

THE DAILY WEATHER REPORT

BRITISH SECTION

1st October to 31st December

1938.



AIR MINISTRY. METEOROLOGICAL OFFICE, LONDON. W.C.2.

INTRODUCTION

The Daily Weather Report has been issued in three sections since April 1, 1919. The section of which this forms the Introduction is known as the "British Section."

NOTES REGARDING THE BRITISH SECTION.

Description of each issue:—The British section is issued daily by 12.30 p.m. (except that Sunday's issue is printed on Monday) and contains—

(a) On pp. 1 and 4 two tables of observations taken generally at 13h. and 18h. G.M.T. of "yesterday," and at 1h. and 7h. G.M.T. of "to-day" from about 45 stations in the British Isles, which regularly report to the Meteorological Office, and of the weather in the intervening intervals. These observations are telegraphed in a figure and letter code. The stations are arranged according to Forecast Districts as described at the foot of p. 2 of the report, and also on p. 4 of this Introduction. Whenever it is possible to do so without occupying too much space, the decoded values are set out in full in the table; in other cases, code figures are entered; these are interpreted by reference first to the number printed at the head of the column, and then to the Explanation printed at the foot of pp. 1 and 4, where the column numbers are shown in connexion with each of the separate classes of observation.

(b) Observations made at nine London Stations during the 24 hours ending 7h. or 9h.

(c) Table of atmospheric pollution for "yesterday" for South Kensington and Kew Observatory.

(d) Observations for "yesterday evening" and "this morning" from five capital cities on the Continent of Europe.

(e) On p. 2, a table of weather reports from British health resorts for the previous day, arranged under forecast districts.

(f) A weather chart (scale 1 : 10,000,000) for the British Isles and the neighbouring parts of the Continent and of the Atlantic. An explanation of the chart is printed below it.

(g) A "general inference" drawn up by the forecaster from all the weather charts available. This inference sets out the meteorological changes in progress and the deductions to be drawn from them.

(h) Weather forecasts for the 24 hours commencing 12 noon of the day of issue for 20 districts into which the British Isles are divided.

(i) A "further outlook," i.e. an indication of the changes to be expected after the expiry of the term of the forecasts, if the meteorological conditions are such as to warrant the issue of such an extension.

(j) On p. 3, a weather chart for the greater part of the Northern Hemisphere, including the whole of Europe, part of N. Africa, the Northern part of the N. Atlantic, N. America and usually a part of Russia in Asia.

The observations presented on this chart are not synchronous, but as from 1st January, 1938, a change was made which gives approximately synchronous observations over a larger area than formerly.

Till the end of December, 1937, the chart could be divided into the following three sectors as regards hour of observation,

Sector,	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	7h. local time,
30° E. to 40° W....	6h. or 7h. G.M.T. (Azores 8h.)
40° W to 170° W	0h. or 1h. GMT

From January 1st, 1938, these have been reduced to the two sectors:—

Sector.	Hour of Observation.
U.S.S.R. (approx. 170° E. to 30° E.)	1h. local time.
30° E. to 170° W.	0h. or 1h. G.M.T.

The improvement in the charts effected by this change is most marked over mid-Atlantic. Previously a difference of six hours had existed between observations from ships on opposite sides of the lines of longitude 40° W.

The gain in one respect has meant a sacrifice in another. The network of land stations in Europe and Africa making observations at 1h. is not so close as that of stations observing at 7h. This is particularly notable in Scandinavia, the Balkans and North Africa.

In the case of Iceland entries of weather, temperature and wind do not now appear on the chart, but pressure values at 1h. G.M.T. are available and are used in drawing the isobars.

Wind:—The force of the wind is indicated in each issue of the Report by figures on the Beaufort Scale. The equivalents between numbers of the Beaufort Scale and the indications of an anemometer when exposed at a height of 30 to 40 feet above the ground are set out at the foot of p. 2 of each issue. Stations where such anemometers are installed determine their Beaufort numbers from their anemometers. At stations where anemometers are not in use, the force of the wind is estimated by means of the specification set out below. All wind directions are "true" or geographical, as distinguished from "magnetic."

Gale warnings:—A note regarding the meaning of gale warnings and the method of indicating in the Report to what districts warnings may have been issued is also shown below.

THE INTERNATIONAL AND UPPER AIR SECTIONS.

The other two sections of the Daily Weather Report are Royal quarto in size.

The International Section contains 4 pp. per day and is issued daily by 3.30 p.m., but the issues for Saturday and Sunday are made on Monday. The "International Section" contains information received from the Continent of Europe, the Mediterranean Basin, Iceland and the Azores, and from ships on the Atlantic, arranged as follows:—

- Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.
- Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.
- Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).
- Table of meteorological observations received by Wireless Telegraphy from Ships on the Northern Atlantic.

This section is very useful to one who wishes to trace the passage of various weather systems, since the 4 charts for each 24 hours enable the reader to follow the course of events in detail. From 1st March, 1933, the positions of well-defined warm, cold and occluded fronts have been indicated on the weather maps.

Upper Air Section:—The third section, called the "Upper Air Section" consists of 2 pp. Royal quarto per day and the issue for "yesterday" is published immediately prior to the issue of the British Section for "to-day." It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and the Continent of Europe.

THE BEAUFORT SCALE OF WIND FORCE.

Beaufort Number.	Admiral Beaufort's General Description of Wind.	Specification for use on Land, based on observations made at British Land Stations.	Limits of Mean Velocities Statute Miles per Hour as recorded by well exposed anemometers about 40 feet above ground.
0	Calm	Orlm; smoke rising vertically	Less than 1
1	Light air	Direction of wind shown by smoke drift	1-3
2	Slight breeze	Wind felt on face; leaves rustle	4-7
3	Gentle breeze	Leaves and small twigs in constant motion; wind extends light flag	8-12
4	Moderate breeze	Raises dust and loose paper; small branches are moved	13-18
5	Fresh breeze	Small trees in leaf begin to sway; crested wavelets on inland waters	19-24
6	Strong breeze	Large branches in motion; whistling heard in telegraph wires	25-31
7	Moderate gale	Whole trees in motion; inconvenience felt when walking against wind	32-38
8	Fresh gale	Breaks twigs off trees; generally impedes progress	39-46
9	Strong gale	Slight structural damage occurs (chimney pots and slates removed)	47-54
10	Whole gale	Seldom experienced inland; trees uprooted	55-63
11	Storm	Very rarely experienced; accompanied by widespread damage	64-73
12	Hurricane		Above 75

GALE WARNINGS.

The Meteorological Office issues warnings to ports and fishing stations of gales on or near the coasts of the British Isles. When one of these notices has been received at a station a black canvas cone is hoisted. The Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The *North Cone* (point upwards) is hoisted for gales commencing from a Northerly point.

For gales commencing from East or West the North Cone will be hoisted if the gale is expected to change to a Northerly direction.

The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest. For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

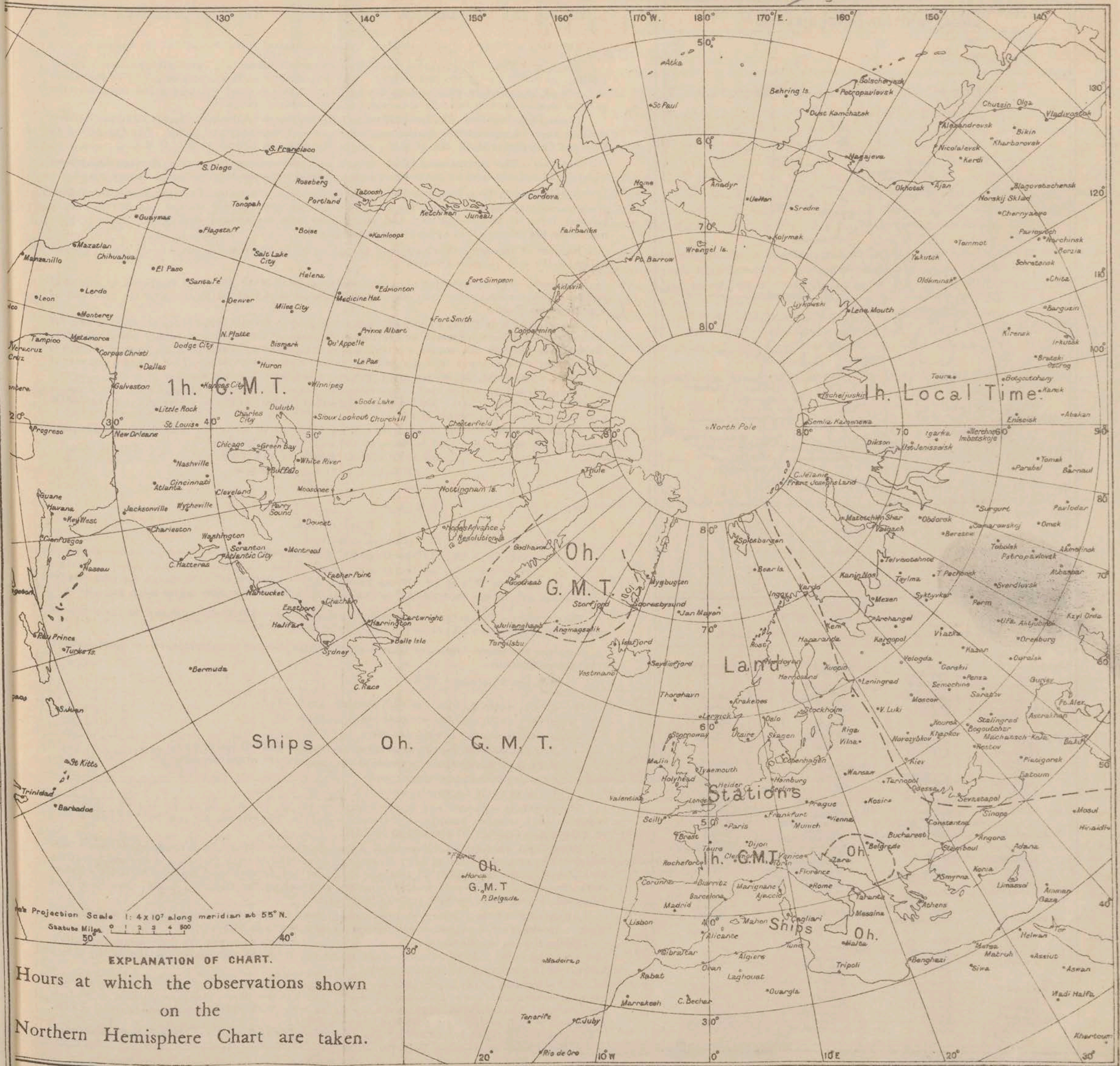
The districts to which warnings are sent are shown in the Report by the following symbols written on page 2 against the forecast districts to which they apply:—

▲ North Cone hoisted:

▼ South Cone hoisted:

The time or times of issue of the gale warning telegrams is shown below the further outlook" on page 2 of the Report.

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A map of the British Isles with 20 numbered regions for a geography quiz. The map includes latitude and longitude lines (50°N to 60°N, 0°W to 10°W) and labels for various cities and locations. The regions are numbered 1 through 20, covering areas from the Shetland Islands down to the Channel Islands and the coast of France.

Regions and associated locations:

- 1: South East England (Kent, Essex, London area)
- 2: East of England (Norfolk, Suffolk, Cambridgeshire)
- 3: East Midlands (Lincolnshire, Leicestershire, Nottingham)
- 4: West Midlands (Staffordshire, Warwickshire, Birmingham)
- 5: South West England (Devon, Cornwall)
- 6: West of England (Somerset, Dorset, Wiltshire)
- 7: South Wales (Cardiff, Swansea)
- 8: North East England (Durham, North Yorkshire)
- 9: Yorkshire (Leeds, Sheffield)
- 10: East of Scotland (Aberdeen, Dundee)
- 11: Central Scotland (Edinburgh)
- 12: South Scotland (Perth, Dundee)
- 13: West of Scotland (Glasgow)
- 13B: Shetland Islands
- 14: North Scotland (Aberdeen)
- 15: North East Scotland (Aberdeen)
- 16: Shetland Islands
- 17: West of Ireland (Galway, Connemara)
- 18: Central Ireland (Dublin, Wick, Wexford)
- 19: East of Ireland (Dublin, Wick, Wexford)
- 20: South of Ireland (Cork, Kerry)

Other locations labeled on the map include: Lerwick, Wick, Stornoway, Dalwhinnie, Leuchars, St Abbs Head, Renfrew, Eskdalemuir, Tynemouth, Malin Hd, Aldergrove, Blacksod Point, Valentia, Birr, Roches Point, St Ann's Head (Pembroke), Hartland Point, Plymouth, The Lizard, Guernsey, Jersey, Calshot, Portland, Dungeness, Lympstone, Canydon, Boscombe Down, S. Farnborough, Bristol, Manchester, Spurn Head, Gorleston, Felixstowe, Upper Hayford, Cranwell, Sealand, Holyhead, Pt of Ayre, Catterick, and Spurn Head.

1. <i>England, S.E.</i> Kent. Sussex. Surrey. Hampshire. Berkshire. Wiltshire.	2. <i>Wales, S.</i> Glamorgan. Brecknock. Carmarthen. Pembroke. Cardigan. Radnor.	12. <i>Scotland, S.W., and Isle of Man.</i> Isle of Man. Dumfries. Kirkcudbright. Wigtown. Ayr. Lanark. Renfrew. Dumbarton. Stirling.	18. <i>Orkneys and Shetlands.</i>
2. <i>England, E.</i> Essex. Middlesex. Hertford. Bedford. Huntingdon. Cambridge. Suffolk. Norfolk. Lincoln.	7. <i>Wales, N.</i> Montgomery. Merioneth. Flint. Denbigh. Carnarvon. Anglesey.	13A. <i>Scotland, W.</i> Argyll. Bute.	17. <i>Ireland, N.W.</i> Galway. Roscommon. Mayo. Sligo. Leltrim.
3. <i>Midlands E.</i> Buckingham. Oxford. Northampton. Warwick. Leicester. Rutland. Nottingham.	8. <i>England, N.W.</i> Cheshire. Lancashire. Westmorland. Cumberland.	13B. <i>Scotland, N.W.</i> Hebrides. Western parts of Inverness. Ross and Cromarty. Sutherland. (Boundary line runs from Rannoch Station through Fort Augustus, Beaully and Lairg to Mel- vich).	18. <i>Ireland, N.E.</i> Meath. West Meath. Longford. Cavan. Fermanagh. Monaghan. Louth. Armagh. Down. Antrim. Londonderry. Tyrone. Donegal.
4. <i>Midlands, W.</i> Gloucester. Hereford. Worcester. Shropshire. Stafford.	9. <i>Midlands, N.</i> Derby. Yorkshire, W.	14. <i>Mid. Scotland.</i> Perth.	19. <i>Ireland, S.E.</i> Waterford. Wexford. Kilkenny. Carlow. Wicklow. Offaly. Leth. Kildare. Dublin.
5. <i>England, S.W.</i> Dorset. Somerset. Monmouth. Devon. Cornwall.	10. <i>England, N.E.</i> Yorkshire, N. & E. Durham. Northumberland.	15. <i>Scotland, N.E.</i> Kincardine. Aberdeen. Banff. Elgin. Nairn. Caithness. Eastern parts of Inverness. Ross. Sutherland.	20. <i>Ireland, S.W.</i> Cork. Kerry. Limerick. Tipperary. Clare.

Corrections and additions can be obtained, if required, on application to the Meteorological Office.

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY
SUPPLEMENT,

DECEMBER, 1938. No 264.

Page 1.

A very cold wintry spell after unseasonable warmth.

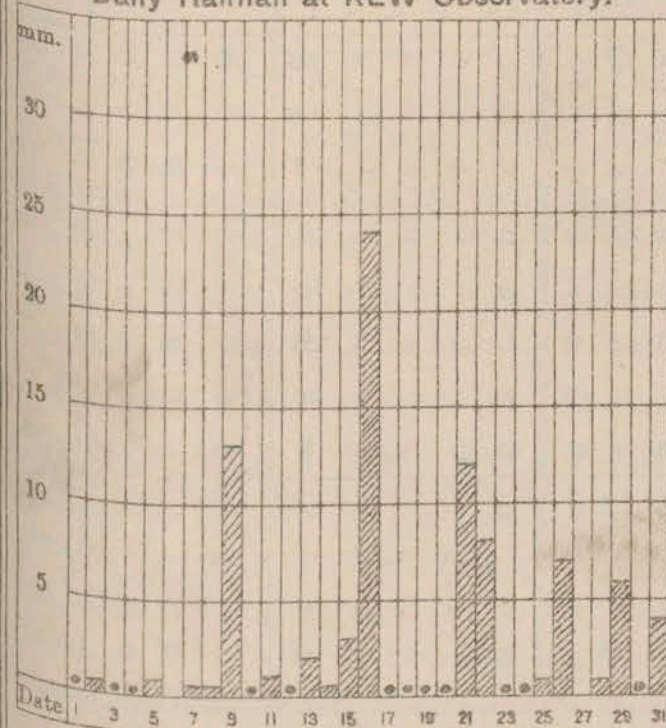
A spell of wintry weather from 17th. to 26th. with the most severe cold since February, 1929 was the outstanding feature of December. Roads were blocked for several days in the Salisbury Plain area, in Kent and Sussex, and locally further north by general snow falls over E. S. NE. England and Midlands and in E. Scotland which caused considerable dislocation of road and rail transport over the few days before Christmas. Sunshine was exceptional in W. Ireland and mainly good elsewhere. Rainfall was above normal in England and Wales, deficient in many other areas.

The first half of the month was characterised by a continuation of the unusually mild weather of the autumn. There were widespread gales on 1st, with gusts of 81 m.p.h. at St. Ann's Head and 78 m.p.h. at Croydon, but many districts enjoyed considerable sunshine for the first few days, especially on the 3rd, when over 7 hours were recorded locally on the South Coast. Frequent gales in the West and North, with heavy rain at times in the Southwest half of the country ensued from 8th. to 14th, and with more southerly winds the prevailing mildness was accentuated. Minima were often high especially during the night of 11th.-12th. when in Central London the temperature at midnight was 57°F. During 12th. day maxima reached 55°F. at a number of places and was as high as 57°F. locally in the South. Among some of the heavier falls of rain were 1.26 in.

at Boscombe Down on 9th. and 1.18 in. at Valentia on 15th.

By 17th. the central pressure in a very intense anticyclone over N. Europe had risen to 1066 mb. in N. Russia, and biting cold easterly winds spread to the British Isles from the Continent. For a time winds blew at gale force on the coasts especially off N.E. Scotland where Lerwick had 55 hours of continuous gale. Temperature fell rapidly and continuously to freezing point in E. and S.E. England during the afternoon with snow and sleet, and during the next day or two the cold weather spread to the whole country. Snow fell to a depth of a few inches in the Southeast on 19th. with more general and heavy falls on 20th. and 21st. Temperatures were often continuously below freezing until the 24th; at Ross-on-Wye, frost was continuous for 111 hours, at Manston for 147 hours and at Lymington (with the exception of 5 hours during the forenoon of 24th) for 222 hours. Lymington had a record low maximum of 22°F. on 20th, whilst low minima included 7°F. at Dalwhinnie and 12°F. at Mildenhall on 19th. A maximum of 30°F. at Falmouth on 20th was the lowest December figure since 1890. Christmas Day was mainly dry but dull with an anticyclone over the country but on Boxing Day a trough of low pressure with rain began to move SE. and although there was much snow in the eastern counties, the thaw had set in. General rain set in over the country during the closing hours of the year after a mainly sunny day.

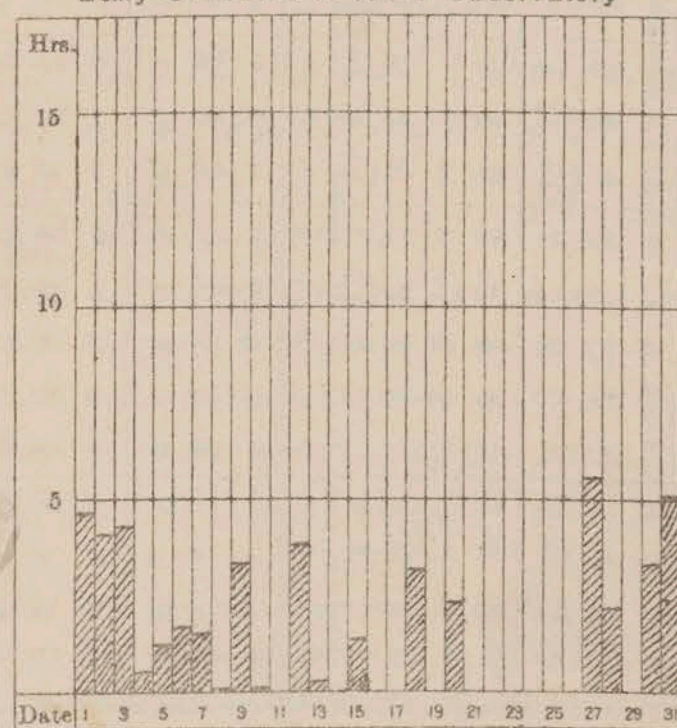
Daily Rainfall at KEW Observatory.



• = Less than 0.5 mm.

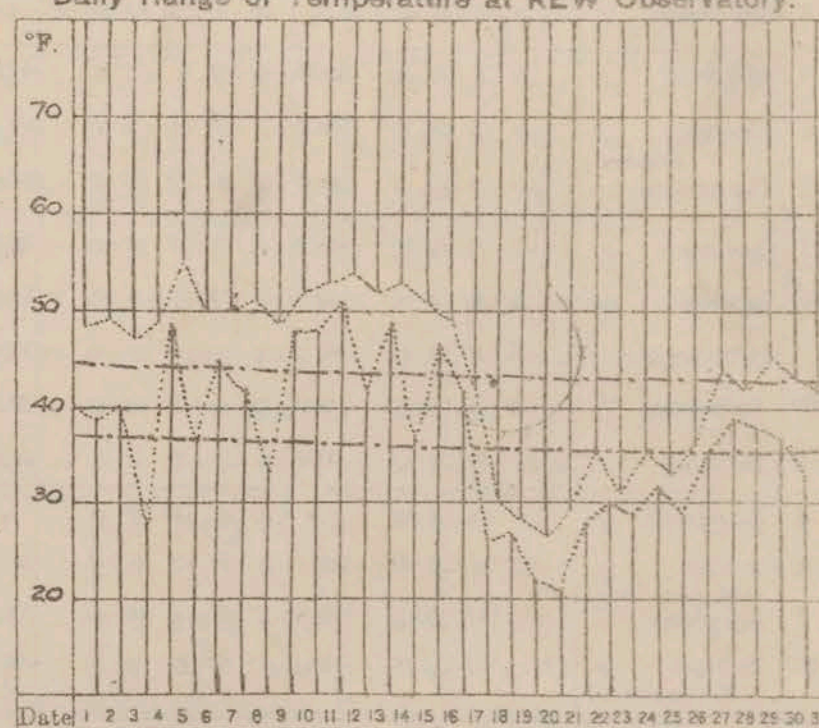
RAINFALL. Total for Month. 86 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 50 hrs.

Daily Range of Temperature at KEW Observatory.



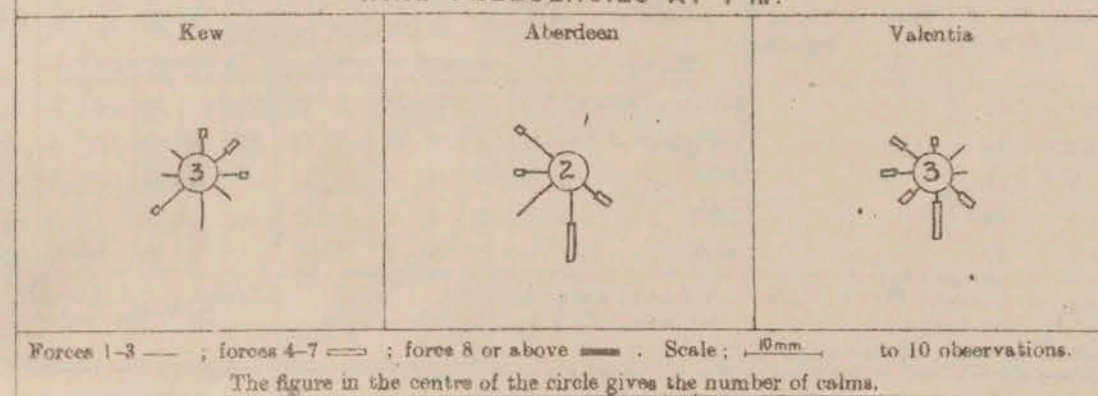
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1011.2	mb. -2.5	°F. 40.3	°F. -1.1
Aberdeen	1007.9	+1.0	39.6	-0.5
Valentia	1008.9	-1.8	44.2	-1.3

*Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 18 h. daily corrected.
Temperature—mean of Max. and Min.

WIND FREQUENCIES AT 7 hr.



"RUN" of WIND, or total displacement of air relative to the anemographs.

	miles.
Kew	7,474
Aberdeen	7,101
Lerwick	16,750
Valentia	9,839

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

District.	STATIONS.	↑ TEMPERATURE.														LOW CLOUD.						FOG, MIST and GOOD VISIBILITY.									
		Number of daily readings within fixed limits.								Extremes—Warmest and Coldest.						Number of observations within fixed limits.						Number of observations within fixed limits.									
		Maximum.				Average Minimum.	Days.		Nights.		Number of Ground Frosts.	7 h.		13 h.		18 h.		7 h.		13 h.		Good Visibility.	Good Visibility.								
		32° or below	33° — 41°	42° — 50°	51° — 59°		Average Maximum.	23° or below	24° — 32°	33° — 41°		42° — 50°	51° — 59°	Highest Max.	Lowest Max.	Highest Min.	Lowest Min.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.			1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Dense fog.	Thick fog.	Fog.	Mist.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.
1	London ... (Kew Obsy). Croydon ... Calshot** ... (Southampton) Lympne ...	5 4 14 8	44.8	2 8 11 9 1	38.0	55 5 27 20	51 12 21 21	15	4 23 0	5 22 0	6 21 0	0 1 2 1 10	0 0 4 5 5																		
		6 4 11 10	44.4	2 8 11 9 1	37.5	55 {5 26 20	51 12 22 21	10	7 19 2	5 23 0	8 16 0	0 0 2 5 15	0 0 2 7 5																		
		4 5 7 15	46.2	3 6 9 12 1	38.9	56 12 28 20	51 12 21 20	8	8 21 0	4 23 1	6 21 0	0 0 1 0 26	0 0 0 2 21																		
		7 6 12 6	43.4	4 7 11 9 0	36.3	53 13 22 20	50 12 19 20	14	10 17 1	8 20 1	9 16 2	0 1 0 1 15	0 1 2 2 15																		
2	Shoeburyness ...	5 7 9 10	44.7	3 7 11 10 0	36.1	55 {5 25 20	49 12 20 21	13	3 23 0	6 22 0	1 21 0	0 1 1 1 22	0 0 1 3 17																		
	Gorleston ...	3 12 11 5	44.1	0 11 10 10 0	37.6	55 5 29 20	48 12 26 {20 21	9	1 26 0	3 25 0	1 22 0	1 0 0 0 13	0 0 2 1 3																		
	Cranwell ...	4 9 15 3	42.7	2 11 11 7 0	35.2	54 12 27 20	46 12 19 21	13	10 16 0	9 14 2	6 19 0	0 3 1 2 8	0 1 1 1 8																		
3	Birmingham ... (Edgbaston)	5 6 18 2	42.6	2 8 11 10 0	36.3	52 12 26 20	48 14 22 20	9	8 17 0	10 18 0	7 15 0	0 1 0 0 11	0 0 3 4 2																		
4	Ross-on-Wye ...	4 5 16 6	44.7	2 8 10 11 0	37.3	54 {4 27 20	50 14 21 20	10	3 25 0	4 27 0	7 21 0	0 0 0 1 19	0 0 0 1 21																		
5	The Lizard ...	1 5 9 16	*	0 3 7 21 0	*	55 {3 30 20	49 {4, 7, 10, 24 {20 21	*	0 31 0	1 30 0	2 29 0	0 0 0 0 30	0 0 1 0 26																		
7	Holyhead ...	0 6 15 10	46.9	0 3 11 17 0	42.5	53 {4, 12, 13, 33 19	50 7 29 {19 20	5	2 26 0	4 26 0	3 26 0	0 0 0 0 29	0 0 0 0 26																		
8	Chester ... (Sealand)	4 5 15 7	45.2	1 5 15 10 0	37.1	55 14 30 {19 20	50 14 23 20	10	4 24 0	3 27 0	3 24 2	0 0 1 3 16	0 0 2 2 16																		
10	Tynemouth ...	0 9 19 3	44.4	0 4 17 10 0	38.4	52 {12 29 36 {19 20 31	48 7 30 {20 21	5	7 24 0	8 23 0	5 26 0	0 0 2 0 18	0 0 2 2 9																		
11	Leuchars ...	2 11 16 2	43.5	2 7 17 5 0	35.6	52 7 28 21	47 7 22 21	15	2 25 0	5 24 0	2 24 0	0 0 0 0 24	0 0 1 0 17																		
12	Renfrew ...	3 8 13 7	43.6	4 7 11 9 0	35.8	54 12 29 24	48 {7 14 20 {21 22	17	1 20 1	2 25 2	3 24 1	0 1 0 2 13	1 0 1 4 15																		
	Eskdalemuir ...	5 8 18 0	40.7	2 10 14 5 0	33.5	50 12 27 21	46 14 21 21	15	13 17 0	15 14 0	17 13 0	0 0 1 0 20	0 0 0 0 17																		
13	Stornoway	0 8 18 5	44.9	0 6 13 12 0	38.5	52 {12 16 34 23	50 14 24 22	*	0 30 1	0 30 1	1 30 0	0 0 0 0 26	0 0 0 0 29																		
15	Aberdeen ...	1 9 21 0	43.4	2 6 15 8 0	36.9	50 {7 12 27 21	48 {12 16 22 {22 25	19	6 24 0	7 20 1	6 17 0	0 0 0 1 8	0 1 1 3 9																		
18	Aldergrove ...	1 9 18 3	*	4 6 14 7 0	*	52 4 32 22	46 {7 12 15 23	14	4 22 0	6 24 0	4 23 1	0 1 1 0 24	0 1 1 1 21																		
19	Dublin ... (Phoenix Park) Birr Castle ...	2 6 14 9	47.1	2 8 17 4 0	36.0	57 4 32 {21 22	48 7 16 23	15	* * *	* * *	* * *	* * * * *	* * * * *																		
		5 5 15 6	45.8	5 4 16 6 0	37.8	55 4 28 24	46 7 16 22	14	5 17 0	5 21 0	3 21 0	0 0 0 0 31	0 0 1 0 30																		
20	Valentia ... (Cabirciveen)	0 4 14 13	49.1	1 5 5 18 2	43.0	56 4 33 20	51 {4 7 23 22	6	6 21 0	7 23 0	5 23 0	0 0 0 0 25	0 0 0 1 27																		

UPPER AIR TEMPERATURE.

UPPER WINDS.
No. of records of Velocity (km./hr.) within fixed limits.

Pressure. mb.	Normal Height. Feet.	Normal Temperature. °F.	MILDENHALL.		ALDERGROVE.				STATION		LYMPNE.						PLYMOUTH (Mt. Batten).						HOLYHEAD.						RENFREW.						STATION.	
			Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Mean. °F.	No. of Reports.	Height. Metres.	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Height. Metres.		
950	1,730	37.6	38.6	41	40.1	45		500 above ground.	67	7	33	24	2	0	45	6	25	12	2	0	70	8	36	18	8	0	64	7	38	18	1	0	500 above ground			
850	4,640	31.1	29.5	41	30.7	45		1000 above M.S.L.	43	3	18	19	3	0	30	6	13	10	1	0	41	6	15	16	4	0	43	3	20	16	4	0	1000 above M.S.L.			
750	7,870	22.7	20.6	41	21.8	45		2000 " "	8	0	4	4	0	0	6	2	3	1	0	0	9	1	4	4	0	0	19	1	9	8	1	0	2000 " "			
650	11,490	11.3	9.2	41	9.9	45		3000 " "	2	0	2	0	0	0	4	1	2	1	0	0	2	1	1	0	0	0	8	0	4	2	2	0	3000 " "			
550	15,620	-3.2	-4.6	41	-4.4	45		4000 " "	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3	0	1	2	0	0	4000 " "			

† The readings and averages used, are, except in the case of Phoenix Park, the maximum for the period 7 h.-18 h., and the minimum for the period 18 h.-7 h. The readings and averages for Phoenix Park are for daily periods ending 21 h. Averages are for periods of at least 10 years (See M.O.364).

* Winds of 0-5 km./hr. are included in the number of observations.

METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON, W.C.2.

N. K. JOHNSON, M.Sc., A.R.C.S., Director.

SUNSHINE, RAINFALL, AND HUMIDITY..... DECEMBER, 1938.

Page 3.

DISTRICT.	STATIONS.	SUNSHINE.												RAINFALL.														Days with Thunder.	Days with Snow or Sleet.						
		Number of Days with Duration.				Maximum Duration.		Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Highest and Lowest Totals on record for Month.			† Number of days with amount.	Maximum fall in 24 hrs.	Total for past 12 months.	Difference from Average.	Total for Month.†	Difference from Average.	Highest and Lowest Totals on record for Month.														
		Nil.	0.1—3h.	3.1—6h.	6.1—9h.	Above 9h.	Hours.					Date.	First year of record.	Highest. Year.							Lowest. Year.	0, trace or 0.1 mm.	0.2—1 mm.	1.1—5 mm.	5.1—15 mm.	15.1—25 mm.	Above 25 mm.			mm.	Date.	mm. mm.	mm. mm.	mm.	mm.
1	London (Kew Obsy). Croydon Calshot** (Southampton) Lympne	12 10 9 0 0	5.6 27	1459 -10	50 +13	1880 72 1886 0 1890	9 10 6 5 1 0	24 16	464 -142	86 +28	1856 162 1914 6 1926	0 8	8																						
2	Shoeburyness Gorleston Cranwell	16 7 5 3 0	6.3 3	1601 -115	54 +5	1919 77 1936 20 1934	10 10 5 6 0 0	7 26	420 -83	59 +12	1920 94 1937 5 1932	0 8	8																						
3	Birmingham (Edgbaston) Ross-on-Wye	13 10 8 0 0	5.3 19	1252 -52	43 +8	1887 90 1891 5 1890	6 7 8 9 1 0	16 13	687 +13	112 +44	1893 155 1914 11 1926	0 9	9																						
4	Falmouth (Observatory)	9 11 10 1 0	6.2 3	1441 -44	62 +14	1915 73 1929 30 {1915 1927	13 3 8 5 2 0	20 9	569 -148	97 +21	1859 196 1929 11 1926	0 5	5																						
5	Holyhead	12 11 5 3 0	6.9 20	1600 -110	62 +9	1881 82 1886 19 1890	9 5 9 6 2 0	20 9	990 -117	123 -36	1871 280 1915 21 1926	0 3	3																						
7	Chester (Sealand)	13 11 6 1 0	6.1 10	1524 -26	54 +13	1914 71 1916 15 1931	10 5 9 5 2 0	24 4	961 +74	110 +4	1871 241 1934 21 1926	1 2	2																						
8	Tynemouth	11 12 8 0 0	5.6 2	1396 +20	52 +11	1928 76 1929 23 1927	8 5 11 7 0 0	12 8	674 +13	78 +14	1922 114 1929 13 1933	0 4	4																						
10	Leuchars	19 6 5 1 0	6.1 3	1290 * 32 *	1935 * * * *	6 5 16 4 0 0	9 4	622 +1	83 +28	1915 136 1937 15 1932	0 +	+																							
11	Renfrew	10 14 6 1 0	6.8 3	1447 -23	52 +8	1922 66 1929 16 1934	12 8 6 5 0 0	13 9	738 +85	65 +2	1922 95 1929 8 1926	0 5	5																						
12	Eskdalemuir	12 14 5 0 0	5.8 22	1249 +56	46 +19	1921 43 {1923 1929	11 6 9 5 0 0	14 6	1264 +325	75 -38	1921 230 1929 15 1933	0 5	5																						
13a	Stornoway	13 13 4 1 0	6.1 30	1146 -55	43 +11	1910 60 1935 3 1912	7 4 13 6 1 0	24 4	1973 +544	114 -64	1910 339 1932 37 1933	0 11	11																						
15	Aberdeen	12 15 4 0 0	5.9 22	1160 -55	36 +14	1881 54 1935 6 1884	7 6 10 7 1 0	17 7	1360 +94	112 -47	1870 378 1898 30 1927	0 5	5																						
18	Aldergrove	14 11 6 0 0	5.1 3	1334 +5	37 0	1881 68 1891 7 1903	8 4 15 3 1 0	24 16	749 +1	97 +15	1871 227 1876 20 1905	0 8	8																						
19	Dublin (Phoenix Park)	12 9 9 1 0	6.1 3	1227 * 58 *	1927 70 1935 21 1931	7 12 3 9 0 0	13 11	916 +78	86 -1	1926 145 1929 28 1926	0 5	5																							
20	Birr Castle	8 14 6 3 0	6.4 14	1221 -216	59 +13	1881 79 1897 20 1910	11 7 8 4 1 0	20 10	701 -1	76 +11	1865 166 1914 19 1885	0 2	2																						
	Valentia (Cabirciveen)	9 13 9 0 0	5.6 14	1197 -109	59 +16	1881 68 1881 22 1884	10 11 4 5 1 0	20 11	1080 +253	84 0	1862 165 1929 24 1885	1 1	1																						
		8 10 10 3 0	6.3 {21 22	1313 -55	76 +37	1880 66 1933 14 1931	6 1 15 7 1 1	30 14	1563 +149	149 -20	1866 345 1934 37 1926	0 1	1																						

MINIMUM SURFACE HUMIDITY.

No. of Days (Mdt. to Mdt.) with Minima between Fixed Limits.

STATIONS.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew)	0	0	5	15	8	3	0	0	0	0
Ross-on-Wye	0	1	5	12	10	3	0	0	0	0
Falmouth (Obsy.)	4	5	8	10	4	0	0	0	0	0
Renfrew	0	2	3	20	6	0	0	0	0	0
Eskdalemuir	0	0	11	15	4	1	0	0	0	0
Aberdeen	0	2	7	10	10	2	0	0	0	0
Valentia	0	2	5	11	8	3	2	0	0	0

STATE OF GROUND AT 18 h.

No. of Days each type was recorded.

STATIONS.	0	1	2	3	4	5	6	7	8	9	CODE for State of Ground.
London (Kew)	0	20	0	2	1	0	1	1	6	0	0 Dry.
Ross-on-Wye	0	23	0	2	2	0	2	0	2	0	1 Wet.
Renfrew	0	21	1	3	1	1	1	0	3	0	2 Flooded.
Eskdalemuir	0	20	2	1	1	0	1	0	6	0	3 Frozen hard and dry.
Aberdeen	0	22	0	1	1	0	2	5	0	0	4 Partly covered with snow or hail.
Valentia	1	25	0	4	0	1	0	0	0	0	5 Covered with ice or glazed frost.
											6 Covered with thawing snow.
											7 Covered with snow, less than 6 ins., but ground not frozen.
											8 Covered with snow, less than 6 ins., and ground frozen.
											9 Covered with snow, greater than 6 ins. deep.

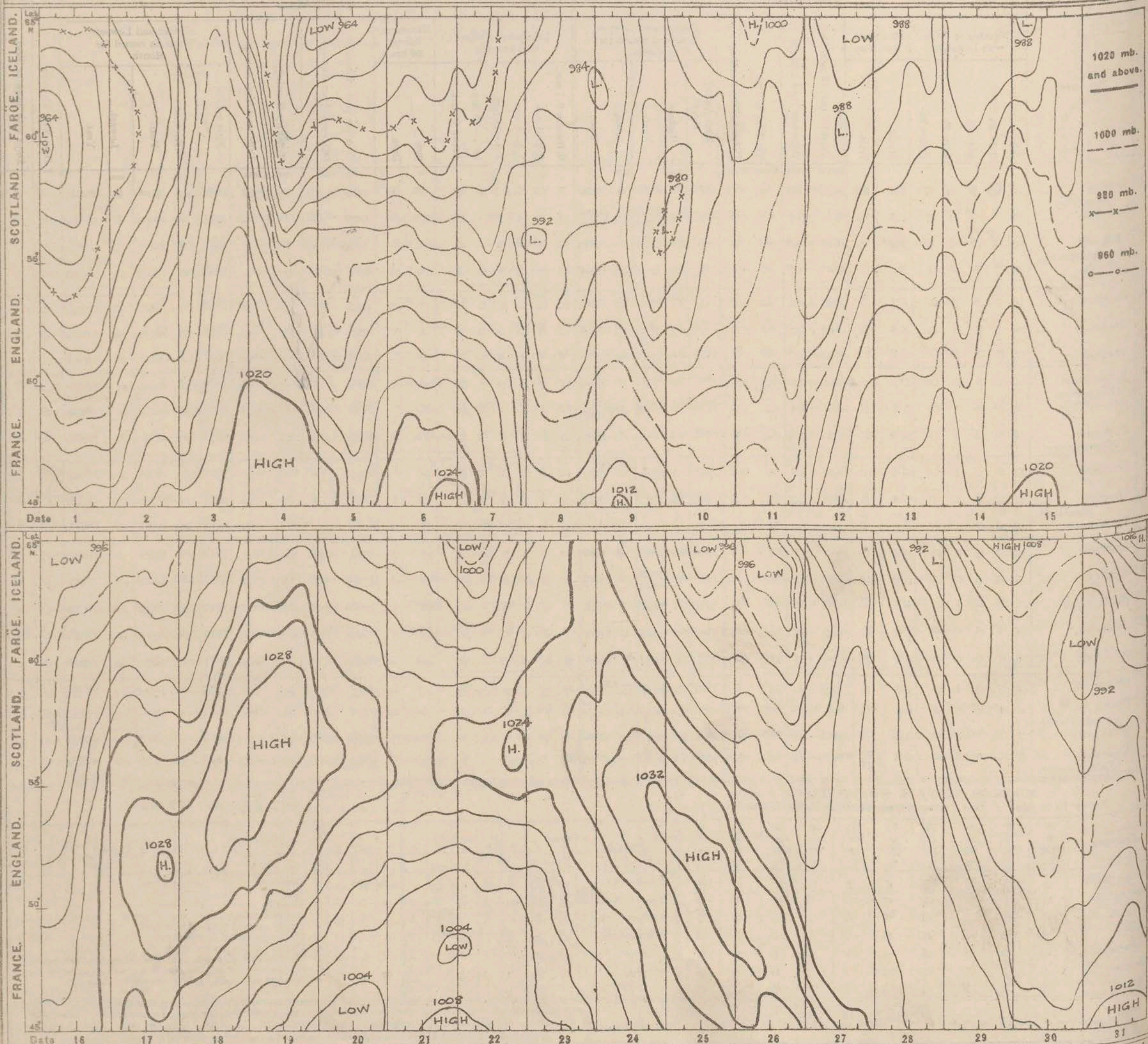
**The extremes of rainfall and sunshine from Calshot are supplemented by those from Southampton.

†Based in part on reports made by telegraph in which the day and night measurements are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0.1 mm.

