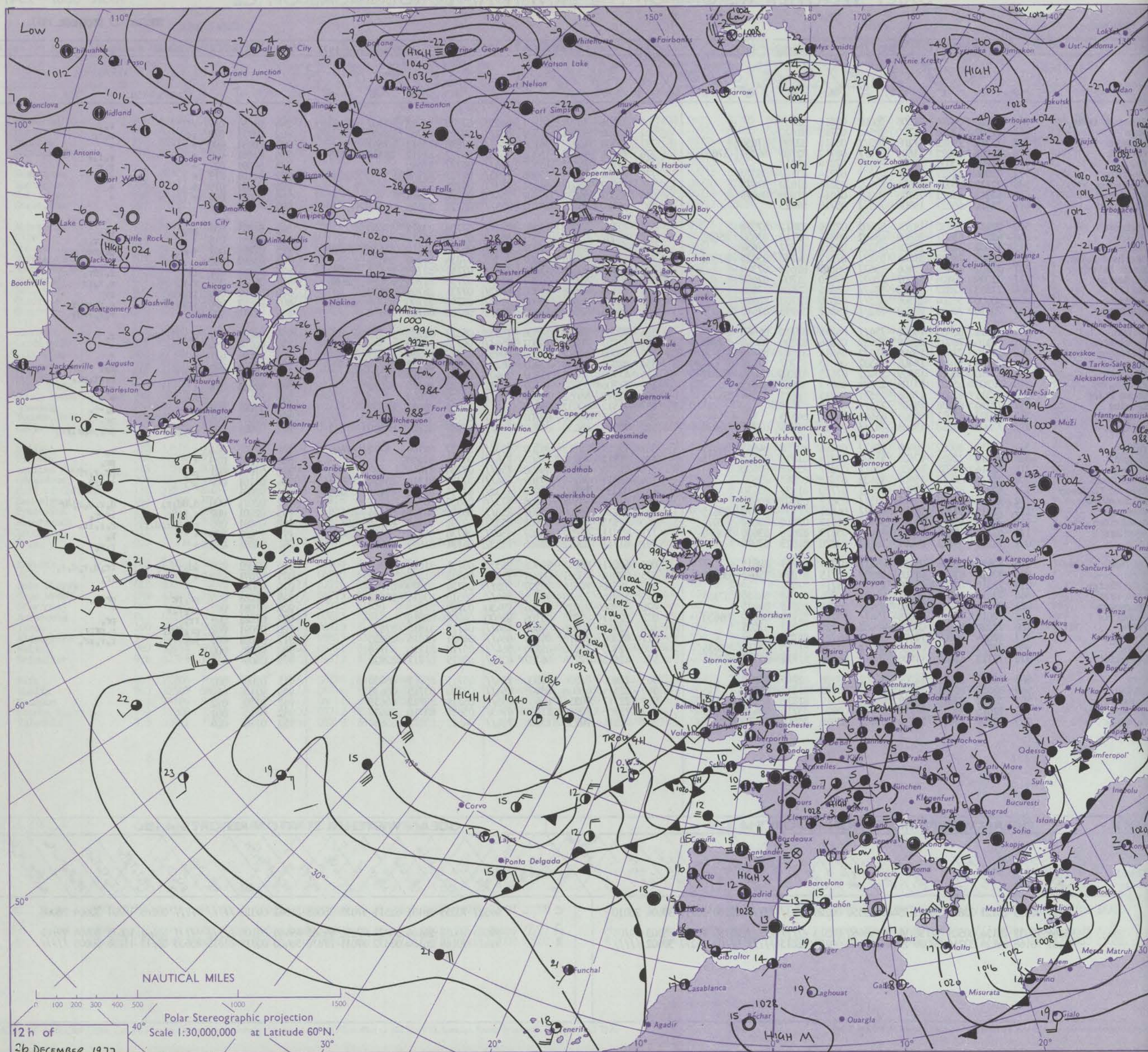
ISSN 0307-2541

No. 42404

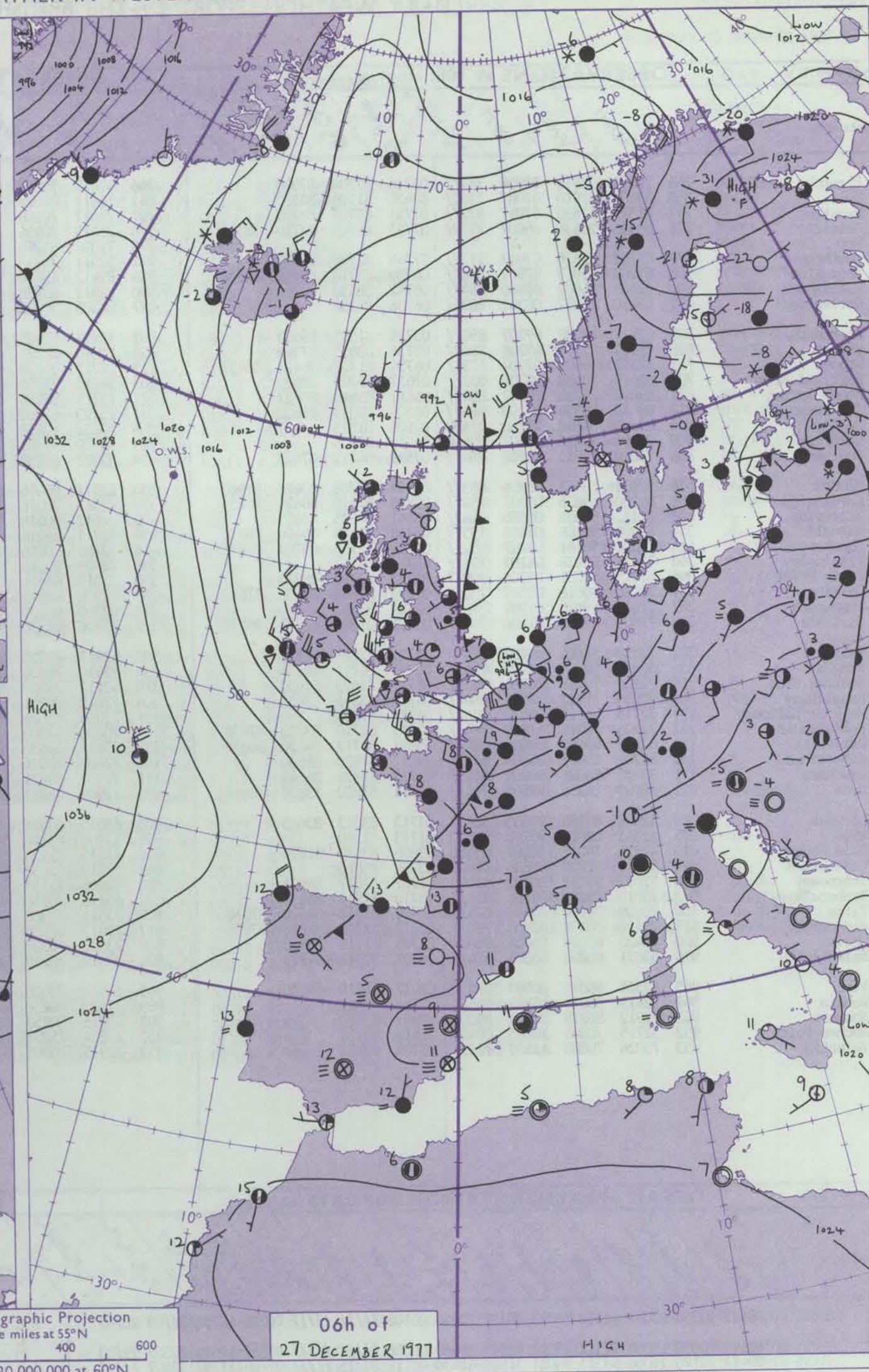
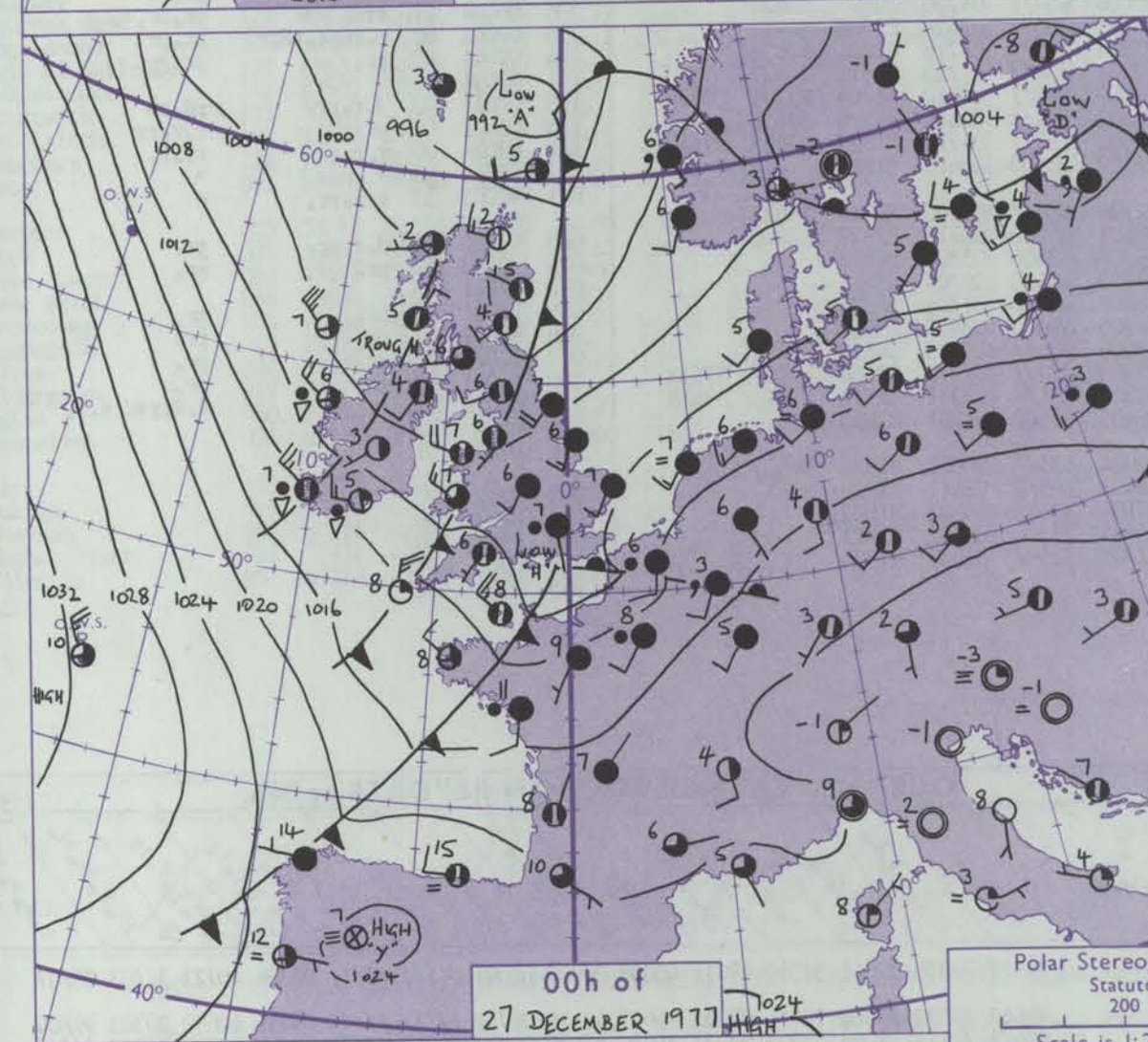
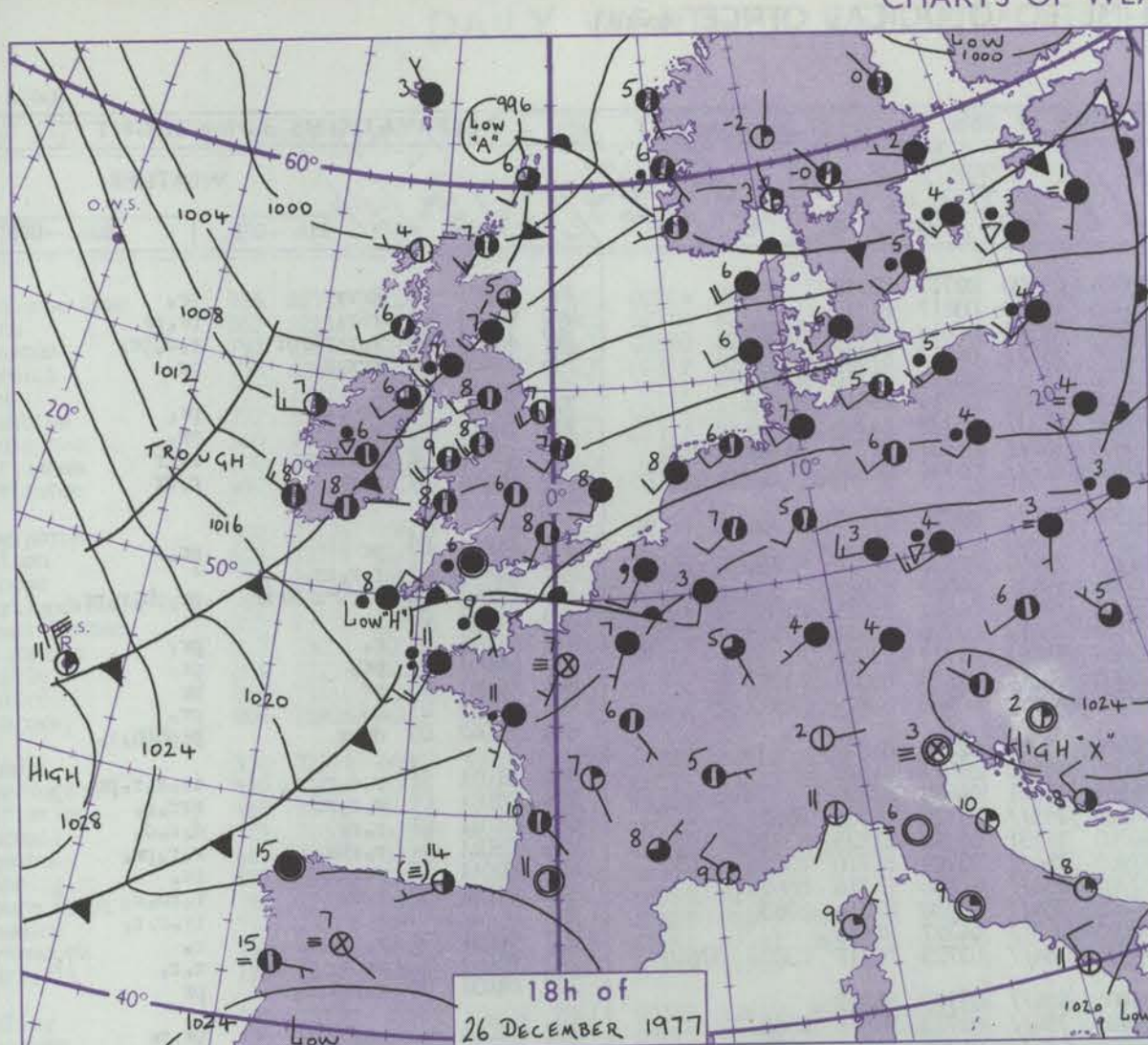
Date of Issue TUESDAY 27 DECEMBER 1977