PRESSURE: ICELAND TO GULF OF LIONS

DECEMBER, 1938.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseilles. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at 1h., 7h., 13h., and 19h. are plotted consecutively and joined to show the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W., in the north; at Lat. 44½° N., Long. 4° E., in the south.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 1st December, 1938.
No. 28133

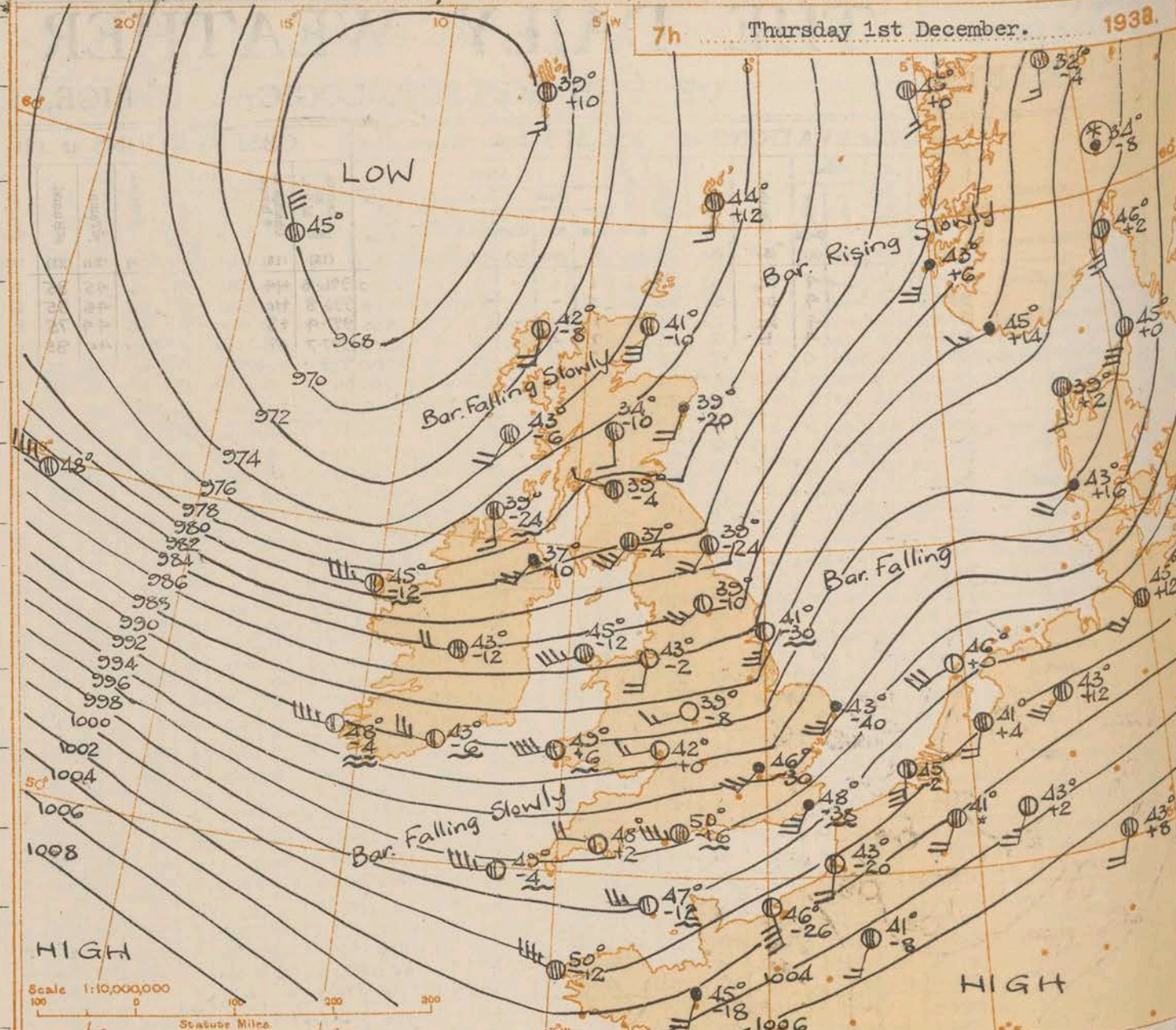
District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 30th November														OBSERVATIONS at 18h. G.M.T. 30th November														PAST 24 HOURS.									
		Barom. mb.	Change in 8 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					Barom. mb.	Change in 8 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					State of Ground.	Sea.	WEATHER.									
				Dir.	Force					Form.	Amount.	Height of Base (feet)	Dir.	Force			Form.	Amount.					Height of Base (feet)	Dir.	Force	Form.	Amount.			Height of Base (feet)	7h.—13h.	13h.—18h.	18h.30m.—1h.	1h.—7h.					
																																			Low	Med.	High	Low	Total
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)
1	London (Kew)	994.9	0	WSW	4	Zo	51	75	6	1	-	-	1	1	2500	996.8	+14	SW	3	Zo	45	85	6	5	-	-	2-3	2-3	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Croydon	995.6	-4	WSW	4	bc	52	85	6	5	-	-	4-6	4-6	4000	996.8	+10	SW	4	Zo	45	85	6	5	-	-	0	0	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	S. Farnborough	995.8	+6	WSW	4	bc	52	75	7	1	-	-	2-3	2-3	2500	997.4	+8	SW	4	bc	44	75	8	5	-	-	4-6	4-6	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Boscombe Down	995.8	-2	WSW	4	b	51	65	8	2	4	-	Tr	1	2500	997.7	+8	WS	5	bc/pr	45	85	7	5	-	-	2-3	2-3	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Calshot (Stmnt.)	997.3	+6	SW	4	b	53	75	7	1	5	-	Tr	Tr	2500	999.0	+14	SW	4	bc	46	75	8	3	-	-	0	4-6	-	1	2	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Lymington	996.7	-30	SW	4	bc/r	49	92	7	8	-	-	2-3	2-3	2500	998.7	+12	WSW	4	b	45	85	6	3	-	-	0	Tr	-	1	3	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Manston	994.9	-30	SW	4	c/r	49	92	7	5	7	-	4-6	7-8	1500	996.8	+8	SW	3	b	44	85	6	8	-	-	1	1	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
2	Shoeburyness	995.0	-14	SW	3	c	51	75	6	8	-	-	7-8	7-8	2500	996.9	+14	SW	3	b	47	75	8	5	-	-	0	0	-	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Felixstowe	994.3	-36	SW	3	bc/r	48	92	7	5	-	-	4-6	4-6	1500	995.7	+8	SW	4	b/r	47	75	6	5	-	-	Tr	Tr	2500	1	3	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Gorleston	993.0	-30	SW	5	bc/r	46	85	6	2	-	-	4-6	4-6	2500	994.2	+4	SW	3	b	44	85	6	3	-	-	0	1	-	1	3	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Mildenhall	992.7	-10	SW	4	b	51	75	8	1	-	-	1	1	4000	994.0	+10	SSW	4	b	44	85	7	-	-	0	0	-	1	1	3	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Cranwell	990.6	-8	WSW	4	Zo	47	75	6	5	3	-	4-6	4-6	2500	991.6	+6	SW	3	Zo	42	85	6	5	-	-	9	9	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
3	Birmingham	992.7	-2	WSW	3	bc	47	65	7	8	3	-	2-3	4-6	2500	994.2	+4	WSW	4	bc	42	75	8	5	3	-	2-3	4-6	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Upper Heyford	994.3	-6	WS	4	b	51	65	7	1	4	-	Tr	1	2500	995.6	+6	WS	4	bc/pr	41	92	7	5	-	-	2-3	2-3	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Ross-on-Wye	994.2	0	WSW	3	c/pr	49	75	8	8	-	3	4-6	7-8	4000	996.4	+16	W	4	c/pr	42	85	8	8	-	-	3	7-8	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
4	Hartland Point	996.4	+4	NW	5	cq	49	85	8	7	-	7-8	9	800	998.1	+18	NW	5	c	49	65	8	8	-	-	9	9	1500	1	4	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm	
	Bristol	995.9	+6	WSW	4	IK	48	85	7	6	2	-	7-8	9	1500	997.2	+10	W	4	bc/pr	45	85	8	8	-	-	4-6	4-6	1500	1	5	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Portland Bill	997.1	+4	SW	6	c	52	92	7	5	-	-	7-8	7-8	2500	999.6	+16	W	6	c	50	92	8	5	-	-	7-8	7-8	2500	1	5	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Plymouth	999.3	+4	W	4	c	52	75	7	8	3	-	7-8	9	2500	1001.2	+18	WSW	4	bc	47	75	8	8	-	-	4-6	4-6	1500	1	2	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	The Lizard	1000.4	+2	W	5	bc	49	92	8	8	6	-	4-6	4-6	2500	1002.4	+6	W	6	c/pr	47	85	6	8	2	-	7-8	9	2500	1	3	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Scilly (St. Mary's)	1000.2	+8	W	6	bc/p	52	85	7	3	6	-	4-6	4-6	1500	1002.7	+18	WNW	5	bc	47	85	7	2	6	-	2-3	4-6	2500	1	4	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Guernsey	1000.2	+8	W	4	bc	54	65	7	1	-	-	4-6	4-6	2500	1001.9	+12	WS	4	bc	51	75	7	5	-	-	4-6	4-6	2500	1	3	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
5	Pembroke	994.5	+8	WS	7	bcq	50	75	8	5	4	2	2-3	4-6	2500	995.8	+8	WNW	8	bc/pr	48	65	7	2	7	-	2-3	2-3	2500	1	4	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Holyhead	989.8	-2	WS	5	c/pr	48	65	8	8	3	-	9	9	1500	970.4	+10	WS	6	bc	45	65	8	2	8	-	4-6	4-6	2500	1	3	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Chester (Sealand)	990.6	-2	SW	3	bc/pr	50	65	8	8	-	-	2-3	2-3	2500	991.3	+6	SW	3	bc/pr	44	75	7	8	-	-	4-6	4-6	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Manchester	989.7	-2	WSW	4	Zo	48	75	6	8	3	-	7-8	9	2500	990.4	+6	SW	3	bc/pr	43	75	7	8	3	-	2-3	2-3	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
10	Spurn Head	989.1	0	WSW	4	bc	47	85	6	8	8	-	4-6	4-6	4000	990.0	+4	SW	3	bc	42	92	6	-	4	-	0	2-3	-	0	2	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Catterick	986.6	-6	WSW	4	bc	46	75	8	4	-	-	2-3	2-3	1500	987.8	+12	SSW	4	pr	42	75	7	6	-	-	9	9	1500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Tynemouth	985.0	-6	WSW	4	c/pr	45	75	5	2	-	-	7-8	7-8	1500	985.8	+2	W	3	c/pr	43	75	7	2	-	-	7-8	7-8	1500	1	1	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
11	St. Abbs Head	981.4	-2	SW	5	bc	45	65	8	8	4	9	4-6	4-6	2500	981.8	0	WSW	5	c	41	75	9	8	6	9	4-6	7-8	2500	0	4	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Leuchars	980.7	-6	WSW	4	bc	42	85	8	6	6	2	2-3	4-6	1500	981.2	+4	SW	3	bc	40	85	6	4	7	1	Tr	2-3	2500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Bentley (Abbots I.)	983.3	0	SW	4	c/pr	46	85	6	9	6	-	4-6	9	1500	984.4	+10	WSW	4	bc	42	85	6	9	2	-	4-6	10	1500	2	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Eskaideuir	983.6	-10	WSW	6	c	41	85	8	8	-	-	7-8	7-8	1500	983.6	-4	WSW	6	c/pr	39	85	8	5	-	-	7-8	7-8	1500	1	*	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
	Point of Ayre	986.8	0	WN	6	bc	47	75	8	8	6	-	4-6	4-6	1500	986.8	0	WN	6	c	44	85	8	8	3	-	4-6	7-8	1500	1	3	crs	bcm	bcm	bcm	bcm	bcm	bcm	bcm
13	Tiree	978.5	0	SW	6	c/pr	45	85	7	8	-	-	7-8	7-8	1500	979.0	+4	WSW	6	phr	45	85	7	8	-	-	7-8												

REPORTS from HEALTH RESORTS for 30th November 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (h.)
		Fore-noon.	After-noon.	Min. 9h. 29th to 9h. 30th.	Max. 9h. 17h. 30th.	Night. 17h. 22nd to 9h. 30th.	Day. 9h. 17h. 30th.	
1	Tunbridge W.	oro	bcope	30	50	3	3	2.2
	Bournemouth	cbcb	bbs	37	53	6	-	4.6
	Ventnor	rb	bbs	43	53	5	3	3.9
	Southsea	oroc	bbs	38	53	3	1	4.1
	Bognor Regis	rrbc	bbs	36	53	1	2	4.0
	Littlehampton	odcbc	bbs	38	54	1	1	3.8
	Worthing	erbc	bbs	36	53	2	0.5	3.4
	Brighton	rb	bbs	35	52	1	1	2.6
	Eastbourne	roc	bbs	37	53	2	2	2.7
	Hastings	rrbc	bbs	39	53	-	3	2.7
2	Folkestone	oroc	bbs	36	52	0.3	4	1.7
	Dover	or	rbbs	37	53	2	4	1.0
	Deal	rr	rbbs	36	51	0.5	6	1.5
	Ramsgate	cgr	bbs	40	51	Trace	2	1.2
	Margate	er	bbs	40	52	Trace	2	1.3
	Southend	coirc	cbbs	38	51	0.3	1	2.3
	Claughton-on-Sea	orc	cbbs	37	50	1	1	1.9
	Dovercourt	berm	berm	37	50	Trace	2	2.9
	Lowestoft	cprc	cbbs	35	48	3	1	2.3
	Skegness	robc	bbcor	35	49	3	1	3.3
3	Mablethorpe	orbc	bbs	31	49	7	Trace	3.5
	Cleethorpes	cbc	bbs	33	49	4	-	3.6
	Leamington S.	bbs	bbs	36	51	1	-	4.8
	Cheltenham	bbs	erbc	36	50	2	0.5	4.1
	Bath	cbbs	rbbs	32	52	6	1	4.4
	Weymouth	rbbs	bbs	44	53	3	Trace	3.3
	Jersey	pbbs	bbs	45	55	1	2	2.1
	Torquay	bbbs	bbs	38	53	8	1	5.3
	Falmouth	erbc	bbs	38	54	9	1	5.3
	Penzance	rbbs	bbs	45	54	8	0.5	5.2
4	St. Ives	bcup	bbs	45	52	2	Trace	2.8
	Bude	oroc	erbc	42	52	6	3	1.7
	Ilfracombe	prc	bbs	42	50	5	-	0.3
	Aberystwyth	erbc	bbs	42	49	3	1	2.1
	Llandudno	cbbs	bbs	40	48	4	1	1.1
	Colwyn Bay	er	rbbs	40	49	3	0.1	3.1
	Rhyl	er	rbbs	40	49	2	0.3	3.7
	Wallasey	bbs	bbs	39	50	7	6	2.6
	Southport	cbbs	bbs	39	49	6	0.5	1.9
	Blackpool	cbbs	bbs	39	49	6	0.5	1.9
5	Morecambe	oroc	bbs	40	46	7	1	1.5
	Ilkley	rbbs	bbs	37	46	-	3	2.6
	Harrogate	bbs	bbs	38	46	-	Trace	3.3
	Berwick-on-T.	bbs	bbs	38	46	Trace	0.5	2.7
	Dunbar	ocopo	bbs	42	47	5	1	0.3
	Troon	ocopo	bbs	42	47	5	1	0.3
	Douglas	beir	bbs	43	47	14	1	3.2

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st December, 1938.

1 S.E. England	Squally westerly or southwesterly winds a gale in exposed places, moderating slowly; cloudy and bright periods; showers of rain or hail, perhaps with thunder locally; average temperature.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 { A.W. Scotl. B.N.W. Scot- land.	Moderate or fresh squally southerly to westerly winds increasing to a gale at times in exposed places; cloudy and bright periods; showers of rain or hail with sleet on high ground; average temperature.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	Fresh or strong squally westerly winds a gale at first, moderating slowly and backing later; showers of rain or hail with thunder locally; becoming cloudy later with more general rain spreading from the west; average temperature.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

† H.N. Stationery Office Press, Kingston W.C.2.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough, High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A very deep depression is centred northwest of Scotland and another depression off Newfoundland will move rapidly east. There will be squally showers of rain or hail in most districts, but these will tend to grow less later as a wedge preceding another depression moves over the country.

FURTHER OUTLOOK.

Renewed rain and storms spreading from the west.

Times of Issue of Gale Warnings.

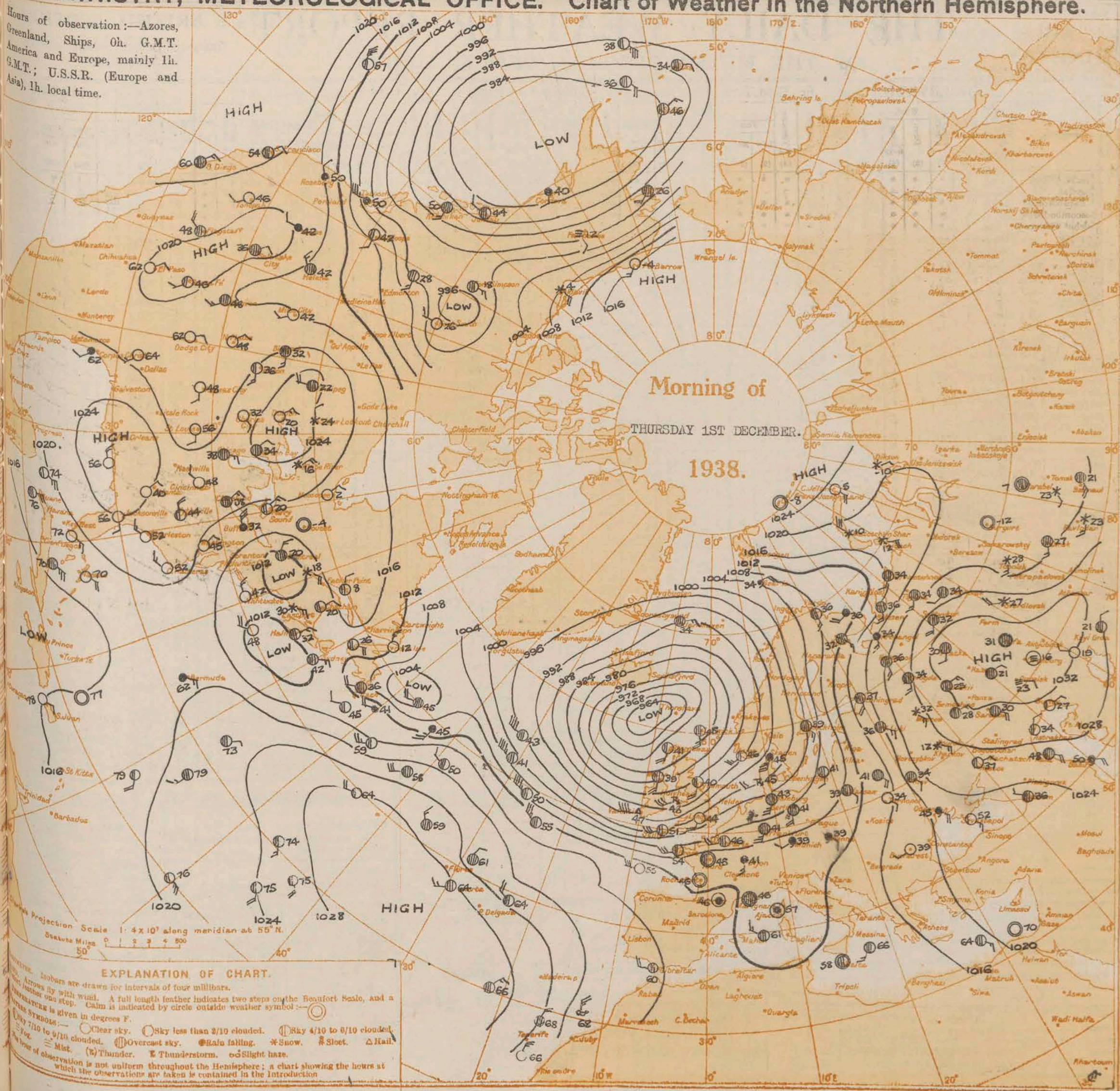
South Cone hoisted at 1545 on 29th in districts 12,13A,13B,17,18,20; at 1945 on 29th in districts 6,7,8,19; at 0200 on 30th in districts 15; 16; at 0212 on 1st in districts 1,2,5; at 0820 on 1st in districts 10,11.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.,
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 1st December, 1938.

No. 28133

OBSERVATIONS at 1 hr. G.M.T. 1st December.														OBSERVATIONS at 7 hr. G.M.T. 1st December.														PAST 24 HOURS.										
District.	STATION.	Height above M.S.L. in feet.	Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visib. in miles.	Cloud.					Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visib. in miles.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Surf. Wind.		
					Dir.	Force.					Low.	Med.	High.	Low.	Total.			Height of Base (feet).	Dir.					Force.	Low.	Med.	High.	Low.			Total.	Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.		Day 7h-18h mm.	Night 18h-7h mm.
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	993.4	-20	W	3	c/r	45	85	6	5	2	-	7-8	10	1500	1	*	52	40	36	1	4	3.0			
	Croydon	217	999.3	+12	SW	4	b	44	75	7	-	-	0	0	994.1	-30	SW	5	r/r	46	85	7	6	7	-	4-6	10	1500	1	*	52	40	36	3	5	4.8		
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	993.8	-20	SW	3	c/r	45	85	8	5	-	-	5	9	2500	1	*	52	38	33	2	4	3.8			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	993.9	-6	W	4	c	44	85	7	5	-	-	9+	9+	1500	1	*	51	38	35	4	5	3.9			
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	995.8	-4	W	4	c/r	47	85	7	6	-	-	9+	9+	1500	1	4	54	45	41	5	5	2.4			
	Lympe	346	1001.0	+6	SW	3	b	41	85	8	-	-	0	0	996.3	-38	SW	5	p/r	48	75	8	8	-	-	9	9	1500	1	84	51	42	4	0.4	1.7			
	Manston	154	999.7	+10	SW	3	b	40	85	7	-	-	0	0	994.6	-38	SW	6	c	48	85	7	8	-	-	9+	9+	2500	1	*	51	39	33	2	0	1.7		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	994.4	-28	SW	4	r/r	48	85	8	6	-	-	10	10	800	1	*	52	42	34	2	1	2.8			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	993.2	-40	S	6	c	48	75	7	5	-	-	9+	9+	1500	0	4	50	41	35	3	4	2.6			
	Gorleston	5	996.2	+12	SW	4	b	39	85	7	-	-	0	0	992.2	-40	SW	5	r/r	43	85	6	6	-	-	10	10	1500	1	3	49	38	35	4	0.2	3.5		
	Mildenhall	19	996.0	+8	SW	4	b	40	85	8	-	-	0	0	996.6	-30	SW	4	r/r	45	92	6	5	-	-	9+	9+	2500	1	*	51	39	33	1	0	3.4		
	Granwell	240	*	*	*	*	*	*	*	*	*	*	*	987.8	-20	SW	5	b	40	85	7	5	7	-	7	1	4000	1	*	48	38	34	1	2	3.4			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	989.9	-8	W	3	b	39	85	6	5	-	-	Tr	Tr	2500	1	*	48	38	34	2	7	3.9			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	992.4	-2	SW	3	b	38	97	8	5	-	-	1	1	2500	1	*	50	36	30	5	5	4.6			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	991.5	6	W	3	b	42	75	8	5	-	-	Tr	Tr	2500	1	*	50	40	35	2	8	2.3			
5	Harland Point	299	994.0	-40	W	6	PHR	49	85	7	8	-	9+	9+	992.5	-2	W	6	bc	46	75	8	8	-	-	2-3	2-3	1500	1	5	51	45	35	0.2	7	2.6		
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	993.3	-2	W	6	c/r	42	75	7	5	-	-	7-8	7-8	1500	1	5	51	40	35	3	6	2.6			
	Portland Bill	32	999.4	-12	W	6	phr	51	92	8	5	-	7-8	7-8	994.5	-16	W	7	c	50	92	8	5	-	-	7-8	7-8	2500	1	5	51	46	35	1	3	2.8		
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	995.4	+2	W	4	b	48	65	7	8	-	-	1	1	1500	1	3	53	47	42	2	2	5.3			
	The Lizard	240	999.8	-24	SW	6	c	50	85	8	2	-	7-8	7-8	996.6	+2	W	7	bc	45	75	8	9	-	-	4-6	4-6	2500	1	4	50	45	35	4	3	4.7		
	Scilly (St. Mary's)	163	998.7	-26	SW	6	bc	51	85	8	8	-	4-6	4-6	996.3	-4	W	7	bc	49	65	8	6	-	-	2-3	2-3	2500	1	4	53	45	35	2	4	3.1		
	Guernsey	175	1002.5	-8	WSW	4	bc	50	65	7	5	-	4-6	4-6	998.5	-12	W	5	bc/p	47	92	7	8	3	-	2-3	4-6	2500	1	5	(54)	45	41	7	5	3.1		
6	Pembroke	142	990.8	-32	SW	3	c/r	48	75	7	8	-	10	10	990.6	+6	W	8	bc	45	65	7	8	-	-	4-6	4-6	1500	1	4	52	44	35	Tr	9	3.1		
7	Holyhead	28	985.1	-60	SW	6	tr	48	75	8	2	2	-	7-8	10	984.4	-12	W	7	c	45	65	8	5	7	-	7-8	10	2500	1	3	49	43	41	0.3	3	2.1	
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	986.7	-2	SW	4	b	43	75	8	5	-	-	1	1	2500	1	*	50	40	33	1	4	3.5			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	986.5	+6	SW	3	z	39	85	6	5	3	-	2-3	2-3	4000	1	*	49	39	31	0.3	3	3.6			
10	Spurn Head	29	991.7	+4	SW	4	b	40	85	7	-	-	0	0	986.1	-30	SW	5	bc	41	92	7	5	-	-	4-6	4-6	1500	1	4	48	39	35	3	0.5	3.4		
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	982.5	-10	SW	5	bc	39	85	7	3	-	-	4-6	4-6	1500	1	4	47	39	32	2	4	3.0			
	Tynemouth	108	986.5	+4	SW	3	bc	40	85	7	2	-	4-6	4-6	980.0	-24	SW	4	c/r	39	92	6	2	-	-	7-8	7-8	1500	1	1	46	39	35	1	2	0.7		
11	St. Abbs Head	280	982.8	+6	SW	4	bc	37	85	8	4	4	-	2-3	2500	977.3	-24	SW	4	c	37	92	9	9	4	9	4-6	7-8	1500	1	3	46	33	31	Tr	1	1.7	
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	976.7	-20	SW	2	c/r	38	92	7	8	7	-	7-8	10	1500	1	*	44	36	31	Tr	1	0.5			
12	Renfrew (Abbott I.)	19	*	*	*	*	*	*	*	*	*	*	*	978.8	-4	W	1	c	39	97	8	8	-	-	7-8	7-8	2500	2	*	47	38	35	8	8	1.2			
	Edinburgh	794	*	*	*	*	*	*	*	*	*	*	*	979.0	-4	SW	5	c	37	85	8	8	-	-	9+	9+	800	2	*	42	34	32	1	3	3.5			
	Point of Ayre	30	985.5	-16	W	5	bc	44	75	8	-	2	-	0	4-6	980.6	-4	W	6	rr	41	92	7	6	2	-	4-6	10	1500	1	3	48	41	*	3	0.9		
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	973.8	-6	SW	4	c/r	43	92	7	8	-	-	9	9	1500	1	*	48	39	37	2	3	0.9			
13B	Stornoway	80	974.7	+6	SW	3	bc	41	85	7	8	-	2-3	2-3	973.2	-8	SW	4	bc	42	85	8	8	-	-	2-3	2-3	1500	1	2	46	41	37	2	2	0.3		
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	976.5	-10	S	2	c	34	92	7	4	7	-	4-6	7-8	2500	1	*	38	33	31	6	8	1.5			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	977.1	-20	SW	4	ir	39	85	7	6	2	-	9	10	800	1	2	45	36	30	0.3	0.5	*			
	Wick	81	976.0	+2	SW	4	bc	40	92	8	8	4	-	2-3	4-6	974.3	-10	SW	6	c	41	75	8	8	7	-	4-6	7-8	1500	1	3	45	38	*	0.1	1	0.0	
16	Lerwick	156	974.6	+4	S	5	c/r	45	75	8	8	7	-	4-6	7-8	975.5	+12	S	3	c/r	44	85	8	8	7	-	4-6	7-8	1500	1	*	48	42	*	3	1	0.0	
17	Blackod Point	18	982.9	-8	W	7	bc	42	85	8	3	-	2-3	2-3	979.3	-12	W	7	bc	45	85	8	3	-	-</													

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday 2nd December, 1938.
No. 28134

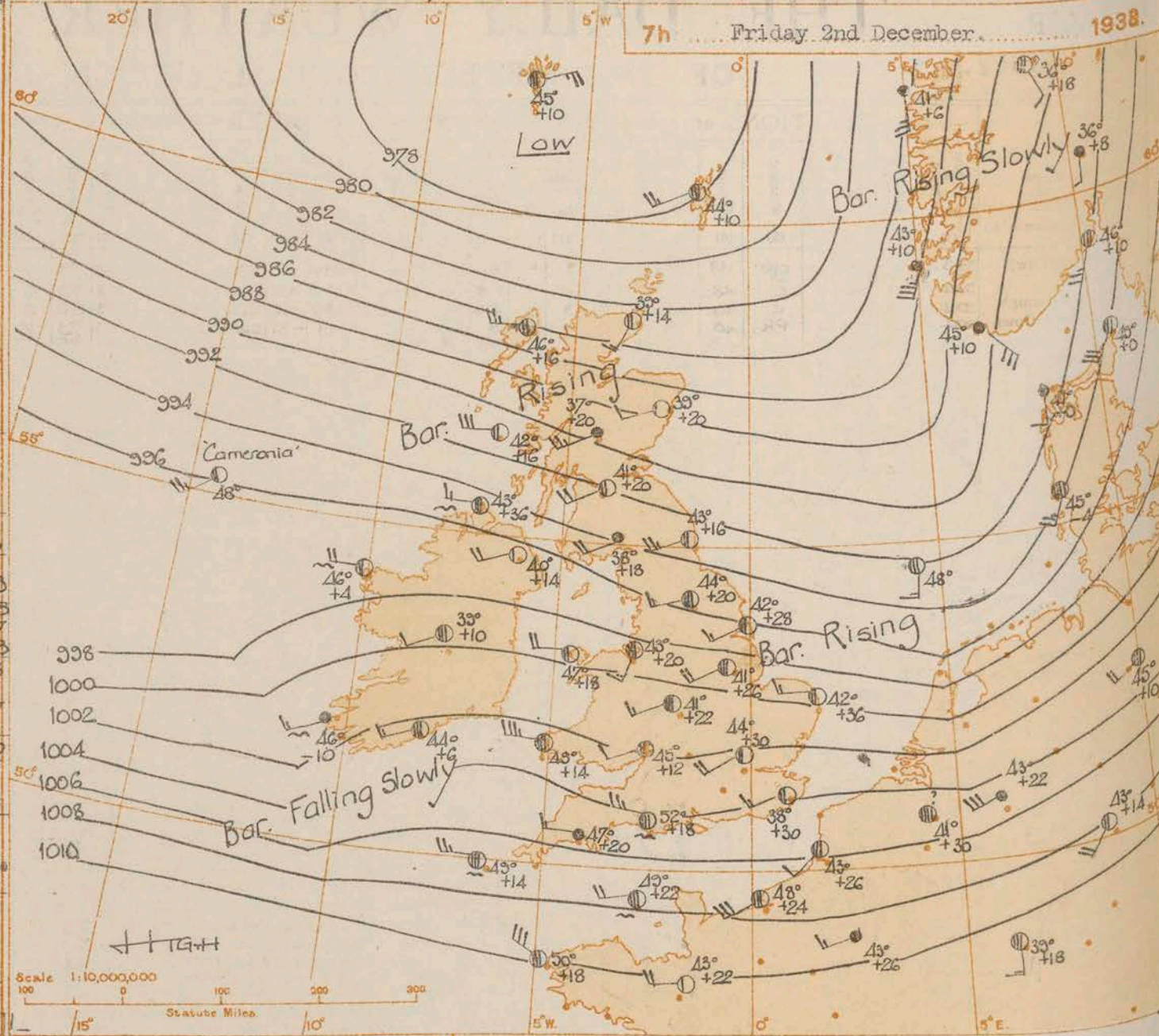
STATIONS.	OBSERVATIONS at 13h. G.M.T. 1st December.														OBSERVATIONS at 18h. G.M.T. 1st December.														PAST 24 HOURS.						
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.			State of Ground.	Sea.	WEATHER.										
			Dir.	Force					Low	Med.	High			Low	Total					Height of Base (feet)	Dir.	Force			Low	Med.	High	Low	Total	Height of Base (feet)	7h.—13h. (1st)	13h.—18h. (1st)	18h.—1st 2nd	1st—7h. 2nd	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)		
(For heights see p. 4.)																																			
1 London (Kew)	993.8	-8	SW	4	cjp	48	65	6	8	5	-	4-6	3	1200	993.4	0	SSW	4	bc	44	75	7	-	-	1	0	4-6	-	1	*	cbbcm.	cmgprtc	bcprc	bemo	
Croydon	994.7	-6	SW	5	c	48	65	7	8	4	-	7-8	7-8	4000	994.5	+2	SSW	5	z	43	75	6	-	-	6	0	7-8	-	1	*	cmgprc	PRgbc	cmgprtc	bpc	
S. Farnborough	994.3	-10	SW	4	c	46	65	8	8	3	3	4-6	7-8	4000	993.7	-4	SSW	4	c	43	85	8	-	7	2	0	7-8	-	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
Boscombe Down	994.4	-6	W/N	6	PR	45	75	7	9	1	-	3	3+	800	993.1	-8	SW	4	c	43	75	7	8	3	-	4-6	7-8	4000	1	2	*	cmgprc	cmgprtc	cmgprtc	bpc
Calshot (Stmtn.)	996.2	-6	SW	5	cjp	43	65	8	9	7	-	7-8	3	1500	996.0	0	SW	4	bc	47	75	7	8	1	-	1	2-3	2500	1	2	*	cmgprc	cmgprtc	cmgprtc	bpc
Lympne	996.6	0	SW	4	b	48	65	8	8	6	-	Tr	1	2500	997.0	+8	SW	5	c	38	85	8	2	-	Tr	Tr	2500	1	4	*	cmgprc	cmgprtc	cmgprtc	bpc	
Manston	994.9	-4	SW	5	b	49	65	8	8	6	-	Tr	1	2500	995.0	+2	SW	4	b	40	85	7	-	-	-	0	0	-	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
2 Shoeburyness	994.8	-6	SW	4	b	49	65	7	-	-	2	0	Tr	-	994.4	+2	SW	4	b	43	85	7	-	-	-	0	0	-	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
Felixstowe	993.9	-2	SSW	4	b	48	65	8	-	-	0	0	-	-	993.5	+4	SSW	4	b	43	75	6	-	-	-	0	0	-	0	3	*	cmgprc	cmgprtc	cmgprtc	bpc
Gorleston	991.6	-2	SW	4	b	48	65	7	-	-	0	0	-	-	991.7	-4	SW	4	c	43	75	6	-	-	8	0	4-6	-	1	2	*	cmgprc	cmgprtc	cmgprtc	bpc
Mildenhall	991.6	-4	SW	5	b	47	75	8	-	3	5	0	Tr	-	990.4	-4	SSW	5	c	43	75	8	-	1	-	0	7-8	-	0	*	cmgprc	cmgprtc	cmgprtc	bpc	
Cranwell	998.0	-6	SW	5	b	46	75	7	7	5	1	Tr	1	2500	997.6	0	SW	5	rr	41	92	6	5	2	-	9+	10	2500	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
3 Birmingham	990.1	0	SW	4	c	44	75	6	5	7	-	4-6	7-8	2500	988.8	-4	SW	4	ig	40	92	8	6	7	-	4-6	3	1500	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
Upper Heyford	993.1	-2	SW	4	pr	45	75	8	5	-	-	3+	3+	1500	991.4	-6	SW	4	c/pr	41	92	7	5	7	-	7-8	10	2500	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
Ross-on-Wye	991.8	0	SW	4	c	44	75	7	3	-	3	7-8	7-8	2500	989.8	-8	SW	5	ig	44	85	7	6	-	-	10	10	1500	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
4 Hartland Point	992.8	0	NW	6	c	49	75	8	3	-	-	7-8	7-8	1500	991.9	0	WNW	8	c/pr	45	85	8	9	2	-	3+	3	1500	1	5	*	cmgprc	cmgprtc	cmgprtc	bpc
Bristol	993.2	-2	SW	5	c/pr	42	85	8	5	1	8	4-6	7-8	2500	991.6	-8	WSW	4	pr	45	75	7	9	-	-	3	3	1500	1	5	*	cmgprc	cmgprtc	cmgprtc	bpc
Portland Bill	995.0	-14	N	6	pr	49	92	7	5	-	-	7-8	7-8	2500	994.4	-4	W	6	c	51	92	7	5	-	-	7-8	7-8	2500	1	5	*	cmgprc	cmgprtc	cmgprtc	bpc
Plymouth	996.5	+4	W	5	c/pr	50	65	7	3	-	-	7-8	3	1500	997.1	+6	W	5	c/pr	50	65	8	5	-	-	3+	3+	1500	1	4	*	cmgprc	cmgprtc	cmgprtc	bpc
The Lizard	997.8	+4	W	5	bc	49	75	8	3	-	-	4-6	4-6	2500	997.9	+2	W	8	bcq	49	85	7	8	-	-	4-6	4-6	2500	1	4	*	cmgprc	cmgprtc	cmgprtc	bpc
Scilly (St. Mary's)	996.7	-6	W	7	bcjp	49	65	8	8	6	-	4-6	4-6	1500	996.3	+14	W	7	bc/pr	49	75	7	8	6	-	4-6	4-6	1500	1	5	*	cmgprc	cmgprtc	cmgprtc	bpc
Guernsey	993.3	0	SW	4	bc	50	75	7	2	3	-	4-6	4-6	1500	993.3	+2	W	5	dpr	48	65	7	8	-	-	7-8	7-8	2500	1	4	*	cmgprc	cmgprtc	cmgprtc	bpc
5 Pembroke	989.3	+2	W	5	cq	50	65	7	5	-	-	3+	3+	1500	990.5	+24	W	8	bcq	50	75	7	8	-	-	4-6	4-6	1500	1	5	*	cmgprc	cmgprtc	cmgprtc	bpc
Holyhead	983.8	-4	WSW	6	cjp	47	65	7	9	7	-	7-8	10	1500	984.6	+6	W	6	bc	47	85	8	9	2	-	7-8	10	1500	1	3	*	cmgprc	cmgprtc	cmgprtc	bpc
Chester (Sealand)	986.0	-2	SSW	3	c	50	65	8	8	3	-	3	3	2500	985.7	+2	SSW	2	c	43	85	7	8	6	5	4-6	7-8	2500	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
Manchester	985.4	-6	SW	4	c	48	65	7	8	3	1	2-3	3	2500	985.6	+6	SSW	3	z	40	85	6	8	4	-	1	1	2500	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
6 Spurn Head	985.6	-12	SW	5	cq	46	75	6	-	3	4	0	7-8	-	986.1	0	SW	5	cq	42	85	7	-	-	0	7-8	-	0	4	*	cmgprc	cmgprtc	cmgprtc	bpc	
Catterick	981.5	-10	WSW	5	pr	46	85	7	3	6	3	4-6	3	1500	983.3	+16	S	2	dpr	40	85	8	5	3	-	7-8	7-8	1500	1	4	*	cmgprc	cmgprtc	cmgprtc	bpc
Tynemouth	981.1	0	S	2	c	41	85	5	8	-	-	7-8	7-8	1500	981.8	+12	SW	3	dpr	42	75	6	5	-	-	10	10	1500	1	1	*	cmgprc	cmgprtc	cmgprtc	bpc
7 St. Abbs Head	978.3	0	SW	5	bc	40	75	8	8	6	-	2-3	4-6	2500	979.0	+4	SW	4	bc	38	92	8	7	4	-	2-3	4-6	2500	0	3	*	cmgprc	cmgprtc	cmgprtc	bpc
Loughs	977.8	+4	SW	2	c	41	85	7	8	-	-	3	3	1500	978.3	+10	SW	1	z	40	85	6	8	6	-	7-8	7-8	4000	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
8 Reutrev (Abbots I.)	978.3	-2	SSW	2	c/pr	48	85	7	3	6	-	7-8	3+	1500	980.1	+2	WSW	3	z	41	92	6	4	7	-	4-6	7-8	2500	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
Eakdalemuir	979.2	+2	SW	3	c	38	92	7	5	-	-	10	10	800	981.3	+20	SW	4	c	39	92	8	5	-	-	10	10	1500	1	*	cmgprc	cmgprtc	cmgprtc	bpc	
Point of Ayre	980.2	-4	W	6	c/pr	44	92	8	8	-	-	7-8	3+	1500	981.4	+14	WNW	6	c	46	85	8	8	3	-	7-8	3+	800	1	3	*	cmgprc	cmgprtc	cmgprtc	bpc
9 Tiree	974.0	+2	SW	3	c	47	85	8	8	7	-	4-6	7-8	1500	980.0	+44	NW	6	pr	47	85	8	8	-	-	7-8	7-8	1500	1	4	*	cmgprc	cmgprtc	cmgprtc	bpc
Stornoway	973.6	-6	SSW	5	c	45	85	8	8	7	-	7-8	7-8	4000	975.2	+20	WNW	4	c/pr	42	85	7	3	-	-	7-8	7-8	2500	1	2	*	cmgprc	cmgprtc	cmgprtc	bpc
Dalwhinnie	*	+2	S	3	c	36	85	7	5	2	-	7-8	3+	1500	*	+10	S	3	c	37	85	7	4	7	-	4-6	7-8	2500	0	*	cmgprc	cmgprtc	cmgprtc	bpc	
Aberdeen	976.0	+4	SW	3	bc	41	75	8	5	3	-	1																							

REPORTS from HEALTH RESORTS for 1st December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. to 5h.	Max. 5h. to 9h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	b	bcpb	40	49	5	1	4.5
	Bournemouth	bbe	pbcb	44	49	3	1	4.8
	Ventnor	trbp	pbcb	46	51	2	2	3.4
	Southsea	bbe	cbpc	44	51	7	Trace	5.0
	Bognor Regis	bbe	bc PR	44	51	3	1	4.4
	Littlehampton	bc	bcpbc	43	51	5	1	5.1
	Worthing	b	bcpb	45	51	3	1	3.8
	Brighton	cbb	bpcb	39	51	4	1	3.6
	Eastbourne†	bce	cipcb	45	52	4	1	2.9
	Hastings†	bcpbc	ppbcb	44	52	4	1	3.8
	Folkestone	ocbe	bcaro	43	51	4	0.3	4.0
	Dover	robc	bertc	44	52	4	0.3	4.0
2	Deal	rocb	b	41	49	3	Trace	3.7
	Ramsgate	cp	cpbc	42	50	5	Trace	4.2
	Margate	bcp	bc	41	51	24	Trace	4.1
	Southend	b	bcpb	42	50	1	0.5	4.2
	Clacton-on-Sea	rcbc	bc	42	49	1	-	4.3
	Dovercourt	bcr	b	39	48	2	-	4.5
	Lowestoft	crbcb	b	39	48	3	-	5.1
	Skegness	b	bcc	35	49	1	-	4.2
	Mablethorpe	b	bc	35	46	2	-	5.0
	Cleethorpes	bc	c	35	47	2	-	4.3
	Leamington S.	bbe	cor	38	46	5	0.2	3.5
	Cheltenham†	bbe	coro	39	45	7	3	2.6
3	Bath	bbe	cpbcb	41	47	6	0.5	2.5
	Weymouth	cbbe	ccb	46	50	3	-	3.3
	Jersey	pebc	cpc	46	53	3	6	2.3
	Torquay	bbe	bcpbcp	44	50	5	0.3	4.7
	Falmouth	cvhbc	b	44	49	4	2	4.3
	Penzance	hbqgc	bbege	43	50	7	-	3.8
	St. Ives							
	Bude	qpbc	qpbc	45	51	4	2	1.7
	Ilfracombe	ortlr	qpcbr	44	50	6	2	2.4
	Aberystwyth	cor	cr	44	51	5	1	0.0
	Llandudno	rcbc	rhcr	43	48	5	1	0.7
	Colwyn Bay	cbcc	copbc	42	49	7	1	0.6
4	Rhyl	crebc	cpbcb	41	48	6	1	2.5
	Wallassey	rcbc	bccir	41	48	6	1	2.0
	Southport	rcbcb	cpbcb	40	48	7	3	1.3
	Blackpool	oirc	bccir	39	48	11	5	1.3
	Morecambe							
	Ilkley	cro	ro	37	45	8	14	0.3
	Harrogate	cbp	cbp	38	44	4	12	1.0
	Berwick-on-T.	bbe	cbcb	37	42	0.4	-	2.8
	Dunbar	bcr	bc	37	43	0.3	-	4.0
	Troon	cpcc	cpcc	41	47	3	0.3	0.1
	Douglas	cir	cpr	40	45	4	1	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd December, 1938.
1 S.E. England	Fresh southerly winds, strong locally, veering southwest and moderating later; cloudy, occasional rain, becoming fairer later; chance of local fog at night; average temperature, local ground frost.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	Fresh southwest to west winds, strong at times, moderating later; bright and cloudy periods, occasional showers or rain or hail with snow on high ground; average temperature, local frost at night.
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	Fresh southwest to west winds falling light temporarily; occasional rain at first and probably late in periods; average temperature.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	Fresh southwest to west winds falling light temporarily; occasional rain at first and probably late in periods; average temperature.
20 S.W. Ireland	

BAROMETRIC. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibar is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression is centred near the Faeroes and a secondary off Ireland will move east. There will be showers of rain or hail in the North and some more general rain in the South.

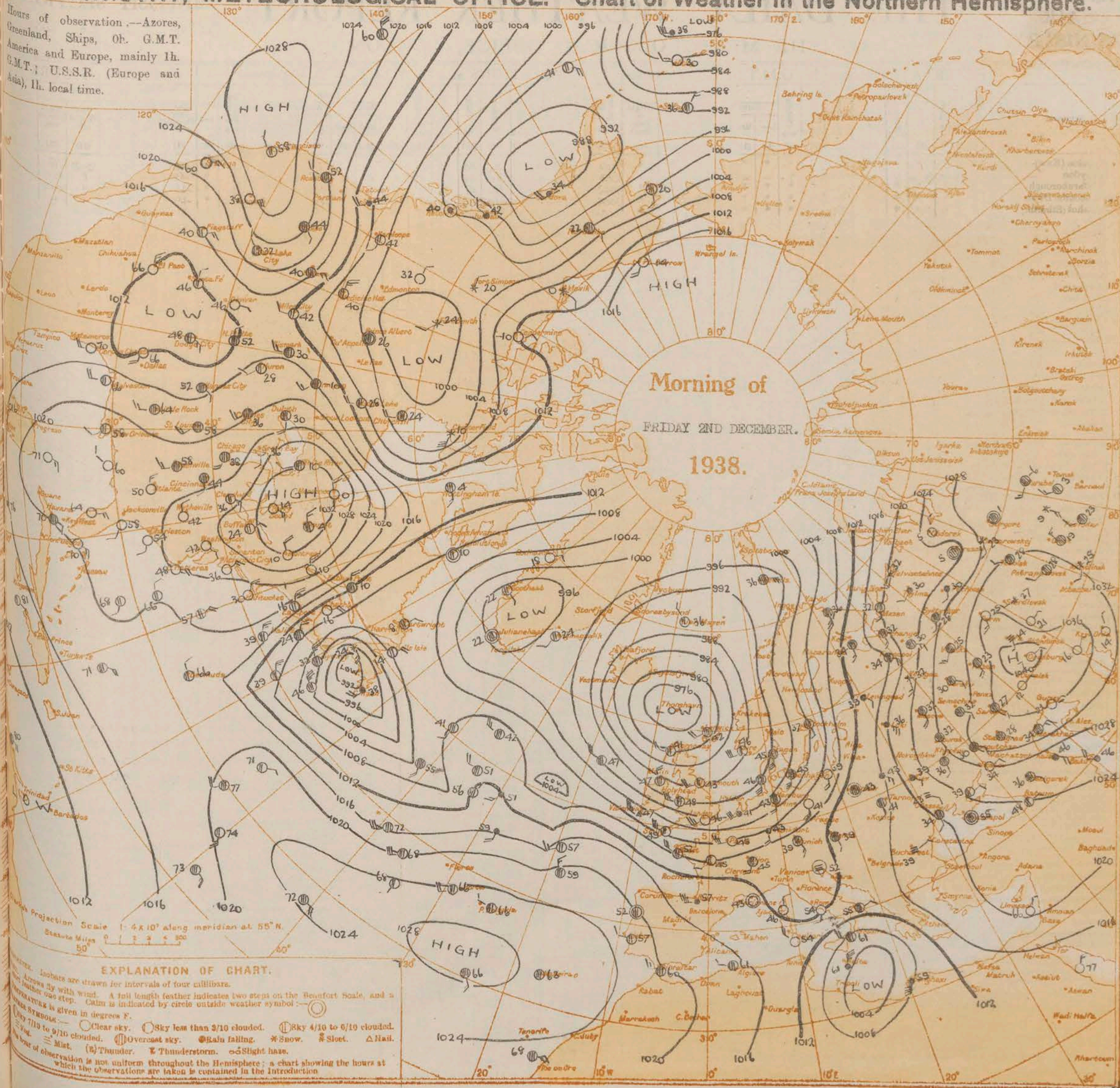
FURTHER OUTLOOK.

Unsettled.

Forecasts issued at 1030 G.M.T. N. K. JOHNSON, M.Sc., A.R.C.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation.—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



PAST 24 HOURS.

[illegible]

N. K. JOHNSON, M.Sc., A.R.C.S., Director.

§ Sea disturbance reported from Dungeness.

PAST 24 HOURS

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

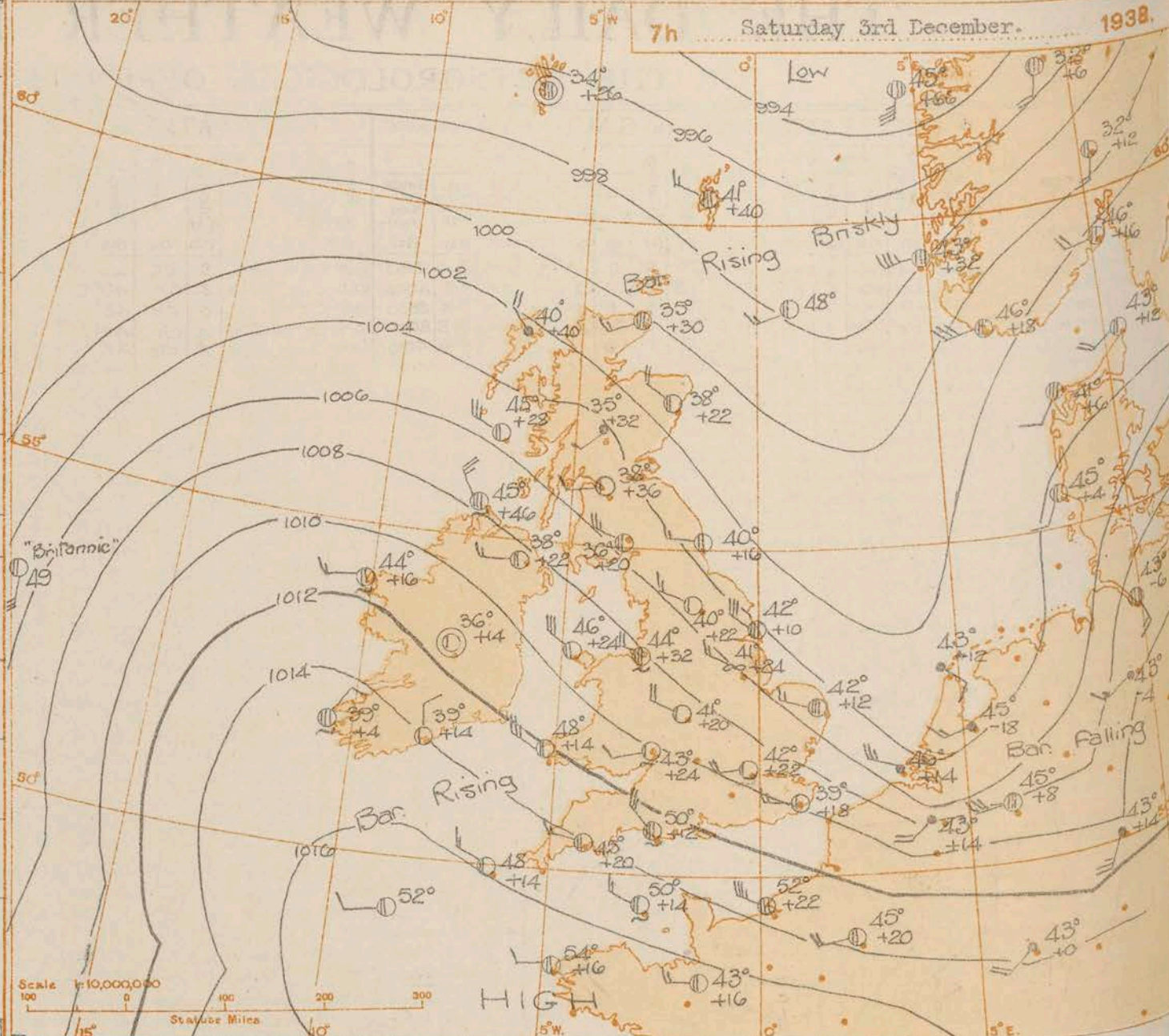
COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

COLUMN 29.—STATE OF GROUND.

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Forenoon.	Afternoon.	Min.	Max.	Night.	Day.	
				9h. to 12h.	12h. to 3h.	12h. to 3h.	3h. to 9h.	
1	Tunbridge W.	b	bbcc	34	50	0.5	-	5.5
	Bournemouth	bbe	crro	42	51	1	1	3.3
	Ventnor	rbe	bore	43	52	0.5	2	3.4
	Southsea	bbe	bcor	44	51	-	1	3.9
	Bognor Regis	bbe	bcor	41	52	-	Trace	4.8
	Littlehampton	bc	bcc	37	52	0.2	-	4.6
	Worthing	b	bbcc	38	53	Trace	Trace	4.9
	Brighton	b	bbcc	41	51	-	Trace	4.6
	Eastbourne	b	bbcc	43	52	0.3	0.1	4.4
	Hastings	bbe	bbcc	42	52	0.3	-	6.1
	Folkestone	m,bb	bbcc	38	51	1	-	5.6
	Dover	bc	bcco	42	53	1	-	6.3
	Deal	b	bbc	40	51	1	-	5.8
	Ramsgate	bc	bcc	41	52	-	-	5.8
	Margate	bbe	bc	41	52	-	-	5.2
2	Southend	b	bbcc	41	52	Trace	-	5.9
	Clacton-on-Sea	bc	bcm	41	50	Trace	-	5.5
	Dovercourt	brc	b	39	50	Trace	-	5.9
	Lowestoft	bbcc	bbcc	39	48	2	-	2.3
	Skegness	bbcc	bbcc	39	47	1	-	2.9
	Mablethorpe	bbc	bbcc	38	46	0.5	-	3.0
	Cleethorpe	bbc	bcc	38	47	-	-	2.9
3	Leamington S.	bc	cc	40	49	7	-	3.1
4	Cheltenham	bbcc	bcor	40	50	4	Trace	2.8
5	Bath	bbcc	cc	39	48	3	3	0.6
	Weymouth	bbc	cc	44	53	0.2	3	2.6
	Jersey	bbcc	cc	45	53	3	4	1.1
	Torquay	bbcc	cc	45	50	-	2	2.0
	Falmouth	bbcc	cc	43	53	3	2	1.6
	Penzance	ccip	ccip	44	53	0.3	2	0.6
	St. Ives	ccip	ccip	42	53	3	7	1.1
	Bude	ccip	ccip	42	53	3	7	1.1
	Ilfracombe	ccip	ccip	43	52	4	4	0.8
6	Aberystwyth	bbcc	cc	43	50	2	0.5	2.5
7	Llandudno	bbcc	cc	43	49	2	-	5.0
	Colwyn Bay	bbcc	cc	42	50	3	-	3.6
	Rhyl	bbcc	cc	42	50	2	-	5.0
8	Wallasey	bbcc	cc	42	52	4	Trace	2.4
	Southport	bbcc	cc	43	48	3	3	1.9
	Blackpool	bbcc	cc	42	49	4	-	4.8
	Morecambe	bbcc	cc	42	49	4	-	4.8
9	Ilkley	bbcc	cc	38	48	6	-	3.7
	Harrogate	bbcc	cc	37	47	7	-	4.5
10	Berwick-on-T.	bbcc	cc	37	46	Trace	-	5.6
11	Dunbar	bbcc	cc	38	46	-	Trace	4.5
12	Troon	bbcc	cc	43	48	1	1	0.7
	Douglas	bbcc	cc	41	47	0.3	-	4.4

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



DISTRICTS	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd December, 1938.
1 S.E. England	Moderate westerly winds, falling light; fine at first but local fog forming at night; becoming cloudy later; rather mild by day but local frost at night.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	As 1 - 3.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	Winds becoming southerly and increasing to strong later; mainly fair at first but some local rain or drizzle later; average temperature.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	Southerly winds, increasing to strong or gale; occasional rain; becoming rather mild.

H.M. Stationery Office Press, Kingsway, W.C.2.

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGES from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A wedge of high pressure is moving east across the British Isles and a secondary depression west of Ireland will move northeast. It will be fair or fine in the East apart from fog but in the West and Southwest there will be occasional rain or drizzle. Frost will occur in the East and North at night.

FURTHER OUTLOOK.

Rather mild in the West.

Time of Issue of Gale Warning.

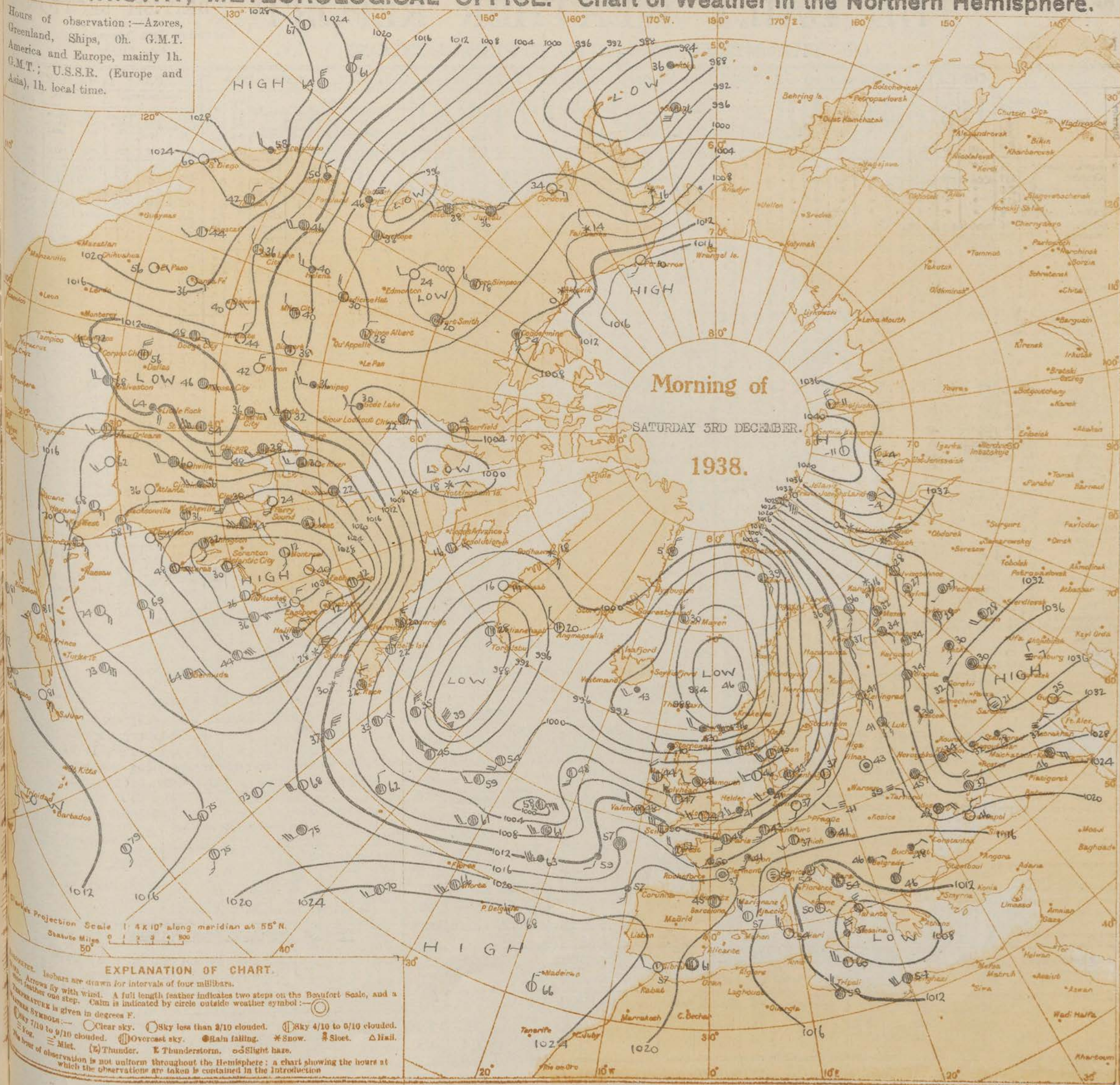
South Cone hoisted at 0840 on 3rd in districts 17 and 20.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 3rd December, 1938.

No. 28135

OBSERVATIONS at 1 hr. G.M.T. 3 rd December, 1938														OBSERVATIONS at 7 hr. G.M.T. 3 rd December, 1938														PAST 24 HOURS.									
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.				State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUNSHINE.			
					Dir.	Force.					Form.	Amount.	Height of Base.	Dir.			Force.	Form.					Amount.	Height of Base.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
																																Low.	Med.		High.	Low.	Total.
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1010.4	+2.6	W'S	3	b	43	85	8	5	-	-	Tr	Tr	2500	1	*	49	40	34	0.2	0.6	4.1		
	Croydon	217	1006.0	+8	WSW	3	b	44	85	7	5	-	-	Tr	Tr	1009.9	+2.2	WS	4	b	42	85	7	5	-	-	Tr	Tr	4000	1	*	50	40	36	0.3	Tr	3.9
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1010.8	+2.6	WSW	4	b	41	85	8	5	-	-	2-3	2-3	2500	1	*	49	40	36	1	0.4	2.0		
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1012.0	+2.6	WSW	3	b	41	85	8	5	-	-	Tr	Tr	2500	1	*	48	38	35	1	0.1	4.0		
	Calshot (Stn. 1st.)	8	*	*	*	*	*	*	*	*	*	*	*	1012.6	+2.0	WSW	3	b	42	92	8	8	5	-	-	Tr	Tr	2500	1	2	52	42	39	0.6	-	6.1	
	Lympne	348	1006.5	+2	WSW	3	c	44	92	7	5	-	-	7-8	1009.7	+1.8	W	3	b	39	86	7	2	-	-	Tr	Tr	4000	1	2	50	38	34	-	1	5.7	
	Manston	154	1004.4	-10	W	4	c	44	92	7	-	3	-	7-8	1008.4	+2.8	WSN	4	c	42	85	7	5	3	-	2-3	7-8	5700	1	*	50	41	37	-	0.2	5.7	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1008.4	+1.6	W	3	b	41	85	8	-	4	1	0	1	-	1	*	51	39	35	-	0.6	5.7		
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1006.8	+2.0	W	5	b	44	75	7	5	4	-	2-3	2-3	4000	1	3	50	42	37	-	1	5.8		
	Gorleston	5	1003.6	-12	WS	2	c	41	85	6	5	-	-	9+	1005.4	+1.2	WSN	3	c	42	92	6	5	-	-	9	9	2500	1	2	48	39	36	-	0.5	2.7	
	Mildenhall	19	1003.6	-2	SW	3	c/pr	42	97	5	5	-	-	7-8	1007.1	+2.6	WS	4	b	41	92	7	5	-	-	4-6	4-6	2500	1	*	49	40	35	-	1	3.0	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1006.1	+2.4	WSN	3	z	41	92	6	5	7	-	-	Tr	Tr	4000	1	*	47	36	33	-	0.5	5.1	
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1009.0	+2.0	WSW	4	b	41	85	8	-	7	-	0	Tr	-	1	*	48	39	37	0.2	1	5.1		
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1010.3	+2.4	W	3	b	39	85	7	-	4	-	0	Tr	-	1	*	49	38	29	0.1	0.3	2.3		
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1011.5	+2.4	WS	2	b	43	65	8	5	-	-	1	1	2500	1	*	50	41	33	-	-	1.4		
5	Hartland Point	299	1008.0	+1.6	NW	5	c	49	85	8	8	-	-	7-8	1013.5	+1.6	NW	5	b	49	75	8	3	-	-	4-6	4-6	1500	1	4	51	47	44	7	-	0.5	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1012.1	+2.2	W	5	b	42	85	7	4	-	-	1	1	2500	1	4	47	41	37	3	0.2	0.5		
	Portland Bill	32	1008.2	+2.8	WSW	5	c	50	85	8	2	-	-	7-8	1012.1	+1.2	NW	5	c	50	92	8	5	-	-	7-8	7-8	2500	1	4	(52)	48	*	2	-	0.7	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1014.6	+2.0	WSN	3	b	45	85	8	8	7	-	-	4-6	4-6	2500	1	1	52	45	39	2	0.4	1.5	
	The Lizard	240	1011.9	+1.8	WSW	4	b	49	85	8	4	-	-	2-3	1015.2	+2.0	WSN	2	b	48	85	8	8	-	-	4-6	4-6	2500	1	1	53	45	*	4	-	2.0	
	Scilly (St. Mary's)	163	1012.7	+2.2	WSW	6	b	50	75	8	4	-	-	4-6	1015.7	+1.4	WSW	3	b	48	85	8	8	-	-	2-3	2-3	2500	1	3	53	47	*	4	-	0.9	
	Guernsey	175	1010.7	+1.8	W	5	pr	51	75	6	8	-	-	7-8	1014.1	+1.4	WSW	3	b	50	75	8	1	3	-	2-3	2-3	2500	1	4	52	49	42	2	1	0.3	
6	Pembroke	142	1008.4	+1.6	WSW	5	c	50	75	7	8	4	-	7-8	1013.1	+1.4	WSW	5	b	48	55	7	8	-	-	4-6	4-6	2500	1	3	52	47	*	Tr	Tr	0.3	
7	Holyhead	26	1004.0	+2.0	WSW	7	b	47	85	8	2	-	-	4-6	1009.9	+2.4	WSW	6	b	46	85	8	2	-	-	2-3	2-3	2500	1	3	51	46	41	2	0.3	4.1	
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1009.4	+3.2	WSN	4	c/pr	44	75	7	8	-	-	7-8	7-8	2500	1	*	51	41	35	-	6	5.6		
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1008.2	+2.8	WSW	4	z	42	75	6	7	-	-	4-6	4-6	4000	1	*	51	41	36	0.4	7	2.2		
10	Spurn Head	29	1001.6	-2	SW	2	c	41	92	6	5	-	-	10	1004.3	+1.0	WSW	6	c	42	92	6	-	9	-	6	7-8	-	1	3	47	46	*	Tr	0.5	5.7	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1005.2	+2.2	WSN	3	b	40	75	8	4	4	-	-	1	1	2500	1	*	48	38	33	0.1	0.5	5.6	
	Tynemouth	108	1001.1	0	WSW	2	c	41	85	6	2	-	-	10	1003.7	+1.6	W	3	b	40	85	8	2	-	-	2-3	2-3	1500	1	1	48	40	35	-	4	4.3	
11	St. Abbs Head	280	999.7	+1.6	SW	3	rr	39	92	6	3	2	-	7-8	1001.4	+1.0	WSW	6	b	40	75	8	8	3	2	2-3	4-6	2500	0	3	46	37	*	Tr	1	4.6	
	Leith	36	*	*	*	*	*	*	*	*	*	*	*	1002.8	+3.0	W	4	b	38	85	8	8	4	3	1	23	1500	1	*	44	36	31	-	1	1.8		
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1005.6	+3.6	WS	2	b	38	85	8	8	-	-	1	1	2500	1	*	47	38	31	1	6	2.8		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1005.1	+2.0	WSW	5	b	36	85	8	5	-	-	4-6	4-6	1500	1	*	44	34	28	-	2	3.0		
	Point of Ayre	30	1002.3	+1.6	NW	6	c	46	85	8	9	-	-	9+	1008.1	+2.4	NW	6	c	45	75	8	9	-	-	7-8	7-8	1500	1	3	49	38	*	-	4	0.7	
13	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1005.5	+2.8	WSW	5	b	45	75	8	8	-	-	2-3	2-3	2500	6	3	48	38	37	1	4	2.8		
14	Stormway	80	996.2	+1.6	SW	2	rr	40	92	7	5	2	-	7-8	1002.4	+4.0	NW	4	pr	40	92	7	5	1	-	4-6	7-8	1500	1	3	45	38	*	1	4	0.1	
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1004.4	+3.2	SW	1	rr	35	85	7	4	7	-	-	4-6	7-8	2500	1	*	40	34	30	4	-	3.4	
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1001.7	+2.2	WSW	4	b	38	85	8	5	7	-	-	1	4-6	4000	1	1	46	35	25	-	-	0.0	
	Wick	81	995.2	+2.0	SSW	3	c	37	97	8	5	7	8	4-6	1000.7	+3.0	WSW	3	c	35	97	8	5	7	-	4-6	7-8	1500	1	2	44	35	*	0.3	0.6	0.0	
16	Lerwick	156	990.0	+0.6	W	4	rr	43	85	8	8	2	-	7-8	997.8	+4.0	WSW	3	c	41	85	8	8	7	-	4-6	7-8	1500	1	*	48	40	*	1	3	0.0	
17	Blackad Point	18	1009.5	+1.2	NW	4	b	46	85	8	9	-	5	4-6	1011.7	+1.6	W	3	b																		

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 4th December, 1938.

No. 28136.

DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 3rd December.														OBSERVATIONS at 18h. G.M.T. 3rd December.														PAST 24 HOURS.							
		Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp.	%Humid.	Visiblity 0-12	Cloud.					Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp.	%Humid.	Visiblity 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.							
				Direc.	Force 0-12					Form.	Amount.	Height of Base (feet)	Direc.	Force 0-12			Form.	Amount.					Height of Base (feet)	Low.	Med.	High.	Low 0-10			Total 0-10	Low 0-10	Total 0-10	Height of Base (feet)	7h.—13h. 3rd.	13h.—18h. 3rd.	18h. to 1h. 4th. 4th.	1h.—7h. 4th.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)				
(For heights see p. 4.)																																					
1	London (Kew)	1015.1	+18	WN	4	c	47	65	6	8	-	-	7-8	7-8	2500	1017.8	+16	W	2	b	43	75	6	5	-	-	Tr	Tr	2500	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
	Croydon	1014.6	+10	W	3	z	47	65	6	2	-	-	3	3	4000	1017.7	+18	SW	2	z	42	85	5	-	-	0	0	-	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	S. Farnborough	1015.4	+10	W	4	bc	48	65	8	1	-	-	4-6	4-6	2500	1018.2	+16	W	3	b	35	85	8	-	-	0	0	-	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Boscombe Down	1016.5	+14	WN	3	b	48	65	8	1	4	-	Tr	1	4000	1018.8	+18	WN	2	z	40	85	6	-	-	0	0	-	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Calshot (Stmnt.)	1016.3	+10	W	3	b	48	65	8	-	-	-	0	0	-	1018.5	+10	W	3	z	42	85	7	-	-	0	0	-	1	2	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Lympe	1014.5	+10	WN	4	b	46	65	6	1	-	-	Tr	Tr	2500	1017.7	+6	W	3	z	40	75	6	-	-	0	0	-	1	2	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Manston	1013.1	+10	WN	4	bc	46	65	6	5	-	-	2-3	2-3	2500	1016.8	+22	WN	2	b	35	85	6	-	-	0	0	-	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
2	Shoeburyness	1013.5	+16	WN	4	b	48	65	7	1	-	-	Tr	Tr	4000	1016.3	+22	WN	2	b	35	75	6	-	-	0	0	-	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Felixstowe	1012.0	+18	WN	5	b	46	65	8	1	-	-	Tr	Tr	2500	1015.6	+20	W	2	z	42	85	6	-	-	0	0	-	0	2	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Gorleston	1010.8	+24	WN	4	bc	45	65	6	2	-	-	2-3	2-3	2500	1014.8	+20	WN	3	z	41	85	6	8	-	-	4-6	4-6	2500	0	2	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
	Mildenhall	1012.1	+14	WN	4	b	45	75	7	-	-	-	0	0	-	1016.1	+22	W	3	b	36	32	7	-	-	0	0	-	0	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Cranwell	1012.3	+18	WN	3	z	45	65	6	-	-	-	0	0	-	1015.3	+14	WN	3	z	38	85	5	-	-	0	0	-	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
3	Birmingham	1014.3	+10	WN	3	c	45	65	6	6	3	-	4-6	7-8	2500	1017.7	+16	SW	1	b	41	75	5	-	-	0	0	-	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Upper Heyford	1015.1	+20	WN	4	c	46	65	8	1	-	-	7-8	7-8	2500	1018.1	+14	W	2	b	37	85	7	5	-	-	Tr	Tr	2500	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
4	Ross-on-Wye	1015.3	+10	W	3	bc	47	65	8	7	-	-	2-3	2-3	4000	1017.7	+10	WN	1	b	41	75	8	5	-	-	Tr	Tr	4000	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
5	Hartland Point	1016.7	+10	WN	3	c	50	85	8	8	-	-	7-8	7-8	1500	1017.4	+4	NE	1	c	48	85	8	5	-	-	3	3	2500	1	3	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
	Bristol	1016.6	+10	W	3	bc	46	75	7	7	-	-	4-6	4-6	2500	1018.5	+10	W	1	z	40	85	6	4	-	-	Tr	Tr	2500	1	1	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
	Portland Bill	1016.3	+20	WN	3	c	50	85	8	2	4	-	7-8	7-8	2500	1018.0	+6	N	2	z	47	85	8	-	-	0	0	-	1	2	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Plymouth	1017.7	+12	W	1	c	51	65	7	7	-	-	3	3	4000	1017.8	0	-	0	46	85	5	5	4	8	4-6	4-6	4000	1	1	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	The Lizard	1017.8	+4	WN	2	c	50	85	8	8	6	-	7-8	7-8	2500	1017.4	0	SSE	3	c	43	75	8	8	7	-	7-8	7-8	2500	1	1	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
	Scilly (St. Mary's)	1017.7	+4	SW	1	c	52	65	8	5	7	-	4-6	7-8	2500	1016.7	-4	SSE	3	c	49	75	8	3	7	-	7-8	7-8	2500	1	3	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
	Guernsey	1017.7	+18	WN	2	bc	53	65	3	4	-	-	4-6	4-6	2500	1018.2	+2	SW	1	bc	46	85	7	-	-	3	-	0	2-3	-	1	2	bmo, bcm	bcm, bmo	bcm, ffx	off bcf	
6	Pembroke	1017.2	+8	WN	3	bc	49	65	8	1	-	-	4-6	4-6	2500	1017.6	+6	E/S	2	c	45	75	7	5	2	-	4-6	4-6	2500	1	2	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
7	Holyhead	1014.3	+14	WN	4	b	48	75	8	2	-	-	4	4	2500	1016.1	+10	-	0	42	75	6	-	-	4	0	2-3	-	1	1	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Chester (Sealand)	1014.0	+14	WSW	4	c	47	75	7	3	3	-	4-6	7-8	2500	1017.4	+22	-	0	35	85	6	4	-	-	2-3	2-3	2500	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
8	Manchester	1013.3	+18	WN	3	z	45	75	6	2	4	-	Tr	2-3	4000	1016.4	+16	WN	2	z	35	97	4	-	-	0	0	-	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
10	Spurn Head	1003.8	+24	WN	5	b	44	75	6	-	-	-	0	0	-	1014.4	+24	WN	5	b	41	85	6	-	-	0	0	-	0	3	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Catterick	1010.7	+20	WN	4	b	45	65	3	-	-	-	0	0	-	1015.1	+28	WN	2	b	39	75	8	-	-	0	1	-	1	1	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Tynemouth	1003.5	+30	W	4	bc	43	75	6	2	3	-	2-3	4-6	2500	1014.2	+22	W	2	bc	40	85	6	2	-	-	2-3	2-3	2500	1	1	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
11	St. Abbs Head	1003.5	+32	WN	5	bc	43	75	6	4	6	-	2-3	4-6	2500	1013.1	+12	WN	3	c	42	75	8	5	3	-	4-6	7-8	2500	0	3	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
	Leuchars	1003.3	+28	WN	4	bc	44	75	3	7	4	1	1	2-3	4000	1013.4	+22	W	1	bc	36	85	6	4	-	-	Tr	Tr	4000	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
	Bentley (Abbots I.)	1010.3	+26	WN	2	bc	45	75	8	1	6	5	1	2-3	4000	1014.3	+12	SW	1	bc	36	92	4	-	-	0	0	-	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Eske Dalemuir	1011.1	+28	WN	4	bc	41	75	8	7	-	-	2-3	2-3	1500	1014.7	+14	W/S	3	b	37	85	8	5	-	-	Tr	Tr	1500	1	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
	Point of Ayre	1013.1	+18	WN	4	bc	47	75	8	8	-	-	2-3	4-6	2500	1015.7	+10	W/S	3	b	39	85	8	-	-	0	0	-	0	1	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
13	Tide	1010.3	+16	WN	2	bc	47	75	8	8	3	1	2-3	4-6	2500	1012.4	+6	SW	2	bc	37	92	8	8	-	-	2-3	2-3	2500	0	2	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
13	Stornoway	1003.4	+20	SW	2	bc	43	85	8	5	4	3	4-6	4-6	2500	1011.5	+2	SW	1	bc	35	75	8	5	-	-	1	2-3	2500	1	1	bmo, bcm	bcm, bmo	bcm, ffx	off bcf		
15	Dalwhinnie	1003.4	+40	0	0	c	35	85	7	4	7	-	4-6	3	2500	1011.6	+18	-	0	31	32	8	4	6	5	Tr	2-3	4000	0	*	bmo, bcm	bcm, bmo	bcm, ffx	off bcf			
	Aberdeen																																				

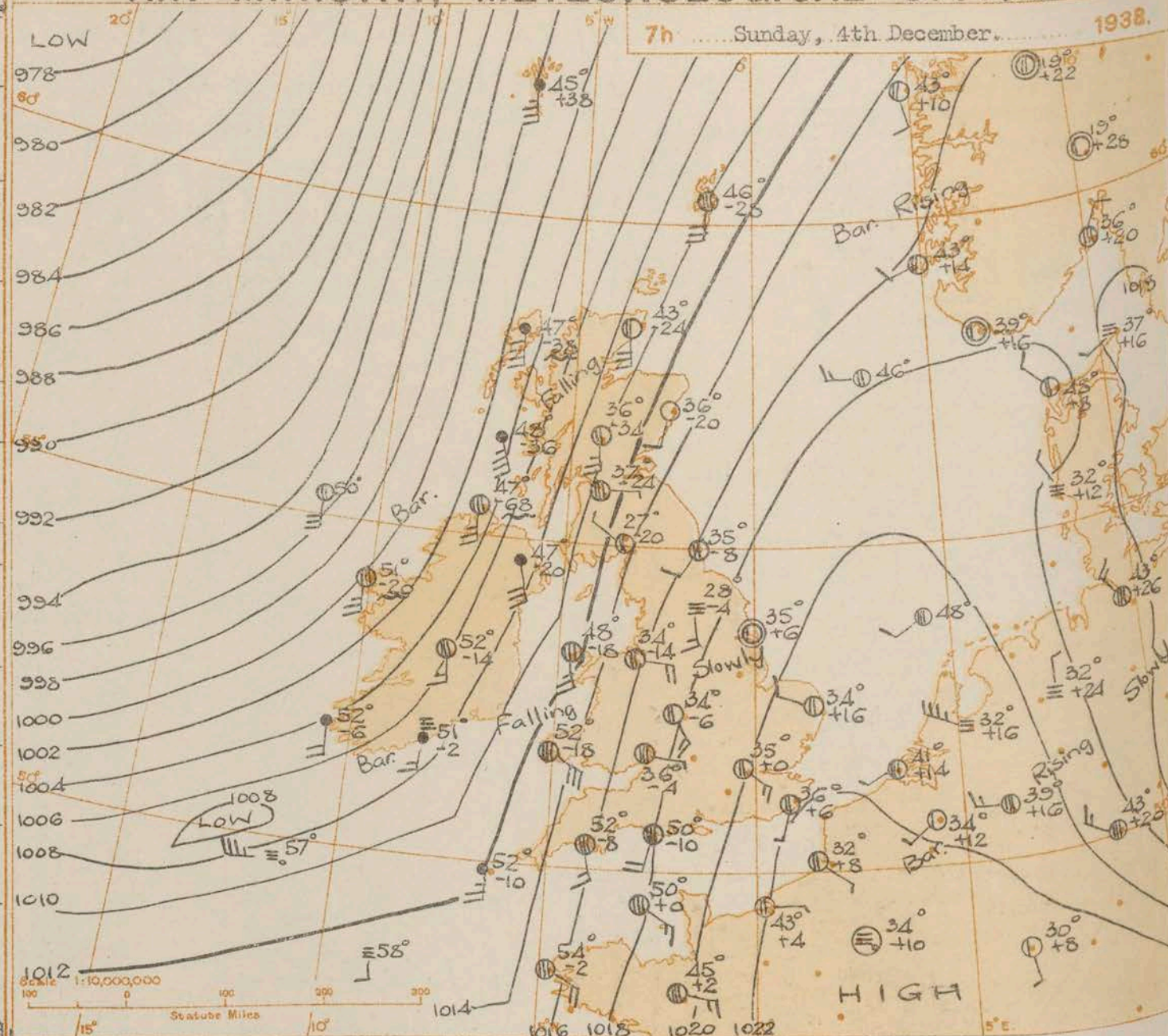
REPORTS from HEALTH RESORTS for 3rd December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs)
		Forenoon.	Afternoon.	Min. 9h. 2nd to 9h. 3rd.	Max. 9h. 17h. 3rd.	Night. 17h. 2nd to 9h. 3rd.	Day. 9h. 17h. 3rd.	
1	Tunbridge W.	b	bbc	38	46	0.3	—	6.7
	Bournemouth	b	b	41	50	0.5	—	6.5
	Ventnor	rbx	bbcb	44	50	1	—	6.7
	Southsea	b	b	44	43	—	—	7.4
	Bognor Regis	b	b	42	43	Trace	—	7.4
	Littlehampton	b	b	38	50	Trace	—	7.1
	Worthing	b	b	40	49	—	—	7.2
	Brighton	b	b	41	49	Trace	—	7.2
	Eastbourne	b	b	43	49	2	—	6.6
	Hastings	b	b	40	51	1	—	7.0
2	Folkestone	m.b	bbc	38	48	1	—	5.5
	Dover	bcb	bbc	41	49	1	—	6.3
	Deal	b	b	41	47	0.5	—	6.4
	Ramsgate	b	b	42	47	Trace	—	6.3
	Margate	b	b	42	47	1	—	6.5
	Southend	b	b	40	49	0.5	—	6.6
	Clacton-on-Sea	bcb	bcb	40	46	3	—	6.6
	Dovercourt	roc	c	40	45	2	—	6.0
	Lowestoft	b	b	40	45	—	—	5.8
	Skegness	b	b	38	46	1	—	6.7
3	Mablethorpe	b	b	36	44	0.5	—	6.7
	Cleethorpe	rb	b	37	44	1	—	6.4
	Leamington S.	bcc	c	38	47	—	—	3.0
	Chesterham	b	b	38	48	—	—	6.3
5	Bath	b	bbc	41	49	0.3	—	6.5
	Weymouth	b	b	44	51	2	—	6.4
	Jersey	dc	bcc	49	55	1	—	2.5
	Torquay	bcb	bccm	42	53	Trace	—	3.7
	Falmouth	b	b	43	53	0.5	—	5.3
	Penzance	bcb	bcc	42	53	0.3	—	3.4
	St. Ives	b	b	46	51	Trace	—	2.7
	Bude	b	b	46	51	Trace	—	2.5
	Ilfracombe	bcb	bcb	46	50	1	—	2.5
	Aberystwyth	bcb	bcb	46	48	1	—	6.5
7	Llandudno	bcb	bcb	42	48	3	—	5.7
	Colwyn Bay	bcb	bcb	42	47	3	—	5.4
	Rhyl	b	b	41	47	5	—	5.1
8	Wallasey	b	b	41	47	3	—	4.4
	Southport	bcb	bcb	40	48	3	—	5.7
	Blackpool	bcb	bcb	41	47	1	0.5	3.8
	Morecambe	bcb	bcb	41	47	3	—	6.1
9	Ilkley	b	b	35	45	2	—	6.3
	Harrogate	b	b	38	45	1	—	6.1
	Berwick-on-T.	b	m.b	36	44	1	—	5.3
	Dunbar	b	b	36	43	0.3	Trace	5.5
	Troon	b	b	41	48	2	Trace	4.8
	Douglas	b	b	41	47	3	—	6.1

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Sunday, 4th December, 1938.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th December, 1938.

1 S.E. England	Light to moderate southerly winds veering southwest later; fair at first, apart from local mist or fog, becoming cloudy with rain later; temperature rising.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Moderate or fresh south winds veering to southwest; cloudy; occasional rain at first, fair later; local coast and sea fog; rather mild.
6 South Wales	
7 North Wales	
8 N.W. England	Fresh or strong southerly winds veering to southwest; cloudy; occasional rain; rather mild.
9 N. Midlands	
10 N.E. England	As 1 - 4.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Fresh or strong south to southwest winds; cloudy; occasional rain at first, fairer intervals later; average temperature.
13 A.W. Scotland & B.N.W. Scotland.	Fresh or strong south to southwest winds, gale in exposed places at first; cloudy; occasional rain or drizzle at first, fairer intervals later; average temperature.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	As 5 - 6.