OBSERVATIONS at 12h. 26 December 1977												OBSERVATIONS at 18h. 26 December 1977												OBSERVATIONS during DAY																		
Station	iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s		iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s		iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s		iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s		WEATHER	
																																									09h.—15h.	15h.—21h.
Boscombe Down	746	32005	09414	21208	26002	08816	82701				746	81906	30104	15107	6623/	07730	82703	85707	88359		746	03091	017	Fffif														r _e r				
Hurn	862	22502	57054	21710	18542	09715	81820				862	81905	60601	15509	852//	08729	83705	88629		862	03111	029	if															r _e rR				
Manston	797	72212	78022	21209	783//	08816	83708	87650			797	71908	70022	16108	754//	07826	83612	87647		797	00091	000	+															+				
Gatwick	776	72208	66022	21609	753//	08712	82706	86707	87650		776	72104	58022	15806	25432	06727	81712	86362	87075		776	01091	009	+														r _e r _e r				
Kew	775	72207	65031	21208	764//	07814	87712				775	71905	75021	15507	756//	06727	87640			775	96091	022	+														r _e r					
Heathrow	772	72004	62021	21408	45332	07714	83707	85072			772	72006	70011	15608	7093/	07727	87358			772	01101	017	+														r _e r					
Honington	586	72112	80028	19608	28502	05814	81820	87075			586	72009	65032	14807	757//	06725	87650			586	00091	019	+													+						
Wattisham	590	62213	65011	20108	28302	06814	81809	86075			590	72007	60032	15107	756//	06726	87644			590	00081	024	+													+						
Corlestone	497	72310	66021	19908	755//	05716	87625				497	81910	66022	15108	855//	06722	88625			497		025																				
Aberporth	502	72214	68258	19208	58402	07816	83812	87070			502	72114	65258	12208	784//	07736	83812	87640		502	01091	001	pr _e														pr _e					
Filton	628	62306	65031	20809	45402	06816	82710	83620	85078		628	82002	60602	14507	854//	05731	82615	88642		628	96091	016	+														r _e rr _e r _e					
Rhoose	715	72007	82028	21208	78331	07812	81707	87634			715	80000	66602	14307	5542/	06730	81710	85634	88458		715	01091	001	pr _e													r _e r _e					
Hartland Point	703	72409	78022	21008	5537/	07812	84707	85625	87360		703	82010	66616	14007	853//	07834	85709	88631		703	03082	000																				
Mount Batten	827	70702	10404	22206	1567/	06809	81640	87359			827	80903	50616	13808	7542/	07741	82715	86625	88550		827	07081	004	ff													r _e rRr _e					
St. Mawgan	817	72009	50404	22007	28072	07810	81700	87460			817	80602	45636	14207	853//	07736	81708	83614	88641		817	06081	003	r _e r _e													r _e r _e rr					
Scilly	804	72603	82022	21410	5247/	08816	35818	87460			804	80308	60636	14308	6732/	07731	86709	88558		804	07102	000	ir _e rr														rr					
Culdrose	809	80000	56104	22308	883//	08810	82708	88620			809	80306	32636	13608	870//	08741	81700	83706	85710		809	03092	000	ir _e													r _e r _e rr _e r _e					
Guernsey	894	70110	70026	22209	752//	09807	86703	87615			894	81606	56616	15609	872//	08736	86703	88610		894	07112	000	F													r _e r _e rrdr						
Elmdon	534	72211	60605	19308	754//	06815	82710	86640			534	72007	59048	13506	15338	05827	81708	87270		534	94081	007	d _e r _e ir _e pr _e														r _e					
Cardington	559	72910	70022	20209	48632	07816	82830	83640	87075		559	72007	70022	14807	756//	06728	87640			559	00101	030	+													+						
Wittering	462	52414	72021	19409	11432	06814	81818	85075			462	62008	62012	13806	10932	05728	81360	86075		462	00091	031	+													+						
Watnall	354	72110	57042	18408	56332	06813	85707	87078			354	82206	56636	12907	862//	07726	86703	88710		354	01091	006	+													r _e r						
Shawbury	414	72310	80028	18509	38402	07815	81818	83630	86072		414	41908	70018	11807	28402	05831	81817	84075		414	93101	015	r _e														r _e rr _e pr _e					
Finningley	360	72208	65022	17109	28532	06813	82820	87075			360	71706	58602	11107	60972	06830	86360	87072		360	97091	016	+													r _e						
Spurn Point	396	62311	62021	17408	15571	06715	81625	83360	86075		396	72112	58052	12007	756//	05729	87640			396				+												+						
Leeming	257	72210	81036	15508	755/1	04815	87625				257	71512	80032	09308	754//	05725	86614	87630		257	97091	000	+													d _e -r _e						
Tynemouth	262	62007	61031	14507	45648	04714	84635				262	82012	66028	07708	20937	02740	82358	88275		262	97091	006	+													pr _e						
Carlisle	222	72609	65258	13608	783//	07820	82708	83817	86638		222	72510	65258	06908	784//	07737	82712	84820	87632		222	03081	001	pr _e pr _e R													pr _e pr _e pr _e ir _e					
Valley	302	72217	80022	16909	55432	08716	82710	84645	86075		302	72222	75212	09309	753//	08737	81709	85712	87640		302	97101	004	+													r _e					
Kingway	334	72010	72021	17607	58502	06719	81825	85640	87075		334	71912	70038	11407	756//	06731	87640			334	97091	023	+													pr _e						
Squires Gate	318	72414	75038																																							

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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 SYNOPSIS DEVELOPMENT.

A shallow wave depression moved northeast up the English Channel bringing rain to southern districts, mainly during the evening and night, while troughs moving southeast, in association with a depression moving from west of Iceland to near Shetland, brought a colder northwesterly airstream to northern and western Britain. The cold showery

northwesterly flow is expected to become established over the whole country during the next 24 hours as the low pressure centre over the eastern Channel and that near Shetland move northeast to southern Scandinavia, with high pressure persisting north of the Azores.

Issued at midday TUESDAY 27 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h. 27 December 1977										OBSERVATIONS at 06h. 27 December 1977										OBSERVATIONS during NIGHT					
Station		iii	Nddff	VVwwW	PPPTT	N _h C _L hC _M h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	Nddff	VVwwW	PPPTT	N _h C _L hC _M h	T _d T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	iii	RRRT _n T _n E	T _g T _g	WEATHER				
																							21h.—03h.	03h.—09h.			
Boscombe Down		746	70102	58616	06906	752//	05744	82704	87640		746	42617	70806	03504	48400	02717	81710				746	06031	01	Rrrrr _c		pr _c	
Hurn		862	83408	62616	07007	1732//	07638	81706	88533		862	12411	81028	04705	18400	03817	81818				862	05041	02	rRr _c		pr _c pr	
Manston		797	81513	57636	07907	872//	07751	83705	88709		797	72611	70206	01306	783//	05014	81709	87635			797	10041	02	r _c rrrRrdr		r _c d _c pr _c	
Gatwick		776	80306	26636	06607	7722//	07755	86703	87710	88514	776	72513	70256	02905	757//	04612	87650				776	10031	01	rrr _c R		pr _c	
Kew											775	72308	65256	01906	764//	04720	81710	87715									
Heathrow		772	81702	56636	07607	2732//	07744	82707	88557		772	52511	75258	02206	55400	04716	83616	83640			775	07041	51	rrRr _c		pr _c	
Honington		586	81907	45612	07607	854//	06739	83710	85635	88650	586	82412	45636	09606	873//	05735	84706	88710			772	06041	01	r _c r _c rr		pr _c	
Wattisham		590	81808	56602	07606	857//	05742	88650			590	82512	60026	09805	852//	05731	81703	86709	88620		586	03041	02	ir _c r _c rr		r _c rr	
Gorleston		497	82010	66032	08307	8095//	06736	88358			497	82505	58026	099107	8072//	05741	88550				590	04041	02	r _c rr		r _c rr	
Aberporth		502	62917	83028	07207	684//	03716	81815	85630		502	72927	82028	02504	724//	02726	87815				502	02041	03	pr		pr _c	
Filton		628	72104	62216	07306	3563//	05736	83635	87360		628	12610	70021	02804	18400	02725	81818				628	02041	01	r _c r _c rr _c		+	
Rhoose		715	82511	64606	07307	6831//	06734	81707	86628	88459	715	22715	65158	02705	29400	02731	82816	81918			715	01041	02	r _c r _c -r _c Rr _c ir _c		pr _c ph _c r _c pr _c	
Hartland Point		703	83010	78808	08308	852//	07627	85703	88630		703	53218	83258	04506	59431	04625	85918				703	95061	03				
Mount Batten		827	83010	75036	10107	854//	06611	85618	88627		827	72715	80258	07006	735//	04622	83925	84635			827	02051	04	r _c		pr _c	
St.Mawgan		817	83019	75256	11008	884//	03509	82818	88622		817	73123	62808	07106	784//	03726	84814	87620			817	96051	04	pr _c		pr _c	
Scilly		804	23625	81018	12708	11430	02605	81815			804	53632	82258	10407	59462	02717	82916	83818			804	01061	03	pr		pr	
Culdrose		809	73014	70016	11607	75600	04710	87635			809	73020	75801	08705	62530	02623	86824	83362			809	93042	03	id _c		pr _c	
Guernsey		894	73026	75016	10408	784//	07518	84812	87625		894	52927	65258	09206	49503	03608	83820	81922			894	05042	03	drrr		prph _c r _c	
Elmdon		534	82011	58042	06206	6632//	05837	85708	83628	88462	534	22512	80016	00504	28500	02724	81822				534	91031	51	r _c d _c r _c ir _c		ir _c r _c r _c pr _c	
Cardington		559	82208	65636	07407	7547//	07836	81618	86626	88459	559	12511	70216	00605	18500	05627	81820				559	02031	01	r _c r _c rr		rrr _c r _c	
Wittering		462	82112	59602	06506	4562//	06841	84635	88459		462	32612	80216	09505	35601	04630	83630				462	01031	01	r _c r _c		d _c r _c d _c	
Watnall		354	81909	58106	05606	15577	05738	81625	84464	88270	354	72711	65216	09504	753//	03724	85706	86612			354	03011	51	r _c rRr _c		r _c r _c pr _c	
Shawbury		414	82408	58601	05107	852//	06729	82703	85706	88615	414	32506	80016	00103	18531	01724	81825	83359			414	02011	53	rrr _c r		pr _c	
Finningley		360	71911	62036	04107	758//	05740	87657			360	72809	80216	09705	754//	03729	81710	83620	87650		360	01031	00	r _c rR		r _c rd _c r _c	
Spurn Point		396	81915	62031	05506	30977	05733	83360	88275		396	82515	66616	09705	854//	04736	86714	88625			396			+		ir _c r _c r _c	
Leeming		257	72010	80016	02507	754//	05732	82614	84630	87650	257	72906	82026	09605	784//	03830	81814	87630			257	96031	01	r _c		r _c	
Tynemouth		262	72008	69028	01907	756//	06728	87635			262	82708	69028	09605	8091//	04727	88459				262	01041	02	pr		r _c r _c	
Carlisle		222	72608	65218	01906	785//	05721	81822	83627	86638	222	72706	65038	09604	784//	03723	83711	83820	87640		222	01031	00	r _c r _c rpr _c		pr	
Valley		302	72819	80026	04607	784//	03721	83818	87627		302	62917	75028	09805	624//	03723	86812				302	02051	03	pr _c		pr _c pr	
Ringway		334	82013	56636	04207	854//	06735	84712	88624		334	72410	70036	09404	784//	02723	84814	86640			334	05031	01	rrR		pr _c pr _c s _c	
Squires Gate		318	72206	70218	03806	755//	06622	83620	87650		318	62712	70258	09806	634//	04726	82915	85820			318	07041	02	r _c rRpr _c pr _c		pr _c pr	
Ronaldsway		204	72614	82018	03007	784//	04722	83816	87650		204	72812	70251	098305	793//	02624	81708	84916			204	02041	03	pr _c		pr _c pr	
Mull of Galloway		131	72715	84025	02506	756//	05725	87630			131	72916	83026	097804	785//	03726	82820	87630			131	01031					
Eskdalemuir		162	72404	70216	01704	784//	03713	82710	83820	87630	162	70000	57506	097101	754//	01723	82712	87627			162	03011	52	d _c r _c pr _c		rrd _c rs	
Prestwick		135	62606	65028	00806	684//	05821	81712	84820	86634	135	83610	56636	097203	872//	03610	81704	83706	88710		135	04021	01	pr _c		r _c r _c rr	
Abbotsinch		140	62702	65606	00804																						

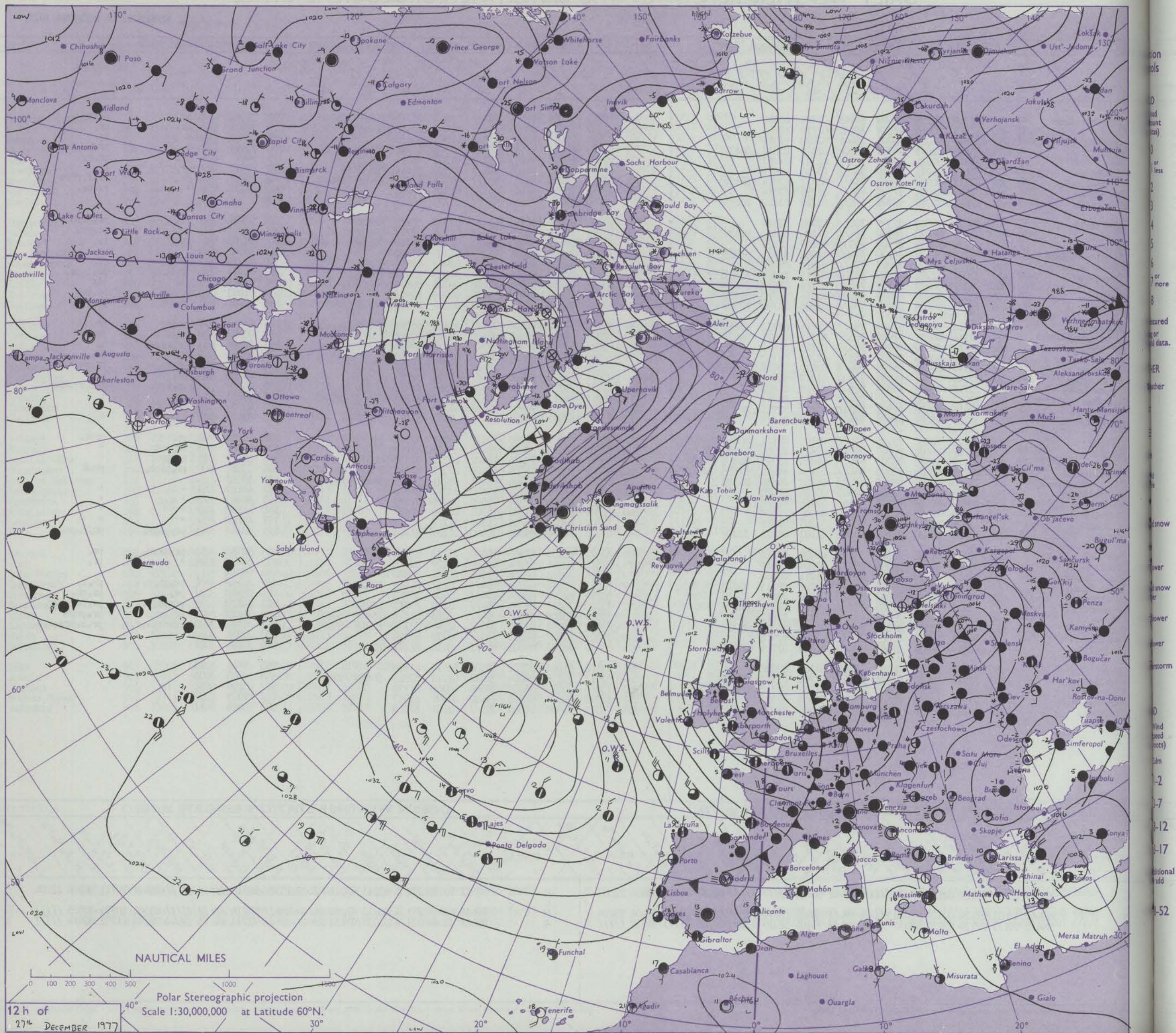
ISSN 0307-2541

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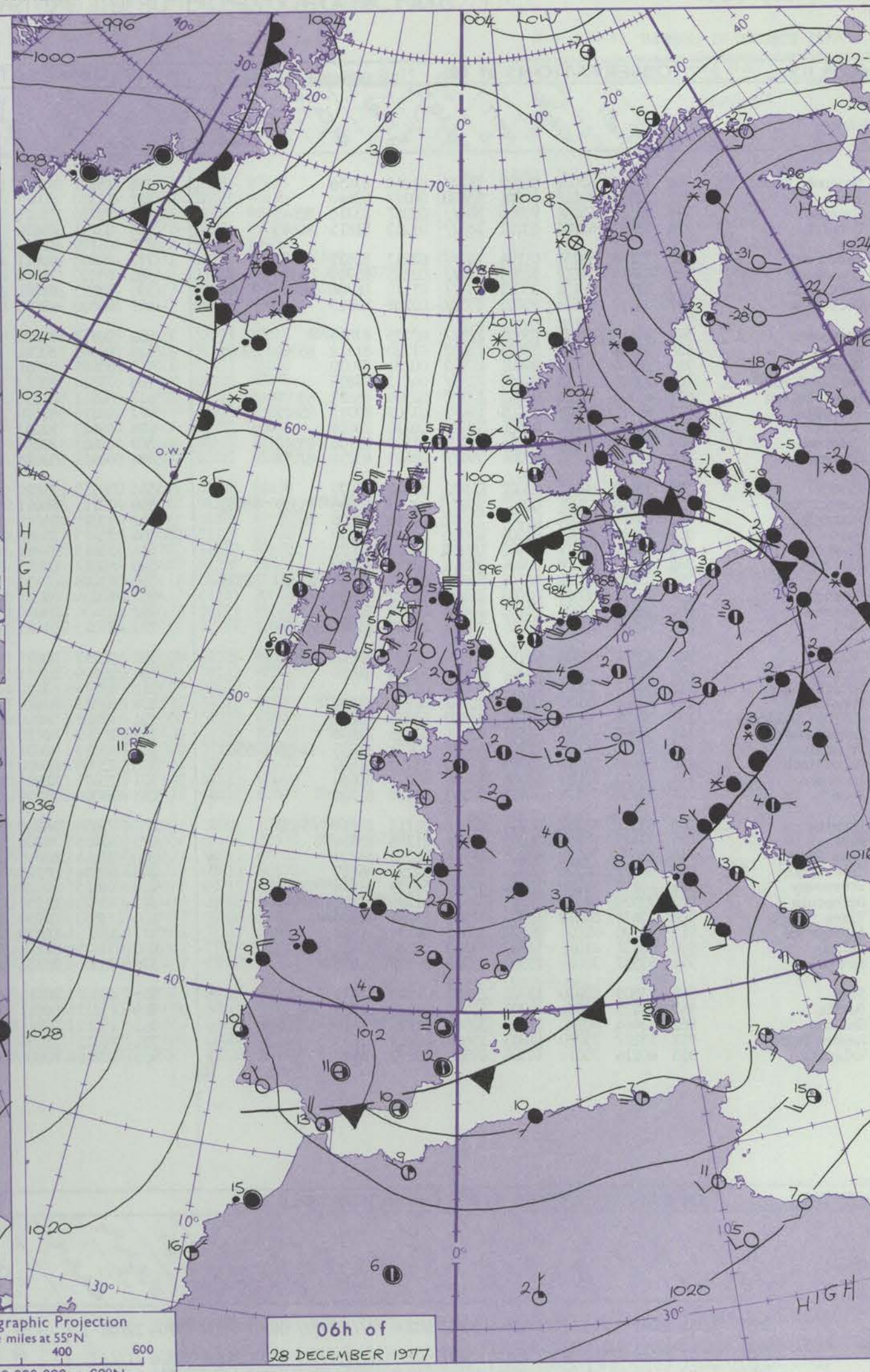
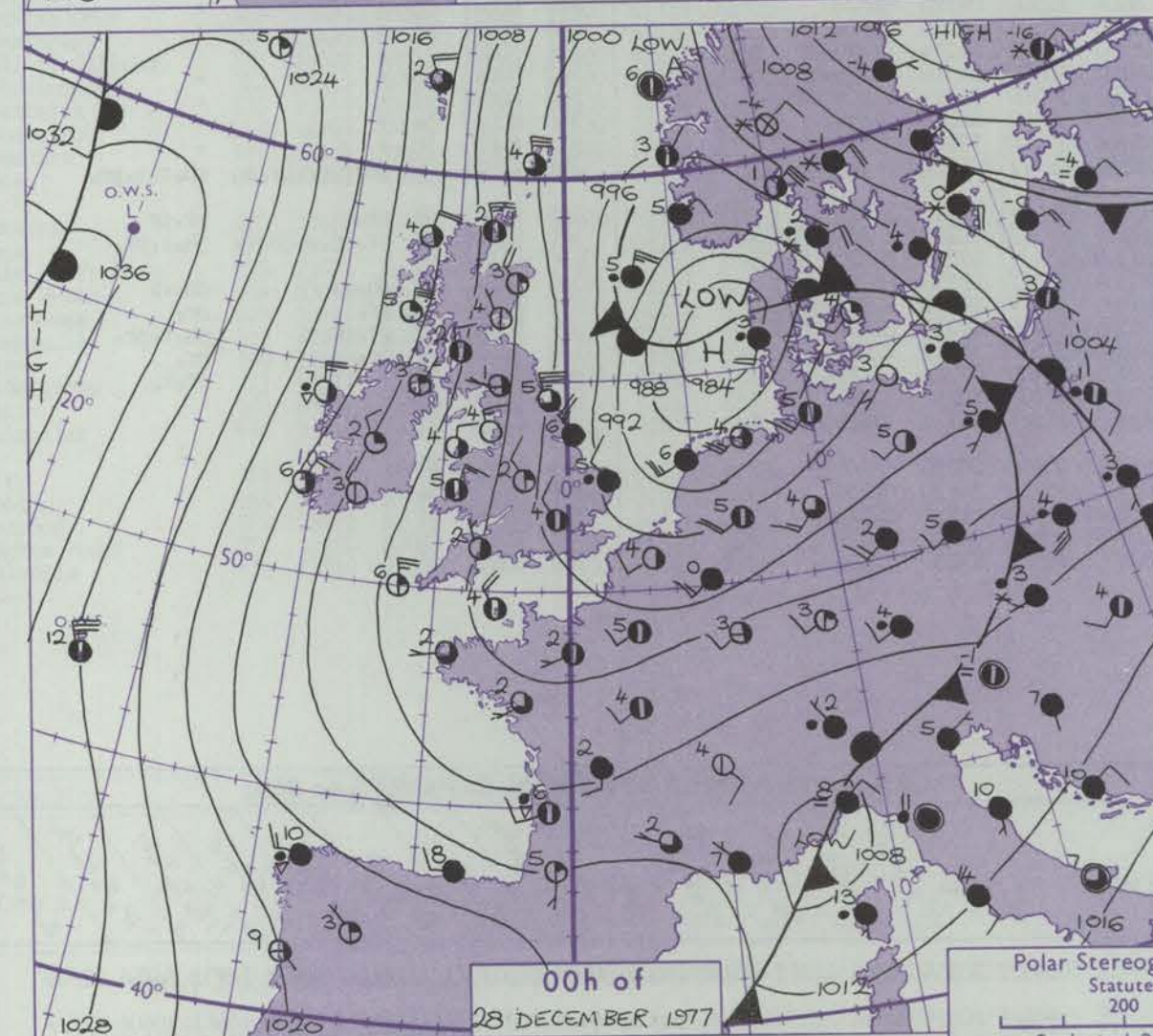
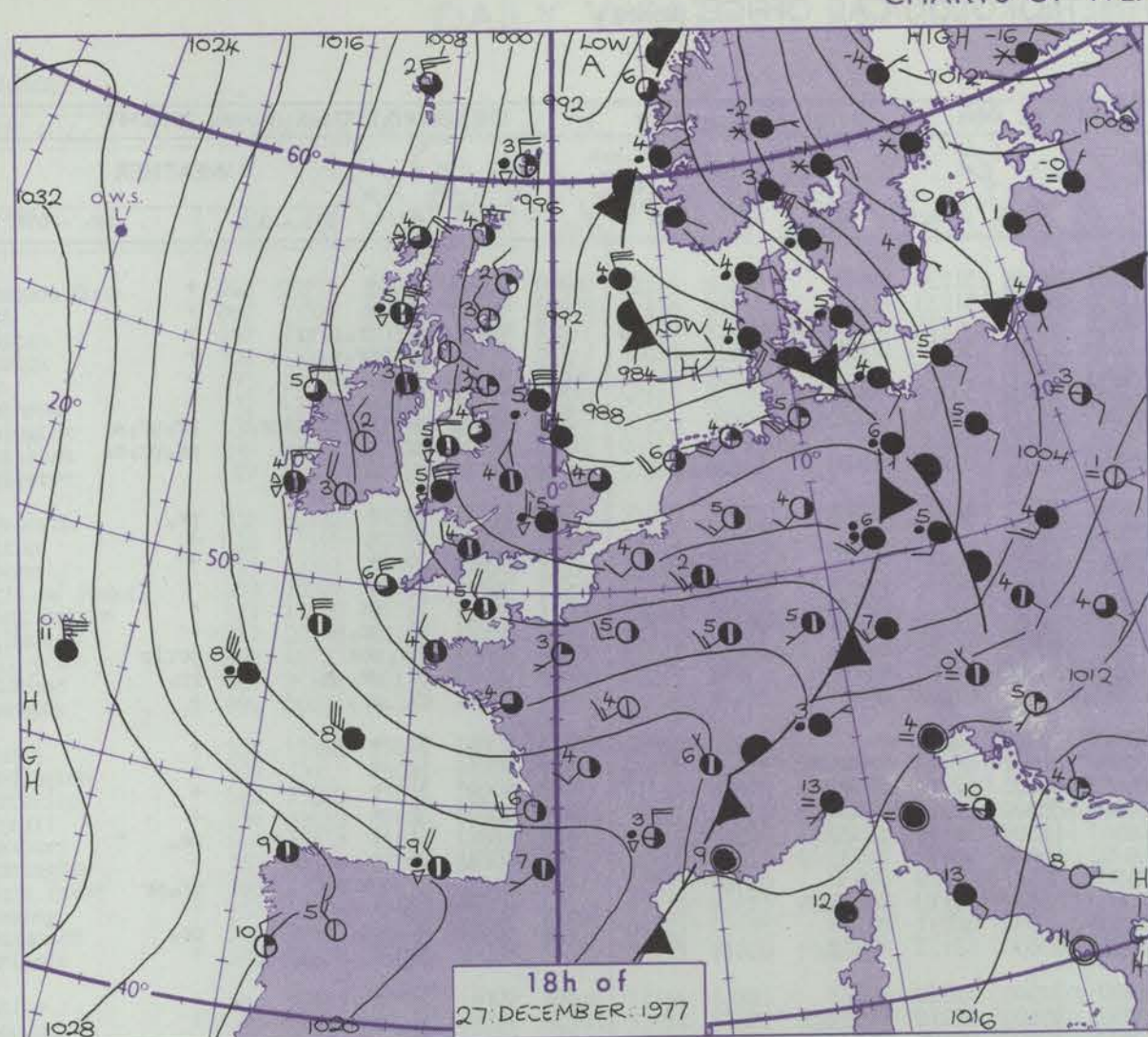
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All times of observation printed in this publication are GREENWICH MEAN TIME.

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

During the past 24 hours a slow-moving low between Shetland and Norway filled, whilst a frontal wave depression deepened as it moved northeastwards over the southern North Sea. The large anticyclone in mid-Atlantic was stationary but a ridge northwards moved east across Iceland, strengthening the northerly airstream over the British Isles. During

the next 24 hours the low over the eastern North Sea will fill as it moves into Germany, whilst a frontal trough, associated with a deepening low moving northeast to the north of Iceland, moves southeast to northwest Scotland. The high in mid-Atlantic will remain slow-moving.

Issued at midday WEDNESDAY 28 DECEMBER 1977

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

OBSERVATIONS at 00h. 28 December 1977										OBSERVATIONS at 06h. 28 December 1977										OBSERVATIONS during NIGHT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _M CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwwW	PPPTT	N _h Ch _M CH	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RR _T T _E	T _g T _g	WEATHER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