N.W. Seaboard Office Press Agency W.C.2

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression is centred West of Iceland, while secondary depressions are moving north-north eastwards over our Western seaboard. A rough of low pressure off Southwest England is moving east. Weather will be rather mild with occasional rain in the North and West. In Eastern districts weather will at first be rather cold and mainly fair apart from local mist or fog, but later, it will become milder with local rain or drizzle.

FURTHER OUTLOOK.

Unsettled.

Times of Issue of Gale Warnings.

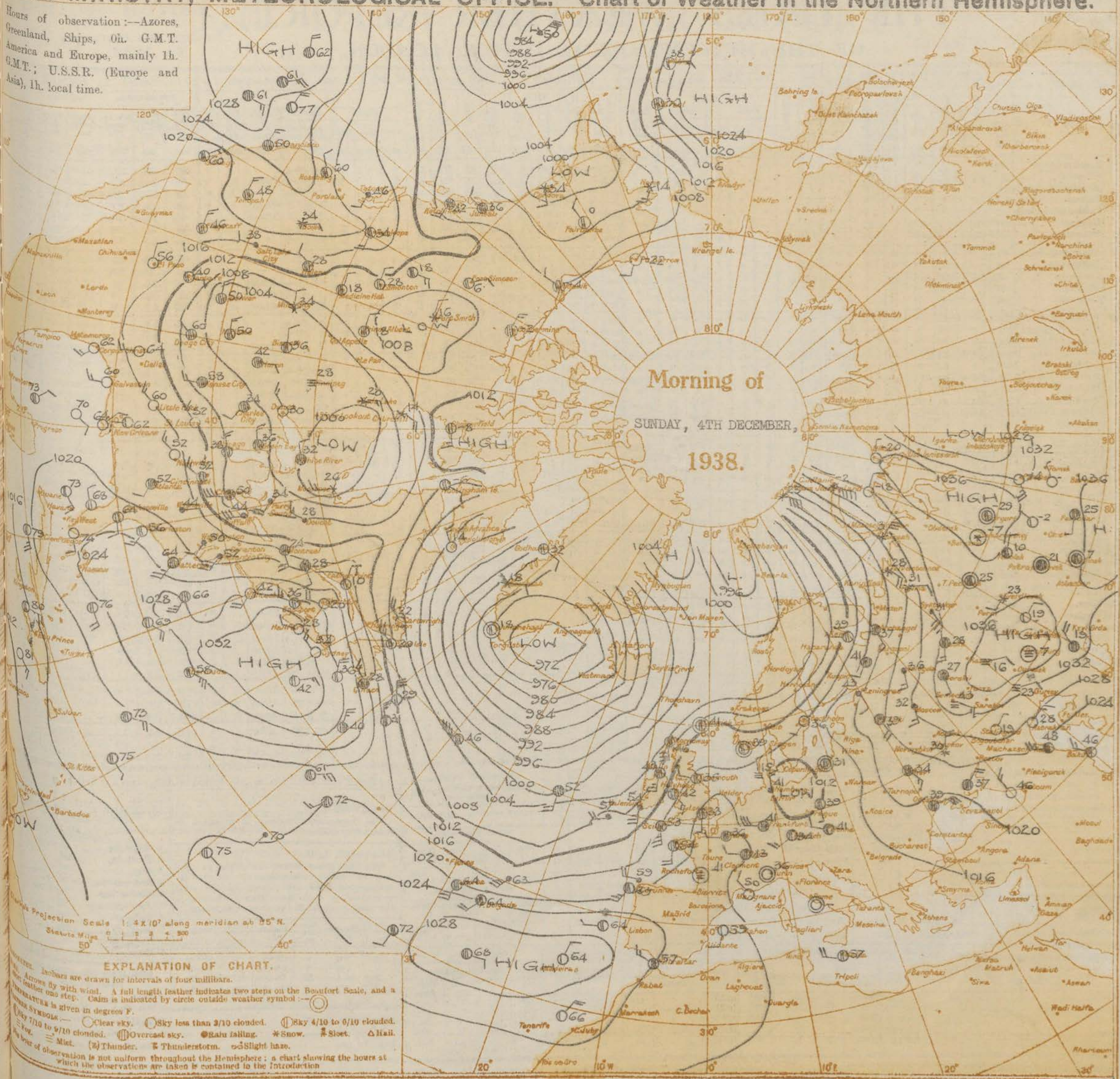
South Cone hoisted at 0245 on 4/12/38 in districts 13A, 13B, and part of 18, and at 0750 in district 16 parts of 12 and 15 and remainder of 18.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 100 200 300
 50
EXPLANATION OF CHART.
 Isobars are drawn for intervals of four millibars.
 Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: —○—
 TEMPERATURE is given in degrees F.
 CLOUD SYMBOLS: —○— Clear sky. —○— Sky less than 2/10 clouded. —○— Sky 4/10 to 6/10 clouded. —○— Sky 7/10 to 9/10 clouded. —○— Overcast sky. —○— Rain falling. —○— Snow. —○— Sleet. —○— Hail. —○— Mist. —○— Thunder. —○— Thunderstorm. —○— Slight haze.
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

PAST 24 HOURS.

‡ Sea disturbance reported from Dungeness.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 5th December, 1938.

No. 28137.

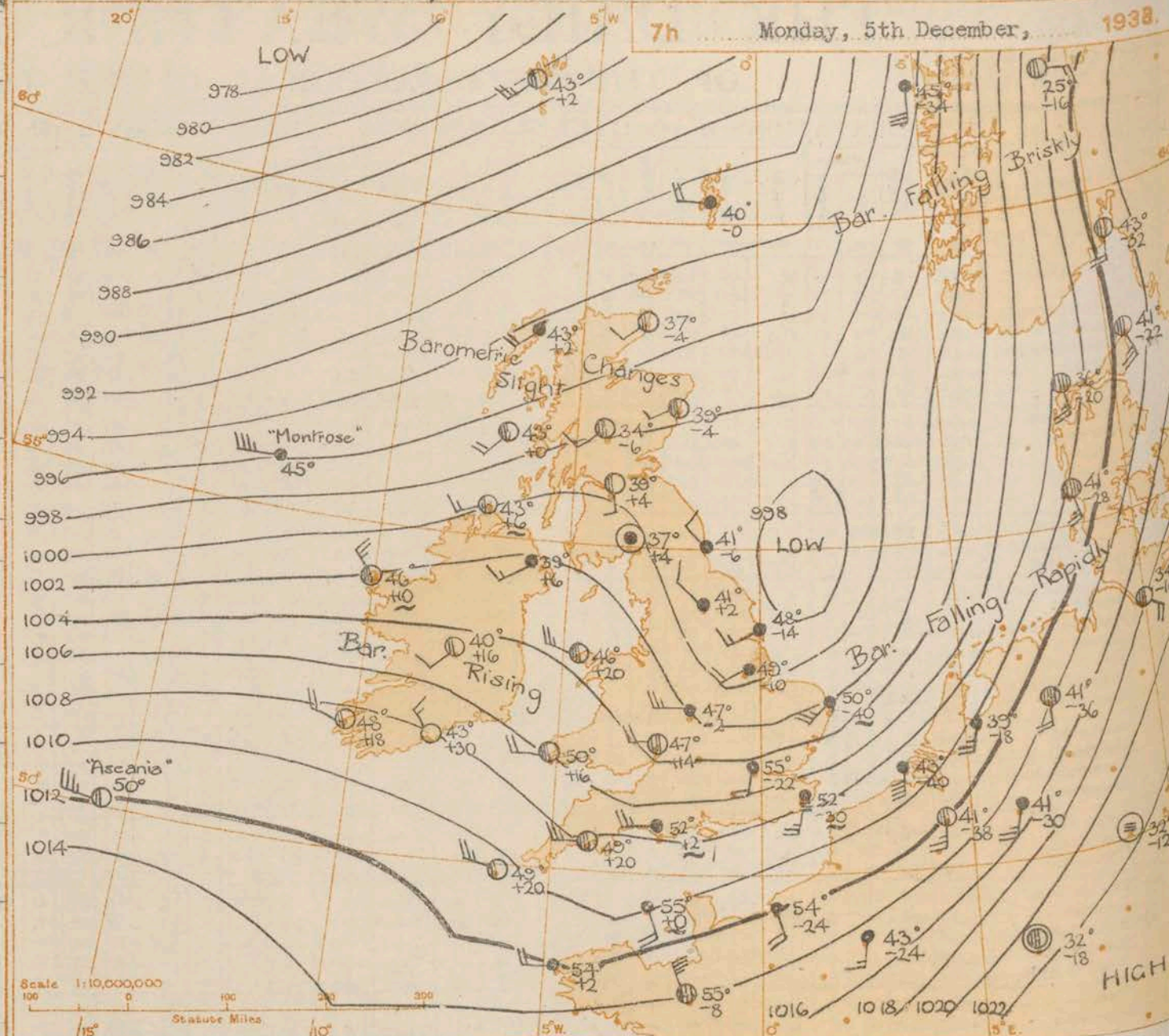
DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 4th December														OBSERVATIONS at 18h. G.M.T. 4th December														PAST 24 HOURS.					
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-10	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-10	Cloud.						State of Ground. 0-9	Sea. 0-9	WEATHER.			
				Dir.	Force 0-12					Form.	Amount.	Height of Base (feet)	Dir.	Force 0-12	Form.			Amount.	Height of Base (feet)					Dir.	Force 0-12	Form.	Amount.	Height of Base (feet)	7h.-13h. 4th			13h.-18h. 4th	18h.-4th 5th	4th.-7h. 5th	
(For heights see p. 4.)		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)
1	London (Kew)	1012.3	-1.2	SE	2	2	47	85	5	5	2	-	7-8	10	4000	1014.2	-2.0	SSE	4	Z	49	85	5	5	-	-	10	10	1500	1	*	effxcm	cm	cidm	cm,cm
	Croydon	1019.3	-8	SE	3	2	47	85	5	7	7	7	7	9	4000	1016.0	-2.2	SSE	5	Z	49	85	5	7	-	-	7-8	9	1500	1	*	bccm	cm	addm	d.c.c.
	S. Farnborough	1013.2	-1.8	SSE	3	2	47	85	5	7	-	-	7-8	10	4000	1014.8	-2.0	S	4	d.d.	49	85	5	-	-	10	10	1500	1	*	cccm	cm	addm	addm	
	Boscombe Down	1017.1	-1.8	SE	4	2	47	97	5	-	-	-	10	10	1500	1014.1	-1.4	S	5	d.d.	49	97	4	5	-	10	10	450	1	*	bemod	addm	addm	addm	
	Calshot (Stmntn.)	1018.8	-6	SE	4	2	51	85	7	5	2	-	7-8	10	2500	1015.7	-1.0	SE	5	d.d.	50	97	5	5	-	10	10	800	1	3	cem	cem	addm	oid.ccm	
	Lymington	1020.4	-8	S	3	2	48	75	7	5	3	-	7-8	7-8	2500	1018.7	-1.0	SE	4	d.d.	47	85	5	5	-	9	9	2500	1	3	bccm	cem	addm	off.d.	
	Manston	1020.4	-1.2	S	3	2	48	75	7	5	-	-	4-6	4-6	4000	1018.2	-1.0	SE	4	Z	49	85	5	5	-	7-8	10	4000	1	*	bemccm	bccm	cidm	off.d.	
2	Shoeburyness	1019.0	-8	SE	4	2	47	85	5	7	7	7	2-3	3	4000	1016.0	-1.8	SSE	4	C	47	85	5	5	7	-	9	9	1500	1	*	bfxcm	cm	cm,cc	cir
	Felixstowe	1020.0	-10	SSE	3	2	47	85	5	-	3	3	0	4-6	-	1017.4	-1.2	SSE	4	Z	47	85	5	-	7	8	0	9	-	0	3	bemccm	cm	cm,cc	cc,add
	Gorleston	1019.5	-4	SSW	3	2	45	65	5	-	-	8	0	2-3	-	1016.3	-1.0	SSW	5	C	47	85	5	-	7	-	0	10	-	1	2	bccm	bccm	oid.ccm	oid.ccm
	Mildenhall	1018.1	-1.8	SSE	4	2	46	75	5	-	7	7	0	7-8	-	1014.3	-2.4	SSE	4	C	46	85	7	-	7	8	0	7-8	-	1	*	bemccm	cm	cm,cc	cc,add
	Cranwell	1016.8	-1.8	SE	3	2	38	32	5	5	2	-	9	10	5700	1019.0	-2.2	SSE	4	Z	44	32	5	5	-	10	10	1500	1	*	bmxcm	cm	cm,cc	cir,RR	
3	Birmingham	1015.0	-2.4	SSE	4	0/r	45	85	5	-	2	-	10	10	1500	1010.8	-2.0	S	4	d.d.	48	97	5	5	-	10	10	800	1	*	bccm	oid	oid	oid	
	Upper Heyford	1017.0	-2.2	SE	3	2	44	85	5	5	3	-	9	10	2500	1013.7	-2.0	SE	4	C	48	92	5	5	-	10	10	450	1	*	bccm	oid	oid	oid	
4	Ross-on-Wye	1014.2	-2.4	S	4	0/r	43	85	5	5	1	-	9	10	1500	1010.3	-1.0	S	4	0/r	51	92	5	5	-	10	10	1500	1	*	cccd	oid	oid	oid	
5	Hartland Point	1011.1	-2.0	S	4	2	53	97	8	8	2	-	4-6	9	800	1008.2	-1.0	SW	5	0/r	54	97	5	-	2	-	10	10	800	1	4	cir	cir	inf,dr	cc,poir
	Bristol	1015.5	-1.8	SE	3	2	49	92	7	5	2	-	7-8	10	1500	1012.3	-1.4	S	4	id	51	97	5	5	-	10	10	800	1	*	cm,de	cid	cid	cid	
	Portland Bill	1016.0	-1.0	S	3	2	52	92	7	5	-	-	10	10	2500	1013.4	-1.0	SW	4	id	53	92	7	5	-	10	10	1500	1	4	c	oid	oid	oid	
	Plymouth	1014.0	-1.4	S	5	2	53	97	5	-	2	-	10	10	450	1012.2	-2	SW	4	id	54	97	5	-	2	-	10	10	450	1	3	cccdm	oid	oid	oid
	The Lizard	1013.0	0	SSW	4	2	53	92	2	5	-	-	10	10	450	1012.2	-2	SW	4	id	54	97	5	-	2	-	10	10	450	1	3	cccdm	oid	oid	oid
	Scilly (St. Mary's)	1012.2	-6	SSW	3	2	53	97	2	-	-	-	10	10	450	1011.4	+2	SW	4	id	54	97	5	-	2	-	10	10	450	1	3	cccdm	oid	oid	oid
	Guernsey	1017.3	-8	SSE	3	2	51	92	5	5	-	-	10	10	1500	1015.0	-1.0	SE	4	0/r	53	97	5	5	-	10	10	1500	1	4	cor	oid	oid	oid	
6	Pembroke	1010.9	-8	S	5	2	54	92	4	5	-	-	10	10	1500	1007.0	-6	SW	5	df	54	97	5	5	-	10	10	800	1	4	odd	oid	oid	oid	
7	Holyhead	1007.2	-2.4	S	5	2	52	85	7	5	2	-	7-8	10	800	1004.7	-6	SW	5	df	53	97	5	5	-	10	10	800	1	3	odd	oid	oid	oid	
	Chester (Sealand)	1011.7	-3.0	ESE	3	2	45	85	5	5	2	-	9	10	2500	1006.0	-2.2	ESE	3	C	50	92	7	5	2	-	9	10	2500	1	*	bemccm	cm	cm,cc	cc,RR
8	Manchester	1012.7	-3.4	SSE	4	2	44	85	4	5	2	-	9	10	800	1008.1	-2.8	SSE	4	id	50	92	7	5	2	-	7-8	10	800	1	*	bemccm	cm	cm,cc	cc,RR
10	Spurn Head	1016.1	-1.0	S	5	2	41	85	5	5	1	-	4-6	10	2500	1011.0	-4	SE	5	0	45	85	5	5	-	10	10	2500	0	4	bemccm	cm	cm,cc	cc,RR	
	Catterick	1013.1	-3.0	SE	5	2	36	97	3	-	-	-	10	10	450	1007.0	-3.2	SE	4	0/r	42	97	5	-	2	-	10	10	1500	1	4	oid	oid	oid	oid
	Tynemouth	1011.4	-2.8	S	4	2	40	85	4	8	-	-	9	9	1500	1005.2	-2.0	S	5	0/r	41	85	5	-	2	-	10	10	1500	1	2	bccm	oid	oid	oid
11	St. Abbs Head	1007.0	-4.0	SSE	4	2	39	85	8	8	2	-	7-8	10	2500	1001.2	-1.2	SSE	4	id	44	92	5	5	2	-	7-8	10	1500	1	4	c	oid	oid	oid
	Leuchars	1005.9	-4.0	SE	2	2	41	85	7	5	2	-	4-6	10	1500	1000.2	-3.0	SW	2	RR	48	92	7	5	2	-	4-6	10	800	1	*	oid	oid	oid	oid
12	Renfrew (Abbots L.)	1004.5	-4.4	SE	2	2	47	75	5	5	2	-	4-6	10	1500	1000.2	-1.0	WSW	4	RR	51	92	7	5	-	10	10	1500	2	*	oid	oid	oid	oid	
	Eskdalemuir	1007.7	-4.0	S	4	2	39	97	5	5	-	-	10	10	2500	1002.5	-1.8	SSW	5	RR	47	97	5	-	2	-	10	10	450	1	*	bemccm	cm	cm,cc	cc,RR
	Point of Ayr	1005.9	-3.0	SSW	5	2	50	97	5	5	2	-	9	10	1500	1003.0	-4	WSW	4	C	53	97	8	8	2	-	9	10	800	1	3	cc,dd	oid	oid	oid
13	Tiree	994.8	-3.0	SSE	7	2	51	97	5	-	2	-	10	10	1500	997.3	+2.0	SW	4	C/d	47	92	7	5	-	9	9	1500	1	4	oid	oid	oid	oid	
14	Stornoway	999.7	-2.0	S	3	2	50	85	7	5	2	-	9	10	2500	993.4	+3.0	SW	4	C/r	46	75	7	5	7	-	4-6	7-8	1500	1	2	cpr	oid	oid	oid
15	Dalwhinnie	999.8	-4.0	S	5	2	40	85	7	5	2	-	7-8	10	1500	993.8	-2	S	2	ir	43	97	7	4	1	-	2-3	10	2500	1	*	cir	oid	oid	oid
	Aberdeen	1006.1	-3.0	SSW	5	2	44	75	5	5	2	-	4-6	10	800	999.8	-3.0	SSW	5	ir	46	92	7	5	2	-	9	10	800	1	3	oid	oid		

REPORTS from HEALTH RESORTS for 4th December 1938.

DISTRICTS	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 4h.	Max. 4h. to 9h.	Night. 9h. to 4h.	Day. 9h. to 4h.	
1	Tunbridge W.	co	co	48	50	-	0.5	0.5
	Bournemouth	o	gd	34	50	-	0.3	0.0
	Ventnor	o	gd	41	51	-	0.0	0.0
	Southsea	o	gd	42	52	-	Trace	0.0
	Bognor Regis	o	gd	35	51	-	Trace	0.7
	Littlehampton	o	gd	32	52	-	0.7	0.0
	Worthing	o	gd	34	52	-	0.0	0.0
	Brighton	o	gd	34	52	-	0.0	0.0
	Eastbourne	o	gd	33	51	-	0.0	0.0
	Hastings	o	gd	32	51	-	0.2	0.0
	Folkestone	o	gd	30	51	Trace	0.0	0.0
	Dover	o	gd	33	51	-	2.1	0.0
	Deal	o	gd	32	49	-	2.2	0.0
	Ramsgate	o	gd	35	49	-	4.0	0.0
	Margate	o	gd	32	50	-	4.0	0.0
2	Southend	bm	bcc	35	51	Trace	2.2	0.0
	Clacton-on-Sea	o	bcc	31	47	-	3.5	0.0
	Dovercourt	o	bcc	32	48	-	4.3	0.0
	Lowestoft	o	bcc	30	46	-	4.0	0.0
	Skegness	o	bcc	30	45	-	3.3	0.0
3	Mablethorpe	o	bcc	29	45	-	1.0	0.0
	Cleethorpe	o	bcc	29	44	-	2.5	0.0
4	Leamington S.	o	o	28	49	0.2	0.0	0.0
	Cheltenham	o	o	32	50	Trace	0.0	0.0
5	Bath	o	o	32	52	Trace	0.5	0.0
	Weymouth	o	o	37	53	-	0.0	0.0
	Jersey	o	o	47	58	-	0.2	0.0
	Torquay	o	o	37	54	-	0.0	0.0
	Falmouth	o	o	44	55	-	2	0.0
	Penzance	o	o	40	50	-	2	0.0
	St. Ives	o	o	40	50	-	2	0.0
	Bude	o	o	40	50	-	2	0.0
6	Ilfracombe	o	o	40	50	-	Trace	0.0
	Aberystwyth	o	o	30	56	-	0.3	0.0
7	Llandudno	o	o	37	56	-	Trace	0.0
	Colwyn Bay	o	o	37	55	-	0.3	0.0
	Rhyl	o	o	35	55	Trace	Trace	0.0
8	Wallasey	o	o	30	48	-	0.5	0.0
	Southport	o	o	32	48	-	2	0.0
	Blackpool	o	o	33	47	-	2	0.0
	Morecambe	o	o	33	47	-	2	0.0
9	Ilkley	o	o	27	46	-	-	0.0
	Harrogate	o	o	31	44	-	-	0.0
10	Berwick-on-T.	o	o	30	44	-	Trace	0.1
	Dunbar	o	o	35	48	-	Trace	0.4
11	Troon	o	o	38	52	-	1	0.0
	Douglas	o	o	37	52	Trace	7	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h. to 9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th December, 1938.

1 S.E. England	Westerly winds fresh to strong at times in squalls; bright periods; occasional rain or hail with perhaps thunder; rather cold with ground frost locally in early morning.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	Southwest to west winds, strong at times; bright periods; occasional rain or hail with sleet or snow on high ground; chance of local thunder; rather cold with ground frost locally in early morning.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 1 - 12.
13 A.W. Scotland	
14 B.N.W. Scotland	
15 Mid Scotland	
16 N.E. Scotland	As 1 - 12.
17 Orkney and Shetland	
18 N.W. Ireland	
19 N.E. Ireland	
20 S.W. Ireland	

† N.W. Stationary Office Press, Kingston W.C.2

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression is almost stationary to the north of Iceland and an associated secondary is moving northeastwards over the North Sea. After rain at first in eastern and southeastern districts of England weather will become mainly fair generally.

FURTHER OUTLOOK.

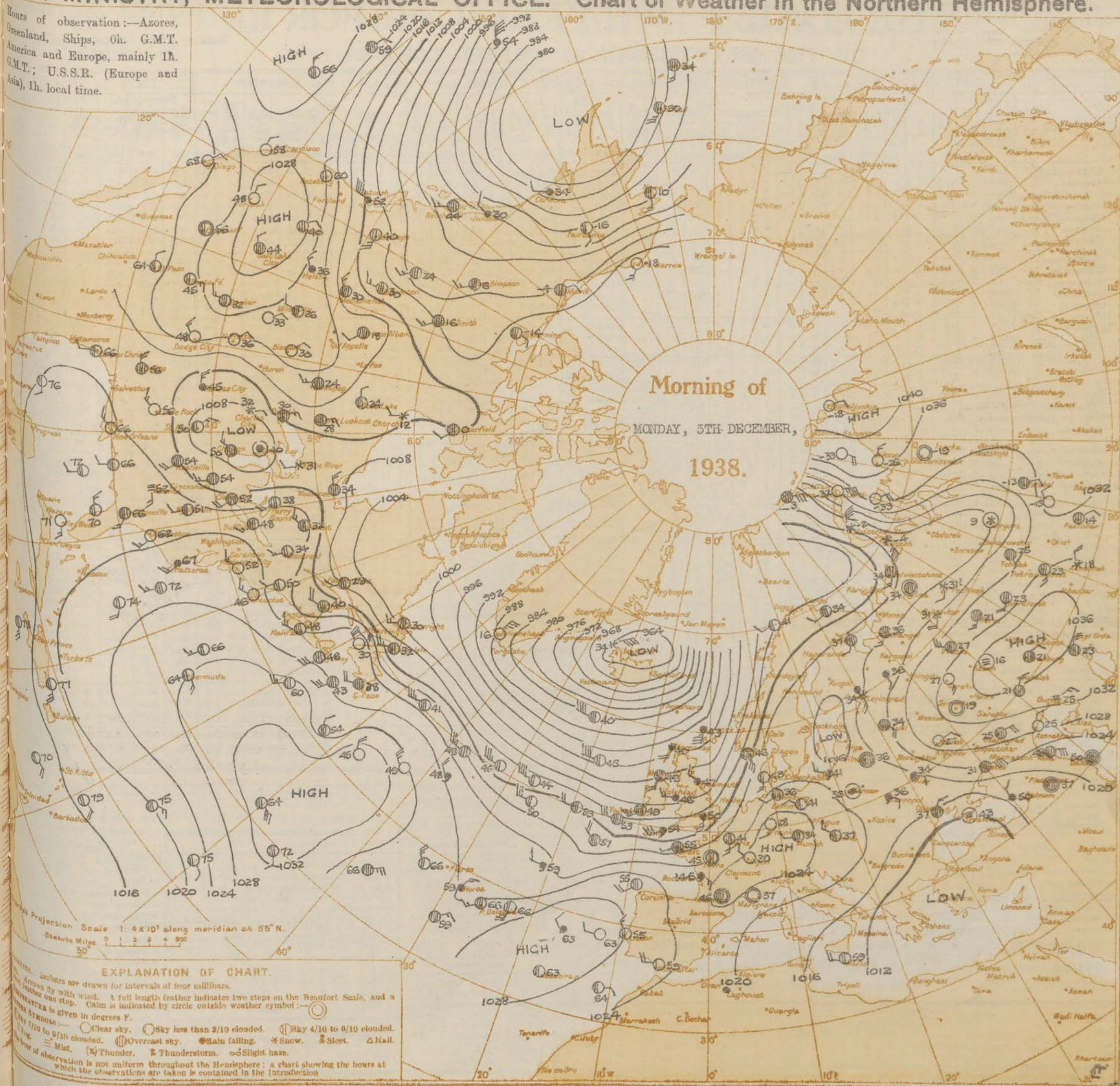
Continuing rather unsettled.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



PAST 24 HOURS.

LONDON OBSERVATIONS												EXPLANATION OF FIGURES, LETTERS, etc.											
Day 7h—18h. Kew & Croydon. 9h—18h. Kensington. 9h—21h. other stations except for rainfall which is 9h—18h.												COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.											
COLUMNS 3, 22—Code for surface visibility.																							
COLUMNS 4, 18. THE BEAUFORT SCALE OF WIND is used only for surface observations. In the ac- companying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.												COLUMNS 30.—Code for State of Sea.											
COLUMNS 34, 35. Tr. = rain has fallen, but amount less than 0.1 mm.												COLUMNS 36, 37.—Code for State of Sky.											
COLUMNS 38, 39.—Code for State of Clouds.												COLUMNS 40, 41.—Code for State of Moon.											
COLUMNS 42, 43.—Code for State of Stars.												COLUMNS 44, 45.—Code for State of Planets.											
COLUMNS 46, 47.—Code for State of Comets.												COLUMNS 48, 49.—Code for State of Meteors.											
COLUMNS 50, 51.—Code for State of Auroras.												COLUMNS 52, 53.—Code for State of Earthquakes.											
COLUMNS 54, 55.—Code for State of Volcanoes.												COLUMNS 56, 57.—Code for State of Storms.											
COLUMNS 58, 59.—Code for State of Hail.												COLUMNS 60, 61.—Code for State of Snow.											
COLUMNS 62, 63.—Code for State of Frost.												COLUMNS 64, 65.—Code for State of Ice.											
COLUMNS 66, 67.—Code for State of Rain.												COLUMNS 68, 69.—Code for State of Wind.											
COLUMNS 70, 71.—Code for State of Thunder.												COLUMNS 72, 73.—Code for State of Lightning.											
COLUMNS 74, 75.—Code for State of Hail.												COLUMNS 76, 77.—Code for State of Snow.											
COLUMNS 78, 79.—Code for State of Frost.												COLUMNS 80, 81.—Code for State of Ice.											
COLUMNS 82, 83.—Code for State of Rain.												COLUMNS 84, 85.—Code for State of Wind.											
COLUMNS 86, 87.—Code for State of Thunder.												COLUMNS 88, 89.—Code for State of Lightning.											
COLUMNS 90, 91.—Code for State of Hail.												COLUMNS 92, 93.—Code for State of Snow.											
COLUMNS 94, 95.—Code for State of Frost.												COLUMNS 96, 97.—Code for State of Ice.											
COLUMNS 98, 99.—Code for State of Rain.												COLUMNS 100, 101.—Code for State of Wind.											
COLUMNS 102, 103.—Code for State of Thunder.												COLUMNS 104, 105.—Code for State of Lightning.											
COLUMNS 106, 107.—Code for State of Hail.												COLUMNS 108, 109.—Code for State of Snow.											
COLUMNS 110, 111.—Code for State of Frost.												COLUMNS 112, 113.—Code for State of Ice.											
COLUMNS 114, 115.—Code for State of Rain.												COLUMNS 116, 117.—Code for State of Wind.											
COLUMNS 118, 119.—Code for State of Thunder.												COLUMNS 120, 121.—Code for State of Lightning.											
COLUMNS 122, 123.—Code for State of Hail.												COLUMNS 124, 125.—Code for State of Snow.											
COLUMNS 126, 127.—Code for State of Frost.												COLUMNS 128, 129.—Code for State of Ice.											
COLUMNS 130, 131.—Code for State of Rain.												COLUMNS 132, 133.—Code for State of Wind.											
COLUMNS 134, 135.—Code for State of Thunder.												COLUMNS 136, 137.—Code for State of Lightning.											
COLUMNS 138, 139.—Code for State of Hail.												COLUMNS 140, 141.—Code for State of Snow.											
COLUMNS 142, 143.—Code for State of Frost.												COLUMNS 144, 145.—Code for State of Ice.											
COLUMNS 146, 147.—Code for State of Rain.												COLUMNS 148, 149.—Code for State of Wind.											
COLUMNS 150, 151.—Code for State of Thunder.												COLUMNS 152, 153.—Code for State of Lightning.											
COLUMNS 154, 155.—Code for State of Hail.												COLUMNS 156, 157.—Code for State of Snow.											
COLUMNS 158, 159.—Code for State of Frost.												COLUMNS 160, 161.—Code for State of Ice.											
COLUMNS 162, 163.—Code for State of Rain.												COLUMNS 164, 165.—Code for State of Wind.											
COLUMNS 166, 167.—Code for State of Thunder.												COLUMNS 168, 169.—Code for State of Lightning.											
COLUMNS 170, 171.—Code for State of Hail.												COLUMNS 172, 173.—Code for State of Snow.											
COLUMNS 174, 175.—Code for State of Frost.												COLUMNS 176, 177.—Code for State of Ice.											
COLUMNS 178, 179.—Code for State of Rain.												COLUMNS 180, 181.—Code for State of Wind.											
COLUMNS 182, 183.—Code for State of Thunder.												COLUMNS 184, 185.—Code for State of Lightning.											
COLUMNS 186, 187.—Code for State of Hail.												COLUMNS 188, 189.—Code for State of Snow.											
COLUMNS 190, 191.—Code for State of Frost.												COLUMNS 192, 193.—Code for State of Ice.											
COLUMNS 194, 195.—Code for State of Rain.												COLUMNS 196, 197.—Code for State of Wind.											
COLUMNS 198, 199.—Code for State of Thunder.												COLUMNS 200, 201.—Code for State of Lightning.											
COLUMNS 202, 203.—Code for State of Hail.												COLUMNS 204, 205.—Code for State of Snow.											
COLUMNS 206, 207.—Code for State of Frost.												COLUMNS 208, 209.—Code for State of Ice.											
COLUMNS 210, 211.—Code for State of Rain.												COLUMNS 212, 213.—Code for State of Wind.											
COLUMNS 214, 215.—Code for State of Thunder.												COLUMNS 216, 217.—Code for State of Lightning.											
COLUMNS 218, 219.—Code for State of Hail.												COLUMNS 220, 221.—Code for State of Snow.											
COLUMNS 222, 223.—Code for State of Frost.												COLUMNS 224, 225.—Code for State of Ice.											
COLUMNS 226, 227.—Code for State of Rain.												COLUMNS 228, 229.—Code for State of Wind.											
COLUMNS 230, 231.—Code for State of Thunder.												COLUMNS 232, 233.—Code for State of Lightning.											
COLUMNS 234, 235.—Code for State of Hail.												COLUMNS 236, 237.—Code for State of Snow.											
COLUMNS 238, 239.—Code for State of Frost.												COLUMNS 240, 241.—Code for State of Ice.											
COLUMNS 242, 243.—Code for State of Rain.												COLUMNS 244, 245.—Code for State of Wind.											
COLUMNS 246, 247.—Code for State of Thunder.												COLUMNS 248, 249.—Code for State of Lightning.											
COLUMNS 250, 251.—Code for State of Hail.												COLUMNS 252, 253.—Code for State of Snow.											
COLUMNS 254, 255.—Code for State of Frost.												COLUMNS 256, 257.—Code for State of Ice.											
COLUMNS 258, 259.—Code for State of Rain.												COLUMNS 260, 261.—Code for State of Wind.											
COLUMNS 262, 263.—Code for State of Thunder.												COLUMNS 264, 265.—Code for State of Lightning.											
COLUMNS 266, 267.—Code for State of Hail.												COLUMNS 268, 269.—Code for State of Snow.											
COLUMNS 270, 271.—Code for State of Frost.												COLUMNS 272, 273.—Code for State of Ice.											
COLUMNS 274, 275.—Code for State of Rain.												COLUMNS 276, 277.—Code for State of Wind.											
COLUMNS 278, 279.—Code for State of Thunder.												COLUMNS 280, 281.—Code for State of Lightning.											
COLUMNS 282, 283.—Code for State of Hail.												COLUMNS 284, 285.—Code for State of Snow.											
COLUMNS 286, 287.—Code for State of Frost.												COLUMNS 288, 289.—Code for State of Ice.											
COLUMNS 290, 291.—Code for State of Rain.												COLUMNS 292, 293.—Code for State of Wind.											
COLUMNS 294, 295.—Code for State of Thunder.												COLUMNS 296, 297.—Code for State of Lightning.											
COLUMNS 298, 299.—Code for State of Hail.												COLUMNS 300, 301.—Code for State of Snow.											
COLUMNS 302, 303.—Code for State of Frost.												COLUMNS 304, 305.—Code for State of Ice.											
COLUMNS 306, 307.—Code for State of Rain.												COLUMNS 308, 309.—Code for State of Wind.											
COLUMNS 310, 311.—Code for State of Thunder.												COLUMNS 312, 313.—Code for State of Lightning.											
COLUMNS 314, 315.—Code for State of Hail.												COLUMNS 316, 317.—Code for State of Snow.											
COLUMNS 318, 319.—Code for State of Frost.												COLUMNS 320, 321.—Code for State of Ice.											
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COLUMNS 334, 335.—Code for State of Frost.												COLUMNS 336, 337.—Code for State of Ice.											
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COLUMNS 342, 343.—Code for State of Thunder.												COLUMNS 344, 345.—Code for State of Lightning.											
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COLUMNS 374, 375.—Code for State of Thunder.												COLUMNS 376, 377.—Code for State of Lightning.											
COLUMNS 378, 379.—Code for State of Hail.												COLUMNS 380, 381.—Code for State of Snow.											
COLUMNS 382, 383.—Code for State of Frost.												COLUMNS 384, 385.—Code for State of Ice.											
COLUMNS 386, 387.—Code for State of Rain.												COLUMNS 388, 389.—Code for State of Wind.											
COLUMNS 390, 391.—Code for State of Thunder.												COLUMNS 392, 393.—Code for State of Lightning.											
COLUMNS 394, 395.—Code for State of Hail.												COLUMNS 396, 397.—Code for State of Snow.											
COLUMNS 398, 399.—Code for State of Frost.												COLUMNS 400, 401.—Code for State of Ice.											
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COLUMNS 422, 423.—Code for State of Thunder.												COLUMNS 424, 425.—Code for State of Lightning.											
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COLUMNS 474, 475.—Code for State of Hail.												COLUMNS 476, 477.—Code for State of Snow.											
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COLUMNS 526, 527.—Code for State of Frost.												COLUMNS 528, 529.—Code for State of Ice.											
COLUMNS 530, 531.—Code for State of Rain.												COLUMNS 532, 533.—Code for State of Wind.											
COLUMNS 534, 535.—Code for State of Thunder.												COLUMNS 536, 537.—Code for State of Lightning.											
COLUMNS 538, 539.—Code for State of Hail.												COLUMNS 540, 541.—Code for State of Snow.											
COLUMNS 542, 543.—Code for State of Frost.												COLUMNS 544, 545.—Code for State of Ice.											
COLUMNS 546, 547.—Code for State of Rain.												COLUMNS 548, 549.—Code for State of Wind.											
COLUMNS 550, 551.—Code for State of Thunder.												COLUMNS 552, 553.—Code for State of Lightning.											
COLUMNS 554, 555.—Code for State of Hail.												COLUMNS 556, 557.—Code for State of Snow.											
COLUMNS 558, 559.—Code for State of Frost.												COLUMNS 560, 561.—Code for State of Ice.											
COLUMNS 562, 563.—Code for State of Rain.												COLUMNS 564, 565.—Code for State of Wind.											
COLUMNS 566, 567.—Code for State of Thunder.												COLUMNS 568, 569.—Code for State of Lightning.											
COLUMNS 570, 571.—Code for State of Hail.												COLUMNS 572, 573.—Code for State of Snow.											
COLUMNS 574, 575.—Code for State of Frost.												COLUMNS 576, 577.—Code for State of Ice.											
COLUMNS 578, 579.—Code for State of Rain.												COLUMNS 580, 581.—Code for State of Wind.											
COLUMNS 582, 583.—Code for State of Thunder.												COLUMNS 584, 585.—Code for State of Lightning.											
COLUMNS 586, 587.—Code for State of Hail.												COLUMNS 588, 589.—Code for State of Snow.											
COLUMNS 590, 591.—Code for State of Frost.												COLUMNS 592, 593.—Code for State of Ice.											
COLUMNS 594, 595.—Code for State of Rain.												COLUMNS 596, 597.—Code for State of Wind.											
COLUMNS 598, 599.—Code for State of Thunder.												COLUMNS 600, 601.—Code for State of Lightning.											
COLUMNS 602, 603.—Code for State of Hail.												COLUMNS 604, 605.—Code for State of Snow.											
COLUMNS 606, 607.—Code for State of Frost.												COLUMNS 608, 609.—Code for State of Ice.											
COLUMNS 610, 611.—Code for State of Rain.												COLUMNS 612, 613.—Code for State of Wind.											
COLUMNS 614, 615.—Code for State of Thunder.												COLUMNS 616, 617.—Code for State of Lightning.											
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COLUMNS 622, 623.—Code for State of Frost.												COLUMNS 624, 625.—Code for State of Ice.											
COLUMNS 626, 627.—Code for State of Rain.												COLUMNS 628, 629.—Code for State of Wind.											
COLUMNS 630, 631.—Code for State of Thunder.												COLUMNS 632, 633.—Code for State of Lightning.											
COLUMNS 634, 635.—Code for State of Hail.												COLUMNS 636, 637.—Code for State of Snow.											
COLUMNS 638, 639.—Code for State of Frost.												COLUMNS 640, 641.—Code for State of Ice.											
COLUMNS 642, 643.—Code for State of Rain.												COLUMNS 644, 645.—Code for State of Wind.											
COLUMNS 646, 647.—Code for State of Thunder.												COLUMNS 648, 649.—Code for State of Lightning.											
COLUMNS 650, 651.—Code for State of Hail.												COLUMNS 652, 653.—Code for State of Snow.											
COLUMNS 654, 655.—Code for State of Frost.												COLUMNS 656, 657.—Code for State of Ice.											
COLUMNS 658, 659.—Code for State of Rain.												COLUMNS 660, 661.—Code for State of Wind.											
COLUMNS 662, 663.—Code for State of Thunder.												COLUMNS 664, 665.—Code for State of Lightning.											
COLUMNS 666, 667.—Code for State of Hail.												COLUMNS 668, 669.—Code for State of Snow.											
COLUMNS 670, 671.—Code for State of Frost.												COLUMNS 672, 673.—Code for State of Ice.											
COLUMNS 674, 675.—Code for State of Rain.												COLUMNS 676, 677.—Code for State of Wind.											
COLUMNS 678, 679.—Code for State of Thunder.												COLUMNS 680, 681.—Code for State of Lightning.											
COLUMNS 682, 683.—Code for State of Hail.												COLUMNS 684, 685.—Code for State of Snow.											
COLUMNS 686, 687.—Code for State of Frost.												COLUMNS 688, 689.—Code for State of Ice.											
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COLUMNS 694, 695.—Code for State of Thunder.												COLUMNS 696, 697.—Code for State of Lightning.											
COLUMNS 698, 699.—Code for State of Hail.												COLUMNS 700, 701.—Code for State of Snow.											
COLUMNS 702, 703.—Code for State of Frost.												COLUMNS 704, 705.—Code for State of Ice.											
COLUMNS 706, 707.—Code for State of Rain.												COLUMNS 708, 709.—Code for State of Wind.											
COLUMNS 710, 711.—Code for State of Thunder.												COLUMNS 712, 713.—Code for State of Lightning.											
COLUMNS 714, 715.—Code for State of Hail.												COLUMNS 716, 717.—Code for State of Snow.											
COLUMNS 718, 719.—Code for State of Frost.												COLUMNS 720, 721.—Code for State of Ice.											
COLUMNS 722, 723.—Code for State of Rain.												COLUMNS 724, 725.—Code for State of Wind.											
COLUMNS 726, 727.—Code for State of Thunder.												COLUMNS 728, 729.—Code for State of Lightning.											
COLUMNS 730, 731.—Code for State of Hail.												COLUMNS 732, 733.—Code for State of Snow.											
COLUMNS 734, 735.—Code for State of Frost.												COLUMNS 736, 737.—Code for State of Ice.											
COLUMNS 738, 739.—Code for State of Rain.												COLUMNS 740, 741.—Code for State of Wind.											
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COLUMNS 778, 779.—Code for State of Hail.												COLUMNS 780, 781.—Code for State of Snow.											
COLUMNS 782, 783.—Code for State of Frost.												COLUMNS 784, 785.—Code for State of Ice.											
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COLUMNS 794, 795.—Code for State of Hail.												COLUMNS 796, 797.—Code for State of Snow.											
COLUMNS 798, 799.—Code for State of Frost.												COLUMNS 800, 801.—Code for State of Ice.											
COLUMNS 802, 803.—Code for State of Rain.												COLUMNS 804, 805.—Code for State of Wind.											
COLUMNS 806, 807.—Code for State of Thunder.												COLUMNS 808, 809.—Code for State of Lightning.											
COLUMNS 810, 811.—Code for State of Hail.												COLUMNS 812, 813.—Code for State of Snow.											
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COLUMNS 834, 835.—Code for State of Rain.												COLUMNS 836, 837.—Code for State of Wind.											
COLUMNS 838, 839.—Code for State of Thunder.												COLUMNS 840, 84											

N. K. JOHNSON, M.Sc., A.R.C.S., Director.

‡ Sea disturbance reported from Dungeness.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 6th December, 1938.