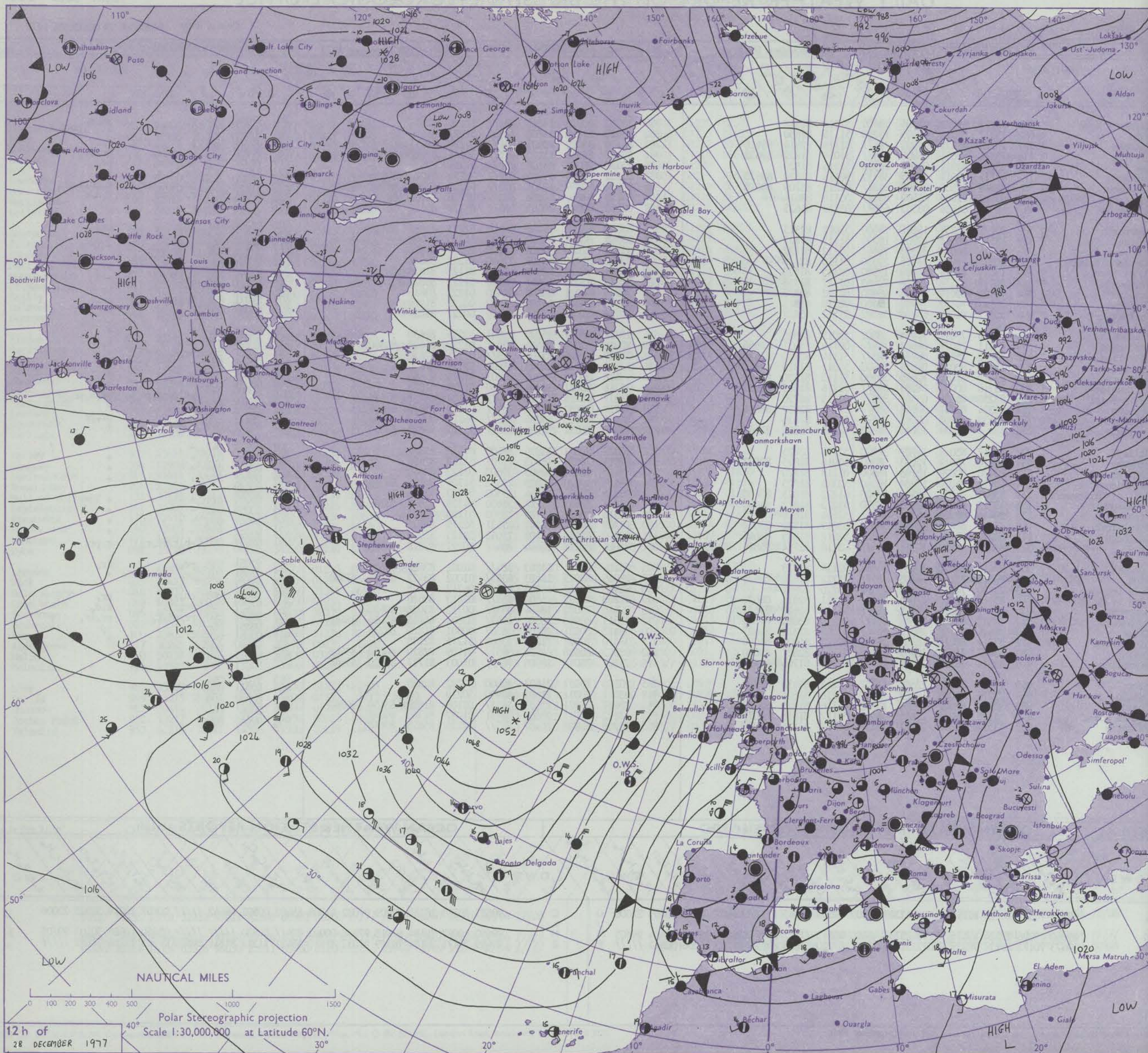
ISSN 0307-2541

Date of Issue THURSDAY 29 DECEMBER 1977

No. 42406

No.	42406																								
OBSERVATIONS at 12h. 28 December 1977										OBSERVATIONS at 18h. 28 December 1977										OBSERVATIONS during DAY					
Code FM II.V										Code FM II.V										Code FM II.V					
Station	iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	Nddff	VVwww	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	iii	RRR	T _e	SSS	WEATHER		
																							09h.—15h.	15h.—21h.	
Boscombe Down	746	23213	82020	11404	28400	51213	81818			746	73313	80028	15903	755//	51229	87625			746	97051	064	+		pr _c se	
Hurn	862	13317	81020	11905	15730	51116	81650			862	23410	82010	15704	15730	51227	81656			862	00051	071	+		+	
Manston	797	73120	81021	06505	784//	01119	82814		86616	797	83118	75022	10905	854//	02226	88611			797	97051	024	+		re	
Gatwick	776	73316	80031	08804	785//	51014	81822	87632		776	73210	65268	13104	755//	50325	87622			776	91051	033	pr _c pr _c se		pr _c se	
Kew	775	23109	82011	09304	28530	52116	81820			775	73210	70028	13105	756//	51224	87632			775	91051	011	pr _c pr _c se		pr _c	
Heathrow	772	43115	80011	09505	38532	50116	81820	83628		772	63112	70018	13604	655//	00224	81620	86628		772	92051	017	pr _c pr _c se		+	
Honington	586	82918	72608	06303	853//	01215	85709	88614		586	83014	62267	11104	873//	03228	83706	86708	88710	586	94041	000	pr _c se _c re _c re _c		re _c pr _c se _c pr _c	
Wattisham	590	83022	72606	06003	854//	00116	88614			590	83118	57616	10803	873//	02230	82706	88708		590	93041	002	re		re _c de _c r	
Gorleston	497	62916	64016	03505	655//	03216	86625			497	63312	60026	10005	655//	04239	86620			497		002				
Aberporth	502	30122	66251	15206	38400	51012	82815			502	63618	80158	18905	68400	52223	82815	86630		502	92061	041	pr _c		pr _c	
Filton	628	13510	80011	12905	18530	51115	81825			628	13105	80011	16903	15600	51226	81640			628	00051	053	+		+	
Rhoose	715	13316	86010	13805	18541	53112	81822			715	12202	82020	17702	18500	52227	81820			715	00051	069	+		+	
Hartland Point	703	20224	88021	14806	22530	01118	82825			703	33615	80010	18106	31640	01222	83831			703	00060	055				
Mount Batten	827	13609	84021	14606	18500	02115	81820			827	13610	70020	18005	18500	01125	81820			827	00073	055	+		+	
St. Mawgan	817	20117	82158	15506	29463	01117	81916			817	50212	82038	18805	58500	01219	85826			817	97071	037	pr _c		+	
Scilly	804	40123	80019	17108	48400	02122	83818			804	30219	80011	20107	32400	01222	83818			804	94082	032	pr		pr	
Culdrose	809	30113	70151	15906	38400	02219	81913			809	33610	68018	19204	39400	00122	81914			809	91071	031	pr _c		pr _c	
Guernsey	894	50217	84032	13006	52502	01222	85828			894	60114	82031	16905	68500	00227	85827			894	00061	038	+		+	
Elmdon	534	13316	75011	10904	18502	53015	81825			534	23112	75011	15203	15641	53225	81630			534	00051	037	+		+	
Cardington	559	73011	75031	08903	756//	00114	85635	87656		559	83010	62038	13404	855//	01230	86627	88640		559	97051	010	pr _c		re	
Wittering	462	73322	75831	08204	785//	51114	83820	87626		462	73317	75028	13104	755//	01331	87620			462	97051	014	pr _c se		+	
Watnall	354	33115	80030	09504	39403	51011	81915	83640		354	13110	66021	14203	15600	51127	81630			354	00051	039	+		+	
Shawbury	414	33419	81038	12505	38500	51113	81820	83645		414	13416	80020	16204	15701	51119	81650			414	00051	046	+		+	
Finningley	360	63316	80021	08505	684//	52216	81815	86622		360	23218	80021	13204	28400	51228	81815			360	00051	008	+		+	
Spurn Point	396	83230	60838	05505	865//	03215	88720			396	73219	61258	11805	754//	04242	85715	87625		396			pr _c pr _c se _c pr _c se		pr _c se _c pr _c pr	
Leeming	257	63324	82032	09605	685//	51122	82822	86635		257	73219	70032	14304	784//	01223	85818	87630		257	00051	003	+		+	
Tynemouth	262	73430	56808	08605	756//	01223	87635			262	83221	69028	14205	855//	04229	88623			262	96051	000	pr _c		pr _c pr	
Carlisle	222	53408	81031	13004	58502	52115	81820	85645		222	73408	75032	16904	755//	51222	83625	87634		222	00051	019	+		+	
Valley	302	33517	83021	15707	38500	52116	83825			302	33517	81021	18906	38600	01326	81832			302	00071	047	+		+	
Ringway	334	33114	70011	12203	38500	52014	81825	83630		334	33011	75021	16303	25701	51223	82650			334	00051	035	+		+	
Squires Gate	318	13420	80020	13105	18500	01118	81820			318	33414	80011	16905	35600	01223	83640			318	00061	059	+		+	
Ronaldsway	204	13420	84020	15806	18540	53320	81825			204	43515	84030	18905	28532	51325	81822	83360		204	00061	057	+		+	
Mull of Galloway	131	33620	84031	16405	38500	01222	81825	83630		131	23624	82011	18904	25500	51223	82625			131	00050					
Eskdalemuir	162	43223	81030	12903	48500	55223	81822	84640		162	43311	82011	17102	25630	54329	82640	83362		162	00031	019	+		+	
Prestwick	135	33414	83021	15704	38531	52114	81826			135	13313	70011	19103	18500	51122	81825			135	00051	042	+		+	
Abbotsinch	140	42109	88030	15905	38530	53219	81825	83640		140	13209	84011	18702	15631	52215	81635			140	00061	036	+		+	
Leuchars	171	53220	89021	12105	48540	52012	81825	83645		171	33010	84011	17103	25642	52125	82640			171	00061	035	+		+	
Dyce	091	83225	62808	10705	884//	03118	82714	85816	88622	091	73016	80258	15604	784//	00227	82818	86645		091	02051	000	ph _c re _c rr _c re _c		re _c pr _c	
Lerwick	005	33618	65028	10105	38400	02124	81815			005	73106	80031	11503	784//	01001	83815	86625		005	92051	018	pr _c		ir _c	
Wick	075	73421	75158	14305	785//	01222	82820	83635	86650	075	73015	80022	16103	6553//	01002	83622	85635	87360	075	97051	001	pr _c		+	
Sule Skerry	010	73430	74012	16806	755//	05220	87625			010	82908	82022	16105	855//	04712	88625			010	01061					
Cape Wrath	049	83618	80038	17804	884//	01221	82815	88620		049	82708	82022	16504												

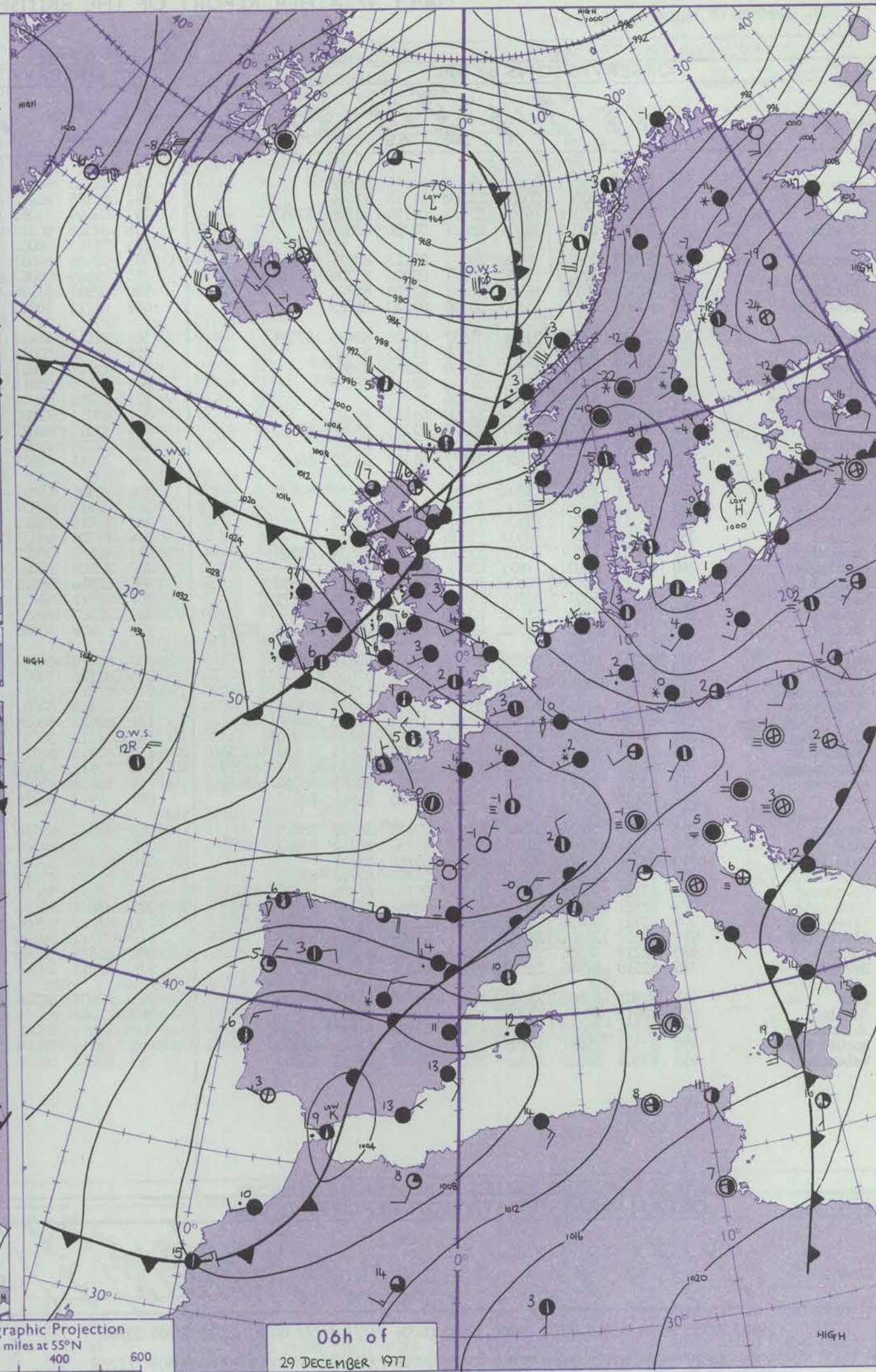
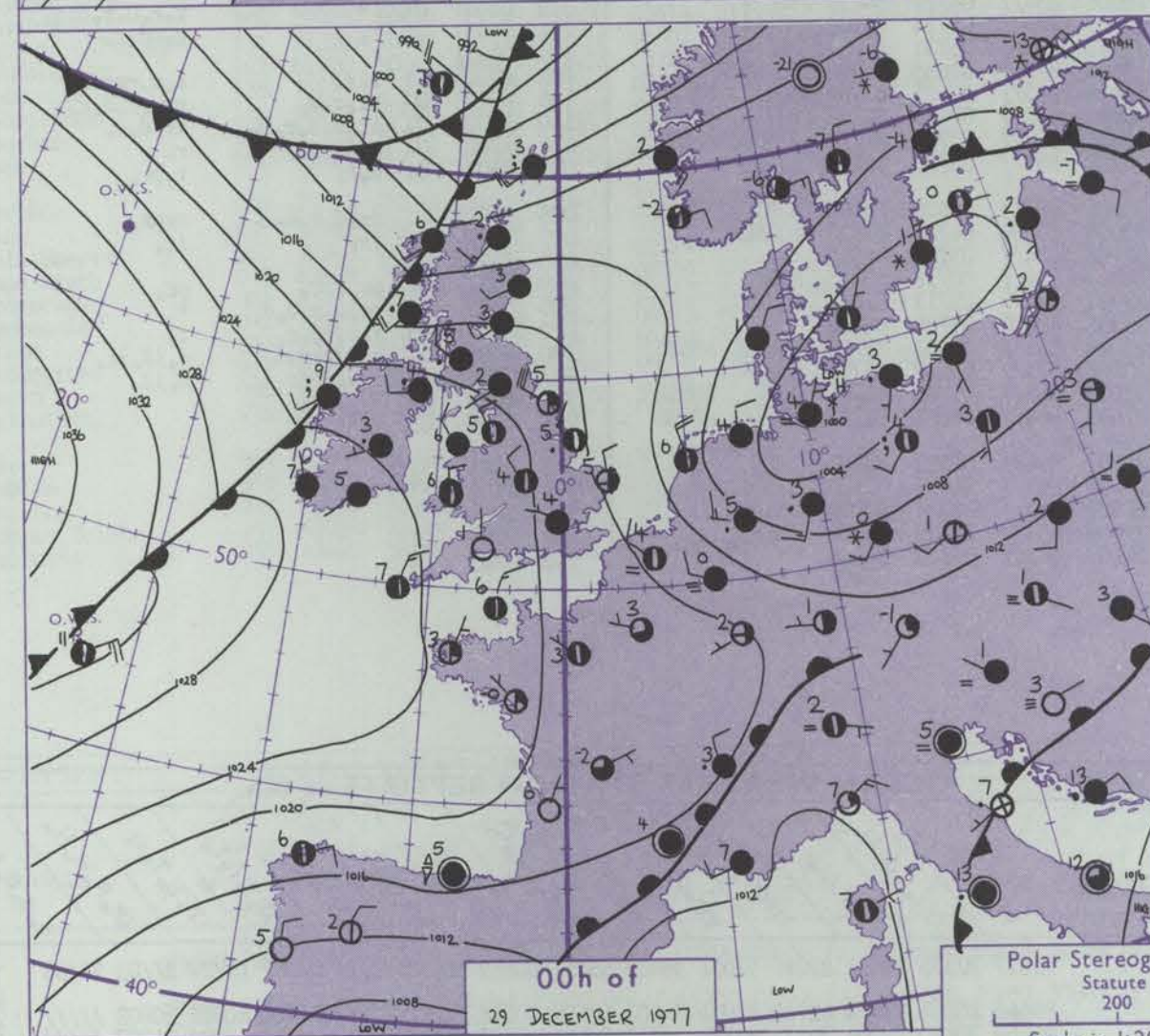
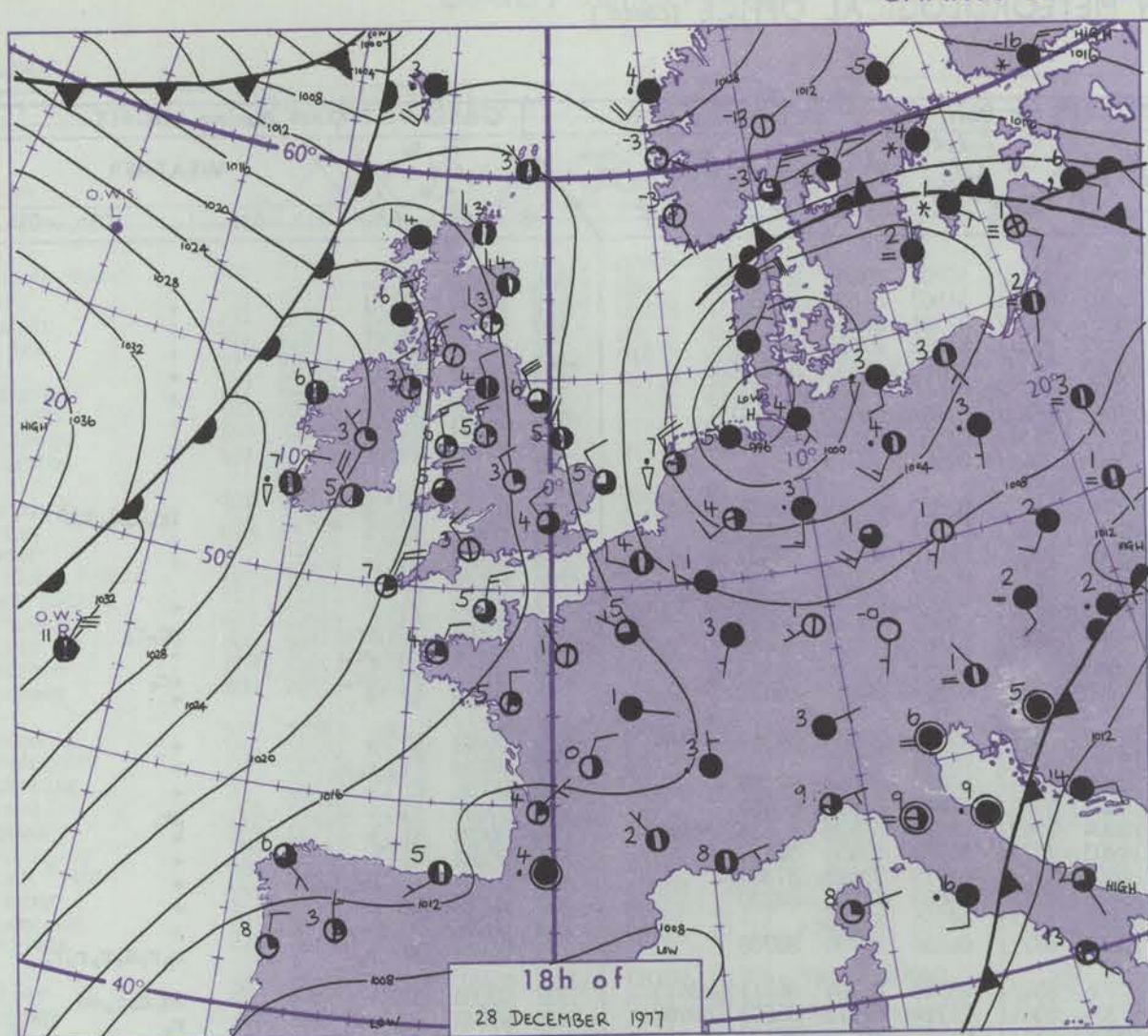
CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



12 h of
28 DECEMBER 1977

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

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.

During the past 24 hours the depression over the eastern North Sea moved slowly east and filled. A ridge of high pressure moved southeast across the British Isles. A deep low in the Denmark Strait moved steadily northeast, while the associated frontal troughs

reached Scotland and Ireland. The deep low near Iceland is expected to turn southeast and move steadily towards Norway. The associated frontal troughs over Scotland will move southeast into France, leaving the British Isles under a northwesterly airstream.

Issued at midday THURSDAY 29 DECEMBER 1977

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

Code FM II.V		OBSERVATIONS at 00h. 29 December 1977										OBSERVATIONS at 06h. 29 December 1977										OBSERVATIONS during NIGHT					
Station	iii	Nddff	VVwwW	PPPTT	N _h Ch _h 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		iii	Nddff	VVwwW	PPPTT	N _h Ch _h 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		iii	RRT _n T _n E	T _g T _g	WEATHER			
																								21h.—03h.	03h.—09h.		
Boscombe Down	746	23109	81011	20102	25500	51115	82628				746	72708	82021	20701	5573/	50707	85650	87359			746	00503	53	+		+	
Hurn	862	12707	80011	20601	15500	51118	81624				862	42405	80011	21301	15731	51803	81650	83358			862	00511	54	+		+	
Manston	797	73114	75016	16605	753//	03124	82708	87647			797	83009	75032	18304	863//	02301	88708				797	00021	01	+		+	
Gatwick	776	83110	62022	18504	854//	00226	88618				776	72508	60021	19802	754//	51201	87616				776	00501	55	+		+	
Kew											775	72105	70032	19202	35731	50400	83656	85075			775	00501	55	+		+	
Heathrow	772	82905	75031	18904	855//	01123	88621				772	72404	68031	19602	50938	01605	85365	87275			772	00001	53	+		+	
Honington	586	72812	62028	17003	752//	02224	85705	87630			586	82509	58037	17403	856//	01806	88640				586	91021	01	r _c -r _c s _c		+	
Wattisham	590	82912	56106	16502	862//	02226	88704				590	72911	57056	17603	755//	01507	81625	87650			590	91011	00	d _c r _c		+	
Gorleston	497	53508	60016	15505	55500	01223	85625				497	82712	56022	16604	864//	02504	88715				497						
Aberporth	502	73611	83038	21906	3563/	02108	83635	87359			502	82815	65212	20506	5847/	02823	81818	85635	88458			502	01051	03	+		ir _c d _c d _c ddf
Filton	628	13005	81020	21202	15600	51216	81640				628	82608	80031	20502	7567/	00811	87645	88270			628	00000	54	+		+	
Rhoose	715	13105	83010	21602	15600	52212	81640				715	72705	82021	20403	15602	02813	81630	87075			715	00011	55	+		+	
Hartland Point	703	30112	88030	22206	31500	03118	83829				703	73205	80011	22006	785//	03807	87822				703	00050	03				
Mount Batten	827	00105	65020	22501	00900	50212					827	72802	65031	23103	5553/	02806	85626	87360			827	00501	54	+		+	
St. Mawgan	817	10307	86021	23204	12500	01217	81822				817	83011	75028	23706	5557/	02803	85621	88459			817	91021	52	pr _c		pr _c r _c	
Scilly	804	70214	69028	24307	785//	01215	85820	87630			804	83312	80022	24607	1257/	01803	81820	88460			804	91061	03	pr _c		+	
Culdrose	809	10406	65030	23503	18400	00216	81818				809	83105	70038	24004	3852/	03705	81820	88459			809	92021	53	pr _c		ir _c	
Guernsey	894	70113	82022	21105	785//	01217	83822	86630			894	73211	82022	23005	6853/	02106	84822	86632			894	00031	52	+		+	
Elmdon	534	73111	70011	19704	755//	51120	83620	87632			534	82506	65021	18503	3577/	51615	83650	84362	88465			534	00021	52	+		+
Cardington	559	73111	59681	18404	756//	01121	87633				559	82710	60057	18702	856//	01609	88645				559	97011	51	r _c s _c		+	
Wittering	462	73315	75021	18304	754//	01121	87612				462	72610	70022	17602	5577/	50615	85650	87359			462	00021	01	+		+	
Watnall	354	12805	65011	19003	15400	00214	81615				354	82106	63031	16802	6572/	00822	86650	88460			354	97011	53	+		pr _c	
Shawbury	414	63209	80031	20103	35530	50007	83624	85360			414	82510	80022	18004	5562/	01824	81630	85656	88462			414	00021	51	+		+
Finningley	360	82810	81031	17805	854//	00015	88618				360	82208	75022	14903	3577/	51729	83656	88460			360	00031	01	+		+	
Spurn Point	396	73115	58608	16005	754//	04114	85712	87620			396	82514	68026	14804	3557/	01719	83625	87360			396			pr _c ir _c		+	
Leeming	257	62810	80011	18002	15531	53007	81620	86072			257	82711	80022	13205	15537	00835	81622	88270			257	00021	51	+		+	
Tynemouth	262	72812	69028	17102	7097/	51109	87358				262	72517	81022	11804	7097/	02742	87358				262	00021	00	+		+	
Carlisle	222	82504	70031	18602	45677	51805	84640	88272			222	82408	40586	13504	872//	04534	84704	88708			222	01011	53	r _c		r _c r _c d _c r _c r _c r _c	
Valley	302	83210	80031	21206	854//	02003	83617	88632			302	82420	60582	18206	852//	05725	85704	86711	88615			302	03051	02	+		id _c d _c r _c dd
Ringway	334	72404	70031	20302	756//	51209	87630				334	82208	70026	17304	6541/	01724	81615	86625	88460			334	97011	50	+		r _c
Squires Gate	318	73308	70031	19505	7095/	02001	87360				318	82615	70616	16006	854//	04729	84616	88627			318	01041	01	+		r _c r _c d _c r _c d _c r _c	
Ronaldsway	204	82910	82021	20406	885//	02205	81825	88656			204	82618	50582	15506	872//	05724	85703	88704			204	04051	02	r _c		r _c Rd _c r _c	
Mull of Galloway	131	83313	82031	20005	4852/	01801	82820	88460			131	82623	80026	14106	4552/	06731	84625	88460			131	01031					
Eskdalemuir	162	80000	81021	18401	25737	53000	82650	88272			162	82213	30697	12603	872//	01635	85704	88708			162	01005	53	s _c s _c		s _c s _c -r _s d _c d	
Prestwick	135	83011	68601	18405	5557/	01707	81625	83630	85650		135	82812	62216	11408	853//	07625	83706	86711	88615			135	02031	00	ir _c r _c r _c		rrr _c r _c d _c r _c
Abbotsinch	140	82408	70601	17103	3567/	50816	81635	83647	86359		140	72612	65207	09807	5537/	07642	81708	83714	85630			140	92021	01	ir _c r _c s _c r _c r _c		ir _c d _c d _c
Leuchars	171	82411	82031	15003	2557/	52822	82625	86360	88462		171	82418	75037	07804	7547/	03738	81712	83626	86638			171	97021	01	r _c s _c r _c r _c		r _c
Dyce	091	82610	84022																								