No. 28138.

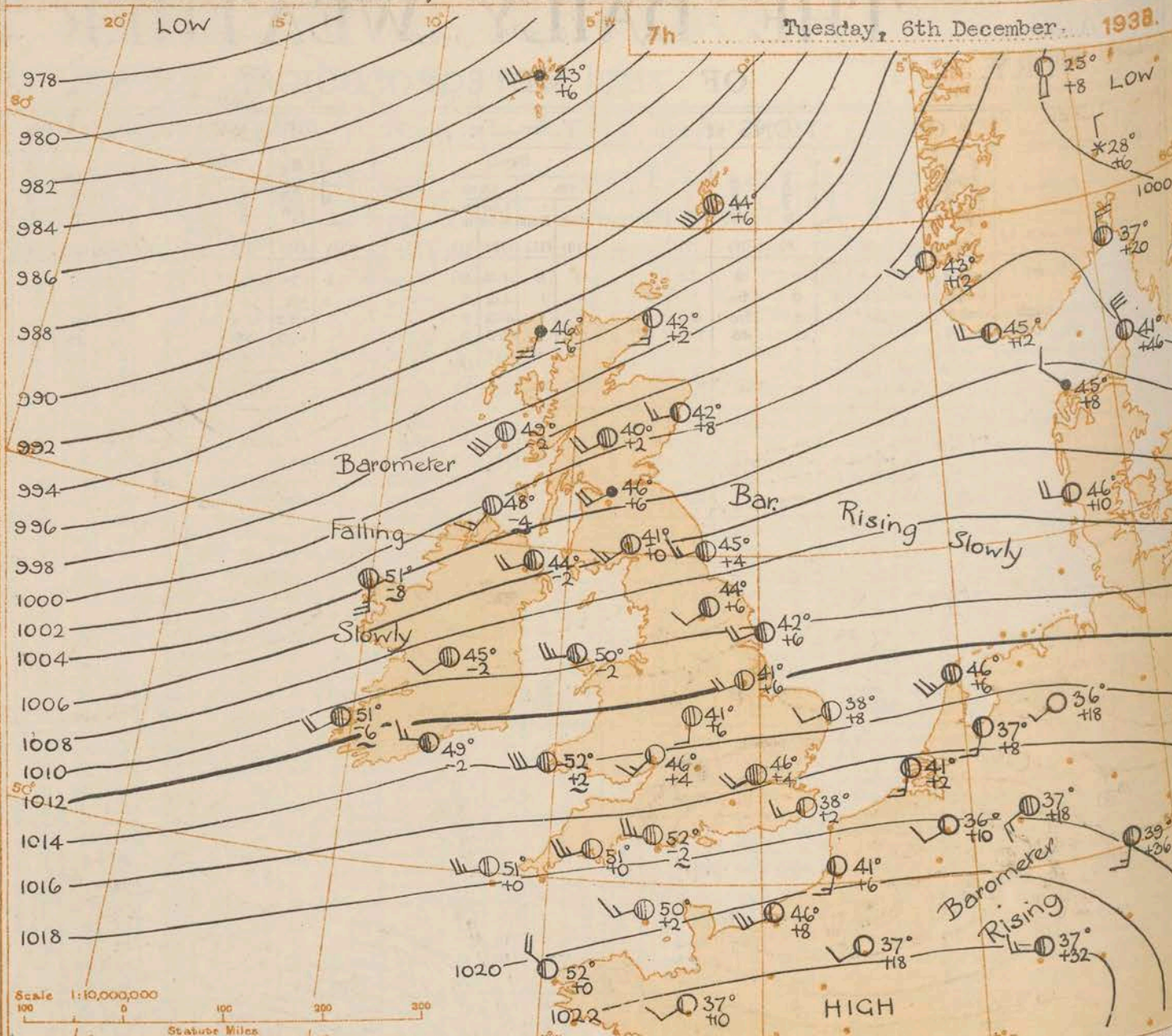
District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 5th December.														OBSERVATIONS at 18h. G.M.T. 5th December.														PAST 24 HOURS.												
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-12	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.												
				Direc.	Force 0-12					Form.	Amount.		Height Base (feet)	Form.			Amount.						Height Base (feet)	Form.	Amount.		Height Base (feet)			7h.-18h. 5th.	18h.-18h. 5th.	18h.5h. to 1h. 6th.	1h.-7h. 6th.									
											Low	Med.					High	Low 0-10							Total 0-10	Low 0-10								Total 0-10	Low 0-10	Total 0-10						
																																					Low	Total	Low	Total	Low	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)									
1	London (Kew)	1008.4	+1.0	W	3	C	51	65	7	7	3	8	4.0	9	2500	1012.8	+2.4	WSW	2	Z	44	75	C	-	-	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
	Croydon	1008.3	+1.4	WS	4	C	50	75	6	1	5	1	4.0	9	4000	1012.5	+3.8	WSW	3	Z	43	85	5	-	-	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
	S. Farnborough	1008.8	+1.0	W	4	C	50	65	8	7	7	1	4.0	9	1500	1013.4	+2.0	WS	2	b	41	85	7	-	3	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
	Boscombe Down	1010.2	+1.0	WSW	5	C	49	75	8	7	7	8	2.3	9	2500	1014.1	+2.0	WS	3	b	41	85	8	-	4	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
	Calshot (Stmnt.)	1010.4	+1.2	WS	4	C	51	75	8	1	7	8	4.0	9	2500	1014.2	+1.0	WSW	2	b	41	85	8	-	4	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
	Lymington	1009.5	+2.0	W	4	C	49	75	8	5	7	-	1	9	1500	1012.7	+2.0	W	3	Z	44	75	5	2	7	-	1	2.3	2500	1	2	cnyrge	cbebmj	bmox	bccmo							
	Manston	1007.8	+2.0	WSW	4	C	49	75	7	5	7	-	2.3	9	2500	1011.0	+2.0	WSW	4	Z	44	75	6	-	3	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
2	Shoeburyness	1007.7	+2.0	WSW	4	C	51	75	7	1	3	8	2.3	9	1500	1012.1	+2.8	W	2	b	43	75	6	-	4	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
	Felixstowe	1006.7	+3.4	W	4	C	49	75	8	7	3	3	4.0	7.8	2500	1011.3	+2.0	WSW	3	b	45	75	7	5	-	-	0	0	-	1	2	cnyrge	cbebmj	bmox	bccmo							
	Gorleston	1004.9	+3.2	WSW	4	C	48	75	6	5	-	2	4.0	7.8	2500	1009.4	+2.0	W	2	bc	42	85	6	-	3	-	0	2.3	-	1	2	cnyrge	cbebmj	bmox	bccmo							
	Mildenhall	1006.1	+2.0	WSW	5	C	48	75	7	5	2	-	4.0	9	1500	1010.4	+2.2	WS	4	Z	40	85	6	-	-	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
	Cranwell	1006.2	+3.0	WSW	4	C	45	85	7	8	7	-	9	9	1500	1009.0	+2.2	WSW	3	Z	37	92	5	-	-	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
3	Birmingham	1007.7	+1.4	WSW	2	bc	45	75	6	2	7	-	4.0	4.0	1500	1011.0	+1.8	WSW	3	b	41	75	8	-	-	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
	Upper Heyford	1008.7	+2.0	WSW	4	C	47	75	8	5	1	8	4.0	9	2500	1012.2	+2.0	W	2	b	37	85	8	-	4	-	0	0	-	1	*	cnyrge	cbebmj	bmox	bccmo							
4	Ross-on-Wye	1009.4	+1.0	W	4	bc	46	65	8	2	1	2	1	2.3	4000	1012.0	+1.2	WSW	3	b/pr	41	85	8	8	-	-	1	1	4000	1	*	cnyrge	cbebmj	bmox	bccmo							
5	Hartland Point	1011.9	+2.0	WSW	4	C	48	65	8	6	8	-	4.0	7.8	1500	1013.3	+1.4	WSW	4	b/pr	48	75	8	3	-	-	4.0	4.0	2500	1	3	cnyrge	cbebmj	bmox	bccmo							
	Bristol	1010.5	+2.2	W	4	C	47	75	8	4	7	8	2.3	9	2500	1013.2	+1.2	W	3	bc	43	75	7	8	-	-	4.0	4.0	2500	1	*	cnyrge	cbebmj	bmox	bccmo							
	Portland Bill	1010.0	+1.0	WSW	4	C	51	85	8	5	4	-	7.8	10	2500	1014.5	+2.0	WSW	4	C	50	85	8	1	-	-	7.8	7.8	2500	1	4	cnyrge	cbebmj	bmox	bccmo							
	Plymouth	1012.7	+1.4	WSW	4	C	51	65	8	8	7	-	2.3	9	2500	1015.2	+1.8	W	3	Z	48	65	6	8	-	-	2.3	2.3	2500	1	2	cnyrge	cbebmj	bmox	bccmo							
	The Lizard	1013.8	+8	WSW	4	C	49	75	8	8	2	-	4.0	7.8	2500	1016.3	+1.0	WS	5	bc	49	85	8	18	-	-	4.0	4.0	2500	1	3	cnyrge	cbebmj	bmox	bccmo							
	Scilly (St. Mary's)	1014.1	+1.0	WSW	5	C	50	75	8	2	6	3	2.3	7.8	1500	1016.2	+1.4	WSW	5	b/pr	49	75	8	2	6	-	-	2.3	2.3	2500	1	5	cnyrge	cbebmj	bmox	bccmo						
	Guernsey	1012.9	+8	WSW	3	bc	51	75	7	5	-	-	10	10	1500	1015.5	+2.0	WSW	3	bc	49	65	9	2	-	-	2.3	2.3	2500	1	4	cnyrge	cbebmj	bmox	bccmo							
6	Pembroke	1010.8	+1.0	WSW	5	bcq	50	65	8	8	-	-	4.0	4.0	2500	1011.0	+1.2	W	7	bcq	50	65	7	2	-	-	4.0	4.0	2500	1	4	cnyrge	cbebmj	bmox	bccmo							
7	Holyhead	1007.1	+2.0	W	5	b	49	55	8	2	8	-	1	1	2500	1008.7	+1.4	WSW	5	b	47	75	8	1	3	-	-	1	1	2500	1	3	cnyrge	cbebmj	bmox	bccmo						
8	Chester (Sealand)	1007.2	+1.8	WSW	4	bc	47	75	8	2	-	-	2.3	2.3	2500	1009.4	+2.2	S	1	Z	43	75	6	4	-	-	1	1	4000	1	*	cnyrge	cbebmj	bmox	bccmo							
	Manchester	1005.9	+1.8	W	4	Z	45	85	6	8	-	-	4.0	4.0	1500	1009.1	+1.8	SW	3	Z	43	75	6	8	3	-	4.0	4.0	2500	1	*	cnyrge	cbebmj	bmox	bccmo							
9	Spurn Head	1003.7	+2.0	WSW	5	C	44	92	7	8	8	-	4.0	7.8	4000	1007.5	+1.0	W	3	bc	43	85	6	-	-	8	0	2.3	-	1	3	cnyrge	cbebmj	bmox	bccmo							
	Catterick	1003.8	+1.8	WS	2	bc	45	65	8	8	-	-	4.0	4.0	2500	1008.8	+2.2	SSE	2	b/pr	40	85	7	8	4	-	4.0	4.0	2500	1	*	cnyrge	cbebmj	bmox	bccmo							
	Tynemouth	1002.3	+1.4	W	4	bc	43	75	7	2	-	-	4.0	4.0	2500	1004.4	+1.0	W	3	bc	42	75	6	5	-	-	2.3	2.3	1500	1	1	cnyrge	cbebmj	bmox	bccmo							
10	St. Abbs Head	1000.0	+4	W	4	bc	43	65	8	8	6	-	2.3	4.0	2500	1001.8	+1.0	WSW	4	b	39	75	8	4	-	-	2.3	2.3	2500	0	3	cnyrge	cbebmj	bmox	bccmo							
	Leuchars	999.6	+2	WSW	4	b	43	75	7	8	8	-	1	1	4000	1001.7	+1.4	SW	2	Z	38	85	6	8	4	-	1	1	1500	1	*	cnyrge	cbebmj	bmox	bccmo							
	Renfrew (Abbots L.)	1001.7	+6	WSW	4	C/pr	42	85	8	9	6	-	7.8	9	1500	1001.9	-2	WSW	3	bc	43	85	8	8	3	-	2.3	2.3	2500	1	*	cnyrge	cbebmj	bmox	bccmo							
	Edinburgh	1002.1	+6	WSW	4	C/pr	41	85	7	5	-	-	4.0	4.0	1500	1004.0	+1.8	S	3	C	37	92	6	5	-	-	9	9	1500	1	*	cnyrge	cbebmj	bmox	bccmo							
	Point of Ayre	1004.0	+1.2	WSW	4	bc	47	75	8	1	4	-	1	2.3	4000	1005.8	+4	W	5	C	45	85	8	5	3	-	2.3	7.8	4000	1	3	cnyrge	cbebmj	bmox	bccmo							
11	Three	997.8	0	SW	5	bc	40	75	8	8	-	-	4.0	4.0	1500	998.1	+2	SWW	5	b/pr	44	92	7	8	-	-	4.0	4.0	1500	1	4	cnyrge	cbebmj	bmox	bccmo							
12	Stormoway	994.8	+2	SSW	4	pr	44	75	8	8	-	-	7.8	7.8	2500	994.2	0	SSW	4	C	44	75	8	3	-	-	7.8	7.8	2500	1	3	cnyrge	cbebmj	bmox	bccmo							
13	Dalwhinnie	*	+10	SW	4	bc	37	85	8	4	6	-	2.3	2.3	4000	999.8	0	SW	3	bc	37	92	8	4	6	-	2.3	4.0	2500	1	*	cnyrge	cbebmj	bmox	bccmo							
14	Aberdeen	997.8	+2	WS	2	b	40	65	8	-	4	-	0	Tr	-	998.5	+1.0	SWW																								

REPORTS from HEALTH RESORTS for 5th December 1938

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 5h.	Max. 5h. to 9h.	Night 17h. to 9h.	Day 9h. to 5h.	
1	Tunbridge W.	oroce	co	37	54	4	0.3	0.7
	Bournemouth	cbe	gebe	44	51	3	Trace	0.8
	Ventnor	roc	ob	49	51	3	-	0.7
	Southsea	c	oebeb	49	51	2	-	0.1
	Bognor Regis	cbe	bee	49	51	2	-	0.4
	Littlehampton	c	cbe	50	53	1	-	0.2
	Worthing	c	cebe	50	52	2	-	0.0
	Brighton	ide	cb	48	53	Trace	3	0.0
	Eastbourne	oro	ceb	50	55	4	0.5	0.0
	Hastings	opc	co	48	54	3	0.3	0.0
2	Folkestone	o	o	45	54	2	Trace	0.0
	Dover	oroce	cebeo	39	55	2	Trace	0.0
	Deal	ro	co	33	55	2	-	0.2
	Ramsgate	oe	c	44	55	2	-	0.2
	Margate	cebe	bee	41	55	2	Trace	0.3
	Southend	oroce	cb	40	52	1	Trace	0.5
	Clacton-on-Sea	oroce	cbe	43	53	1	4	0.1
	Dovercourt	roc	beo	34	54	Trace	-	0.2
	Lowestoft	c	cbe	40	53	3	-	0.5
	Skegness	oebe	b	39	47	8	-	3.4
3	Mablethorpe	orbe	b	31	47	8	-	2.4
	Cleethorpes	cbe	bee	33	45	9	-	2.7
	Leamington S.	be	eppe	44	49	3	Trace	3.5
	Cheltenham	c	cebe	45	55	3	-	2.6
	Bath	cbeb	cebe	42	50	2	-	2.9
	Weymouth	cbe	c	50	52	2	-	0.8
	Jersey	pe	epe	49	54	2	0.2	0.0
	Torquay	cbe	cebe	48	51	3	-	2.2
	Falmouth	epbe	bepbe	46	51	6	0.5	1.3
	Penzance	cde	cebe	48	51	5	0.3	1.6
4	St. Ives	be	bepbe	48	51	0.5	0.4	2.0
	Bude	be	bepbe	48	51	0.5	0.4	2.0
	Ilfracombe	rrcbe	bee	49	51	12	-	1.7
	Aberystwyth	prcbe	bee	47	52	8	-	4.1
	Llandudno	crbe	be	45	48	17	0.1	3.8
	Colwyn Bay	cebe	beb	44	48	11	0.3	3.8
	Rhyl	prcbe	beb	44	48	13	0.3	4.4
	Wallasey	cpbe	be	39	47	16	1	3.4
	Southport	ebep	bepbe	43	48	20	0.1	3.0
	Blackpool	pbe	beb	39	48	23	0.3	3.0
5	Morecambe	cpbe	be	39	47	16	1	3.4
	Ilkley	cp	bee	31	45	9	0.5	4.1
	Harrogate	cb	bepbe	41	45	9	Trace	4.0
	Berwick-on-T.	be	b	34	44	6	-	4.3
	Dunbar	bem	bepbe	39	45	4	Trace	3.8
	Troon	pac	coe	42	47	3	Trace	3.1
	Douglas	cir	bepbe	40	46	15	0.3	5.3

AIR MINISTRY, METEOROLOGICAL OFFICE.

Tuesday, 6th December 1938.



Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th December, 1938.

1 S.E. England	Moderate to fresh westerly winds, backing temporarily; bright periods; scattered showers; rather mild.
2 E. England	
3 E. Midlands	Fresh to strong southwesterly winds, backing; bright periods; showers at first, chance of more general rain later; rather mild.
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate to strong squally southwesterly winds, backing temporarily; occasional rain or hail; rather mild today; average temperature tomorrow.
13 { A.W. Scotl. B.N.W. Scot- land.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	Fresh to strong southwesterly to southerly winds, probably reaching a gale at times; some bright periods at first; occasional rain; rather mild.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

HM Stationery Office Press, Kingsway, W.C.2.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

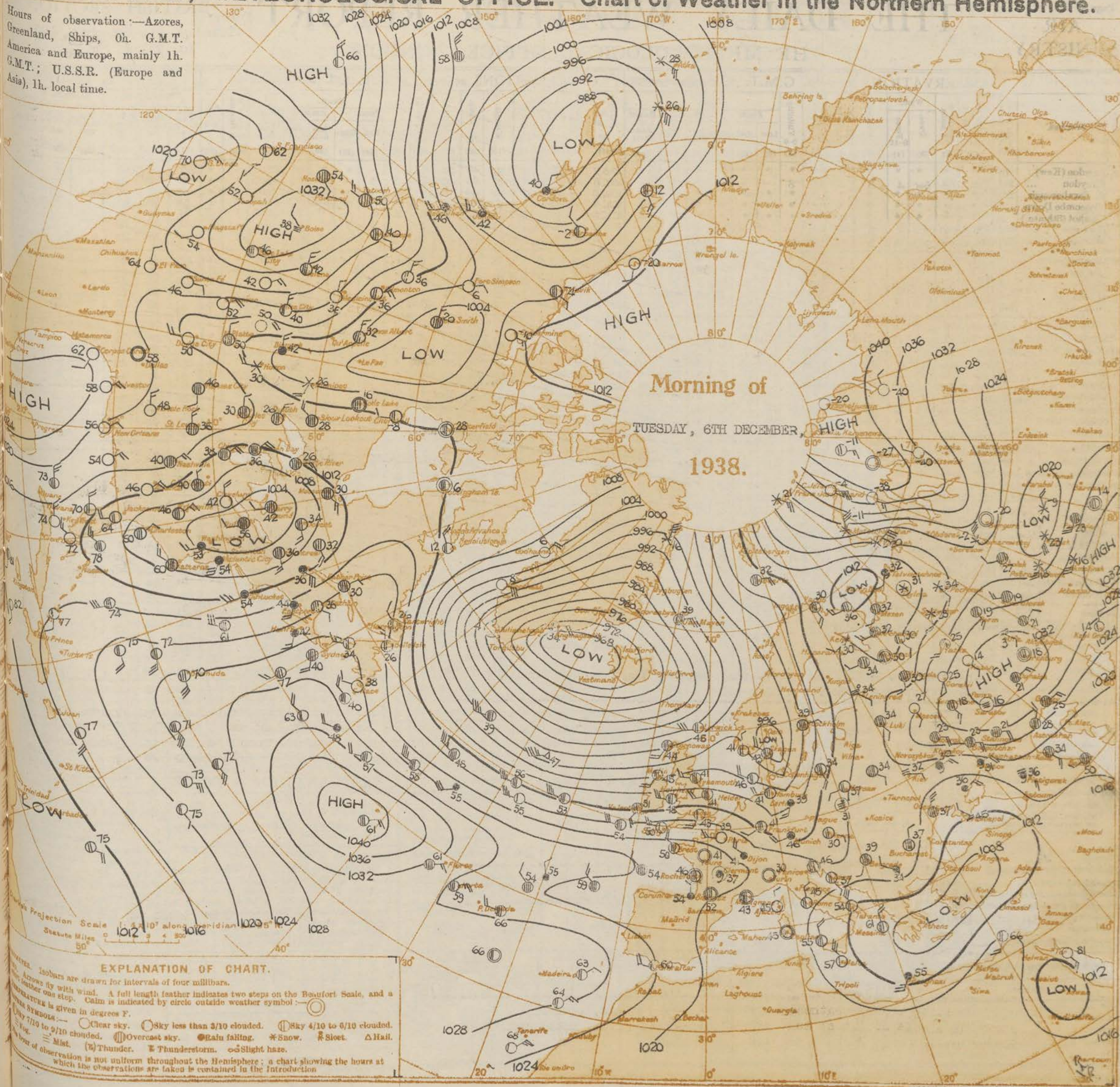
GENERAL INFERENCE.
Pressure is relatively high over France and low to the west of Iceland and a trough of low pressure is tending to develop off Southwest Ireland. Bright periods will occur in most areas but there will also be some local rain or hail, particularly in the West and North.

FURTHER OUTLOOK.
Probably becoming colder again in all districts.

Forecasts issued at 1000 G.M.T. N. K. JOHNSON, M.Sc., A.R.C.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Tuesday, 6th December, 1938.
No. 28138.

OBSERVATIONS at 1 hr. G.M.T. 6th December														OBSERVATIONS at 7 hr. G.M.T. 6th December														PAST 24 HOURS.									
DISTRICT.	STATION.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility (22)	Cloud.					Barom. at M.S.L. (29)	Change in 3 hours. (30)	TEMPERATURE.			RAINFALL.		SUN-SHINE 5th Hr. (36)	
					Dir. (3)	Force (4)					Form.	Amount.		Height of Base (feet) (14)	Dir. (17)			Force (18)	Form.					Amount.		Height of Base (feet) (23)	State of Ground. (28)	Sea. (35)			Max. Day 7h-18h °F. (31)	Min. Night 12h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 12h-7h mm. (35)		
												Low (9)	Med. (10)											High (11)	Low (12)												Total (13)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1015.7	+2	SW	2	43	32	6	5	-	3	9	2500	1	*	55	37	27	1	Tr	1.4				
	Croydon	217	1015.1	+6	SW	4	b	43	85	8	-	-	1	0	Tr	1016.0	+4	SW	4	46	85	8	5	3	-	1	7.8	4000	1	55	33	36	1	Tr	0.1		
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1016.0	+2	WSW	4	44	85	8	5	-	-	7.8	7.8	5700	1	55	36	23	0.3	Tr	0.2				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1016.4	+4	WSW	3	45	82	7	5	4	-	4.6	7.8	1500	1	53	38	34	1	Tr	1.0				
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	*	1016.3	-2	WSW	3	47	85	8	2	3	-	7	2.3	2500	1	51	40	37	0.3	Tr	0.1				
	Lympe	340	1016.7	+10	W/S	2	b	36	85	6	-	-	0	0	-	1017.3	+2	WSW	3	38	82	8	4	3	0	2-3	-	1	52	35	26	1	Tr	0.3			
	Manston	154	1015.6	+12	SW	3	b	36	85	6	-	-	0	0	-	1016.4	+2	SW	3	39	82	7	-	7	-	0	4-6	-	1	55	35	29	0.3	-	-		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1015.4	0	SSW	1	43	32	8	1	4	-	1	2-3	1500	1	55	40	31	0.4	-	-	0.2			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1014.3	+2	SW	2	41	85	7	5	4	-	3	3	4000	1	54	38	34	0.5	-	-	0.3			
	Gorleston	5	1012.7	+8	SW	2	b	35	82	7	-	-	0	0	-	1013.1	+8	WSW	2	38	85	7	-	5	-	0	2-3	-	1	55	35	34	1	Tr	0.3		
	Mildenhall	19	1012.7	+2	SSW	3	c	37	82	7	-	-	6	0	7.8	1013.4	+2	SW	3	40	87	7	-	3	2	0	4-6	-	1	55	30	30	0.5	-	-	2.4	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1011.7	+6	WSW	4	41	37	6	5	7	-	Tr	4-6	4000	0	50	37	33	1	-	-	3.3			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1013.8	+6	SSW	2	41	32	7	5	3	2	2-3	7.8	4000	1	47	33	34	0.3	-	-	3.3			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1015.1	+4	SW	2	39	37	6	5	4	-	4-6	4-6	4000	1	51	34	24	0.4	-	-	3.4			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1014.1	+4	SW	3	46	85	7	5	-	1	Tr	1	4000	1	49	40	32	0.1	-	-	2.2			
5	Hartland Point	259	1014.6	0	W	6	bc	48	82	8	3	6	-	2-3	2-3	2500	1014.7	+2	W	6	50	82	8	8	-	-	7.8	7.8	1500	1	50	47	45	0.2	0.4	3.1	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1015.4	+2	WSW	3	46	82	7	8	-	-	4-6	4-6	1500	1	50	40	34	Tr	9	-	1.2			
	Portland Bill	32	1016.2	+4	W	4	b	50	85	8	-	-	0	0	-	1016.1	-2	W	5	52	85	8	5	7	-	4-6	7.8	2500	1	51	43	*	1	Tr	1.0		
	Plymouth	82	1016.2	+4	W	4	b	50	85	8	-	-	0	0	-	1016.3	0	W	4	50	85	8	8	-	-	2-3	2-3	2500	1	52	41	37	0.1	-	2.2		
	The Lizard	240	1017.6	0	W/S	5	bc	50	85	8	8	-	4-6	4-6	2500	1017.7	0	W/S	5	51	85	8	8	-	-	4-6	4-6	2500	1	51	48	*	0.5	-	0.0		
	Scilly (St. Mary's)	163	1017.2	+2	W/S	5	b	50	85	8	2	-	1	1	2500	1017.3	0	WSW	5	51	85	8	4	6	5	2-3	4-6	2500	1	52	43	*	-	1	0.0		
	Guernsey	175	1018.4	+12	W	2	c	43	75	3	2	-	-	7.8	7.8	1500	1019.1	+2	WSW	3	50	85	3	2	3	-	7.8	7.8	1500	1	55	47	41	1	Tr	0.0	
6	Pembroke	142	1012.8	0	W/S	6	c	51	75	7	8	-	-	7.8	7.8	1500	1012.6	+2	WSW	6	52	85	7	5	2	-	7.8	3+	2500	1	42	48	*	Tr	0.3	3.6	
7	Holyhead	26	1003.0	+2	W/S	5	c	48	75	8	7	3	-	4-6	3	4000	1003.7	-2	WSW	5	50	75	8	5	7	-	2-3	3+	4000	1	43	46	42	1	Tr	5.0	
	Chester (Sealand)	16	1011.2	+4	SE	1	b	43	85	7	8	-	-	1	1	2500	1011.2	+4	SE	1	43	85	7	8	-	-	1	1	2500	1	47	41	30	1	Tr	2.3	
8	Manchester	70	1010.3	+6	SW	3	z	43	85	6	5	-	-	2-3	2-3	4000	1010.3	+6	SW	3	43	85	6	5	-	-	2-3	2-3	4000	1	47	33	32	0.5	-	2.3	
10	Spurn Head	29	1008.7	+2	WSW	4	c	41	85	6	-	-	7	0	10	-	1010.2	+6	WSW	4	42	82	7	-	3	-	0	7.8	-	1	48	33	*	1	Tr	3.1	
	Catterick	175	1008.7	+2	WSW	4	c	41	85	6	-	-	7	0	10	-	1008.3	+6	WSW	4	44	85	8	5	7	-	7.8	3	1500	1	48	35	23	4.04	0.6	4.0	
	Tynemouth	108	1005.4	+6	W	3	c	41	85	6	8	-	-	3	3	1500	1006.4	+4	W	3	45	75	7	5	-	-	3	3	1500	1	44	41	35	2	0.2	3.4	
11	St. Abbs Head	280	1002.4	0	WSW	4	c	42	75	8	5	6	3	4-6	3	2500	1003.5	+6	SW	3	43	75	8	4	6	-	4-6	7.8	2500	0	47	36	*	-	Tr	5.0	
	Loughs	36	1002.4	0	WSW	4	c	42	75	8	5	6	3	4-6	3	2500	1002.5	+2	SW	3	44	82	6	5	-	-	3+	3+	2500	1	43	36	32	-	Tr	2.3	
12	Renfrew (Abbots L.)	19	1003.2	+6	SW	3	bc	46	85	7	2	-	-	7.8	7.8	4000	1003.2	+6	SW	4	46	85	7	2	-	-	7.8	7.8	4000	1	45	42	37	3	Tr	2.4	
	Eska Dalemoir	794	1003.2	+6	SW	3	bc	46	85	7	2	-	-	7.8	7.8	4000	1003.7	0	SW	3	41	82	7	5	-	-	3+	3+	1500	1	42	34	30	0.1	Tr	4.6	
	Point of Ayre	30	1006.3	+6	W	5	bc	45	82	8	1	-	3	Tr	2-3	1500	1007.2	0	W	5	48	82	8	5	2	-	3	10	1500	0	48	44	*	-	-	2.7	
13A	Tires	22	1004.3	0	W	6	c	43	85	8	3	-	-	3	3	800	1004.4	-8	S	5	51	85	7	8	-	-	10	10	800	1	44	45	*	3	0.5	2.7	
13B	Stornoway	80	1004.3	+6	SSW	4	c	44	75	7	8	-	-	7.8	7.8	1500	1004.7	-6	SSW	4	46	85	6	8	2	-	3	10	1500	1	44	43	*	3	1	2.0	
15	Dalwhinnie	1178	1001.1	+2	SW	4	c	40	82	7	5	-	-	3+	3+	2500	1001.2	+2	SW	4	40	82	7	5	-	-	3+	3+	2500	0	38	35	32	1	Tr	3.3	
	Aberdeen	79	1001.2	+2	WSW	3	bc	42	85	8	5	3	-	2-3	2-3	2500	1001.2	+2	WSW	3	42	85	8	5	7	8	2-3	4-6	1500	1	46	38	27	-	-	*	
	Wick	81	1002.2	+2	SW	3	bc	39	87	8	7	6	-	2-3	4-6	1500	1002.0	+2	SSW	3	42	87	8	5	7	8	2-3	4-6	1500	1	46						

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Wednesday, 7th December, 1938.

No. 28139.

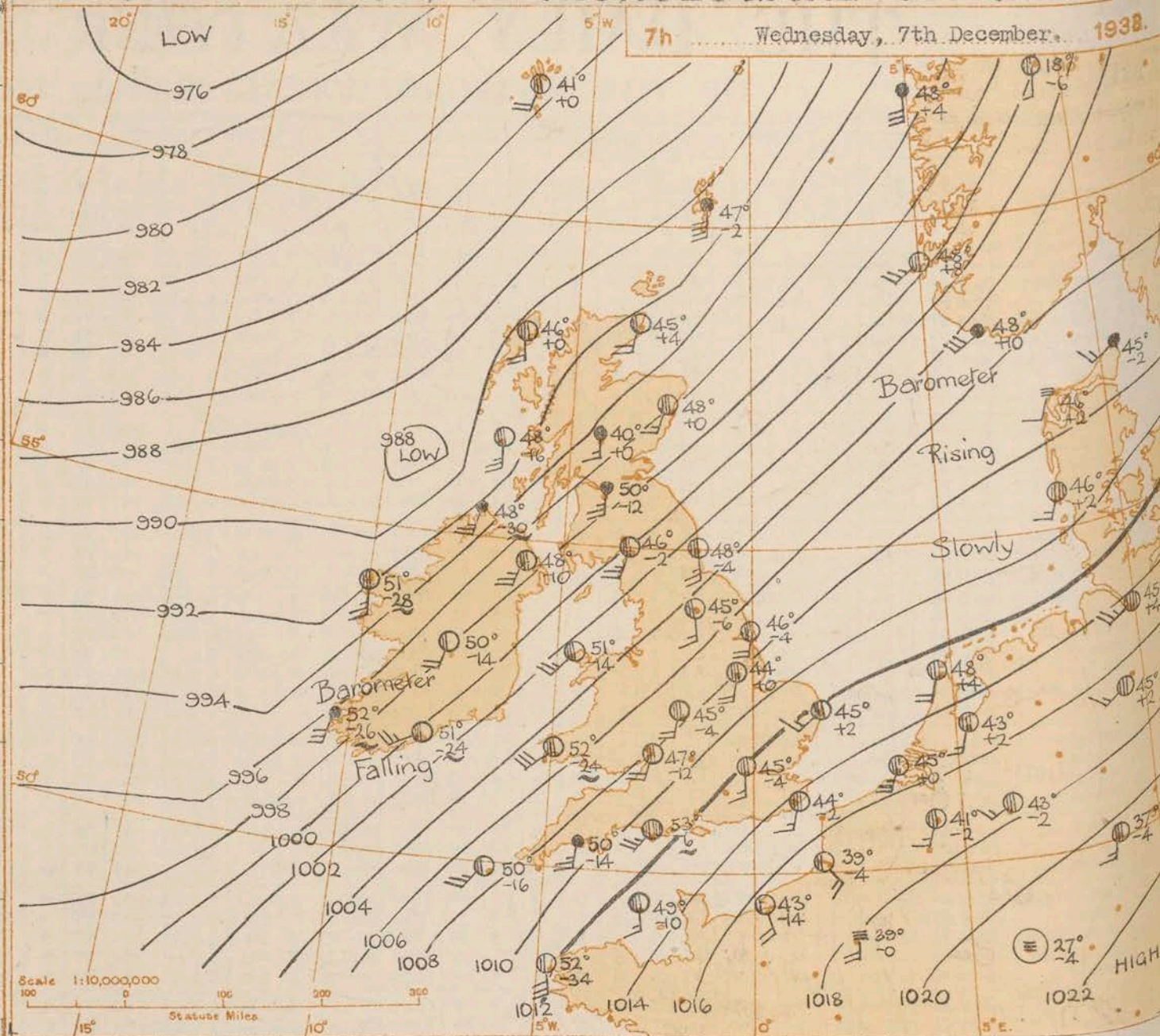
District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 6th December.														OBSERVATIONS at 18h. G.M.T. 6th December.														PAST 24 HOURS.														
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			Height of Base (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.			Height of Base (feet)	State of Ground. 0-9	Sea. 0-9	WEATHER.																
				Direc.	Force 0-12					Form.	Amount.	Form.				Amount.	Height of Base (feet)					Form.	Amount.	Height of Base (feet)				7h.-18h. 6th.	18h.-18h. 6th.	18h. 6th to 1h. 7th.	1h.-7h. 7th.													
																																Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)													
	(For heights see p. 4.)																																											
1	London (Kew)	1015.5	-8	SW	3	Z	50	85	6	5	3	1	7-8	9	4000	1015.0	+2	SSW	3	bc	48	85	7	5	-	-	2-3	2-3	4000	1	*	cmo	cmo bc	bcbw	bcbw									
	Croydon	1015.9	-4	SW	4	bc	51	75	6	-	5	1	0	4-6	-	1015.4	0	SSW	3	bc	48	92	6	-	3	-	0	2-3	-	1	*	cmo	cmo bc	bcbw	bcbw									
	S. Farnborough	1015.8	-10	SW	4	c	50	75	8	5	3	-	4-6	9+	4000	1015.4	+2	S	2	bc	45	92	5	-	4	-	0	1	-	1	*	cbcc	cbcc	bcbw	bcbw									
	Boscombe Down	1015.7	-14	WSW	4	c	50	85	7	5	7	-	7-8	7-8	2500	1015.2	-2	SW	3	bc	45	92	8	5	-	-	2-3	2-3	2500	1	*	cbcc	cbcc	bcbw	bcbw									
	Calshot (Stmnt.)	1016.8	-6	SW	3	c	52	85	7	1	3	-	2-3	9+	2500	1016.3	0	SW	3	bc	49	92	8	5	7	8	1	4-6	2500	1	2	bcbw	bcbw	bcbw	bcbw									
	Lympe	1016.8	-10	SW	3	bc	52	75	8	2	4	1	4-6	2500	1016.8	+2	SW	3	bc	49	92	6	5	3	-	4-6	7-8	5700	1	2	bcbw	bcbw	bcbw	bcbw										
	Manston	1016.0	-10	SW	1	bc	51	75	7	-	4	6	0	2-3	-	1015.8	0	SW	2	bc	47	92	6	-	3	-	0	9+	-	1	*	bcbw	bcbw	bcbw	bcbw									
2	Shoeburyness	1015.4	-6	SW	3	c	47	75	6	-	5	2	0	9	-	1015.2	+2	SW	2	c	49	85	6	-	7	-	0	10	-	1	*	bcbw	bcbw	bcbw	bcbw									
	Felixstowe	1015.4	-6	WSW	3	bc	49	85	6	-	-	8	0	1	-	1014.9	0	SSW	3	bc	47	85	5	5	-	-	10	10	4000	0	2	bcbw	bcbw	bcbw	bcbw									
	Gorleston	1013.6	-4	SW	3	bc	45	85	6	-	-	5	0	2-3	-	1013.4	-2	SW	2	c	46	85	6	5	-	-	9+	9+	2500	1	2	bcbw	bcbw	bcbw	bcbw									
	Mildenhall	1013.7	-6	SW	4	bc	48	85	6	-	3	9	0	4-6	-	1013.4	+4	SSW	4	bc	48	92	6	-	3	-	0	9+	-	1	*	bcbw	bcbw	bcbw	bcbw									
	Cranwell	1011.7	-10	SW	4	bc	47	85	6	-	2	6	4-6	9+	5700	1010.9	-2	SW	4	bc	47	92	6	-	7	6	0	10	-	1	*	bcbw	bcbw	bcbw	bcbw									
3	Birmingham	1012.0	-8	SW	3	c	48	85	6	5	7	-	7-8	9+	800	1011.7	0	SSW	3	c	47	85	6	5	3	-	4-6	9	1500	1	*	bcbw	bcbw	bcbw	bcbw									
	Upper Hayford	1014.6	-10	SW	2	c/d	47	92	6	5	7	-	7-8	9+	800	1014.5	+4	SW	2	c	46	92	7	5	3	-	1	9	1500	1	*	bcbw	bcbw	bcbw	bcbw									
4	Ross-on-Wye	1013.4	-8	SW	3	c	50	85	7	6	4	-	7-8	9+	2500	1012.9	0	SW	3	bc	49	85	7	8	-	-	4-6	4-6	2500	1	*	bcbw	bcbw	bcbw	bcbw									
5	Hartland Point	1013.8	-8	W	6	c/pr	51	92	8	3	3	-	4-6	9+	1500	1012.4	-4	W	6	c/pr	51	92	8	3	3	-	4-6	9+	1500	1	4	bcbw	bcbw	bcbw	bcbw									
	Bristol	1015.0	-8	WSW	3	pr	50	85	8	5	7	-	7-8	9+	1500	1014.6	-2	WSW	3	c	48	85	7	8	3	-	4-6	7-8	2500	1	*	bcbw	bcbw	bcbw	bcbw									
	Portland Bill	1016.2	-10	W	6	c	52	92	8	5	-	-	10	10	2500	1015.4	-8	W	6	c	52	92	7	5	-	-	7-8	7-8	2500	1	4	bcbw	bcbw	bcbw	bcbw									
	Plymouth	1016.5	-10	WSW	4	c/pr	52	85	7	9	3	-	9	9+	1500	1015.3	-2	WSW	4	c	52	85	7	9	3	-	7-8	9	1500	1	3	bcbw	bcbw	bcbw	bcbw									
	The Lizard	1017.8	-6	SW	5	c	53	92	8	8	6	-	4-6	7-8	2500	1016.1	-8	SW	5	bc	51	92	8	8	6	-	4-6	4-6	2500	1	2	bcbw	bcbw	bcbw	bcbw									
	Seilly (St. Mary's)	1016.4	-10	WSW	5	bc	53	85	8	7	9	2-3	4-6	2500	1014.8	-6	WSW	5	c/pr	51	92	8	8	7	-	4-6	7-8	1500	1	3	bcbw	bcbw	bcbw	bcbw										
	Guernsey	1019.2	-2	W	3	bc	52	85	7	8	-	-	4-6	4-6	2500	1018.1	0	WSW	3	bc	51	75	8	2	3	-	4-6	4-6	1500	1	3	bcbw	bcbw	bcbw	bcbw									
6	Pembroke	1012.3	-2	WSW	6	cq	52	85	7	8	-	-	10	10	1500	1011.5	-2	WSW	6	cq	52	85	7	8	7	-	4-6	9	1500	1	4	bcbw	bcbw	bcbw	bcbw									
7	Holyhead	1009.0	-10	WSW	4	c	51	85	8	5	4	-	7-8	10	1500	1007.5	-2	WSW	4	c	51	85	7	1	7	8	2-3	9+	1500	1	2	bcbw	bcbw	bcbw	bcbw									
	Chester (Sealand)	1010.4	-10	WSW	3	bc	53	65	8	7	4	-	4-6	4-6	2500	1009.7	0	S	2	c/r	50	85	6	5	7	-	4-6	7-8	2500	1	*	bcbw	bcbw	bcbw	bcbw									
8	Manchester	1009.8	-10	SSW	3	bc	50	85	6	5	4	1	2-3	9+	5700	1008.9	-4	SW	4	c	49	85	7	5	3	-	7-8	9+	4000	1	*	bcbw	bcbw	bcbw	bcbw									
10	Spurn Head	1010.4	-4	SW	4	c	47	85	6	5	-	-	9+	9+	4000	1009.7	0	SW	4	c/pr	47	85	6	5	1	-	4-6	10	1500	1	3	bcbw	bcbw	bcbw	bcbw									
	Catterick	1008.0	-10	SW	3	c	48	85	7	5	3	-	7-8	9+	1500	1007.1	-4	S	2	c/r	50	75	7	8	7	-	4-6	9	1500	1	*	bcbw	bcbw	bcbw	bcbw									
	Tynemouth	1006.2	-8	SW	3	c	49	75	5	8	-	-	9	9	1500	1005.1	0	SW	4	c	49	85	6	2	3	-	4-6	7-8	1500	1	1	bcbw	bcbw	bcbw	bcbw									
11	St. Abbs Head	1002.0	-18	WSW	5	bcq	47	75	8	4	7	1	2-3	9-6	2500	1000.7	-10	WSW	5	cq	47	85	8	8	2	-	7-8	10	2500	0	2	bcbw	bcbw	bcbw	bcbw									
12	Leuchars	1000.8	-18	WSW	4	cjp	47	85	7	8	-	5	7-8	9	800	999.2	-8	SW	4	c/pr	49	85	7	8	7	-	7-8	9+	1500	1	*	bcbw	bcbw	bcbw	bcbw									
	Renton (Abbots I.)	1002.3	-10	WSW	4	rr	48	92	6	6	2	-	7-8	10	800	1000.5	-10	SW	4	rr	50	85	6	6	2	-	7-8	10	800	1	*	bcbw	bcbw	bcbw	bcbw									
	Eska Dalemuir	1003.1	-20	WSW	7	c	46	85	7	5	-	6	9	9+	450	1003.3	-2	SW	5	rr	45	97	4	6	-	-	10	10	220	2	*	bcbw	bcbw	bcbw	bcbw									
	Point of Ayre	1006.4	-6	WS	5	c	50	92	8	5	2	-	7-8	10	1500	1004.8	-6	WS	5	c	51	85	8	5	1	-	2-3	10	2500	0	3	bcbw	bcbw	bcbw	bcbw									
13	Three	995.8	-20	WS	7	c/r	50	97	7	6	7	-	7-8	7-8	1500	994.5	-12	WS	6	ir	50	97	6	-	2	-	9	9	1500	1	5	bcbw	bcbw	bcbw	bcbw									
13	Stornoway	993.5	-14	SSW	5	pr	48	85	7	8	5	-	9	9+	2500	991.6	-10	SSW	7	c/pr	48	85	7	8	7	-	7-8	9+	2500	1	3	bcbw	bcbw	bcbw	bcbw									
15	Dalwhinnie																																											

REPORTS from HEALTH RESORTS for 6th December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 5h. G.M.T.	Max. 5h. to 9h. G.M.T.	Night 17h. to 9h. G.M.T.	Day 9h. to 5h. G.M.T.	
1	Tunbridge W.	cbc	bcco	33	51	-	-	4.5
	Bournemouth	bbcc	cbc	40	53	-	-	1.4
	Ventnor	opbp	opcu	44	53	0.5	0.3	2.0
	Southsea	bc	cbc	42	52	-	-	2.1
	Bognor Regis	bc	c	37	53	-	-	2.0
	Littlehampton	bcc	cbc	35	53	0.1	-	1.5
	Worthing	bc	cbc	38	53	-	-	1.9
	Brighton	bcc	c	42	52	-	-	1.8
	Eastbourne	bbcc	c	43	53	-	-	2.6
	Hastings	bbeb	bcc	38	54	Trace	-	3.7
	Folkestone	bbe	bcc	37	54	-	-	3.4
	Dover	bc	bcco	41	54	-	-	3.3
2	Deal	bc	bc	39	51	-	-	3.4
	Ramsgate	bc	bcc	39	52	-	-	4.2
	Margate	bc	bcc	39	56	-	-	3.2
	Southend	bbe	bcco	39	52	Trace	-	2.7
	Clacton-on-Sea	bcm	cpom	38	48	-	Trace	2.5
	Dovercourt	bc	bcm	36	49	-	-	4.3
	Lowestoft	bbe	bccc	36	49	-	-	3.7
	Skegness	bcco	o	35	49	-	-	0.8
	Mablethorpe	bco	bcc	36	48	-	-	0.4
	Cleethorpe	c	c	39	48	0.3	-	0.0
	Leamington S.	bcc	c	36	51	-	-	1.3
	Cheltenham	cwc	cpc	40	50	Trace	Trace	0.2
3	Bath	bbccp	pbcc	40	51	3	0.3	1.5
	Weymouth	bcc	p.c	44	53	-	Trace	1.0
	Jersey	pcbc	bcp	47	54	1	Trace	0.0
	Torquay	ubccb	bccp	40	55	0.1	1	2.9
	Falmouth	rbpbc	orepc	44	52	0.6	3	1.8
	Penzance	cbc	cpc	47	54	-	0.3	1.3
	St. Ives							
	Bude	cpbc	bcp	46	53	2	1	1.7
	Ilfracombe	roc	coirc	47	53	1	2	0.1
	Aberystwyth	cpr	cir	48	51	-	2	0.2
	Llandudno	c	crc	45	53	-	0.1	0.9
	Colwyn Bay	cbc	bcp	44	52	-	Trace	1.1
4	Rhyl	cbc	bccr	44	53	-	Trace	1.2
	Wallassey	cbc	bcc	43	53	-	-	1.7
	Southport	czbe	bcc	45	51	Trace	-	2.3
	Blackpool	cbcm	cm	43	51	-	-	2.2
	Morecambe							
	Ilkley	co	dco	40	50	5	0.6	0.0
	Harrogate	c	cp	40	47	5	0.2	0.0
	Berwick-on-T.	c	c	38	49	Trace	-	0.4
	Dunbar	bc	bc	38	51	-	-	1.4
	Troon	copo	pocop	44	52	Trace	0.5	0.0
	Douglas	cpr	c	41	50	0.3	-	0.1

† Max. Temp. for period 21h. yesterday; to 17h. to-day; Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th December, 1938.

1 S.E. England	Wind southerly, fresh to strong at times; mainly fair; local morning fog; rather cold.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind southerly, strong at times, moderating; cloudy periods with local rain or drizzle at first, mainly fair later; becoming rather cold.
6 South Wales	
7 North Wales	As 1 - 4.
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind south to southwest, strong at times, moderating; occasional rain at first, fairer later; rather mild, becoming colder.
13 { A.W. Scotland B.N.W. Scotland	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	As 5 - 6.
19 S.E. Ireland	
20 S.W. Ireland	As 12 - 17.

H.M. Stationery Office Press, Kingsway, W.C.2.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A small secondary depression off Northern Ireland will move northwards while another moves from the Atlantic eastwards across the Bay of Biscay. Weather will be rather cold and mainly fair in the East while in the extreme West there will be occasional rain with average temperature.

FURTHER OUTLOOK.

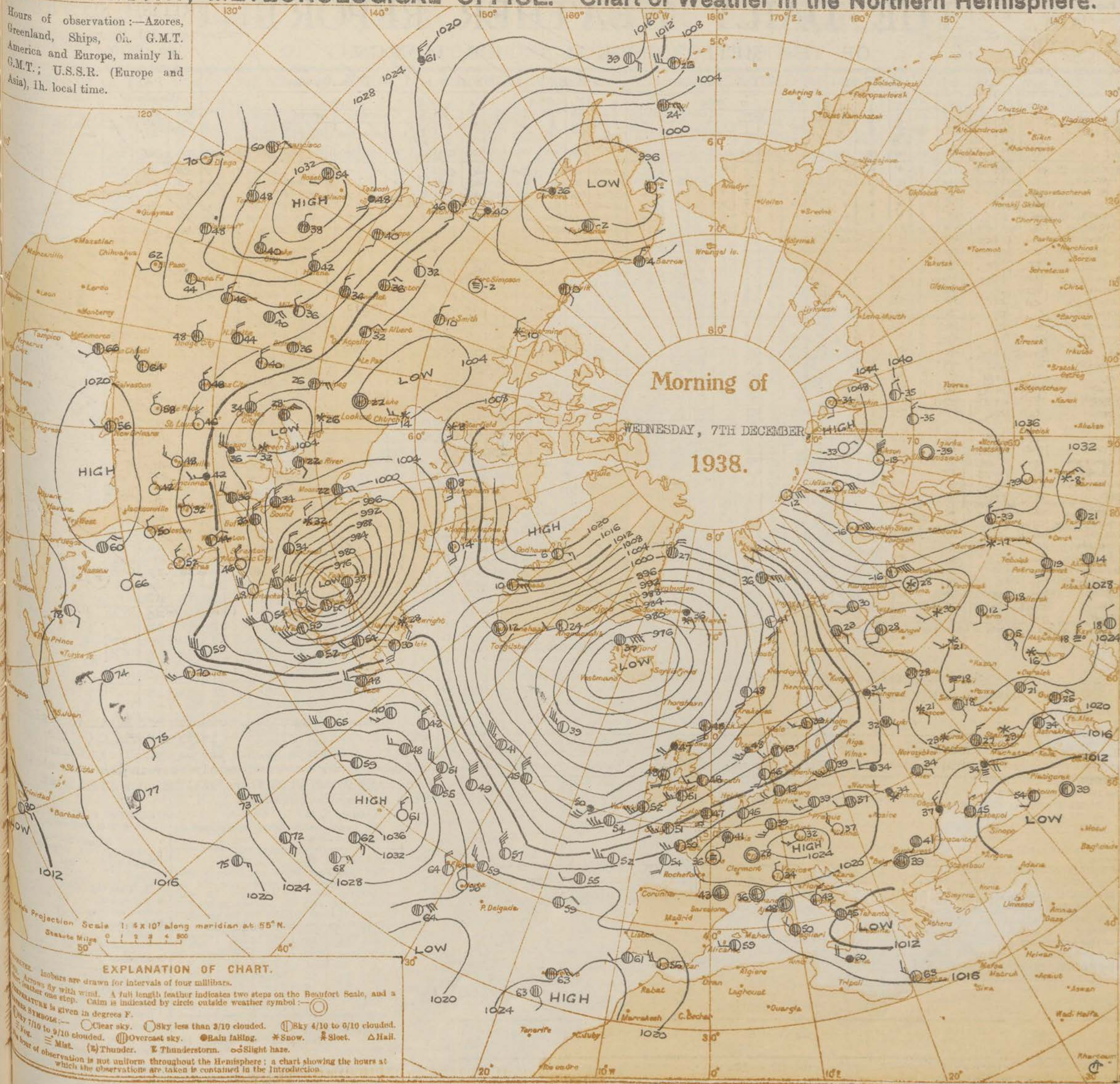
Probably rather cold and mainly fair.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.,
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Ch. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

 BRITISH SECTION
 Wednesday, 7th December, 1938.
 No. 28139.

OBSERVATIONS at 1 hr. G.M.T. 7th December														OBSERVATIONS at 7 hr. G.M.T. 7th December														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun-shine 6th-7th Hrs.		
					Dir.	Force.					Form.	Amount.	Height of Base.	Dir.	Force.			Form.	Amount.					Height of Base.	Max. Day 7th-18th °F.	Min. Night 18th-7th °F.	Min. on Grass °F.	Day 7th-18th mm.			Night 18th-7th mm.							
																																Low.	Med.	High.	Low.		Total 0-10	Low.
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1012.6	-4	S	2	c	46	92	7	5	-	-	3	3	4000	1	*	50	40	39	-	-	1.7			
	Croydon	217	1014.6	-4	S'W	3	c	47	92	7	5	3	5	2-3	3+	5700	1013.2	-4	S	3	c	45	92	7	5	7	6	2-3	3+	4000	1	*	53	44	41	Tr	Tr	2.0
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1012.4	-6	SSW	3	bc	46	85	8	4	7	-	2-3	4+	2500	1	*	52	44	39	-	Tr	Tr	2.5		
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1011.6	-10	S'W	4	c	45	92	7	5	7	-	4-6	3+	2500	1	*	51	41	38	-	Tr	Tr	2.2		
	Calshot (St. Mary's)	8	*	*	*	*	*	*	*	*	*	*	*	1013.5	-6	S'W	4	c	50	85	8	4	1	4	2-3	3	2500	1	3	54	48	45	-	0.1	Tr	4.8		
	Lymington	346	1014.1	-6	SW	2	b	44	97	7	-	3	-	0	1	-	1015.1	-2	SSW	3	c	44	92	7	8	7	-	7-8	3	52	42	37	-	Tr	Tr	3.7		
	Manston	154	1015.1	-2	SW'S	3	bc	45	92	7	-	3	-	0	4-6	-	1014.2	-6	S'W	2	c	45	85	8	2	7	-	7-8	3	51	43	39	-	-	-	-		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1013.6	0	-	0	c	46	92	7	7	-	-	7-8	7-8	2500	1	*	52	45	37	-	-	3.0			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1013.5	-2	SSW	4	c	46	92	7	-	7	-	0	3+	-	1	3	49	44	40	-	-	4.4			
	Gorleston	5	1012.3	-2	SW'W	3	c	46	85	6	5	-	-	10	10	2500	1012.2	+2	SW	3	c	45	92	6	5	2	-	4-6	3+	2500	1	2	49	44	42	-	-	4.0
	Mildenhall	19	1012.3	-2	SW'S	4	c	46	85	7	-	3	-	0	7-8	-	1011.0	-6	SSW	4	c	47	85	7	5	7	-	2-3	3+	4000	1	*	49	44	42	-	-	2.3
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1009.2	0	SSW	4	c	44	97	8	-	7	7	0	10	-	1	*	50	44	41	-	-	0.2			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1008.8	-4	SSW	4	c	45	92	8	5	7	7	2-3	3+	1500	1	*	50	45	42	Tr	Tr	0.5			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1011.1	-6	S'W	3	c	44	92	7	5	7	7	2-3	3	1500	1	*	48	42	35	Tr	Tr	0.6			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1008.2	-12	SSW	4	c	47	85	7	5	7	7	1	3+	2500	1	*	50	47	43	1	3	0.6			
5	Hardland Point	299	1010.1	-10	WSW	6	c/pr	50	92	8	9	-	-	3+	3+	1300	1007.7	-2	SW	5	c	49	85	8	8	-	7-8	7-8	1300	1	4	51	49	47	0.1	1	0.5	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1010.3	-4	SW	3	c/d	48	85	7	5	7	-	4-6	7-8	2500	1	*	50	46	42	2	0.1	1.3			
	Portland Bill	32	1013.8	-4	W	5	c	53	85	8	2	4	-	4-6	7-8	2500	1011.2	-3	SW	5	c	53	85	8	5	-	10	10	2500	1	4	52	49	4	0.4	1.3		
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1009.3	-18	SW	5	c	51	85	8	9	-	-	3+	3+	800	1	1	53	49	47	2	0.5	2.0			
	The Lizard	240	1013.1	-24	SW'W	5	bc	51	85	8	8	-	-	4-6	4-6	2500	1008.5	-14	S'W	5	c	50	92	8	8	7	-	7-8	7-8	1500	1	3	53	49	4	0.5	2.0	
	Scilly (St. Mary's)	163	1011.4	-16	SW	5	c/d	51	85	7	5	5	-	4-6	3+	1500	1007.3	-16	SW'S	5	bc	50	85	8	4	6	-	4-6	4-6	2500	1	3	54	49	0.1	1	3.6	
	Guernsey	175	1016.1	-14	SSW	3	b	49	75	9	1	-	-	Tr	Tr	2500	1013.9	-10	S	3	c	49	85	9	2	-	7-8	7-8	2500	1	3	54	47	41	1	0.2	3.4	
6	Pembroke	142	1008.9	-6	SW	6	c/pr	52	85	7	8	6	-	4-6	3+	1500	1005.4	-24	SW	6	c/pr	52	85	7	8	-	7-8	7-8	1500	1	4	53	50	1	2	0.0		
7	Holyhead	28	1005.0	-10	SW	5	c	51	85	8	8	-	-	3+	3+	2500	1001.2	-14	SW'S	5	c	51	85	8	1	7	8	4-6	7-8	2500	1	2	52	50	47	-	-	0.0
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1005.4	-12	ESE	4	bc	47	85	7	5	-	-	4-6	4-6	2500	1	*	54	46	40	0.4	0.1	1.4			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1005.8	-4	S	3	c	47	92	8	5	-	6	4-6	10	4000	1	*	51	46	39	-	0.2	0.5			
10	Spurn Head	29	1008.7	-2	SW'S	4	c	45	97	7	-	7	9	0	3+	-	1007.7	-4	S'W	4	c	46	92	7	5	1	-	4-6	10	1500	1	3	47	44	42	Tr	Tr	0.0
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1004.2	-6	S	3	bc	45	85	7	5	3	-	4-6	4-6	2500	1	*	50	45	42	Tr	Tr	0.0			
	Tynemouth	108	1003.5	-6	SW	3	bc	48	85	7	2	3	-	4-6	4-6	2500	1002.7	-4	S	5	c	48	85	7	8	-	9	9	1500	1	2	50	48	43	1	Tr	0.1	
11	St. Abbs Head	290	998.4	-20	SW	5	c	48	75	8	5	-	2-3	7-8	2500	999.3	0	SSW	5	c	49	85	8	3	2	-	7-8	10	1500	0	3	48	46	*	-	-	*	
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	997.2	-4	SSW	3	ir	48	85	7	5	2	-	7-8	10	2500	1	*	49	47	44	Tr	Tr	0.1			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	997.7	-12	SSW	5	ir	50	85	6	-	2	-	10	10	2500	2	*	50	48	45	4	11	0.0			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	999.4	-2	SW'S	7	c	46	92	6	5	-	-	10	10	1500	1	*	47	44	44	7	6	0.0			
	Point of Ayre	30	1003.6	-8	SW'W	4	c	50	85	8	5	2	-	4-6	10	1500	1000.5	-14	SW'S	5	c	51	85	8	2	2	-	Tr	7-8	1500	0	3	51	49	*	-	0.0	
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	990.3	-16	S	5	c/pr	48	97	7	5	-	-	9	9	1500	1	*	52	46	44	5	5	0.0			
13a	Stornoway	80	991.5	-4	SSW	4	rr	47	85	7	8	2	-	9	10	1500	991.4	0	S	4	c	46	85	7	5	1	-	4-6	3+	1500	1	2	49	45	3	2	0.2	
16	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	995.6	0	S	3	ir	40	92	7	6	2	-	4-6	10	2500	2	*	43	39	37	10	19	0.0			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	996.6	0	SSW	3	c	48	85	7	5	7	-	4-6	3+	2500	1	1	43	47	42	Tr	Tr	0.0			
	Wick	81	993.1	+2	SSW	2	c	45	97	8	5	7	8	4-6	7-8	1500	992.9	+4	SSW	4	bc	45	97	8	4	5	8	2-3	4-6	1500	1	2	47	43	*	Tr	0.6	
10	Lerwick	156	990.7	+2	S	6	c/pr	48	85	7	8	7	-	4-6	7-8	800	991.2	-2	S	8	pr	47	85	7	9	7	-	4-6	7-8	1500	1	*	48	44	*	1	2	0.0
17	Blacksd Point	18	996.7	-14	S	5	c	50	85	7	9	-	-	10	10	800	992.6	-28	S	5	c	51	85	7	8	-	5	10	10	450	1	4	53	45	Tr	5	0.0	
18	Malin Head	84	996.2	-12	S'W	4</																																

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

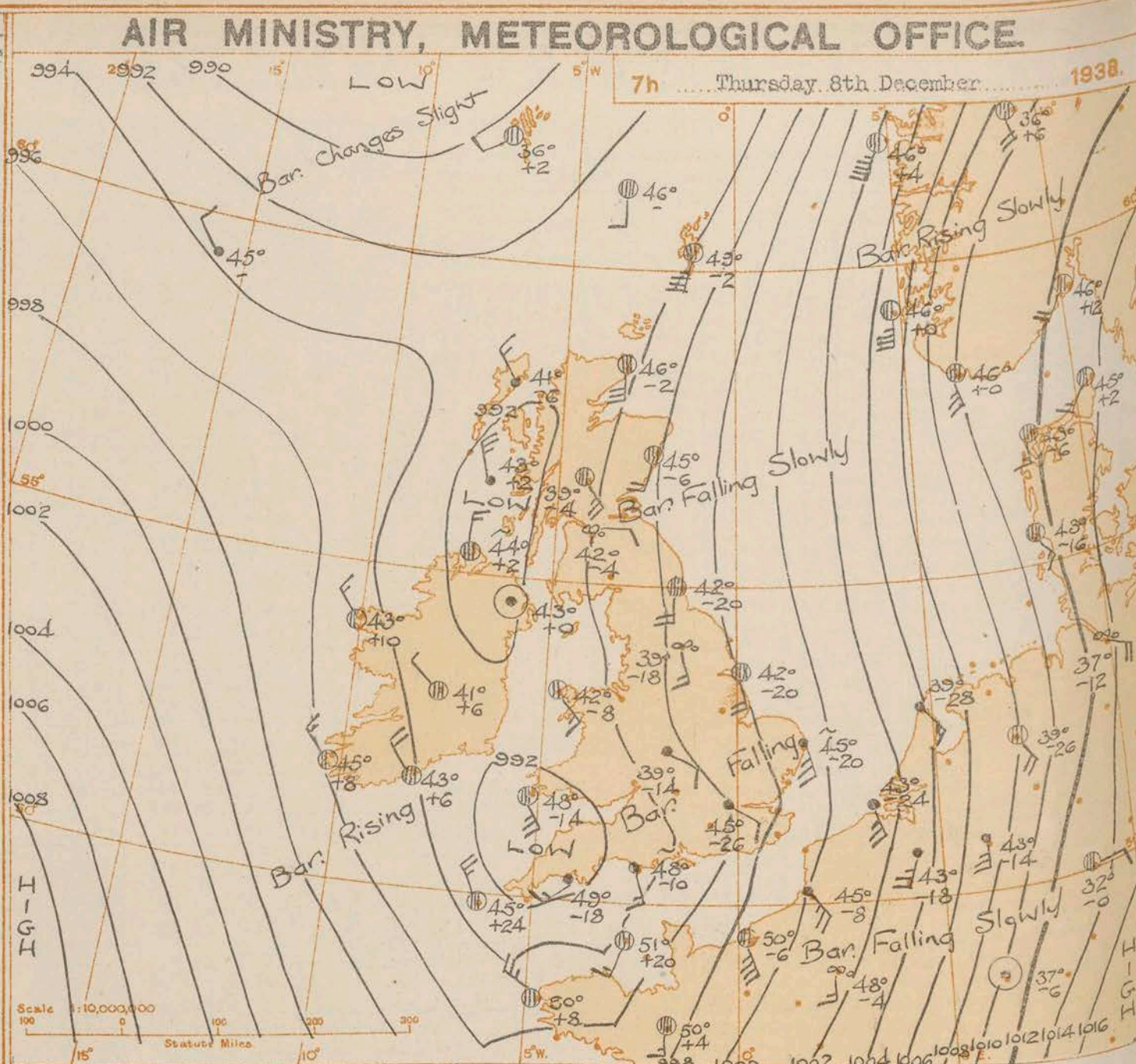
BRITISH SECTION

Thursday 8th December, 1938.

No. 28140

DISTRICT.	STATIONS. (For heights see p. 4.)	OBSERVATIONS at 13h. G.M.T. 7th December													OBSERVATIONS at 18h. G.M.T. 7th December													PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																					
		Barom. at m.b.	Change in 3 hours.	Wind.		Temp.	% Humid.	Visib.	Cloud.					Barom. at m.b.	Change in 3 hours.	Wind.		Temp.	% Humid.	Visib.	Cloud.					State of Ground.	Sea.	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																					
				Dir.	Force				Form.	Amount.	Height of Base (feet)	Dir.	Force			Form.	Amount.				Height of Base (feet)	Dir.	Force	Form.	Amount.			Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (ins.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 6th. to 9h. 7th.	Max. 9h. 7th. to 9h. 17th.	Night. 17h. 6th. to 9h. 7th.	Day. 9h. 7th. to 9h. 17th.	
1	Tunbridge W.	bceor	oe	42	49	-	0.3	1.3
	Bournemouth	bbce	co	47	51	-	0.3	1.5
	Ventnor	polbe	ao	43	51	-	-	2.7
	Southsea	bce	ce	48	52	Trace	-	2.0
	Bognor Regis	bc	c	48	50	0.5	-	2.0
	Littlehampton	bce	c	*45	51	2	-	1.8
	Worthing	bc	bce	49	51	1	-	2.2
	Brighton	bc	c	49	51	1	-	1.6
	Eastbourne†	bce	c	49	51	0.6	-	1.7
	Hastings†	bce	coe	48	51	0.3	-	3.0
	Folkestone	bebee	co	45	50	-	-	1.9
	Dover	bcco	o	47	51	-	-	1.3
2	Deal	obe	co	45	50	-	-	0.9
	Ramsgate	bc	c	45	50	-	-	1.6
	Margate	bc	bce	44	55	-	-	1.8
	Southend	bc	cce	44	50	Trace	0.3	1.5
	Clacton-on-Sea	bce	cce	40	49	-	0.3	1.0
	Dovercourt	bc	dce	42	49	-	0.3	2.4
	Lowestoft	bce	bce	39	50	-	-	1.2
	Skegness	c	c	43	49	-	-	0.0
	Mablethorpe	bce	o	44	48	-	-	0.0
	Cleethorpe	c	c	42	48	Trace	-	0.0
	Leamington S.	o	o	40	50	-	-	0.0
	Cheltenham†	o	o	40	49	Trace	0.3	0.0
3	Bath	cr	re	47	50	1	0.5	0.0
	Weymouth	c	c	49	53	1	-	0.3
	Jersey	bce	co	40	49	-	-	0.7
	Torquay	bco	ocq	48	51	3	-	0.0
	Falmouth	oqr	oqr	48	51	1	1	0.0
	Penzance	cqp	cqp	50	52	0.5	0.3	0.0
	St. Ives	bce	c	40	51	4	-	0.0
	Bude	roc	oc	47	51	1	-	0.0
	Ilfracombe	roc	oc	47	51	1	-	0.0
	Aberystwyth	irc	irc	47	51	0.3	0.3	0.0
	Llandudno	crc	crc	49	52	-	1	0.0
	Oclyn Bay	cpe	cpod	49	51	0.3	1	0.0
4	Rhyl	c	cod	47	52	0.1	0.4	0.0
	Wallasey	med	cpe	40	51	0.5	0.3	0.0
	Southport	cZ	cogp	40	49	-	Trace	0.0
	Blackpool	cm	ompo	45	50	Trace	Trace	0.0
	Morecambe	cm	ompo	45	50	Trace	Trace	0.0
	Ilkley	o	o	44	49	0.1	-	0.0
	Harrogate	c	c	43	48	-	-	0.0
	Berwick-on-T.	c	c	43	52	-	-	0.0
	Dunbar	cm	cpr	45	52	-	Trace	0.0
	Troon	co	co	48	52	1	-	0.0
	Douglas	c	cir	48	51	-	Trace	0.0



† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th December, 1938.
1 S.E. England	Light to moderate southerly to westerly winds; rainy at first, fair periods later; rather mild then average temperature.
2 E. England	
3 E. Midlands	Southeasterly to variable then northwesterly winds, fresh to strong at times; rain today, fair periods tomorrow; average temperature.
4 W. Midlands	
5 S.W. England	Moderate to fresh northwesterly winds; bright periods, showers; average temperature.
6 South Wales	
7 North Wales	
8 N.W. England	As 2 - 3.
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate northerly winds, backing and freshening; occasional rain; average temperature.
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	Southerly to southeasterly winds, strong at times at first, becoming moderate and variable later; some rain; rather mild.
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	Moderate to fresh northwesterly winds, backing and freshening; mainly fair today, some rain tomorrow; average temperature to rather mild.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

H.N. Stationery Office Press, Kingston W.C.2.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A complex trough of low pressure extending southwards over Irish Sea will move northeastwards and a deep disturbance to the south of Greenland will rapidly approach Scotland. It will be rainy over Great Britain most of today but this will be followed by a brief mainly fair interval. Further rain is expected to spread from the West during tomorrow.

FURTHER OUTLOOK.

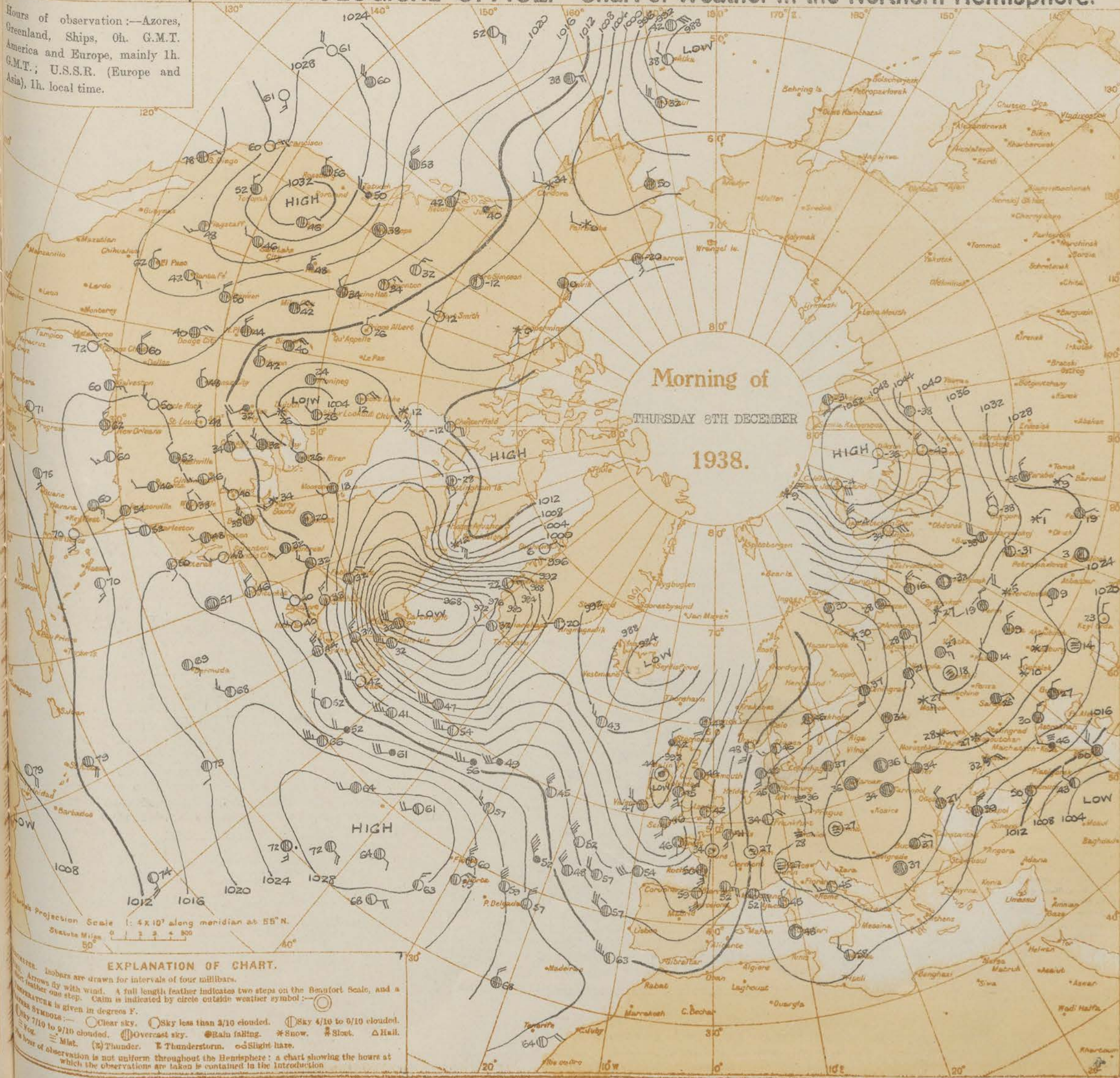
Rain spreading from West.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.,
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



AIR
MINISTRY.THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 8th December, 1938
No. 28140

OBSERVATIONS at 1 hr. G.M.T. 8th December														OBSERVATIONS at 7 hr. G.M.T. 8th December														PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
DISTRICT	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3)		Weather. (5)	Temp. (6)	Humid. (7)	Visibility. (8)	Cloud. (9-11)			Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17)		Weather. (19)	Temp. (20)	Humid. (21)	Visibility. (22)	Cloud. (23-25)			Barom. at M.S.L. (29)	Change in 3 hours. (30)	Wind. (31)		Weather. (33)	Temp. (34)	Humid. (35)	Visibility. (36)	Cloud. (37-39)			Barom. at M.S.L. (43)	Change in 3 hours. (44)	Wind. (45)		Weather. (47)	Temp. (48)	Humid. (49)	Visibility. (50)	Cloud. (51-53)			Barom. at M.S.L. (55)	Change in 3 hours. (56)	Wind. (57)		Weather. (59)	Temp. (60)	Humid. (61)	Visibility. (62)	Cloud. (63-65)			Barom. at M.S.L. (67)	Change in 3 hours. (68)	Wind. (69)		Weather. (71)	Temp. (72)	Humid. (73)	Visibility. (74)	Cloud. (75-77)			Barom. at M.S.L. (79)	Change in 3 hours. (80)	Wind. (81)		Weather. (83)	Temp. (84)	Humid. (85)	Visibility. (86)	Cloud. (87-89)			Barom. at M.S.L. (91)	Change in 3 hours. (92)	Wind. (93)		Weather. (95)	Temp. (96)	Humid. (97)	Visibility. (98)	Cloud. (99-101)			Barom. at M.S.L. (103)	Change in 3 hours. (104)	Wind. (105)		Weather. (107)	Temp. (108)	Humid. (109)	Visibility. (110)	Cloud. (111-113)			Barom. at M.S.L. (115)	Change in 3 hours. (116)	Wind. (117)		Weather. (119)	Temp. (120)	Humid. (121)	Visibility. (122)	Cloud. (123-125)			Barom. at M.S.L. (127)	Change in 3 hours. (128)	Wind. (129)		Weather. (131)	Temp. (132)	Humid. (133)	Visibility. (134)	Cloud. (135-137)			Barom. at M.S.L. (139)	Change in 3 hours. (140)	Wind. (141)		Weather. (143)	Temp. (144)	Humid. (145)	Visibility. (146)	Cloud. (147-149)			Barom. at M.S.L. (151)	Change in 3 hours. (152)	Wind. (153)		Weather. (155)	Temp. (156)	Humid. (157)	Visibility. (158)	Cloud. (159-161)			Barom. at M.S.L. (163)	Change in 3 hours. (164)	Wind. (165)		Weather. (167)	Temp. (168)	Humid. (169)	Visibility. (170)	Cloud. (171-173)			Barom. at M.S.L. (175)	Change in 3 hours. (176)	Wind. (177)		Weather. (179)	Temp. (180)	Humid. (181)	Visibility. (182)	Cloud. (183-185)			Barom. at M.S.L. (187)	Change in 3 hours. (188)	Wind. (189)		Weather. (191)	Temp. (192)	Humid. (193)	Visibility. (194)	Cloud. (195-197)			Barom. at M.S.L. (199)	Change in 3 hours. (200)	Wind. (201)		Weather. (203)	Temp. (204)	Humid. (205)	Visibility. (206)	Cloud. (207-209)			Barom. at M.S.L. (211)	Change in 3 hours. (212)	Wind. (213)		Weather. (215)	Temp. (216)	Humid. (217)	Visibility. (218)	Cloud. (219-221)			Barom. at M.S.L. (223)	Change in 3 hours. (224)	Wind. (225)		Weather. (227)	Temp. (228)	Humid. (229)	Visibility. (230)	Cloud. (231-233)			Barom. at M.S.L. (235)	Change in 3 hours. (236)	Wind. (237)		Weather. (239)	Temp. (240)	Humid. (241)	Visibility. (242)	Cloud. (243-245)			Barom. at M.S.L. (247)	Change in 3 hours. (248)	Wind. (249)		Weather. (251)	Temp. (252)	Humid. (253)	Visibility. (254)	Cloud. (255-257)			Barom. at M.S.L. (259)	Change in 3 hours. (260)	Wind. (261)		Weather. (263)	Temp. (264)	Humid. (265)	Visibility. (266)	Cloud. (267-269)			Barom. at M.S.L. (271)	Change in 3 hours. (272)	Wind. (273)		Weather. (275)	Temp. (276)	Humid. (277)	Visibility. (278)	Cloud. (279-281)			Barom. at M.S.L. (283)	Change in 3 hours. (284)	Wind. (285)		Weather. (287)	Temp. (288)	Humid. (289)	Visibility. (290)	Cloud. (291-293)			Barom. at M.S.L. (295)	Change in 3 hours. (296)	Wind. (297)		Weather. (299)	Temp. (300)	Humid. (301)	Visibility. (302)	Cloud. (303-305)			Barom. at M.S.L. (307)	Change in 3 hours. (308)	Wind. (309)		Weather. (311)	Temp. (312)	Humid. (313)	Visibility. (314)	Cloud. (315-317)			Barom. at M.S.L. (319)	Change in 3 hours. (320)	Wind. (321)		Weather. (323)	Temp. (324)	Humid. (325)	Visibility. (326)	Cloud. (327-329)			Barom. at M.S.L. (331)	Change in 3 hours. (332)	Wind. (333)		Weather. (335)	Temp. (336)	Humid. (337)	Visibility. (338)	Cloud. (339-341)			Barom. at M.S.L. (343)	Change in 3 hours. (344)	Wind. (345)		Weather. (347)	Temp. (348)	Humid. (349)	Visibility. (350)	Cloud. (351-353)			Barom. at M.S.L. (355)	Change in 3 hours. (356)	Wind. (357)		Weather. (359)	Temp. (360)	Humid. (361)	Visibility. (362)	Cloud. (363-365)			Barom. at M.S.L. (367)	Change in 3 hours. (368)	Wind. (369)		Weather. (371)	Temp. (372)	Humid. (373)	Visibility. (374)	Cloud. (375-377)			Barom. at M.S.L. (379)	Change in 3 hours. (380)	Wind. (381)		Weather. (383)	Temp. (384)	Humid. (385)	Visibility. (386)	Cloud. (387-389)			Barom. at M.S.L. (391)	Change in 3 hours. (392)	Wind. (393)		Weather. (395)	Temp. (396)	Humid. (397)	Visibility. (398)	Cloud. (399-401)			Barom. at M.S.L. (403)	Change in 3 hours. (404)	Wind. (405)		Weather. (407)	Temp. (408)	Humid. (409)	Visibility. (410)	Cloud. (411-413)			Barom. at M.S.L. (415)	Change in 3 hours. (416)	Wind. (417)		Weather. (419)	Temp. (420)	Humid. (421)	Visibility. (422)	Cloud. (423-425)			Barom. at M.S.L. (427)	Change in 3 hours. (428)	Wind. (429)		Weather. (431)	Temp. (432)	Humid. (433)	Visibility. (434)	Cloud. (435-437)			Barom. at M.S.L. (439)	Change in 3 hours. (440)	Wind. (441)		Weather. (443)	Temp. (444)	Humid. (445)	Visibility. (446)	Cloud. (447-449)			Barom. at M.S.L. (451)	Change in 3 hours. (452)	Wind. (453)		Weather. (455)	Temp. (456)	Humid. (457)	Visibility. (458)	Cloud. (459-461)			Barom. at M.S.L. (463)	Change in 3 hours. (464)	Wind. (465)		Weather. (467)	Temp. (468)	Humid. (469)	Visibility. (470)	Cloud. (471-473)			Barom. at M.S.L. (475)	Change in 3 hours. (476)	Wind. (477)		Weather. (479)	Temp. (480)	Humid. (481)	Visibility. (482)	Cloud. (483-485)			Barom. at M.S.L. (487)	Change in 3 hours. (488)	Wind. (489)		Weather. (491)	Temp. (492)	Humid. (493)	Visibility. (494)	Cloud. (495-497)			Barom. at M.S.L. (499)	Change in 3 hours. (500)	Wind. (501)		Weather. (503)	Temp. (504)	Humid. (505)	Visibility. (506)	Cloud. (507-509)			Barom. at M.S.L. (511)	Change in 3 hours. (512)	Wind. (513)		Weather. (515)	Temp. (516)	Humid. (517)	Visibility. (518)	Cloud. (519-521)			Barom. at M.S.L. (523)	Change in 3 hours. (524)	Wind. (525)		Weather. (527)	Temp. (528)	Humid. (529)	Visibility. (530)	Cloud. (531-533)			Barom. at M.S.L. (535)	Change in 3 hours. (536)	Wind. (537)		Weather. (539)	Temp. (540)	Humid. (541)	Visibility. (542)	Cloud. (543-545)			Barom. at M.S.L. (547)	Change in 3 hours. (548)	Wind. (549)		Weather. (551)	Temp. (552)	Humid. (553)	Visibility. (554)	Cloud. (555-557)			Barom. at M.S.L. (559)	Change in 3 hours. (560)	Wind. (561)		Weather. (563)	Temp. (564)	Humid. (565)	Visibility. (566)	Cloud. (567-569)			Barom. at M.S.L. (571)	Change in 3 hours. (572)	Wind. (573)		Weather. (575)	Temp. (576)	Humid. (577)	Visibility. (578)	Cloud. (579-581)			Barom. at M.S.L. (583)	Change in 3 hours. (584)	Wind. (585)		Weather. (587)	Temp. (588)	Humid. (589)	Visibility. (590)	Cloud. (591-593)			Barom. at M.S.L. (595)	Change in 3 hours. (596)	Wind. (597)		Weather. (599)	Temp. (600)	Humid. (601)	Visibility. (602)	Cloud. (603-605)			Barom. at M.S.L. (607)	Change in 3 hours. (608)	Wind. (609)		Weather. (611)	Temp. (612)	Humid. (613)	Visibility. (614)	Cloud. (615-617)			Barom. at M.S.L. (619)	Change in 3 hours. (620)	Wind. (621)		Weather. (623)	Temp. (624)	Humid. (625)	Visibility. (626)	Cloud. (627-629)			Barom. at M.S.L. (631)	Change in 3 hours. (632)	Wind. (633)		Weather. (635)	Temp. (636)	Humid. (637)	Visibility. (638)	Cloud. (639-641)			Barom. at M.S.L. (643)	Change in 3 hours. (644)	Wind. (645)		Weather. (647)	Temp. (648)	Humid. (649)	Visibility. (650)	Cloud. (651-653)			Barom. at M.S.L. (655)	Change in 3 hours. (656)	Wind. (657)		Weather. (659)	Temp. (660)	Humid. (661)	Visibility. (662)	Cloud. (663-665)			Barom. at M.S.L. (667)	Change in 3 hours. (668)	Wind. (669)		Weather. (671)	Temp. (672)	Humid. (673)	Visibility. (674)	Cloud. (675-677)			Barom. at M.S.L. (679)	Change in 3 hours. (680)	Wind. (681)		Weather. (683)	Temp. (684)	Humid. (685)	Visibility. (686)	Cloud. (687-689)			Barom. at M.S.L. (691)	Change in 3 hours. (692)	Wind. (693)		Weather. (695)	Temp. (696)	Humid. (697)	Visibility. (698)	Cloud. (699-701)			Barom. at M.S.L. (703)	Change in 3 hours. (704)	Wind. (705)		Weather. (707)	Temp. (708)	Humid. (709)	Visibility. (710)	Cloud. (711-713)			Barom. at M.S.L. (715)	Change in 3 hours. (716)	Wind. (717)		Weather. (719)	Temp. (720)	Humid. (721)	Visibility. (722)	Cloud. (723-725)			Barom. at M.S.L. (727)	Change in 3 hours. (728)	Wind. (729)		Weather. (731)	Temp. (732)	Humid. (733)	Visibility. (734)	Cloud. (735-737)			Barom. at M.S.L. (739)	Change in 3 hours. (740)	Wind. (741)		Weather. (743)	Temp. (744)	Humid. (745)	Visibility. (746)	Cloud. (747-749)			Barom. at M.S.L. (751)	Change in 3 hours. (752)	Wind. (753)		Weather. (755)	Temp. (756)	Humid. (757)	Visibility. (758)	Cloud. (759-761)			Barom. at M.S.L. (763)	Change in 3 hours. (764)	Wind. (765)		Weather. (767)	Temp. (768)	Humid. (769)	Visibility. (770)	Cloud. (771-773)			Barom. at M.S.L. (775)	Change in 3 hours. (776)	Wind. (777)		Weather. (779)	Temp. (780)	Humid. (781)	Visibility. (782)	Cloud. (783-785)			Barom. at M.S.L. (787)	Change in 3 hours. (788)	Wind. (789)		Weather. (791)	Temp. (792)	Humid. (793)	Visibility. (794)	Cloud. (795-797)			Barom. at M.S.L. (799)	Change in 3 hours. (800)	Wind. (801)		Weather. (803)	Temp. (804)	Humid. (805)	Visibility. (806)	Cloud. (807-809)			Barom. at M.S.L. (811)	Change in 3 hours. (812)	Wind. (813)		Weather. (815)	Temp. (816)	Humid. (817)	Visibility. (818)	Cloud. (819-821)			Barom. at M.S.L. (823)	Change in 3 hours. (824)	Wind. (825)		Weather. (827)	Temp. (828)	Humid. (829)	Visibility. (830)	Cloud. (831-833)			Barom. at M.S.L. (835)	Change in 3 hours. (836)	Wind. (837)		Weather. (839)	Temp. (840)	Humid. (841)	Visibility. (842)	Cloud. (843-845)			Barom. at M.S.L. (847)	Change in 3 hours. (848)	Wind. (849)		Weather. (851)	Temp. (852)	Humid. (853)	Visibility. (854)	Cloud. (855-857)			Barom. at M.S.L. (859)	Change in 3 hours. (860)	Wind. (861)		Weather. (863)	Temp. (864)	Humid. (865)	Visibility. (866)	Cloud. (867-869)			Barom. at M.S.L. (871)	Change in 3 hours. (872)	Wind. (873)		Weather. (875)	Temp. (876)	Humid. (877)	Visibility. (878)	Cloud. (879-881)			Barom. at M.S.L. (883)	Change in 3 hours. (884)	Wind. (885)		Weather. (887)	Temp. (888)	Humid. (889)	Visibility. (890)	Cloud. (891-893)			Barom. at M.S.L. (895)	Change in 3 hours. (896)	Wind. (897)		Weather. (899)	Temp. (900)	Humid. (901)	Visibility. (902)	Cloud. (895-897)			Barom. at M.S.L. (899)	Change in 3 hours. (900)	Wind. (901)		Weather. (903)	Temp. (904)	Humid. (905)	Visibility. (906)	Cloud. (907-909)			Barom. at M.S.L. (911)	Change in 3 hours. (912)	Wind. (913)		Weather. (915)	Temp. (916)	Humid. (917)	Visibility. (918)	Cloud. (919-921)			Barom. at M.S.L. (923)	Change in 3 hours. (924)	Wind. (925)		Weather. (927)	Temp. (928)	Humid. (929)	Visibility. (930)	Cloud. (929-931)			Barom. at M.S.L. (933)	Change in 3 hours. (934)	Wind. (935)		Weather. (937)	Temp. (938)	Humid. (939)	Visibility. (940)	Cloud. (939-941)			Barom. at M.S.L. (943)	Change in 3 hours. (944)	Wind. (945)		Weather. (947)	Temp. (948)	Humid. (949)	Visibility. (950)	Cloud. (947-949)			Barom. at M.S.L. (951)	Change in 3 hours. (952)	Wind. (953)		Weather. (955)	Temp. (956)	Humid. (957)	Visibility. (958)	Cloud. (955-957)			Barom. at M.S.L. (959)	Change in 3 hours. (960)	Wind. (961)		Weather. (963)	Temp. (964)	Humid. (965)	Visibility. (966)	Cloud. (963-965)			Barom. at M.S.L. (967)	Change in 3 hours. (968)	Wind. (969)		Weather. (971)	Temp. (972)	Humid. (973)	Visibility. (974)	Cloud. (971-973)			Barom. at M.S.L. (975)	Change in 3 hours. (976)	Wind. (977)		Weather. (979)	Temp. (980)	Humid. (981)	Visibility. (982)	Cloud. (979-981)			Barom. at M.S.L. (983)	Change in 3 hours. (984)	Wind. (985)		Weather. (987)	Temp. (988)	Humid. (989)	Visibility. (990)	Cloud. (987-989)			Barom. at M.S.L. (991)	Change in 3 hours. (992)	Wind. (993)		Weather. (995)	Temp. (996)	Humid. (997)	Visibility. (998)	Cloud. (995-997)			Barom. at M.S.L. (999)	Change in 3 hours. (1000)	Wind. (999)		Weather. (1001)	Temp. (1002)	Humid. (1003)	Visibility. (1004)	Cloud. (999-1001)			Barom. at M.S.L. (1003)	Change in 3 hours. (1004)	Wind. (1005)		Weather. (1007)	Temp. (1008)	Humid. (1009)	Visibility. (1010)	Cloud. (1007-1009)			Barom. at M.S.L. (1011)	Change in 3 hours. (1012)	Wind. (1013)		Weather. (1015)	Temp. (1016)	Humid. (1017)	Visibility. (1018)	Cloud. (1015-1017)			Barom. at M.S.L. (1019)	Change in 3 hours. (1020)	Wind. (1021)		Weather. (1023)	Temp. (1024)	Humid. (1025)	Visibility. (1026)	Cloud. (1023-1025)			Barom. at M.S.L. (1027)	Change in 3 hours. (1028)	Wind. (1029)		Weather. (1031)	Temp. (1032)	Humid. (1033)	Visibility. (1034)	Cloud. (1031-1033)			Barom. at M.S.L. (1035)	Change in 3 hours. (1036)	Wind. (1037)		Weather. (1039)	Temp. (1040)	Humid. (1041)	Visibility. (1042)	Cloud. (1039-1041)			Barom. at M.S.L. (1043)	Change in 3 hours. (1044)	Wind. (1045)		Weather. (1047)	Temp. (1048)	Humid. (1049)	Visibility. (1050)	Cloud. (1047-1049)			Barom. at M.S.L. (1051)	Change in 3 hours. (1052)	Wind. (1053)		Weather. (1055)	Temp. (1056)	Humid. (1057)	Visibility. (1058)	Cloud. (1055-1057)			Barom. at M.S.L. (1059)	Change in 3 hours. (1060)	Wind. (1061)		Weather. (1063)	Temp. (1064)	Humid. (1065)	Visibility. (1066)	Cloud. (1063-1065)			Barom. at M.S.L. (1067)	Change in 3 hours. (1068)	Wind. (1069)		Weather. (1071)	Temp. (1072)	Humid. (1073)	Visibility. (1074)	Cloud. (1071-1073)			Barom. at M.S.L. (1075)	Change in 3 hours. (1076)	Wind. (1077)		Weather. (1079)