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

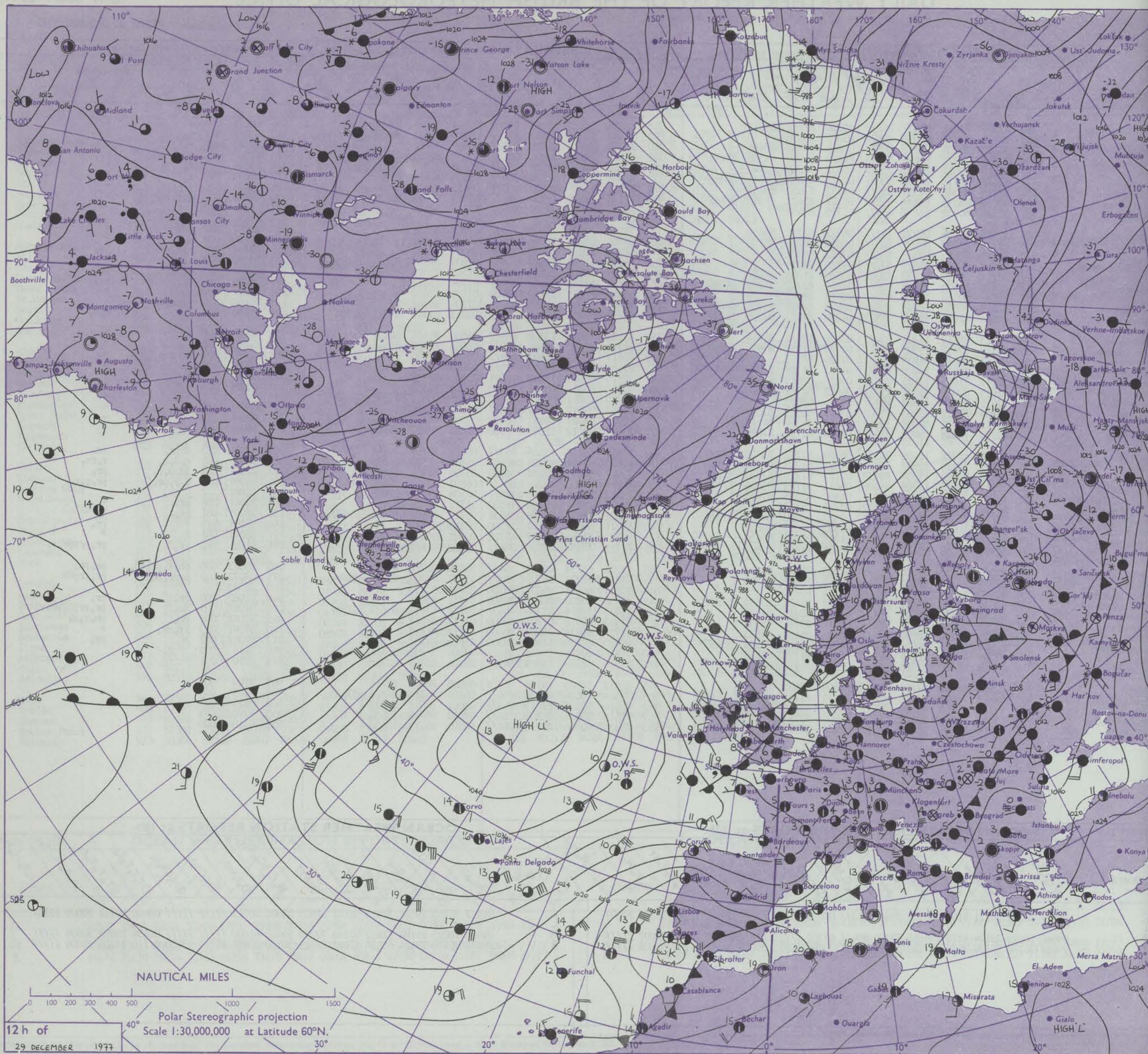
ISSN 0307-2541

Date of Issue FRIDAY 30 DECEMBER 1977

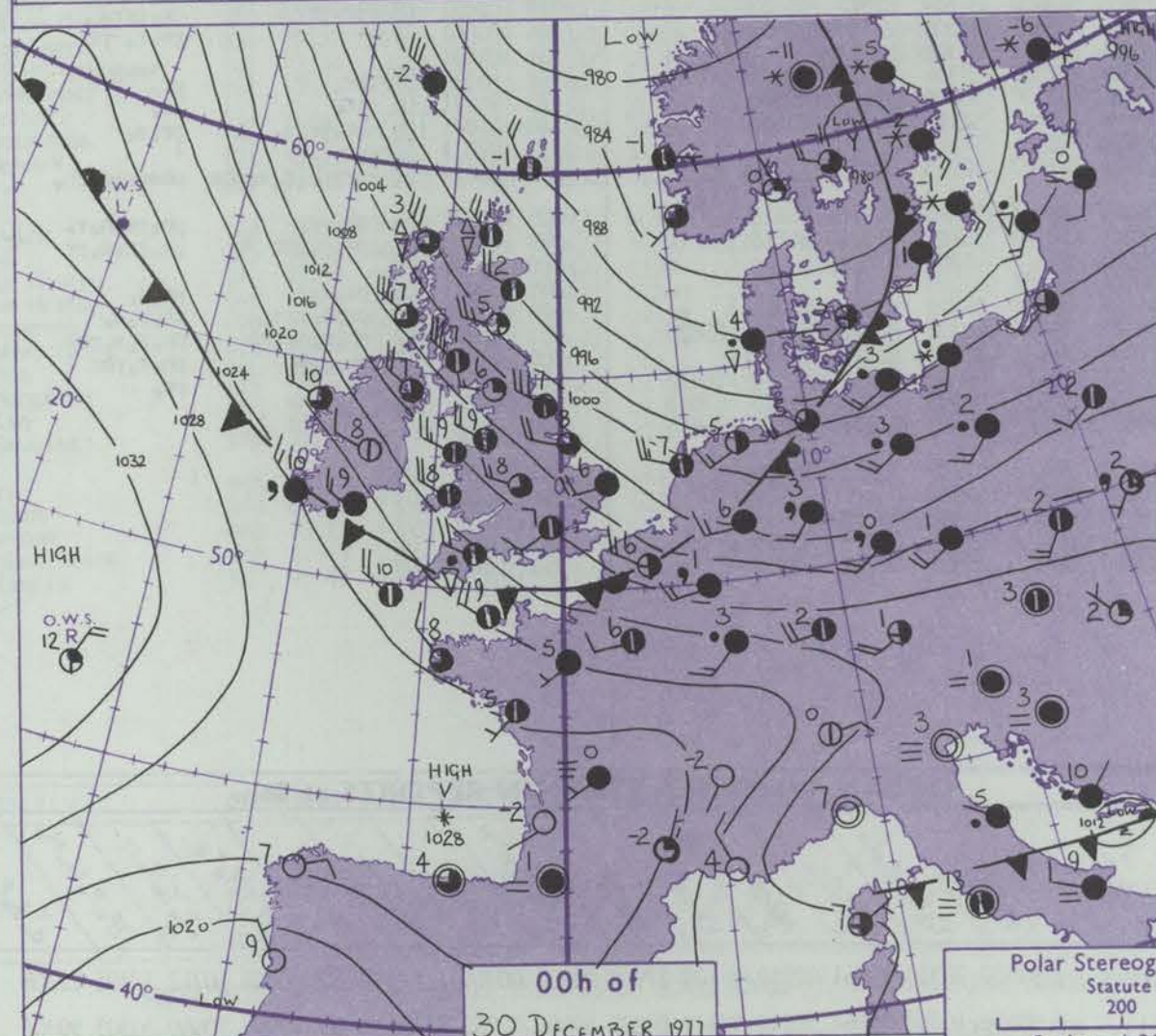
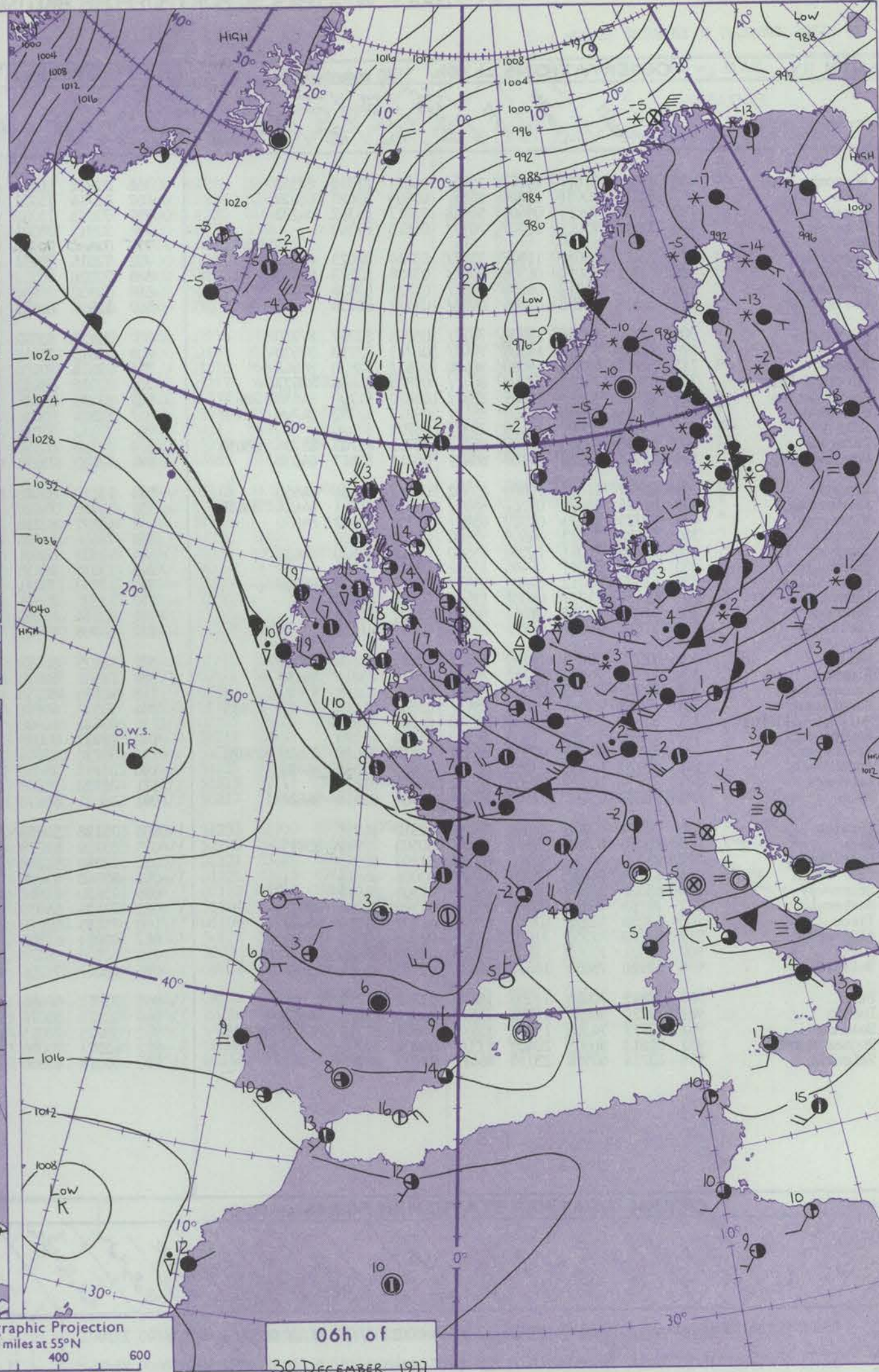
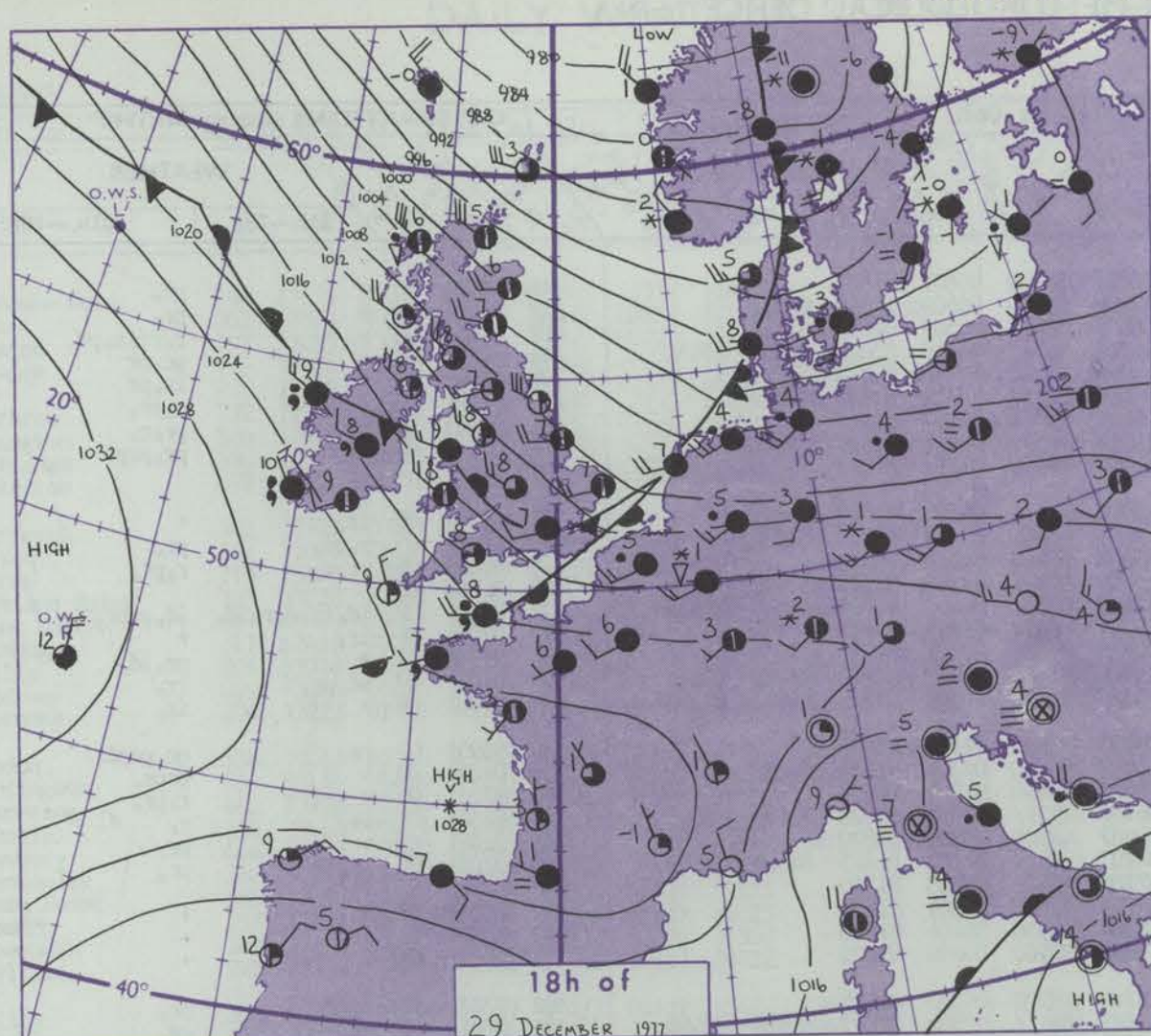
No. 42407

42407		OBSERVATIONS at 12h. 29 December 1977										OBSERVATIONS at 18h. 29 December 1977										OBSERVATIONS during DAY				
Code FM 11.V																										
Station		iii	Nddff	VVwww	PPPTT	N _h Ch _h 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	iii	Nddff	VVwww	PPPTT	N _h Ch _h 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	iii	RRT	T _d	SSS	WEATHER		
																									09h.—15h.	15h.—21h.
Boscombe Down		746	82511	77032	18405	854//	02824	81712	88617		746	62708	70012	15706	25502	05504	82626	85072		746	00071	001	+		+	
Hurn		862	72410	70031	19707	60972	03817	86358		862	72408	65016	16907	755//	06510	85621	86656		862	91081	001	r _c			d _c	
Manston		797	82314	70022	17105	8097/	01818	87362		797	72414	72215	13105	756//	04809	87642		797	97071	000	r _c				d _c r _c -r _c	
Catwick		776	72311	75022	18104	15678	01820	81630	87275	776	72412	65212	14906	754//	05504	82712	87632	776	97061	000	+				r _c	
Kew		775	82410	70022	17206	2562/	01832	82640	88460	775	82309	65025	13908	854//	05608	84715	88620	775	97081	000	d _c				+	
Heathrow		772	82412	70032	17706	5567/	02726	82635	84656	772	82608	70036	14407	854//	06606	82615	88620	772	97071	000	r _c				+	
Honington		586	82215	66602	14304	855//	01832	87622	88657	586	62417	65016	10506	655//	04612	81626	86638	586	97071	000	ir _c r _c d _c				+	
Wattisham		590	82418	65032	15004	5557/	01827	83622	88462	590	72518	70036	11106	755//	04715	82620	87635	590	97061	000	d _c r _c r _c				+	
Gorleston		497	82316	60602	13704	8092/	01729	88458		497	72614	62016	09307	7093/	04715	87358		497		000						
Aberporth		502	72914	65016	18508	753//	06813	82708	87620	502	73017	70021	17308	756//	07708	87631		502	96091	007	ddf				+	
Filton		628	82714	63502	18106	873//	05821	86706	88710	628	42710	62015	15808	45600	04804	83640		628	97080	000	d _c d _c				+	
Rhoose		715	82515	40616	18207	871//	07822	88702		715	42814	81016	16807	35501	05806	83628		715	01081	004	r _c r _c rr _c				ir _c	
Hartland Point		703	82928	56606	20007	872//	07722	88704		703	73012	74026	19109	34431	07804	81810	83630	703	97091	000						
Mount Batten		827	72712	68012	21907	78328	05820	81708	86624	827	63107	80018	19709	68401	07503	81816		827	91091	000	d _c -d _c r _c				pr _c	
St. Mawgan		817	82816	50506	22108	871//	07815	82702	88705	817	33113	82018	20908	38441	07304	82812		817	96091	001	d _c d _c dfrrf				pr _c	
Scilly		804	82818	40515	23209	872//	08813	88703		804	33416	80025	23109	35500	07109	83620		804	92111	004	d _c d _c				+	
Culdrose		809	82813	30505	22807	851//	06814	82702	88612	809	32807	70015	21608	35400	07204	81710	83622	809	94090	000	id _c d _c d _c				+	
Guernsey		894	72816	82022	22908	38572	04810	82822	86075	894	82721	50586	20408	870//	08813	82701	84702	894	93091	005	ir _c				d _c r _c	
Elmdon		534	72513	68012	14706	654/2	03826	82614	86618	534	62916	78016	13208	655//	01004	81624	86632	534	97081	001	r _c				+	
Cardington		559	82416	67032	15505	7572/	03726	81650	87656	559	82714	70032	12808	855//	05802	83623	88648	559	00081	000	+				+	
Wittering		462	82517	68032	14105	854//	02726	88613		462	72817	70031	11807	756//	03303	87630		462	00081	000	+				+	
Watnall		354	72410	66016	13406	66372	04823	85708	87075	354	72611	65022	11707	755//	03000	87624		354	00081	000	+				+	
Shawbury		414	72512	81016	15108	754/2	05816	82613	87616	414	22815	70016	13907	15501	03301	81625		414	97091	000	r _c				+	
Finningley		360	72615	68032	11008	754//	04823	82711	87614	360	32813	70011	09408	35600	03802	83630		360	00091	003	+				+	
Spurn Point		396	82415	62022	10805	856//	03726	88635		396	52720	60011	08307	35570	04805	83625	85360	396			+				+	
Leeming		257	72809	82022	09008	25502	05818	82625	87075	257	62807	75012	08807	656//	02603	86630		257	00091	005	+				+	
Tynemouth		262	42712	69021	08007	10949	05612	81358	84175	262	42818	69021	06407	40930	03709	84359		262	00081	022	+				+	
Carlisle		222	72712	70026	10408	784//	05814	81715	87628	222	52613	70012	08007	58530	02818	82822	84630	222	94081	002	r _c r _c				+	
Valley		302	72918	60216	16409	783//	08709	81708	83812	302	82815	65218	15509	853//	08702	82709	86614	302	94091	023	drpr _c				ir _c	
Ringway		334	72813	58216	13607	762//	07821	81703	86708	334	42813	62016	12408	48501	03808	81822	84635	334	91081	001	r _c d _c r _c				r _c rr _c	
Squires Gate		318	72818	65026	13508	784/8	07711	81710	87630	318	32917	64011	11708	38500	05706	81820	83635	318	97081	000	id _c d _c r _c				pr _c	
Ronaldsway		204	72815	80016	14208	35408	05614	81713	83645	204	82814	50608	12708	884//	06802	83715	83820	204	94091	010	d _c r _c pr _c				pr _c r _c r _c	
Mull of Galloway		131	83320	70802	13608	7923/	06502	83705	87915	131	73317	78038	11608	785//	06508	81820	87630	131	92081						+	
Eskdalemuir		162	62720	80017	08906	52432	02721	85819		162	32835	75011	05805	18532	51711	81822		162	92061	008	pr _c				+	
Prestwick		135	72819	65152	11609	585/1	03503	81620	84828	135	63122	70021	08508	35531	03717	81624	83626	135	97091	001	pr _c				jp	
Abbotsinch		140	62818	70026	09108	48502	04805	81825	84632	140	13019	80021	06507	18500	03815	81822		140	97091	012	+				pr _c	
Leuchars		171	32414	81021	05808	38500	01815	81820	83630	171	72821	81031	02207	45702	00821	84650	86075	171	00091	041	+				+	
Dyce		091	62923	80038	03408	58530	00515	81825	85645	091	72722	70258	00106	784//	03724	81818	87640	091	01081	022	pr _c				pr _c pr _c pr _c s _c	
Lerwick		005	73027	70258	93405	794//	51809	82910	86814	005	62928	65258	88103	694//	50834	82910	85814	005	05063	000	ph _c r _c pr _c ph _c				pr _c ph _c	
Wick		075	52921	65258	02206	39463	03808	81915	83820	075	73032	60278	96805	793//	01832	82709	83912	075	07072	000	prpr _c ph _c				pr _c pr _c ph _c	
Sule Skerry		010	32940	66011	00707	38500	02714	82820		010	33244	64018	95607	38500	01734	83820		010	02082							
Cape Wrath		049	63636	70018	00907	5843/	02835	81815	85620	049	33236	70808	96807	32400	51721	83815		049	92082	000	pr _c				pr _c	
Stornoway		026	63021	66158	06907	684//	03812	82815	84625	026	73035	58818	03306	7843/	03722	87814	86635	026	01081	003	pr _c				pr _c pr _c ph _c ps _c r _c	
Benbecula		022	73325	75158	10708	784//	04812	83816	85630	022	32933	75018	07307	38400	03717	82818		022	92091	002	pr _c				ph _c r _c s _c	
Tiree		100	73123	60216	12908	754//	04802	84618	87635	100	22927	65038	09008	28400	03712	81815		100	97091	013	ir _c pr _c				+	
Aldergrove		917	62916	68015	16007	55431	04707	81714	83618	917	33020	80258	12508	38300	05816	81707		917	97081	012	+				pr _c	
Malin		980	63024	70016	16209	624//	05001	81716	86820	980	72918	60106	13708	763//	07804	81708	85714	980	0110	005						
Belmullet		976	83018	64506	21310	864//	08706	86716	87638	976	83016	58586	19609	863//	08304	83709	88712	976	0210	001						
Birr		965	72909	80016	21109	756//	07801	87635		965	82812	58505	19108	863//	08805	86708	87714	965	9109	009						
Dublin		969	62819	70015	17408	35432	06711	81712	83360	969	72614	70026	16108	764//	06605	84714	84623	969	9409	019						
Shannon		962	73214	70808	22509	784//	07803	83715	84822	962	83014	62208	21010	864//	08001	84716	88620	962	9111	005						
Roches Point		952	43016	75016	22410	46400	07802	83715		952	72510	75021	21909	764//	07007	86712	87630	952	9710	013						
Valentia		953	83410	56506	25509	863//	08006	88707		953	83313	60586	24710	864//												

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



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.

During the past 24 hours a deep depression centred northeast of Iceland filled a little but moved southeast into Scandinavia; the associated frontal system over Scotland moved quickly southeast into the Continent. During the next 24 hours the depression over

Scandinavia will continue to move southeast with the British Isles remaining in a cold north to northwest airstream.

Issued at midday FRIDAY 30 DECEMBER 1977

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

Code FM II.V										OBSERVATIONS at 00h.										OBSERVATIONS at 06h.										OBSERVATIONS during NIGHT									
										30 December 1977										30 December 1977																			
Station										ill	Nddff	VVwwW	PPPTT	N _h Ch _M Ch	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	Nddff	VVwwW	PPPTT	N _h Ch _M Ch	T _d app	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	8N ₅ Ch ₅ h ₅	ill	RRT _n T _n E	T _g T _g	WEATHER								
																														21h.—03h.		03h.—09h.							
Boscombe Down										746	72514	81021	13407	2543/	06821	81710	87362											746	91051	03	+	pr _c							
Hurn										862	82611	70031	15608	855//	07609	85626	88639											862	97061	05	+	pr _c							
Manston										797	72514	70021	09606	50938	02817	85362	86272											797	01051	03	+	rcrr _c rcpr _c							
Gatwick										776	72616	75021	12107	7093/	04815	87360											776	94051	02	+	pr _c pr								
Kew																												775	01061	03	+	ir _c pr							
Heathrow										772	72412	68031	11907	3557/	05714	82625	87360											772	93061	03	+	rcpr _c							
Honington										586	62521	75012	06306	685//	03828	83823	85643											586	92041	03	pr _c	pr _c rc							
Wattisham										590	72523	80012	06606	756//	02828	87636												590	01041	02	pr _c	pr _c prph							
Gorleston										497	82518	66022	05206	8092/	03722	88458												497											
Aberporth										502	72920	75026	15708	763//	08708	82707	87710											502	91071	06	ir _c	+							
Filton										628	72715	60026	14308	754//	06713	82710	87630											628	97071	05	rcpr _c	pr _c							
Rhoose										715	52717	68256	15008	58500	07611	82820	84645											715	92071	04	pr _c rc	rcpr _c							
Hartland Point										703	83024	74022	17909	884//	09804	84818	88627											703	00080	07									
Mount Batten										827	82812	62606	18509	853//	08810	81708	84614	88636											827	01091	02	id _c ir _c d _c rcid _c	id _c prpr _c						
St.Mawgan										817	82816	60606	19209	851//	09810	82702	84706	86709											817	97091	06	ir _c	+						
Scilly										804	73018	80021	21410	755//	08709	87620												804	97102	07	+	pr _c id _c							
Culdrose										809	82913	60505	20109	852//	08711	82705	85709	88614											809	01081	07	id _c pr _c	ir _c						
Guernsey										894	72918	81026	19109	6842/	08811	85812	84630											894	97081	06	+	ir _c							
Elmdon										534	62817	81021	10008	45532	04612	82624	84650											534	95051	03	pr _c	pr _c prpr							
Cardington										559	82415	65032	09207	855//	05823	81621	84624	88640											559	01051	02	+	prpr _c						
Wittering										462	62725	80011	06907	655//	04733	83622	86650											462	97051	02	+	rcpr _c							
Watnall										354	52620	70012	06608	55500	05732	85620												354	91041	01	ir _c	rc							
Shawbury										414	52616	78021	10508	55500	05714	82620	84630											414	91061	03	+	pr _c							
Finningley										360	42922	80011	04408	15532	02829	81625												360	91051	02	pr _c	pr _c							
Spurn Point										396	62820	66012	04408	5557/	04723	85625	86360											396			+								
Leeming										257	12820	75011	04007	11600	02514	81830												257	00031	01	+	+							
Tynemouth										262	12823	69020	01507	10930	01722	81360												262	00031	01	+	+							
Carlisle										222	22814	70011	04906	28501	02612	81821												222	00031	50	+	+							
Valley										302	72925	70026	12709	784//	08812	82816	87622											302	97071	05	rcpr _c	pr _c							
Ringway										334	72720	70806	08708	784//	06717	83814	86630											334	01041	03	pr _c	pr _c							
Squires Gate										318	72919	80018	09009	756//	06807	83638	87650											318	02051	03	pr _c pr	pr _c prpr							
Ronaldsway										204	73030	80026	10209	784//	03808	81818	85825	85635											204	01061	03	+	ph _c rc-pr						
Mull of Galloway										131	33340	80011	07907	38500	06820	82820												131	01031										
Eskdalemuir										162	12842	75028	01905	18500	51716	81820												162	94023	51	pr _c	pr _c							
Prestwick										135	73133	70031	05307	65532	02816	83620	85640	85070											135	94031	03	pr _c	pr _c						
Abbotsinch										140	62920	65808	03706	685//	00820	82820	86630											140	01031	01	pr _c pr _c sc	pr _c sc							
Leuchars										171	32824	80251	99705	18402	00708	81818												171	97021	50	pr _c	+							
Dyce										091	73020	75268	97502	794//	00704	82910	86630											091	04015	51	prscph _c rcscphs	phspspscph _c							
Lerwick										005	73322	60278	88851	794//	52310	86910												005	10525	53	phcpsc	phcpscph _c rc							
Wick										075	73225	62878	95601	734//	00503	82912	85815											075	04505	51	pr _c scphr	phcpr _c scpr							
Sule Skerry										010	63240	48268	95204	635//	01109	86920												010	03002	00									
Cape Wrath										049	63244	70808	95705	624//	53006	86815												049	02031	00	pr _c sc	pr _c sc							
Stornoway										026	63328	56878	02003	694//	01504	86915												026	01501	50	prph _c rcsc	phcrcsc							
Benbecula										022	73135	65848	06405	793//	03504	82708	86912											022	01041	02	ph _c rcscpr _s	phcrcscpr _s							
Tiree										100	63036	62278	07807	684//	01702	81816	85627											100	96031	02	ph _c rcpr _c	phcrcphr							
Aldergrove										917	63122	82258	11007	685//	02805	83820	86632											917	95041	02	pr _c	pr _c							
Malin										980	22931	75018	11808	22500	03802	82820												980	9206	04									
Belmullet										976	62920	75036	18810	684//	07501	82716	83820											976	0208	06									
Birr										965	12812	70016	17308	16400	07712	81714												965	0107	05									
Dublin										969	72720	80036	13508	755//	06611	83622	86630											969	9406	03									
Shannon										962	73117	74506	19809	754//	08605	82712	84620	86635											962	9409	07								
Roches Point										952	82813	56605	20409	873//	09804	88708												952	0209	07									
Valentia										953	83214	60																											