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 9th December, 1938.

No. 28141

Disorder.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 8th December														OBSERVATIONS at 18h. G.M.T. 8th December														PAST 24 HOURS.							
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-12	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-12	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.							
				Direc.	Force 0-12					Form.	Amount.	Height of Base (feet)	Direc.	Force 0-12			Form.	Amount.					Height of Base (feet)	Low.	Med.	High.	Low 0-10			Total 0-10	Low 0-10	Total 0-10	Height of Base (feet)	7h.—13h. 8th	13h.—18h. 8th	18h.—8th 9th	1h.—7h. 9th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)				
(For heights see p. 4.)																																					
1	London (Kew)	995.1	0	SW	4	Z	51	85	6	2	-	7	10	1500	997.5	+24	SW'S	3	Z	47	75	6	5	2	-	4-6	7-8	2500	1	*	cm, d, psc	cm, d, cm	cb, cm	bx			
	Croydon	995.8	+2	S	4	q/r	51	85	6	7	-	7-8	9+	1500	997.6	+22	SW	4	Z	46	75	6	4	7	-	2-3	9+	2500	1	*	ld, d, psc	m, p, m	cz, bcw	bx			
	S. Farnborough	994.7	-4	SW	4	c	51	85	7	6	2	-	4-6	10	800	997.8	+26	SW'S	3	bc	44	85	7	5	-	-	4-6	4-6	4000	1	*	cd, m, c	cp, v, bc	cbw	bx		
	Boscombe Down	993.7	-6	SSW	4	c	49	92	8	7	-	7-8	9	1500	998.1	+22	SW'S	4	bc	41	92	7	5	4	-	2-3	4-6	2500	1	*	cd, d, c	cb	bc, b	bx			
	Calshot (Stmntn.)	995.7	0	SSW	4	q/pr	50	92	8	8	7	-	4-6	9+	1500	999.0	+22	SW'S	3	bc	45	85	7	8	4	1	2-3	2-3	2500	1	2	cir, p	cb, c	bc, bcw	bc, bcw		
	Lympe	998.2	-6	SSW	5	c	50	92	8	5	-	-	10	10	1500	999.0	+10	SW'S	4	c	46	85	7	5	7	-	4-6	9+	2500	1	3	om, c	cd, c	cb, c	bc, c		
	Manston	997.0	-10	SW	4	c	51	85	7	5	2	-	9+	10	800	997.5	+8	SW'S	4	q/pr	50	85	7	5	-	-	9+	9+	1500	1	*	cr, m	cir, p	cb	cb, c		
2	Shoeburyness	996.5	0	S	4	c	51	85	8	9	2	-	4-6	10	800	997.6	+12	SSW	4	c	49	75	8	5	-	-	10	10	1500	1	*	ir, c	c	cb, c	bx, z		
	Felixstowe	996.9	-2	SW	4	c	50	85	7	5	2	-	4-6	10	2500	996.5	+2	S	4	c	49	92	7	5	2	-	7-8	10	2500	0	4	cm, d, c	c	cm, bcw	bx, z		
	Gorleston	995.9	-10	SSW	6	c	50	92	6	6	-	-	10	10	2500	995.8	-2	SSW	5	c	50	92	6	5	2	-	7-8	10	2500	1	4	or, d, c	oid, c	cb, c	bx		
	Mildenhall	994.4	-2	SW	4	Z	51	85	6	5	2	-	2-3	10	1500	995.1	+10	SW'S	5	c	50	75	7	6	2	-	7-8	9+	2500	1	*	cid, m, c	cm	cb, c	bx		
	Cranwell	993.0	-16	SE	3	c/d	43	97	5	5	-	-	10	10	220	992.9	+6	SSW	4	Z	46	85	6	5	2	-	9	10	1500	1	*	16, m, c	om, cm	cm, c	cb, c		
3	Birmingham	992.8	-12	S	2	df	42	97	2	5	-	-	10	10	450	994.0	+10	WSW	4	c	43	85	6	5	-	-	9	9	800	1	*	r, of, d	dfc	cb	b		
	Upper Heyford	994.0	-10	SSW	3	Z	47	97	6	5	3	1	4-6	9+	800	996.5	+28	SW	2	bc	42	85	7	5	-	-	4-6	4-6	1500	1	*	of, r, of, cm	cm, c, v, bc	cb, c	bb, m, x		
4	Ross-on-Wye	992.5	-10	W	1	ld	44	92	4	5	-	-	10	10	800	995.5	+12	SW	3	c	44	75	8	5	-	-	7-8	7-8	2500	1	*	d, m, d, if, d	om, c	cb, c	bb, x		
5	Harland Point	994.9	+32	WNW	5	c	46	85	8	8	-	-	7-8	7-8	1500	998.0	+16	WNW	5	bc	46	85	8	3	-	-	4-6	4-6	1500	1	3	crr, p	cp, bc	bc, p	bc, c		
	Bristol	993.4	+2	SW	3	c	48	85	8	6	-	-	7-8	9+	1500	997.2	+20	W	3	bc	43	85	7	8	-	-	2-3	2-3	2500	1	*	cd, r, c	cp, bc	bc, p	bc, x		
	Portland Bill	994.5	+10	W	5	c	50	92	8	5	-	-	7-8	7-8	2500	998.4	+30	WNW	4	c	48	92	8	5	-	-	7-8	7-8	2500	1	4	c	c	c	c		
	Plymouth	996.3	+18	W	4	bc	49	75	8	8	3	-	4-6	4-6	2500	999.7	+20	W	3	bc	45	75	8	2	-	-	2-3	2-3	2500	1	1	r, r, bc	bc	bc, b	bp, c		
	The Lizard	997.9	+16	WNW	5	bc	48	75	8	8	-	-	4-6	4-6	2500	1000.8	+24	W'S	3	pr	45	75	8	8	-	-	4-6	4-6	2500	1	3	cp, bc	bc, p	bc, p	cp, r		
	Scilly (St. Mary's)	998.1	+12	NW	4	bc, p	49	75	8	4	-	-	4-6	4-6	1500	1000.3	+10	NW	2	bc, p	42	85	8	4	4	-	2-3	4-6	1500	1	3	cp, bc	cp, bc	bc, c	cir, g		
	Guernsey	997.3	+16	W	3	c	50	75	8	8	3	-	7-8	9	1500	1000.5	+26	SW'S	1	c	45	85	9	8	3	-	4-6	7-8	1500	1	3	cir	cp, bc	cp, bc	cir, p		
6	Pembroke	993.9	+12	WNW	5	q/r	45	85	8	8	6	2	4-6	7-8	2500	997.2	+20	WNW	4	bc	47	75	8	2	-	-	4-6	4-6	2500	1	2	cir, g	cp, bc	bc, p	cp, g		
7	Holyhead	990.7	-10	S	2	r, c	44	85	7	6	2	-	4-6	10	1500	992.4	+18	NW'S	5	r, c	45	85	7	9	2	-	7-8	10	1500	1	3	bc, r, c	r, r, c	cb, r, b	bc, p, b		
8	Chester (Sealand)	992.4	-10	ESE	1	r, r	40	97	4	-	2	-	10	10	800	993.1	+12	SSW	1	ir, c	41	92	5	-	2	-	10	10	4000	1	*	crr, m	crr, m	cb, r, b	bx, m		
	Manchester	992.1	-18	E	1	r, f	41	97	3	6	2	-	9+	10	1500	992.7	+10	W'S	1	m	39	97	4	5	-	-	10	10	1500	1	*	diff, r, of, r	r, r, of, r, m	om, r, c, p, r	cp, bc, m, x		
10	Spurn Head	992.7	-28	SES	4	dd	44	97	4	5	-	-	10	10	450	992.3	0	SSW	3	ir	47	97	5	5	-	-	10	10	800	1	1	r, m, d	d, m, r, o	ir, c	cb, w		
	Catterick	992.4	-26	SE	1	ir	39	97	6	5	2	-	4-6	10	800	992.3	+4	W'S	1	bc, r	38	92	6	6	7	-	4-6	4-6	800	1	*	oir, m	d, o, d, ir, c	cb, r, m	cm, x, bc		
	Tynemouth	992.0	-28	S	2	q/r	40	85	5	2	-	-	10	10	1500	991.4	-4	SW	2	ir, c	38	92	5	-	2	-	10	10	1500	1	1	c, oir	orr	oir	bc		
11	St. Abbs Head	992.2	-6	S	2	c	39	92	5	8	2	-	7-8	10	1500	990.1	-4	S	3	ir, c	39	85	6	8	2	-	7-8	10	1500	1	3	cm	cm, r	m, c	cb, m		
	Leuchars	992.1	-20	W	1	Z	40	75	6	5	7	-	2-3	9	2500	990.1	-4	W	1	ir, c	38	92	5	-	2	-	0	10	-	1	*	cm, c	cm, r, c	m, c	cm, b, x		
	Bentley (Abbots I.)	992.7	-14	ENE	1	m/f	41	85	4	5	-	-	10	10	2500	991.4	-6	NNE	1	r, c	39	92	4	5	-	-	10	10	800	1	*	m, r, d, f, o	om, r, f, o	r, f, o, m, b	bc, x, m		
	Eskdalemuir	991.9	-20	NNE	1	c	36	92	6	5	2	-	10	10	1500	991.3	0	S'W	1	r, c	36	97	4	-	2	-	10	10	220	1	*	c, r, c	cd, d, o, r, f	r, o, d, d, f	cb, x		
	Point of Ayre	991.2	-8	SE	4	c	45	85	6	5	2	-	7-8	10	1500	991.1	+2	SW	2	c	42	97	7	8	2	-	4-6	7-8	1500	1	2	c, z	cp, c	r, c, bc	bc, c		
12	Tiree	991.8	0	NNW	5	c	44	92	8	8	3	-	4-6	7-8	2500	991.6	0	NNW	2	bc	42	85	8	8	-	-	2-3	2-3	2500	1	3	d, r, d, c	cb, c	bc	cp, bc		
13	Stornoway	992.9	0	-	0	c/r	40	97	8	5	2	-	4-6	9+	2500	992.3	-2	NNW	2	c	39	92	7	5	-	-	9	9	1500	1	1	c, r, c	cp, r	bc, p	bc, p, r		
14	Dalwhinnie	992.4	-16	S	4</																																

REPORTS from HEALTH RESORTS for 8th December, 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. to 5h. 8th.	Max. 5h. to 9h. 8th.	Night. 17h. to 9h. 8th.	Day. 9h. to 17h. 8th.	
1	Tunbridge W.	oro	oro	40	51	2	1	0.0
	Bournemouth	crrr	ocbc	45	51	3	1	1.2
	Ventnor	po	pcoc	44	53	1	0.5	0.3
	Southsea	cfac	tbcc	45	52	0.6	0.5	0.3
	Bognor Regis	rro	ocbc	44	51	3	1	0.1
	Littlehampton	crrr	cpc	44	52	3	1	0.1
	Worthing	cr	c	44	52	3	2	0.0
	Brighton	ccid	cide	44	52	3	1	0.0
	Eastbourne	co	oro	44	53	4	0.3	0.0
	Hastings	co	oppco	43	52	3	1	0.0
	Folkestone	oro	o	42	52	-	Trace	0.0
	Dover	oco	o	43	53	2	-	0.0
2	Deal	o	o	41	52	2	-	0.0
	Ramsgate	o	o	42	52	1	-	0.0
	Margate	c	c	41	52	0.5	-	0.0
	Southend	o	oco	41	50	1	-	0.0
	Clacton-on-Sea	odoc	coc	42	49	2	0.1	0.0
	Dovercourt	doc	doc	42	50	1	Trace	0.0
	Lowestoft	cir	cir	44	50	0.3	1	0.0
3	Skegness	oddo	o	41	49	0.5	2	0.0
	Mablethorpe	oro	co	39	48	2	2	0.0
	Cleethorpes	cr	oro	39	46	Trace	1	0.0
	Leamington S.	odo	oc	39	49	1	0.1	0.1
	Cheltenham	omoc	c	40	49	1	-	0.2
	Bath	rac	cbc	42	50	0.3	Trace	0.5
	Weymouth	cb	cbc	45	53	2	-	2.2
4	Jersey	rcc	bepe	43	52	5	Trace	0.7
	Torquay	bbe	bcbob	46	50	1	0.1	4.2
	Falmouth	b	cbpe	44	50	2	0.1	4.6
	Penzance	ebap	bepe	45	50	2	1	4.9
	St. Ives	c	bc	44	49	3	-	2.7
	Rude	croc	cpcoc	46	49	4	Trace	0.6
	Ilfracombe	croc	cpcoc	46	49	4	Trace	0.6
6	Aberystwyth	copr	cpr	42	49	-	5	0.0
	Llandudno	c	ro	40	44	0.1	2	0.0
	Colwyn Bay	co	pop	40	44	2	2	0.0
	Rhyl	com	orr	38	43	Trace	5	0.0
8	Wallasey	cork	RR	40	51	-	9	0.0
	Southport	czorm	rrodff	39	40	Trace	4	0.0
	Blackpool	com	oiron	39	41	-	1	0.0
	Morecambe	com	oiron	39	41	-	1	0.0
9	Ilkley	omg	ro	38	39	-	1	0.0
	Harrogate	oro	oro	38	40	1	2	0.0
	Berwick-on-T.	cm	mon	39	41	1	-	0.0
	Dunbar	bcm	o	37	40	-	-	0.0
12	Troon	coccp	orror	42	47	Trace	3	0.0
	Douglas	cicm	cicm	43	44	0.5	3	0.0

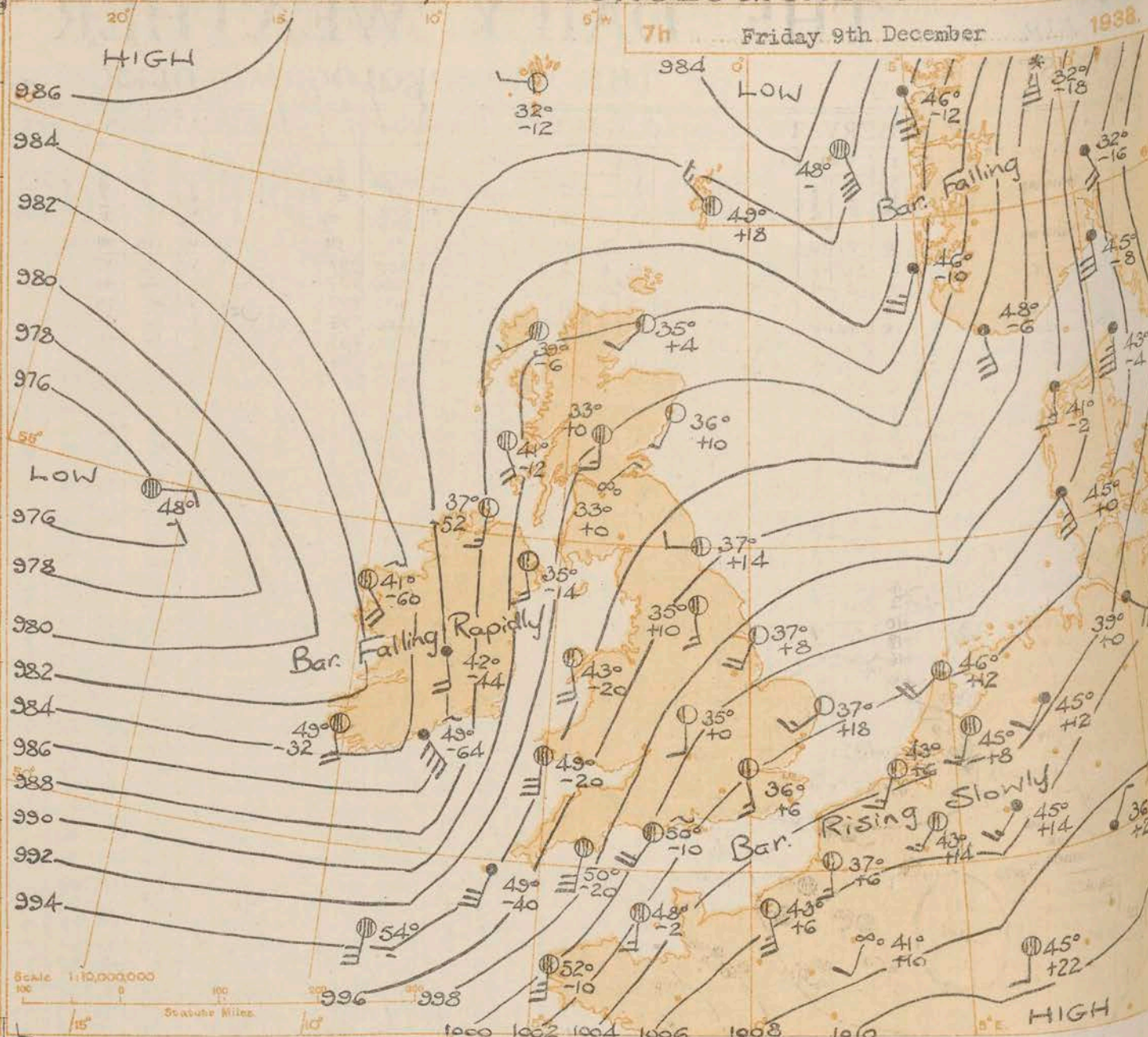
† Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h.-9h.

DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T., 9th December, 1938.

1 S.E. England	Southerly winds, freshening to strong to gale, later veering west and moderating; occasional rain; some bright intervals; average temperature.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	Southeasterly winds, light to moderate, freshening to strong to gale locally; bright at first, some rain later; average temperature.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl. B.N.W. Scotl. land.	Light variable winds, freshening from southeast; fine today, some rain tomorrow; rather cold then average temperature.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	As 1 - 7.
18 N.E. Ireland	As 8 - 14.
19 S.E. Ireland	As 1 - 7.
20 S.W. Ireland	

N.W. Stationary Office Press, Kingsway, W.C.2

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A ridge of high pressure is moving northeastwards across the British Isles and being followed by a depression from the Atlantic. It will be fine in eastern and northern districts at first but rain with freshening winds will rapidly extend eastwards from Ireland across the country.

FURTHER OUTLOOK.

Continuing unsettled with further rain in most areas.

Times of issue of Gale Warnings.

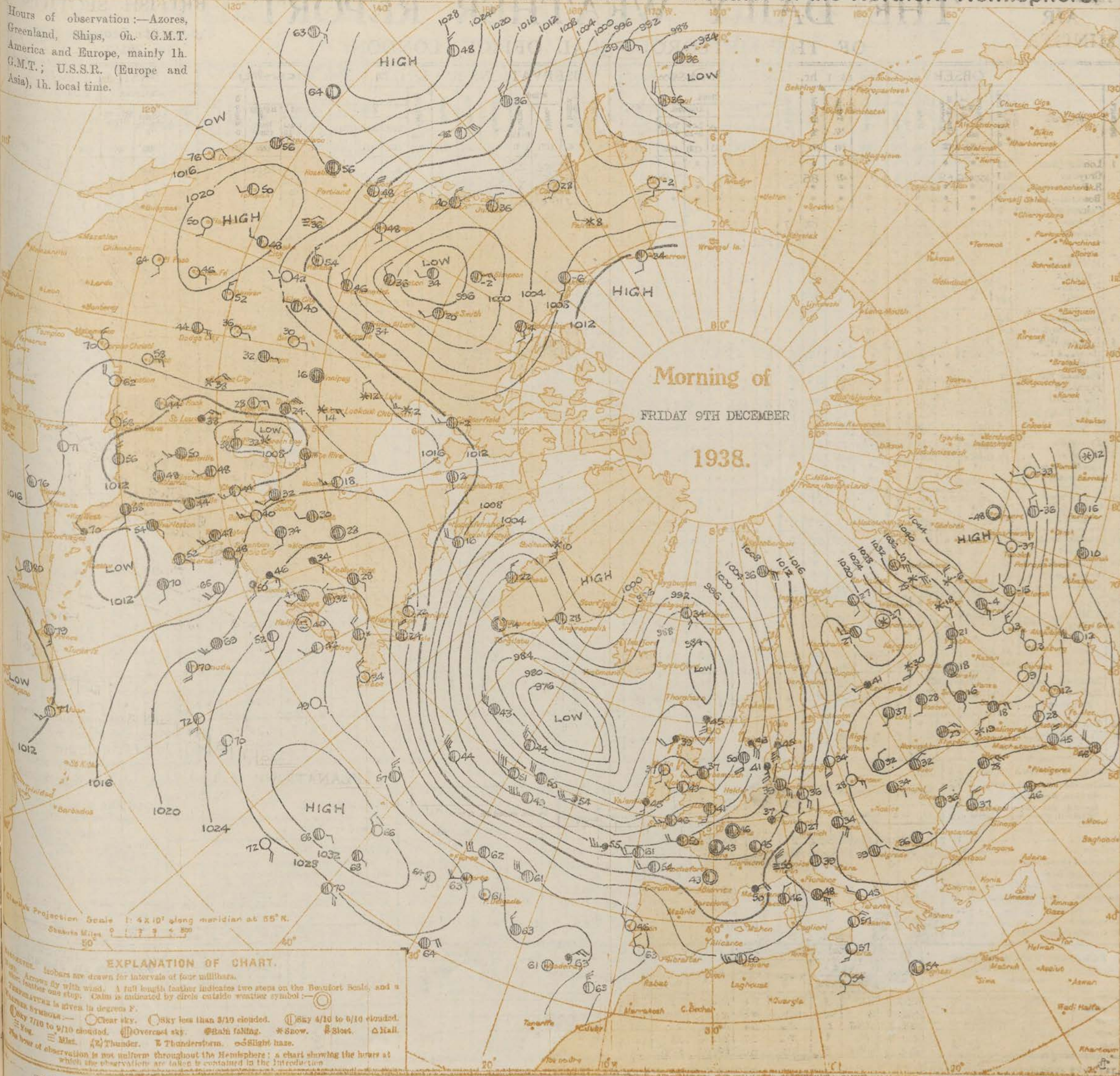
South Cone hoisted at 1930 on 8/12/38 in districts 13A, 17, 19 and 20; and at 0745 on 9/12/38 in districts 1, 2, 5, 6, 7, 8, 10, 12, 13B, and 18.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.,
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, On. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 9th December, 1938.

No. 28141

OBSERVATIONS at 1 hr. G.M.T. 5th December															OBSERVATIONS at 7 hr. G.M.T. 5th December															PAST 24 HOURS.								
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Temp. °F.	° Humid.	° Visibility.	Cloud.					Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Temp. °F.	° Humid.	° Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		SUN-ASTH 8th Hr.				
					Dir.	Force				Form.	Amount.		Height of Base (feet).	Dir.			Force	Form.				Amount.		Height of Base (feet).	Max. Day 7h-15h °F.	Min. Night 15h-7h °F.			Min. on Grass °F.	Day 7h-15h mm.	Night 15h-7h mm.							
											Low	Med.										High	Low									Total	Low		Total			
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	1001.3	+4	SSE	2	b	34	57	7	5	-	-	1	1	2500	1	*	51	34	20	0.6	Tr	0.1				
	Croydon	217	1000.6	+8	SW	3	c	41	85	7	-	4	3	0	7-8	-	1002.0	+6	SE	2	bc	36	57	6	-	4	-	0	2-3	-	1	*	52	35	32	1	Tr	0.0
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	1001.5	+2	SE	3	bc	36	57	6	-	-	0	0	-	1	*	51	33	28	0.4	Tr	0.0					
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	1000.9	+4	SE	3	b	31	57	6	5	-	-	1	1	-	1	*	49	29	26	1	Tr	0.2				
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	1002.0	0	SSE	2	b	43	86	6	8	4	-	1	1	2500	1	*	52	40	36	0.3	Tr	0.0				
	Lympe	346	1002.3	+10	SW	2	c	41	85	7	-	7	-	0	9	-	1003.5	+8	SW	1	c	39	52	7	5	-	8	9	4000	1	*	50	37	30	Tr	0.0		
	Manston	154	1001.1	+10	SW	2	c	39	92	7	5	7	-	4-6	9	4000	1002.5	+6	SW	2	c	39	85	7	5	7	-	4-6	7-8	5700	1	*	51	37	33	0.1	-	0.0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	1002.1	+6	SW	1	b	39	92	8	-	4	-	0	Tr	-	1	*	52	39	30	0.1	-	-	0.0			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	1002.1	+10	SW	1	bc	38	97	6	5	-	-	0	Tr	2500	0	1	50	30	28	Tr	-	-	0.0			
	Gorleston	5	998.5	+6	SW	4	bc	43	85	7	-	1	0	4-6	-	1001.5	+18	WSW	3	b	37	92	6	-	4	-	0	1	1	50	36	34	0.5	Tr	0.0			
	Mildenhall	19	998.4	+12	SW	3	b	38	92	7	-	-	0	0	-	1000.6	+10	SSW	2	b	36	92	7	-	4	-	0	Tr	-	1	*	51	35	30	Tr	Tr	0.0	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	999.3	+12	SSW	3	b	35	92	7	5	-	-	9	Tr	4000	1	*	47	34	29	1	-	-	0.0			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	999.5	0	S	2	b	35	97	6	-	-	-	0	0	-	1	*	44	34	31	1	-	-	0.0			
	Upper Hayford	408	*	*	*	*	*	*	*	*	*	*	1000.9	+4	SE	2	bc	31	97	6	-	-	-	0	0	-	1	*	50	31	23	1	-	-	0.2			
	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	999.4	-4	SSW	2	b	36	85	7	-	-	9	0	Tr	-	1	*	46	35	28	1	-	-	0.2			
4	Hartland Point	299	998.9	-10	WSW	6	c	45	85	8	8	-	-	7-8	7-8	1500	995.6	-26	S	6	c	43	52	8	5	2	-	7-8	9+	1500	1	3	47	42	38	3	1	1.6
	Bristol	209	*	*	*	*	*	*	*	*	*	*	999.7	-6	SW	3	b	38	85	7	5	-	-	1	1	4000	1	*	49	34	26	0.3	0.1	-	1.0			
	Portland Bill	32	1000.6	+10	SW	4	c	47	92	8	2	-	-	10	10	2500	1000.3	-10	SW	4	c	50	92	8	5	-	-	10	10	2500	1	4	51	46	*	1	-	5.0
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	997.7	-20	S	6	c	50	75	7	5	-	-	10	10	1500	1	3	50	36	33	*	2	-	4.2			
	The Lizard	240	1001.4	-4	SW	4	c	46	75	8	8	8	-	4-6	9+	2500	996.6	-20	S	6	pr	49	92	6	8	1	-	7-8	7-8	2500	1	3	49	42	*	0.5	1	3.8
	Scilly (St. Mary's)	163	1000.7	-6	SW	3	c	46	85	8	8	3	-	4-6	9+	1500	993.3	-40	SSW	6	pr	49	97	7	5	-	-	10	10	1500	1	3	49	42	*	0.4	0.1	
	Guernsey	175	1002.1	+4	WSW	2	bc	44	85	9	2	-	-	4-6	4-6	1500	1002.0	-2	S	3	c	48	85	9	5	3	-	4-6	5	2500	1	3	52	41	33	1	3	1.5
5	Pembroke	142	998.4	0	WSW	4	bc/pr	47	65	7	8	-	-	4-6	4-6	1500	995.1	-20	S	6	cq	49	75	7	8	2	-	4-6	9+	1500	1	3	49	45	*	12	0.2	1.8
	Holyhead	26	998.1	+6	WSW	2	bc	43	85	8	2	-	-	2-3	2-3	2500	993.2	-20	SE	4	bc/pr	43	92	9	2	4	-	2-3	2-3	2500	1	2	46	41	36	6	1	0.0
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	996.7	-4	ESE	2	bc	34	92	6	-	-	-	0	0	-	1	*	41	34	28	7	5	0.0	0.0			
	Manchester	70	*	*	*	*	*	*	*	*	*	*	997.0	0	SSE	2	bc	36	92	6	-	-	-	0	0	-	1	*	41	35	29	3	3	0.0	0.0			
10	Spurn Head	29	994.4	+8	SW	4	c	42	92	6	5	-	-	9	9	5700	998.0	+8	SW	4	b	37	97	6	-	-	-	0	0	-	1	3	47	38	*	1	Tr	0.0
	Catterick	175	*	*	*	*	*	*	*	*	*	*	996.5	+10	SE	3	bc	35	92	8	7	-	-	2-3	2-3	2500	1	*	40	34	28	2	1	Tr	0.0			
	Tynemouth	108	992.3	+2	SW	2	c/r	37	92	5	-	2	-	10	10	1300	994.7	+14	W	2	bc	37	85	6	2	-	-	2-3	2-3	2500	1	1	42	36	31	3	0.6	6.0
11	St Abbs Head	290	990.7	+6	W	4	c	40	85	5	5	1	-	7-8	9+	1500	993.0	+4	SW	4	bc	37	85	9	-	3	-	0	2-3	5700	0	3	40	35	*	Tr	0.3	1.1
	Leuchars	53	*	*	*	*	*	*	*	*	*	*	992.7	+6	-	0	b	31	92	8	-	7	-	0	Tr	-	3	*	40	30	20	Tr	0.3	0.0				
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	993.0	0	ENE	1	bc	33	92	5	1	3	-	1	7-8	2500	1	*	42	31	25	3	0.5	0.0				
	Esksdalemuir	794	*	*	*	*	*	*	*	*	*	*	994.9	0	-	0	c	28	92	7	5	-	-	7-8	7-8	1500	3	*	38	27	20	1	0.4	0.0				
	Point of Ayre	30	994.4	+10	WNW	5	b	44	85	8	2	-	-	Tr	Tr	1500	993.3	-12	SSW	3	c	39	92	8	1	-	3	1	7-8	2500	1	1	43	35	*	2	0.2	0.0
13	Tiree	22	*	*	*	*	*	*	*	*	*	*	988.7	-12	SSE	4	c	41	92	8	8	-	-	7-8	7-8	1800	1	*	44	35	30	2	0.3	0.6				
13	Stornoway	80	986.6	-4	SSW	4	pr	39	97	7	3	-	-	7-8	7-8	2500	990.2	-6	WSW	1	c	39	85	8	2	7	-	1	7-8	2500	1	1	41	35	*	6	0.3	0.0
15	Dalwhinnie	1170	*	*	*	*	*	*	*	*	*	*	*	*	*	*	992.0	0	S	3	c	33	85	7	4	6	-	4-6	5	1500	3	*	40	29	23	0.5	2	0.0
	Aberdeen	76	*	*	*	*	*	*	*	*	*	*	992.0	+10	SW	1	b	36	85	7	8	3	-	1	1	2500	1	1	43	35	28	-	Tr	0.0				
	Wick	81	988.2	+2	W	3	r.r.	39	97	7	5	2	-	9	10	800	989.2	+4	SW	2	bc	35	97	8	5	4	-	2-3	2-3	1500	1	1	47	34	*	-	1	0.0
16	Lerwick	156	984.7	-16	S	5	bc	45	85	6	9	2	-	7-8	10	800	986.5	+18	WNW	3	c	49	85	8	5	2	-	4-6	7-8	1500	1	*	44	31	26	5	0.0	0.0
17	Blackhead Point	18	992.7	-22	S	2	c	42	85	8	5	-	-	7-8	7-8	800	983.7	-60	SE	4	c	41	97	8	8	-	-	10	10	800	1	4	53	38	*	Tr	3	0.5
18	Malin Head	84	992.6	-4	S	1	bc	37	85	8	2	-	-	2-3	2-3	5700	988.0	-52	S	3	bc	37	85	8	4	-	4	1	4-6	5700	1	3	46	35	*	0.6	0.3	0.0
	Aldergrove	269	*	*	*	*	*	*	*	*	*	*	991.0	-14	SSE	3	bc	35	92	8	-	3	-	0	4-6	-	1	*	44	31	26	5	-	-	0.0	0.0		
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	986.5	-44	SE	4	pr	42	92	8	8	7	-	7-8	5	1500	1	*	44	32	21	0.1	0.1	4.1	3.8			
20	Valentia Obay.	30	992.8	+20	S	3	r.r.	45	92	7	5	-	-	10	10	800	982.5	-32	SE	4	c	49	92	7	5	7	-	4-6	5	1500	1	3	47	38	35	3	4	3.8
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	984.3	-64	SE	8	dr	49	97	5	5	-	-	16	10	450	1	5	47	35	*	0.1	3	0.0	0.0			

LONDON OBSERVATIONS.												EXPLANATION OF FIGURES, LETTERS, etc.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations except for rain/fall which is 9h—18h.												Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.												COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.						COLUMNS 3, 22—Code for surface visibility. Objects not visible at 55 yards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Height above M.S.L. in feet.												Weather						Temperature.						Rain/fall.						Sunshine to Sunset hrs.						Humidity.						Atmospheric Pollution.						COLUMNS 4, 18. THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.						COLUMNS 30.—Code for State of Sea.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
												Morning.			Afternoon.			Night.			Day Max.			Night Min.			Min. on Grass °F.			Day.		Night.		Yesterday.			To-day.			24 hrs. ended 7h. G.M.T. 9th.						24 hrs. ended 7h. G.M.T. 9th.						24 hrs. ended 7h. G.M.T. 9th.						24 hrs. ended 7h. G.M.T. 9th.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

N. K. JOHNSON, M.Sc., A.R.C.S., Director.

1 hr. observations are from Valencia W/T Station.

: Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

‡ Sea disturbances reported from Dungeness.