DAILY WEATHER REPORT OF THE BRITISH METEOROLOGICAL OFFICE

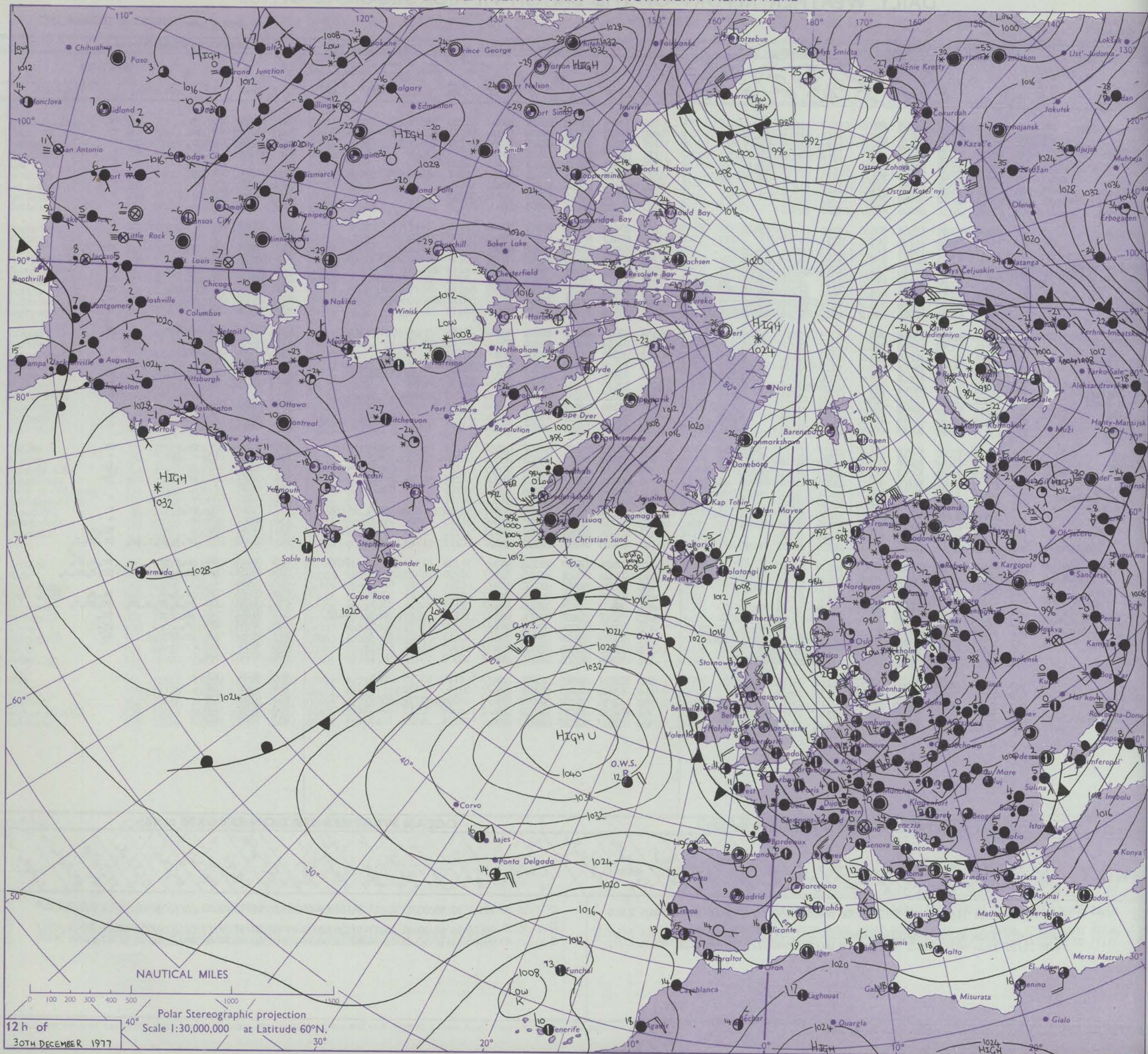
ISSN 0307-2541

Date of Issue SATURDAY 31 DECEMBER 1977

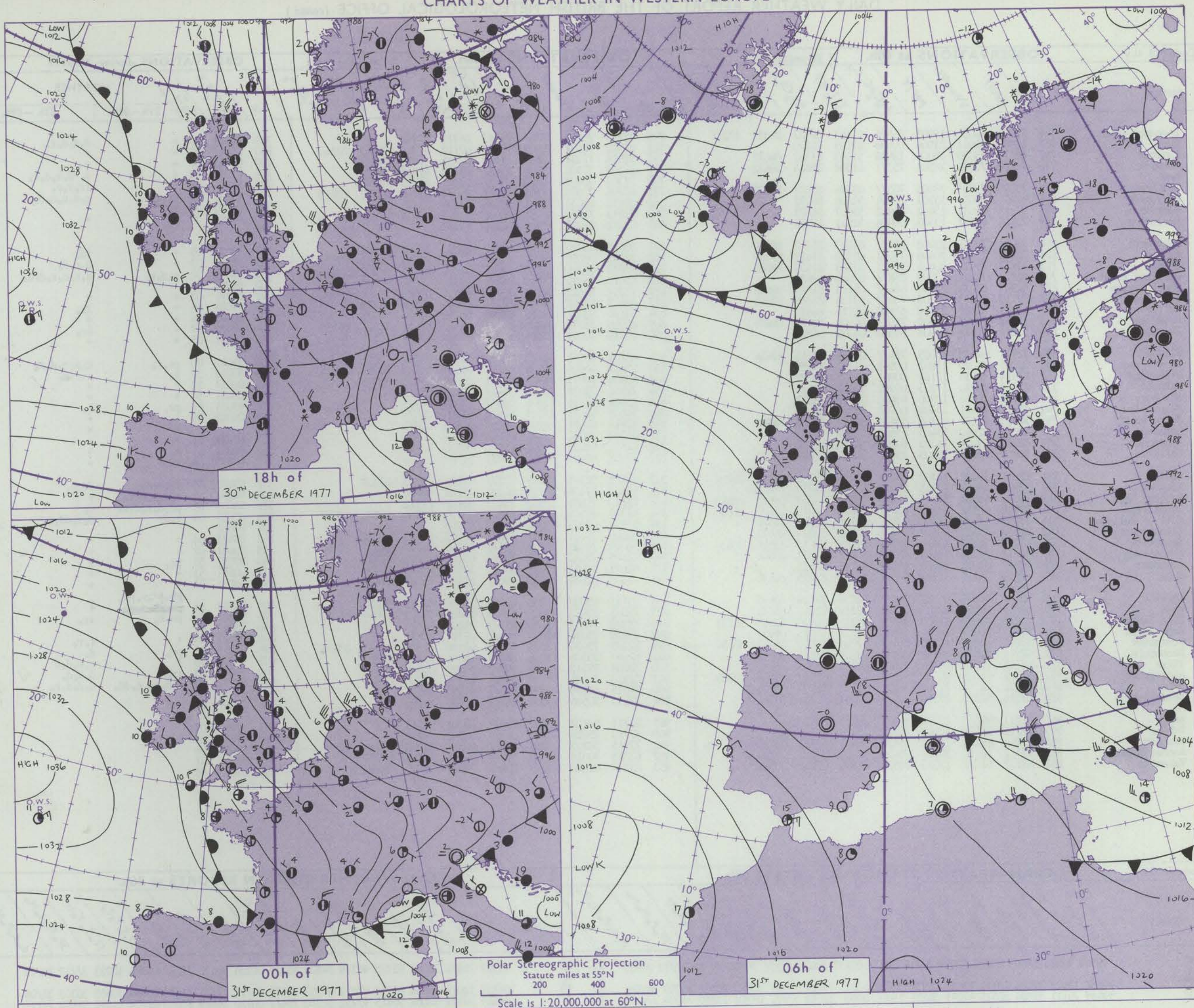
42408

OBSERVATIONS at 12h. 30 December 1977										OBSERVATIONS at 18h. 30 December 1977										OBSERVATIONS during DAY				
Code FM II.V																			WEATHER					
Station	ill	Nddff	VVwwW	PPPTT	N _h Ch _M CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	Nddff	VVwwW	PPPTT	N _h Ch _M CH	T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	RRT + T _E	SSS	09h.—15h.	15h.—21h.	
Boscombe Down	746	13116	70018	14608	15600	01117	81645			746	22910	80018	18004	25600	01220	82635			746	97081	055	jp	pr _c	
Hurn	862	62818	80031	15809	38431	03217	81815	83620	85075	862	22806	80010	19005	25600	02223	82630			862	97091	048	pr _c	+	
Manston	797	73025	73028	09906	785//	01220	81822	87645		797	13014	75021	13705	15600	01220	81640			797	97071	014	pr _c	+	
Gatwick	776	73316	75258	12607	785//	01218	83826	87640		776	32910	68038	16005	35600	00220	83645			776	97081	003	pr _c	+	
Kew	775	73014	70258	12607	785//	02117	81820	87635		775	22809	75021	15805	25701	00220	82650			775	97081	005	pr _c	+	
Heathrow	772	72919	75258	13006	785//	03118	81820	83635	87650	772	43012	65031	16205	45700	01217	84650			772	97081	001	pr _c	+	
Honington	586	12924	82036	08906	11500	52122	81825			586	02814	68020	12703	00900	53120			586	00071	054	+	+		
Wattisham	590	23029	80018	08705	21400	51220	82815			590	03019	80010	12803	00900	52223			590	00051	058	+	+		
Gorleston	497	63320	66151	07006	695//	52225	86925			497	22920	66011	10705	22500	53209	82825			497		059			
Aberporth	502	33329	70011	18308	38500	03116	81820	83640		502	23326	70021	20607	28400	03216	81817			502	00081	032	+	+	
Filton	628	33025	75038	16108	38500	02222	81825			628	13013	65028	18905	15600	02120	81640			628	97091	025	pr _c	jp	
Rhoose	715	73117	68031	17509	785//	01123	83828	86635		715	62711	75038	19407	656//	01015	86630			715	91091	028	pr _c	pr _c	
Hartland Point	703	53220	70022	20009	32501	05224	83820	83075		703	63425	74021	21708	42531	05217	84820	83360	85075	703	00100	038			
Mount Batten	827	63316	70018	19510	38432	06012	82818	85070		827	22908	70031	22008	25500	04217	82625			827	91101	023	pr _c	+	
St. Mawgan	817	63419	70028	20809	48432	06114	82816	83620	86075	817	63317	80012	22808	684//	05213	83816	86618		817	92101	007	pr _c	+	
Scilly	804	53319	70018	23311	28401	07008	81818	85075		804	73216	82258	24710	784//	08210	84815	87620		804	96111	033	id _e pr _c	pr _c	
Culdrose	809	73314	68258	21809	52402	07211	82710	85820		809	73307	72018	23709	785//	05212	84820	85632		809	93101	000	pr _c	pr _c	
Guernsey	894	73223	81022	18909	58402	06010	82816	84635	86075	894	23319	81021	21408	23500	04219	81824			894	00101	028	+	+	
Elmdon	534	73017	62158	13405	784//	01125	83818	86645		534	32913	64018	15904	38500	01115	81820	83645		534	95061	007	pr _p pr _c	pr _c	
Cardington	559	53116	75018	11906	58400	02220	82815	84645		559	23014	66021	15104	25600	50119	82635			559	00071	025	+	+	
Wittering	462	23226	82038	10806	28400	52117	81818			462	02914	81010	14503	00900	51116			462	97071	045	pr _c	+		
Watnall	354	33013	75036	11806	38500	00122	82825			354	12807	70020	14904	15600	51116	81640			354	00061	043	+	+	
Shawbury	414	63125	57008	15004	694//	02230	83912	84815	85635	414	73116	64308	17105	785//	02214	83820	87636		414	03071	001	ph _r pr _c ph _c pr _c	pr _c	
Finnerley	360	12919	81028	09006	18500	54121	81825			360	13012	73010	13104	00901	54114	81075			360	00071	060	+	+	
Spurn Point	396	13024	80021	08105	12500	51228	81825			396	22825	70011	11705	25600	51223	82640			396			+	+	
Leeming	257	12817	84020	09905	18501	52223	81825			257	03116	82010	12703	00900	53215			257	00061	056	+	+		
Tynemouth	262	12815	81020	08405	10930	53226	81358			262	02910	69020	11703	00900	51218			262	00051	054	+	+		
Carlisle	222	13114	75020	11305	18530	52123	81822			222	12913	80020	14604	15601	52217	81630			222	00061	054	+	+	
Valley	302	73125	70258	17207	784//	03122	85818	83635		302	53228	70028	19607	58400	01216	82815	84625		302	93081	001	pr _c	pr _c	
Ringway	334	33119	65018	12806	38500	50025	81820	83635		334	53015	70031	16005	58500	00116	81822	85645		334	00061	013	+	+	
Squires Gate	318	63323	75028	13207	68500	03220	81820	86630		318	73216	70031	16506	784//	03218	82818	86633		318	00071	003	jp	jp	
Ronaldsway	204	73127	56308	14606	793/2	03026	81708	83916	85650	204	43126	68018	17507	28502	01217	81825	83075		204	02071	003	pr _c ph _r	JP	
Mull of Galloway	131	73534	73028	13806	6853/	02031	84820	84625	85360	131	73618	78838	17405	785//	02215	83820	87625		131	92071				
Eskdalemuir	162	12931	75020	09303	15600	56124	81645			162	22713	80020	14302	25600	54217	82630			162	00031	050	+	+	
Prestwick	135	63213	80028	13105	5853/	51134	82820	83632	85650	135	73322	75032	15606	68641	53214	81830	83645	85656	135	91061	000	pr _c	+	
Abbotsinch	140	33219	80021	11105	38500	53126	81820	83640		140	43111	80021	14505	48500	51215	81820	84635		140	00051	014	+	+	
Leuchars	171	12323	82020	07105	18600	54224	81330			171	72916	82261	11304	784//	51215	82713	83824	87632	171	97061	056	+	pr _c s _c	
Dyce	091	72921	60278	04603	58332	01229	81707	84310		091	63025	70278	08403	684//	50217	81710	84645		091	01043	005	pr _c s _c ph _c pr _c pr _c	pr _c ph _c pr _c	
Lerwick	005	83431	30848	94101	893//	50239	88908			005	73426	65028	01203	793//	51233	81908	83314	87637	005	08045	000	ph _c pr _c pr _s	pr _c s _c ph _c	
Wick	075	73231	66278	04304	794//																			

CHART OF WEATHER IN PART OF NORTHERN HEMISPHERE



CHARTS OF WEATHER IN WESTERN EUROPE



GENERAL SYNOPTIC DEVELOPMENT.

During the past 24 hours a deep depression moved southeastwards across Norway and the Baltic into northern Russia. Pressure remained high to the west of the British Isles, maintaining a northwesterly airstream over most districts. During the next 24 hours

the mid-Atlantic anticyclone will move steadily eastwards. Pressure will remain low near Iceland, and a westerly airstream will be developed over most districts.

Issued at midday SATURDAY 31 DECEMBER 1977

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

Code FM II.V OBSERVATIONS at 00h. 31 December 1977										OBSERVATIONS at 06h. 31 December 1977										OBSERVATIONS during NIGHT				
Station	ill	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	Nddff	VVwwW	PPPTT	N _h Ch _h Ch _h	T _d T _d app	8N _s Ch _s h _s	8N _s Ch _s h _s	8N _s Ch _s h _s	ill	RR _T T _n E	T _g T _g	WEATHER		
																						21h.—03h.	03h.—09h.	
Boscombe Down	746	72708	80031	19903	45576	01103	84627	86359	87275	746	72911	70012	18807	763//	06713	87707			746	97021	50	+	d _e d _e d _e r _e	
Hurn	862	12808	80011	21004	00908	01205	81270			862	82912	68031	19909	7543//	07712	83710	86615	88360	862	00041	50	+	+	
Manston	797	43119	75030	16004	10934	51103	81362	84072		797	52914	72031	17604	11401	02105	81815	85072		797	00041	01	+	+	
Gatwick	776	72808	70031	18505	755//	01308	85624	86632		776	82507	35582	18904	854//	03002	81710	88618		776	01031	50	+	d _e -d _e r _e d _e r _e	
Kew										775	82303	35606	18705	874//	03801	84713	88715		775	94041	01	+	ir _e r _e r _e	
Heathrow	772	73108	75801	19005	785//	03210	83820	84628		772	82706	30588	18905	853//	04000	81708	83711	88615	772	93031	01	pr _e r _e	r _e d _e r _e d _e d _e	
Honington	586	62613	70031	15202	00904	52106	86075			586	52810	63031	17001	00901	52303	85075			586	00003	52	+	+	
Wattisham	590	62815	80031	15402	00902	52207	86075			590	52913	75022	16901	00902	52104	85075			590	00003	53	+	+	
Gorleston	497	72916	66031	13503	00904	52211	87075			497	02812	66011	15902	00900	51209				497				+	
Aberporth	502	83020	70031	21008	854//	07807	85712	88620		502	83018	65035	21309	853//	08302	84708	88618		502	97071	05	+	id _e	
Filton	628	72910	70031	20406	756//	02500	81635	87650		628	72712	58052	19608	752//	07504	82704	85618	87622	628	97051	03	+	d _e r _e d _e	
Rhoose	715	32913	75031	20806	15601	03503	81630	83075		715	32818	45506	20308	871//	08801	84702	88703		715	01051	02	r _e d _e r _e	d _e r _e d _e r _e d _e r _e	
Hartland Point	703	82910	74031	23009	856//	07000	88630			703	83612	66022	22909	854//	09504	85710	88620		703	00080	06			
Mount Batten	827	62907	68031	23708	684//	05103	81818	86632		827	73317	65022	22910	755//	08609	87626			827	00071	03	+	+	
St. Mawgan	817	73213	80031	24809	784//	07104	82816	87620		817	83017	62602	24609	873//	08803	83708	88710		817	97081	06	+	ir _e	
Scilly	804	63313	82031	27610	65600	08216	86630			804	63116	80031	26210	68400	08706	83710	84623		804	00091	06	+	+	
Culdrose	809	73212	70038	25609	755//	06006	82622	86628		809	82916	65031	24909	884//	07000	82812	84614	88618	809	97082	07	+	ir _e	
Guernsey	894	53318	81031	22908	58500	04002	84822			894	83022	80032	23310	853//	09500	83709	87614		894	00071	05	+	+	
Elmdon	534	72911	64028	18005	784//	02005	82815	87624		534	83106	50588	18505	352//	05500	85704	88625		534	92041	00	pr _e r _e	r _e d _e r _e d _e r _e	
Cardington	559	32806	75020	17602	00901	01107	83080			559	82607	40606	18404	852//	04500	85703	86712	88621	559	93011	52	r _e	ir _e id _e	
Wittering	462	42914	80030	17102	00901	51108	84075			462	63109	70011	17903	35601	03601	83630	85075		462	00011	52	+	+	
Watnall	354	22807	70030	17203	00902	51207	82075			354	72902	75021	18005	764//	03101	87712			354	00031	50	+	+	
Shawbury	414	43112	70018	18906	48400	03207	83817			414	83406	62216	18706	862//	05302	88705			414	93051	01	pr _e	r _e	
Finningley	360	42812	78021	15604	00902	52208	84075			360	52809	65021	17203	00902	01206	85075			360	00003	54	+	+	
Spurn Point	396	52923	70031	14104	55670	51211	85630	88368		396	32918	80021	16204	00901	50209	83075			396				+	
Leeming	257	23014	82010	15403	15602	51207	81630			257	02809	82020	17002	00900	51106				257	00031	51	+	+	
Tynemouth	262	62915	69021	14803	6093//	50218	86358			262	02710	69021	16302	00900	50206				262	00011	51	+	+	
Carlisle	222	52808	68021	16103	15642	50306	81640	84075		222	22802	68021	17250	10932	51001	81362			222	00513	56	+	+	
Valley	302	82811	35592	19308	871//	08714	82702	87703	88706	302	82915	58506	18409	872//	09202	82703	88705		302	03071	05	ir _e d _e r _e d _e	dd _e d _e	
Ringway	334	82909	59601	17905	854//	03101	81714	88620		334	83108	57036	18705	863//	05206	88706			334	94051	03	r _e d _e r _e d _e r _e	+	
Squires Gate	318	83016	40588	17705	853//	05304	83707	86614	88640	318	73110	70036	18507	764//	06103	87712			318	93051	03	pr _e d _e r _e d _e r _e	d _e	
Ronaldsway	204	82906	40511	18305	854//	05801	82710	85620	88650	204	82302	20506	19006	852//	06103	82704	83708	88650	204	02051	04	r _e d _e r	d _e r _e dd _e d _e	
Mull of Galloway	131	83209	57636	18005	374//	05106	83710	88520		131	93306	02505	18605	911//	05205				131	03051				
Eskdalemuir	162	62818	75031	15502	25604	53500	82630	86072		162	50000	75031	17851	15602	53003	81630	85072		162	00521	56	+	+	
Prestwick	135	63216	70012	16405	655//	01301	81620	83626	86630	135	80000	70031	17504	854//	03205	81712	84616	88618	135	00041	02	+	+	
Abbotsinch	140	52912	75251	15605	38572	50306	81822	83640		140	72506	75022	17103	755//	01104	82622	87629		140	97021	51	pr _e	+	
Leuchars	171	62809	82012	14405	656//	52211	86635			171	62607	82031	15402	35602	52502	83640	85075		171	00011	51	+	+	
Dyce	091	62910	75018	12703	655//	51223	82625	86650		091	72508	80031	14302	756//	51104	82635	87650		091	00011	51	+	+	
Lerwick	005	83422	60858	06303	884//	52120	83814	88645		005	83113	65028	0888											