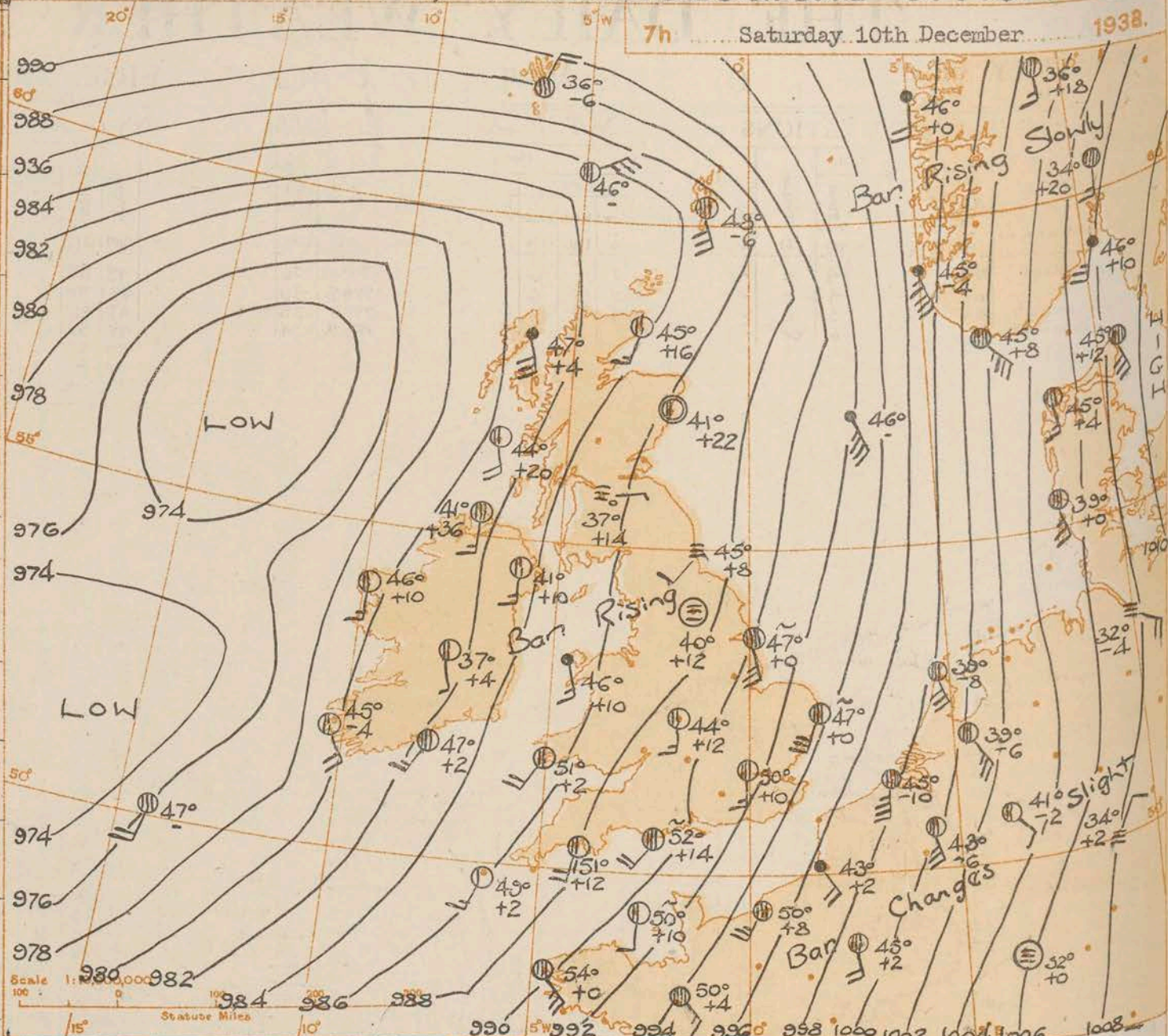
REPORTS from HEALTH RESORTS for 9th December 1938

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Forenoon.	Afternoon.	Min. 8h. to 9h.	Max. 9h. to 17h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	bberc	co	31	48	-	0.3	3.6
	Bournemouth	bcco	orr	34	51	Trace	6	0.6
	Ventnor	rcb	ouor	42	51	3	1	2.2
	Southsea	ebc	ocor	39	51	3	3	2.3
	Bognor Regis	bbe	cr	40	51	2	Trace	3.3
	Littlehampton	bc	bcer	38	51	1	Trace	3.1
	Worthing	bcb	bcco	38	51	1	-	3.2
	Brighton	bvrc	bcc	38	51	0.5	0.4	3.5
	Eastbourne†	bvpc	bcco	38	51	4	0.4	3.3
	Hastings†	pobe	bcco	39	51	2	Trace	3.8
	Folkestone	vberbc	ebcco	38	50	-	Trace	3.5
	Dover	bepbh	bcc	41	51	0.3	Trace	3.4
	Deal	bc	brc	41	49	-	Trace	4.2
	Ramsgate	bc	bcc	41	49	-	-	5.1
	Margate	bc	bcc	40	51	-	-	5.4
2	Southend	b	bcco	38	51	Trace	-	4.8
	Clacton-on-Sea	bc	bcco	38	48	-	-	4.8
	Dovercourt	xbc	ac	35	48	-	-	5.1
	Lowestoft	b	b	34	47	-	-	5.7
	Skegness	b	bcc	35	48	-	-	2.8
	Mablethorpe	bmab	bco	32	45	Trace	-	3.1
	Cleethorpe	bc	bccro	35	44	Trace	Trace	3.5
3	Leamington S.	bcc	or	32	48	-	1	0.8
4	Cheltenham†	c	coorr	34	49	-	4	0.5
5	Bath	c	crr	38	50	-	3	0.0
	Weymouth	c	crr	39	52	Trace	5	0.0
	Jersey	rebcc	cor	44	52	4	Trace	1.3
	Torquay	eqp	orrg	33	53	0.1	9	0.0
	Falmouth	eqro	orroc	38	53	2	17	0.0
	Penzance	qirrr	cir	39	54	2	27	0.0
	St. Ives	r	r	37	53	2	4	0.0
	Bude	r	r	37	53	2	4	0.0
	Ilfracombe	r	r	37	53	2	4	0.0
6	Aberystwyth	crr	rre	38	51	4	12	0.0
7	Llandudno	cir	rre	37	49	7	15	0.0
	Colwyn Bay	c	perc	35	48	10	12	0.0
	Rhyl	bcc	orrc	34	48	9	7	0.2
8	Wallassey	bcc	corr	36	47	4	5	0.0
	Southport	bexcoz	orrg	34	45	1	4	0.0
	Blackpool	bpcmo	oriro	34	45	1	5	0.0
	Morecambe	bpcmo	oriro	34	45	1	5	0.0
9	Ilkley	cor	or	34	42	2	6	0.8
	Harrogate	bbe	corr	35	42	3	3	0.4
10	Berwick-on-T.	bcb	moro	33	43	0.2	Trace	3.0
11	Dunbar	bex	cpr	34	42	-	Trace	3.4
12	Troon	ecbec	ecopo	37	44	Trace	Trace	0.8
	Douglas	crbct	cik	38	47	4	10	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE

7h Saturday 10th December 1938



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th December, 1938.

1 S.E. England	ALL DISTRICTS. Southerly winds, fresh to strong at times locally; occasional local rain or drizzle; some bright intervals; local hill fog; rather mild.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scotland.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

HM Stationery Office Press, Kingsway, W.C.2

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A complex depression is almost stationary to the west of Ireland. Weather will continue rather mild with some further rain or drizzle in most areas. There will also be some bright intervals.

FURTHER OUTLOOK.

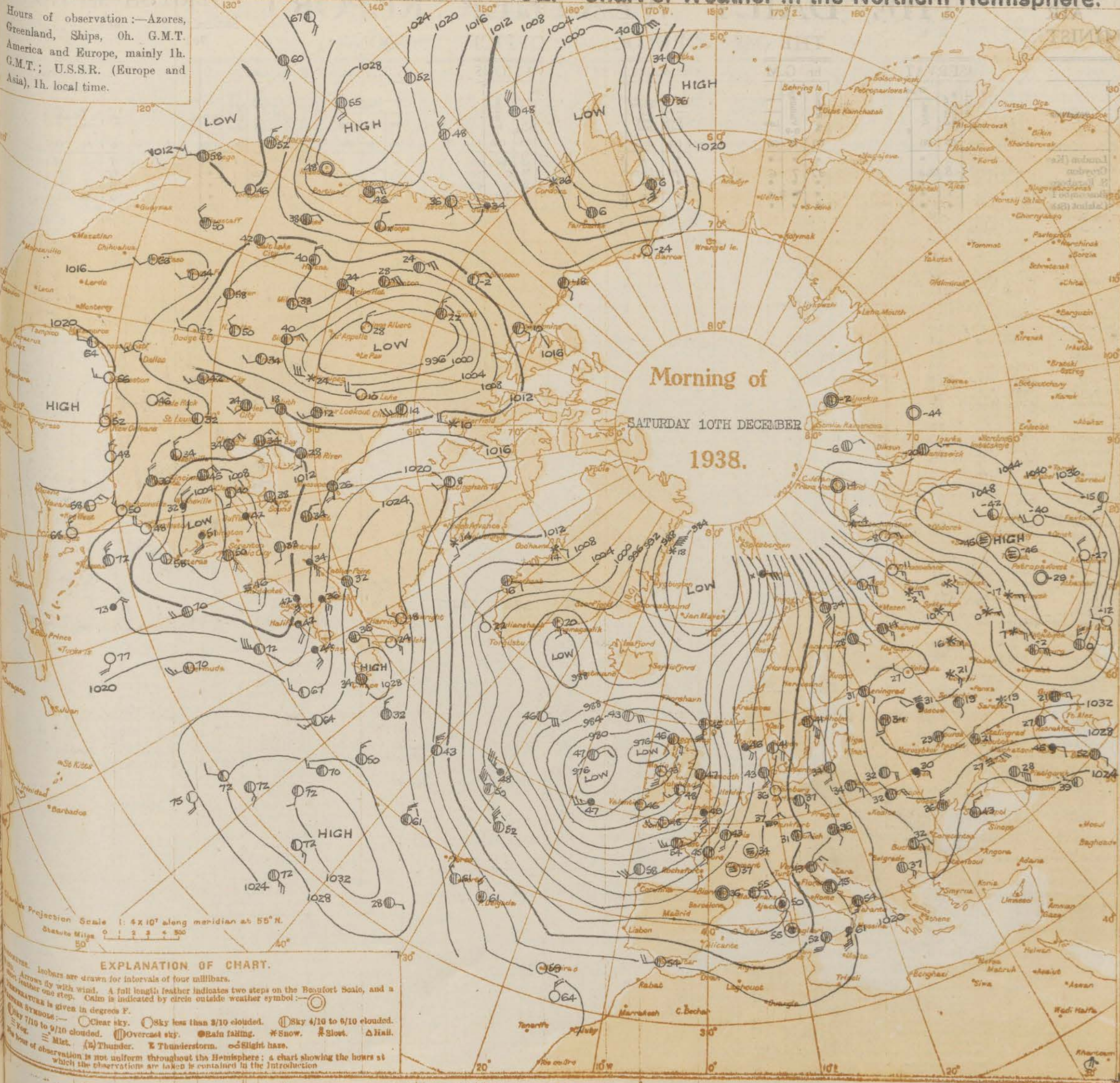
Continuing rather mild.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.,
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday 10th December, 1958.
No. 28142

OBSERVATIONS at 1 hr. G.M.T. 10th December.														OBSERVATIONS at 7 hr. G.M.T. 10th December.														PAST 24 HOURS.											
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sun-shine 0-24 Hrs. (36)					
					Dir. (3)	Force (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (11)	Form. (23)			Amount. (24)	Height of Base. (feet) (25)					Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)										
																														Low 0-10 (12)	Total 0-10 (13)	Low 0-10 (26)	Total 0-10 (27)						
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	991.3	+10	SSW	3	bc	49	92	7	5	-	-	2-3	2-3	1500	1	*	49	48	44	3	10	3-5				
	Croydon	217	991.5	-8	SSE	5	RR	49	97	7	6	2	-	9+	10	1500	991.7	+10	S	3	c	50	92	7	6	-	-	7-8	7-8	1500	1	*	49	45	45	1	22	3-2	
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	991.0	+6	S	2	c	49	92	7	5	-	-	9	9	1500	1	*	49	47	45	5	14	3-2				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	990.3	+12	SSE	3	bc	45	97	7	5	2	-	-	4-6	4-6	800	1	*	49	45	42	12	20	6-2			
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	*	991.3	+20	SSE	3	c	50	97	7	2	3	2	-	-	7-8	2500	1	51	48	47	5	12	1-7				
	Lymington	346	995.2	-14	SE	6	ir	46	92	5	6	2	-	9+	10	1500	994.7	+6	S	4	c/r	48	92	7	5	2	-	-	3+	10	800	1	48	45	44	Tr	12	4-4	
	Manston	154	994.3	-14	S	5	rr	45	97	6	6	2	-	7-8	10	1500	994.0	+8	S	4	ir	46	92	6	6	2	-	-	7-8	10	800	1	*	49	45	43	-	7	5-3
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	993.5	+6	SSW	4	c	47	92	7	5	-	-	10	10	1500	1	*	49	46	44	-	5	4-8				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	994.0	+4	SSE	5	c	47	92	7	5	2	-	-	9	10	1500	1	4	48	46	45	-	5	5-1			
	Gorleston	5	994.0	-6	SSW	7	rr	46	92	6	6	-	-	10	10	1500	993.1	0	SSW	6	c/r	47	85	6	6	-	-	10	10	2500	1	4	48	45	44	-	8	5-2	
	Mildenhall	19	990.7	-4	SE	5	ir	48	92	7	6	2	-	7-8	10	1500	990.9	+10	SSE	4	c/d	48	97	7	6	-	-	10	10	800	1	*	50	45	44	-	5	4-2	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	988.9	+4	S	3	ir	48	97	7	6	-	-	10	10	800	1	*	45	43	42	0-3	7	3-0				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	989.1	+12	S	3	bc	44	92	8	5	-	-	2-3	2-3	2500	1	*	46	44	40	7	7	0-0				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	990.1	+12	SSE	3	b	46	97	8	5	7	1	-	-	450	1	*	47	45	41	2	12	0-0				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	988.7	+12	SSW	1	bc	45	92	7	8	-	-	3	4-6	4-6	2500	1	*	49	44	37	17	3	0-0			
5	Hartland Point	299	985.3	-4	S	3	bc	46	92	5	3	-	-	4-6	4-6	2500	986.6	+6	SSW	3	bc	47	85	8	2	-	-	2-3	2-3	1500	1	3	53	45	42	12	2	0-0	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	988.9	+18	S	4	bc/pr	47	85	8	5	-	-	4-6	4-6	1500	1	*	51	47	41	3	3	0-0				
	Portland Bill	32	987.5	-10	bc	4	RR	51	92	6	5	-	-	10	10	800	989.4	+14	SSW	4	c	52	92	7	5	-	-	7-8	7-8	2500	1	4	52	48	*	6	13	0-0	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	988.3	+12	SSW	4	bc	51	85	8	8	-	-	4-6	4-6	1500	1	3	53	49	46	6	2	0-0				
	The Lizard	240	986.5	+4	SSW	3	c	50	97	8	8	6	-	7-8	9+	2500	987.1	+4	SSW	4	bc	51	85	8	8	-	-	4-6	4-6	2500	1	3	53	49	*	13	1	0-0	
	Scilly (St. Mary's)	163	985.7	-2	SSW	4	bc	48	92	8	2	-	-	2-3	2-3	2500	985.9	+2	SSW	3	b	49	85	8	2	-	-	1	1	2500	1	2	53	48	*	11	1	0-7	
	Guernsey	175	988.8	-10	SE	3	c/r	51	97	7	8	-	-	9+	9+	1500	990.6	+10	S	2	bc	50	92	7	-	-	6	2-3	-	1	4	52	50	43	5	16	1-4		
6	Pembroke	142	984.5	0	SSW	4	bc	51	75	8	2	-	-	4-6	4-6	2500	985.0	+2	SSW	4	bc	51	75	8	2	1	-	4-6	4-6	2500	1	2	52	47	*	23	1	0-0	
7	Holyhead	28	983.3	+6	SSW	3	bc	48	85	8	2	-	-	6	4-6	4-6	1500	984.7	+10	SSE	3	bc	46	92	8	3	7	-	7-8	10	1500	1	2	50	45	42	9	3	0-0
	Chester (Sealand)	18	*	*	*	*	*	*	*	*	*	*	*	987.0	+10	ES	2	bc	42	92	5	5	3	-	-	1	2-3	2500	1	*	47	41	33	5	0-2	0-4			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	987.0	+12	S	2	bc	42	97	5	-	-	-	-	6	2-3	-	1	4	41	30	6	1	0-3				
10	Spurn Head	29	987.3	0	S	6	c/r	47	97	7	8	-	-	10	10	800	988.3	0	SSE	5	c/r	47	92	7	5	-	-	10	10	1500	2	4	46	45	*	Tr	9	4-0	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	987.5	+12	-	0	F	40	97	1	-	-	-	-	-	10	10	<150	1	*	43	39	39	8	4	0-0		
	Tynemouth	108	984.7	+4	S	4	c	47	85	6	9	-	-	10	10	1500	987.2	+8	SSW	2	c/r	45	92	3	5	-	-	10	10	1500	1	2	45	44	40	4	3	0-8	
11	St. Abbs Head	290	983.4	+4	SE	2	c	45	85	6	8	6	-	4-6	3	2500	986.2	+12	SSW	2	c	41	85	8	8	6	-	4-6	3+	2500	0	3	42	39	*	1	12	*	
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	986.3	+20	-	0	fg	33	97	5	-	-	-	-	7	-	6	2-3	-	1	44	32	24	1	12	3-1		
12	RAF (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	985.5	+14	E/N	1	w	37	97	8	-	-	-	-	5	-	6	7-8	-	1	41	35	29	3	2	0-0		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	986.2	+10	-	0	pr	37	97	7	5	-	-	-	9+	9+	1500	1	*	40	36	32	8	4	2-0			
	Point of Ayre	30	983.2	+16	SSW	3	bc	40	97	8	2	-	-	6	1	2-3	4000	984.8	+6	SSW	4	c	47	92	7	8	2	-	4-6	3+	1500	1	2	47	37	*	13	1	0-0
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	981.3	+12	SSE	4	bc	44	92	7	8	-	-	4-6	4-6	1500	0	*	44	42	40	6	2	0-0				
13b	Stornoway	80	986.2	-16	ESE	4	c	45	75	7	5	2	-	4-6	16	1500	980.4	+4	SSE	6	pr	47	85	8	8	-	-	9	3	1500	1	3	44	43	*	0-2	0-4	1-2	
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	985.6	+20	S	3	c	38	85	7	4	6	-	-	4-6	7-8	2500	0	*	36	34	31	-	2	0-0			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	986.1	+22	-	0	bc	41	92	6	5	-	-	3	Tr	2-3	4000	1	1	45	40	31	-	11	1-3			
	Wick	81	981.2	-24	SE	6	ir	47	97	7	5	2	-	7-8	10	1500	983.3	+16	SSW	3	bc	45	85	7	5	7	1	2-3	4-6	1500	1	2	44	43	*	-	2	0-2	
16	Lerwick	156	982.0	-16	S	6	c/pr	46	85	7	8	7	-	4-6	7-8	1500	984.2																						

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 11th December, 1938.

No. 28143.

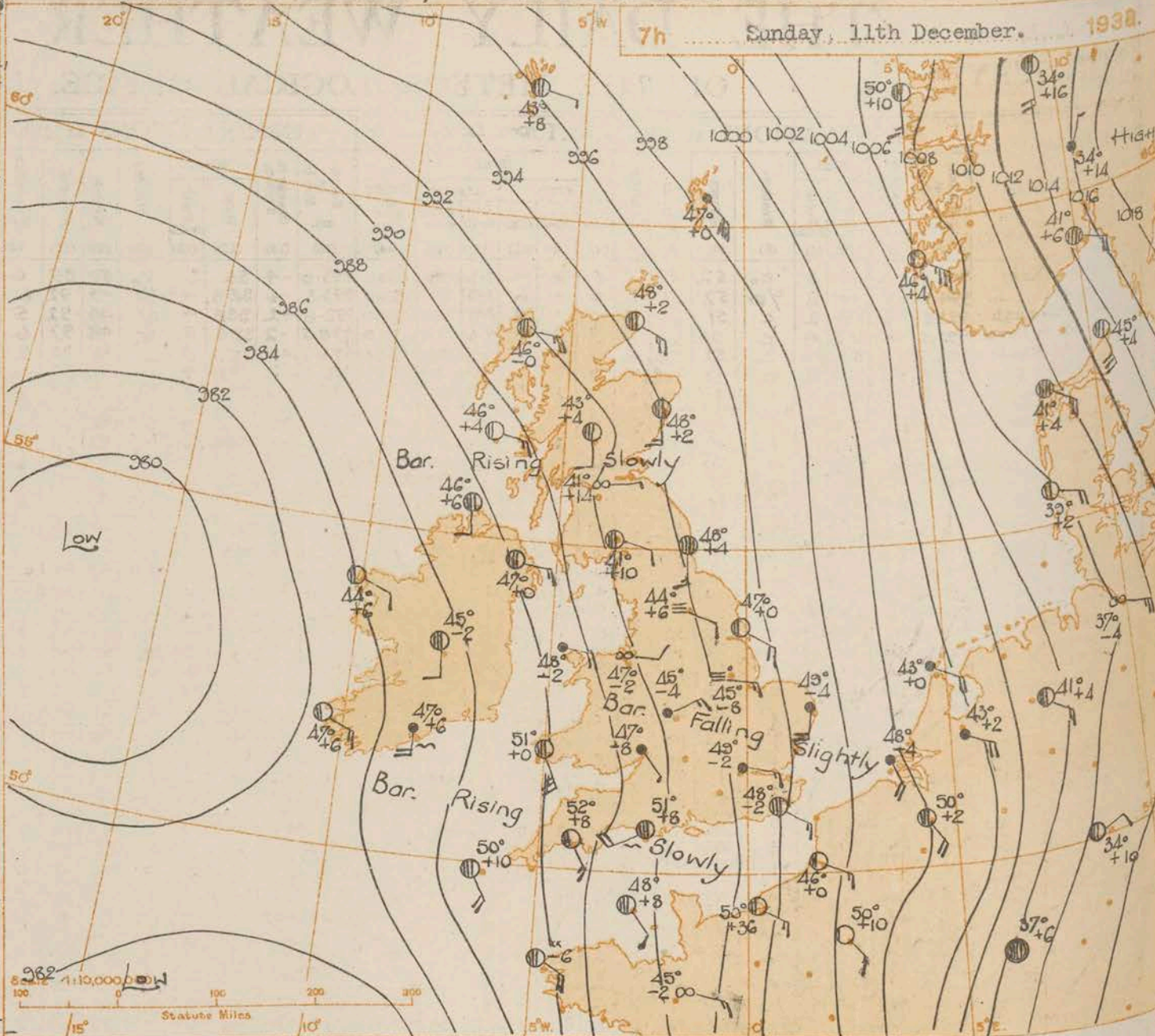
DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 10th. December.														OBSERVATIONS at 18h. G.M.T. 10th. December.														PAST 24 HOURS.																					
		Barom. at m.b.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	%Humid.	Visiblity 0-9	Cloud.					Barom. at m.b.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	%Humid.	Visiblity 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.																					
				Dir.	Force					Form.	Amount.	Height of Base (feet)	Form.	Amount.			Height of Base (feet)	Form.					Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)			7h-13h. 10th.	13h-18h. 10th.	18h. 10th to 1h. 11th.	1h-7h. 11th.																		
																																		Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High
(For heights see p. 4.)		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)										
1	London (Kew)	993.5	-4	SSE	3	z	52	85	6	5	2	-	7-8	9+	1500	993.0	-4	SE	3	z	50	85	6	5	-	-	10	10	1500	1	*	bccmo	cd,cmo	cm,pr,be	bccr																
	Croydon	994.4	0	SE	2	c/pr	52	85	6	6	-	6	7-8	9+	1500	993.3	-6	SE	4	o/r	49	92	6	5	-	-	10	10	800	1	*	beid,pr	cd,pr,m	cm,pr,be	ccr,do																
	S. Farnborough	992.8	-6	SSE	2	c	51	85	6	5	-	8	7-8	9+	1500	992.6	+2	SSE	4	dr	49	92	5	5	-	-	10	10	450	1	*	c	cd,pr,be	cd,cmo	ccr,mo																
	Boscombe Down	991.5	-10	SE	4	c	50	92	7	9	7	-	4-6	9+	1500	990.5	-2	SSE	5	ir	48	97	6	6	2	-	9+	10	800	1	*	bcm,pr,be	cd,pr,m	cd,cmo	bccrrc																
	Calshot (Stmnt.)	993.2	-2	SE	4	z	52	92	6	5	7	8	4-6	9+	1500	992.7	+2	SE	5	c	51	92	8	5	7	-	4-6	7-8	1500	1	3	bccpr,c	cd,pr,m	bccpr,be	bccrr,pr																
	Lymington	996.9	+2	SSE	4	o	48	85	7	5	-	-	10	10	1500	996.1	-2	SSE	4	ir	48	92	6	6	2	-	9	10	800	1	3	co	cd,pr,m	cd,cmo	cd,pr,be																
	Manston	995.9	+2	SE	3	c	47	85	6	5	7	-	7-8	10	1500	995.7	-2	SSE	4	o/r	49	92	6	5	-	-	10	10	1500	1	*	cd,pr,be	cd,cmo	cd,pr,be	bccrr,mo																
2	Shoeburyness	995.7	+6	SE	4	c	49	85	7	5	-	-	10	10	1500	995.6	0	SE	4	o/r	48	92	7	5	-	-	10	10	1500	1	*	c	cd,pr,be	cd,cmo	cd,pr,be																
	Felixstowe	995.8	+2	SE	3	c	48	92	7	5	2	-	4-6	10	4000	995.9	-2	SSE	3	ir	47	97	7	5	-	-	10	10	1500	1	3	cd,pr,be	cd,cmo	cd,pr,be	cd,pr,be																
	Gorleston	996.0	+8	SSW	5	o	50	85	6	6	-	-	10	10	2500	996.3	-2	SE	5	pr	48	85	6	6	-	-	10	10	1500	1	4	cd,pr,be	cd,cmo	cd,pr,be	cd,pr,be																
	Mildenhall	993.9	-2	SE	3	z	51	85	6	5	-	8	1	9+	2500	994.1	0	SE	3	ir	47	97	6	6	-	-	10	10	1500	1	*	cd,pr,be	cd,cmo	cd,pr,be	cd,pr,be																
	Cranwell	992.7	+6	SE	3	z	50	85	6	7	4	1	1	2-3	1500	993.1	+2	SE	4	z	47	97	5	5	-	-	10	10	800	1	*	cd,pr,be	cd,cmo	cd,pr,be	cd,pr,be																
3	Birmingham	991.4	+10	SSE	2	bc	49	85	6	5	1	-	2-3	4-6	1500	991.1	-6	SE	3	ro,fo	48	92	5	6	-	-	10	10	800	1	*	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
	Upper Heyford	992.7	+4	SSE	2	z	50	92	6	5	3	1	9	9+	800	991.8	-8	SE	2	ir	48	97	6	5	-	-	10	10	800	1	*	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
4	Ross-on-Wye	990.6	-6	SE	1	c	50	85	6	6	2	8	2-3	9	2500	989.1	-6	SE	3	ro,fo	49	92	6	6	-	-	10	10	800	1	*	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
5	Harland Point	986.9	-10	SSE	3	c/pr	49	92	8	9	5	-	4-6	7-8	1500	986.9	+2	S	4	bc	46	97	8	8	-	-	4-6	4-6	2500	1	3	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
	Bristol	990.5	-2	SE	3	c	50	92	7	8	2	-	4-6	9+	2500	989.3	-4	SE	4	ir	49	92	6	6	2	-	7-8	9+	1500	1	*	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
	Portland Bill	990.1	-10	SSE	5	o	52	92	7	5	-	-	10	10	1500	990.3	-18	SW	4	c	51	92	8	5	-	-	7-8	7-8	2500	1	4	cpr	cd,pr,be	cd,cmo	cd,pr,be																
	Plymouth	987.9	-14	SSE	3	c	52	92	7	9	7	-	4-6	10	2500	988.2	+8	S	3	bc	51	85	8	8	-	-	4-6	4-6	1500	1	3	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
	The Lizard	986.9	-4	SSE	4	c	50	92	8	8	6	-	7-8	7-8	2500	986.5	+8	S	5	bc	51	85	8	8	-	-	4-6	4-6	2500	1	3	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
	Scilly (St. Mary's)	984.9	-10	S	4	bc	53	85	8	2	4	4	2-3	4-6	2500	985.2	+12	SSW	4	bc	50	92	8	8	4	4	4-6	4-6	1500	1	3	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
	Guernsey	990.2	-4	SSE	4	rr	50	97	5	5	-	-	10	10	800	990.6	+16	SSE	3	bc	51	85	8	2	3	-	2-3	4-6	1500	1	5	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
6	Pembroke	986.7	+8	SE	5	bcq	52	85	7	2	7	1	2-3	4-6	2500	985.8	0	SSE	5	cq	50	75	7	2	7	-	2-3	7-8	1500	1	3	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
7	Holyhead	987.4	+6	SSE	4	b	50	85	8	3	4	-	1	1	4000	987.2	-2	ESSE	4	c	48	85	8	8	6	4-6	9+	2500	1	2	cd,pr,be	cd,cmo	cd,pr,be	cd,pr,be																	
8	Chester (Sealand)	990.0	+6	SSE	3	z	48	85	6	5	3	-	1	2-3	2500	990.2	+2	E	2	ir	48	92	5	6	2	-	9	10	1500	1	*	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
	Manchester	990.5	+6	SSE	3	z	49	85	5	1	4	-	1	1	2500	990.9	+4	E	3	rr	48	92	4	-	2	-	10	10	2500	1	*	bccpr,c	bccrr,mo	cd,pr,be	cd,pr,be																
10	Spurn Head	993.0	+8	S	3	c	50	85	7	5	4	-	4-6	7-8	2500	994.1	+2	SE	4	c	47	92	7	5	-	-	10	10	2500	1	3	c	cd,pr,be	cd,cmo	cd,pr,be																
	Catterick	991.0	+1.4	SE	1	m/f	46	92	4	5	-	-	2-3	2-3	1500	993.2	+1.4	S	1	m	42	97	4	5	-	-	7-8	7-8	800	1	*	Fire bc	bccrr,mo	cd,pr,be	cd,pr,be																
	Tynemouth	990.4	+1.2	SW	2	bc	46	97	3	5	-	-	4-6	4-6	1500	992.4	+1.2	S	3	m	45	92	4	5	-	-	4-6	4-6	800	1	2	off	bccrr,mo	cd,pr,be	cd,pr,be																
11	St. Abbs Head	989.8	+20	S	2	bc	44	85	8	4	4	1	2-3	4-6	2500	993.1	+1.2	SSW	2	b	43	85	7	4	-	-	1	1	4000	0	2	c	cd,pr,be	cd,cmo	cd,pr,be																
	Leuchars	989.2	+1.2	-	0	ir	37	92	6	5	7	-	9	9+	2500	991.2	+2.2	-	0	z	40	92	6	5	-	-	4-6	4-6	4000	1	*	cd,pr,be	cd,cmo	cd,pr,be	cd,pr,be																
12	Renfrew (Abbots L.)	988.7	+10	NE	1	m	45	85	4	5	3	-	7-8	9+	5700	990.9	+1.4	E	2	z	44	92	2	5	-	-	7-8	7-8	4000	1	*	cd,pr,be	cd,cmo	cd,pr,be	cd,pr,be																
	Bekdaismuir	989.1	+1.2	SSE	3	ir	43	97	6	5	-	-	9+	9+	450	992.1	+1.8	-	0	b	39	92	7	5	-	-	1	1	1500	1	*	cd,pr,be	cd,cmo	cd,pr,be	cd,pr,be																
	Point of Ayr	987.9	+8	SW	3	bc	51	85	8	8	-	-	2-3	2-3	1500	988.8	+6	SSE	5	bc	48	92	7	5	-	-	2-3	2-3	800	1	3	rr,cb	bccrr,mo	cd,pr,be	cd,pr,be																
13a	Tiree	985.0	+1.2	SSE	4	bc	46	92	8	2	-	-	4-6	4-6	2500</																																				

REPORTS from HEALTH RESORTS for 10th December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm)		SUNSHINE.
		Fore-noon.	After-noon.	Min. 9h. to 9h. 10h.	Max. 9h. to 10h.	Night. 17h. to 18h.	Day. 9h. to 10h.	
1	Tunbridge W.	or	or	35	51	16	4	0.0
	Bournemouth	oco	orro	45	52	14	3	0.5
	Ventnor	oru	oru	48	53	10	1	0.0
	Southsea	coe	ocpc	46	52	13	1	0.0
	Bognor Regis	oc	orro	48	52	10	2	0.0
	Littlehampton	bcc	crc	48	52	8	2	0.0
	Worthing	c	orc	47	51	7	2	0.0
	Brighton	cide	cide	37	52	8	0.5	0.0
	Eastbourne	o	orr	49	52	10	8	0.0
	Hastings	oco	orro	47	51	9	3	0.0
	Folkestone	o	or	38	50	13	2	0.0
	Dover	o	oro	45	50	10	1	0.0
	Deal	o	orr	41	49	10	1	0.0
	Ramsgate	c	cor	44	50	5	1	0.0
	Margate	c	cr	44	48	6	2	0.0
2	Southend	o	oro	40	50	7	2	0.0
	Clacton-on-Sea	oc	cor	36	48	4	1	0.0
	Dovercourt	bcc	doc	38	49	5	0.5	0.0
	Lowestoft	c	cp/c	35	49	9	Trace	0.0
	Skegness	oc	c	44	48	7	-	1.2
	Mablethorpe	bc	bcc	44	51	9	-	2.6
	Cleethorpe	cbc	bccr	35	51	10	Trace	2.6
3	Leamington S.	bpc	co	36	52	8	-	3.0
4	Cheltenham	bbee	coor	39	51	10	2	2.2
5	Bath	bbee	crr	40	52	7	8	1.0
	Weymouth	c	rre	49	54	7	5	0.4
	Jersey	re	rcbc	48	52	8	3	0.3
	Torquay	bcco	orpc	41	52	3	6	0.0
	Falmouth	bccr	o	44	51	3	0.6	0.0
	Penzance	bcpbc	cbcc	44	53	2	Trace	1.2
	St. Ives							
	Bude	bcar	orbc	41	51	0.4	9	1.1
	Ilfracombe	rebc	bccr	45	51	1	6	1.7
6	Aberystwyth	prebc	bcc	45	52	3	-	4.4
7	Llandudno	bcc	bcc	41	54	0.1	-	4.2
	Colwyn Bay	bcb	bcc	41	54	-	-	4.2
	Rhyl	cbcb	bbee	38	52	0.1	-	5.0
8	Wallassey	mbe	bcm	37	48	0.3	-	3.3
	Southport	bcc	cbcm	34	49	0.5	-	5.4
	Blackpool	efbm	bmc	35	48	1	0.3	4.6
	Morecambe							
9	Ilkley	ombe	c	34	49	5	-	2.3
	Harrogate	efbcb	bcm	35	46	6	-	2.0
10	Berwick-on-T.	bc	bcb	36	46	5	-	4.1
11	Dunbar	bcr	bcm	37	49	7	0.3	5.2
12	Troon	rroc	coc	38	49	1	0.5	2.6
	Douglas	cir	bep/c	42	50	3	Trace	3.0

Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th December, 1938.

1 S.E. England	Wind east to southeast becoming fresh or strong, gale on coast
2 E. England	veering south to southwest tonight; a period of continuous rain
3 E. Midlands	spreading north today, showers and bright periods tomorrow; rather mild.
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Wind east to southeast moderate to fresh, freshening tonight with
12 S.W. Scotland & Isle of Man.	gale on east coast; mainly cloudy; occasional rain, local bright periods;
13 { A.W.Scotld. B.N.W.Scotland.	a period of continuous rain spreading north during night; rather mild.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	Winds variable but mainly between southeast and southwest moderate,
18 N.E. Ireland	probably becoming strong later on coast; cloudy and bright periods;
19 S.E. Ireland	occasional showers; rather mild.
20 S.W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2

BAROMETER. Isolars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression west of Ireland is almost stationary and another off Northwest Spain is likely to move north-northeast. A period of rain followed by showers and bright periods will move northwards over Great Britain. It will continue rather mild generally.

FURTHER OUTLOOK.

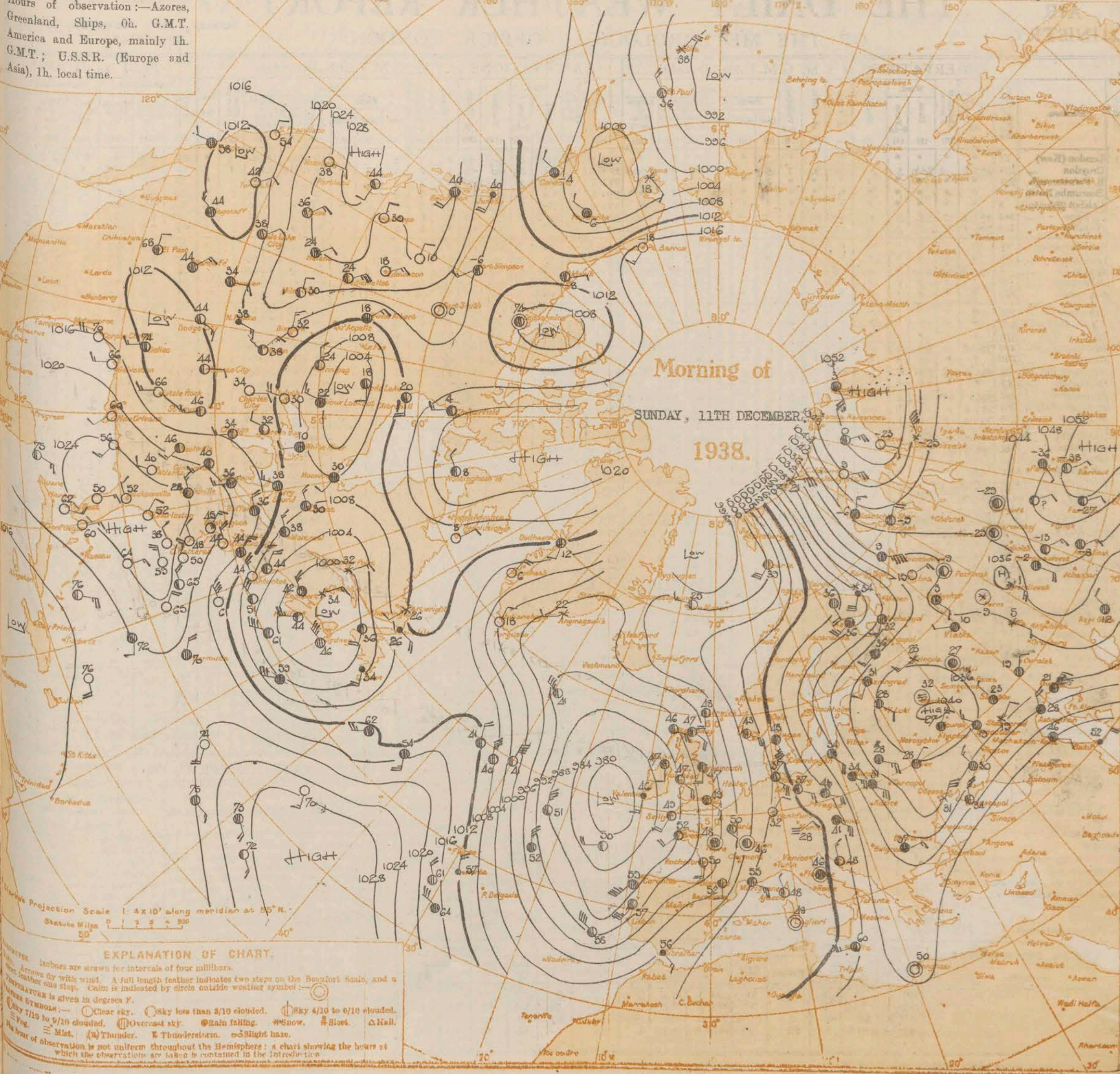
Showers and bright intervals.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.,
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



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A.R.C.S.
Director.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Sunday, 11th December, 1938.
No. 28143.

OBSERVATIONS at 1 hr. G.M.T. 11th December.....														OBSERVATIONS at 7 hr. G.M.T. 11th December.....														PAST 24 HOURS.										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (6)	Temp. °F. (7)	Humid. % (8)	Visibility. 0-9 (9)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sun-shine Hrs. (36)				
					Direc. (3)	Force (4)					Form. (10)	Amount. (11)	Height of Base. (feet) (14)	Direc. (17)			Force (18)	Form. (23)					Amount (24)	Height of Base (feet) (27)	Max. Day 7h-16h °F. (31)	Min. Night 16h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-16h min. (34)	Night 16h-7h min. (35)							
																																Low (9)	Med. (10)		High (11)	Low (23)	Med. (24)	High (25)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	993.5	-6	SE	3	ir	49	92	7	5	-	10	10	1500	1	*	52	48	43	0.1	0.3	0.1				
	Croydon	217	995.3	-4	SE	3	c	49	92	7	5	-	9+	9+	4000	994.0	-2	SE	3	dd	49	92	7	5	2	9+	10	800	1	*	52	47	44	1	1	0.0		
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	992.7	-2	SE	2	c/r	49	92	7	5	2	9+	10	1500	1	*	51	47	42	0.5	2	0.0				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	991.8	0	SE	3	c	47	97	7	5	-	10	10	1500	1	*	51	45	43	2	4	1.2				
	Calshot (St. Mary's)	8	*	*	*	*	*	*	*	*	*	*	*	992.7	+2	SSE	4	ir	51	85	8	5	3	7-8	9+	1500	1	3	52	49	48	1	3	0.0				
	Lymington	346	997.2	-2	SE	3	c	49	92	7	5	-	9+	9+	1500	996.3	-2	SE	4	c/r	48	97	8	5	3	7-8	9+	1500	1	3	48	47	45	4	3	0.0		
	Manston	154	996.7	-2	SE	3	c	49	92	6	5	2	-	4-6	9+	2500	995.8	-2	SE	3	c/r	49	92	6	5	-	9+	9+	4000	1	*	49	48	43	2	2	0.0	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	995.4	-6	S	2	c/r	48	97	7	5	7	9+	1500	1	*	51	47	42	2	3	0.0					
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	995.9	-4	S	2	c	49	92	6	5	1	9+	10	1500	1	2	49	47	44	1	0.5	0.0				
	Gorleston	5	997.4	+6	S	3	c	48	92	6	5	-	9+	9+	2500	997.1	-4	S	4	ir	49	92	7	6	-	10	10	2500	1	3	50	47	45	1	2	0.0		
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	994.5	-10	SE	4	bc	47	97	7	5	1	2-3	4-6	2500	1	*	52	44	42	1	0.2	0.0				
	Oranwell	240	*	*	*	*	*	*	*	*	*	*	*	994.4	-8	SE	3	m	45	97	4	5	-	10	10	800	1	*	51	42	40	0.4	-	3.8				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	992.1	-4	E	3	rr	45	97	5	6	-	10	10	800	1	*	50	45	40	1	1	2.2				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	992.8	-4	E	1	ir	47	97	6	5	-	10	10	450	1	*	51	43	40	0.5	2	3.0				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	990.9	-8	SSE	1	rr	47	97	5	6	-	10	10	1500	1	*	50	45	39	10	4	2.0				
5	Hartland Point	299	987.8	0	ESE	4	r	47	97	7	6	2	-	9+	10	1500	988.3	+8	SE	4	bc	47	92	8	8	6	2-3	4-6	1500	1	3	50	46	44	8	0.4	1.4	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	990.8	-4	S	3	id	48	97	7	6	-	9	9	1500	1	*	51	46	40	4	1	1.4				
	Portland Bill	32	991.3	-8	SSE	4	c	52	92	8	5	2	-	7-8	10	2500	991.6	+8	SW	4	e	51	92	8	5	-	7-8	7-8	2500	1	4	(52)	48	*	6	3	0.0	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	989.0	+8	SSE	3	bc	52	85	8	8	-	4-6	4-6	2500	1	3	52	48	46	5	8	0.0				
	The Lizard	240	986.1	-4	SSE	5	rr	49	97	6	5	-	10	10	1500	986.9	+6	S	4	bc	50	92	8	8	6	4-6	4-6	2500	1	3	51	47	*	0.5	5	1.3		
	Scilly (St. Mary's)	163	985.3	0	S	4	bc	49	85	8	2	-	6	2-3	4-6	2500	986.4	+10	SSE	4	c	50	85	8	2	4	6	2-3	7-8	2500	1	3	53	45	*	0.1	6	4.2
	Guernsey	175	990.2	-8	SE	3	rr	50	92	5	5	-	10	10	1500	991.0	+8	SSE	2	c	48	92	8	5	3	7-8	9	2500	1	3	52	47	40	9	3	0.2		
6	Pembroke	142	987.4	+2	SE	5	rr	51	92	7	8	2	-	4-6	9+	1500	987.4	0	SSE	5	cq	51	92	7	8	-	7-8	7-8	1500	1	3	52	47	*	Tr	5	2.3	
7	Holyhead	26	988.5	+6	SE	4	bc	47	92	8	2	-	8	1	2-3	2500	988.4	-2	ESE	4	ir	48	85	8	5	2	2-3	10	2500	1	2	51	46	41	0.4	2	6.1	
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	991.8	-2	ESE	2	zo	47	85	6	5	-	10	10	2500	1	*	49	45	37	0.4	4	5.4				
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	992.1	-4	E	4	c	47	85	9	5	7	4-6	10	2500	1	*	49	45	39	0.3	0.6	4.1				
10	Spurn Head	29	994.5	+4	SSE	4	c	46	97	6	-	7	-	0	9+	-	995.0	0	SE	4	bc	47	92	7	-	4	8	0	4-6	-	1	3	50	45	*	Tr	1	2.6
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	994.6	+6	SE	2	f	44	97	3	-	-	10	10	1500	1	*	46	42	41	0.1	0.6	0.2				
	Tynemouth	108	992.8	-4	SSE	4	c/r	47	97	7	2	-	7-8	7-8	1500	994.5	+4	S	3	o	48	85	7	5	-	10	10	1500	1	2	47	45	38	-	2	0.0		
11	St. Abbs Head	280	992.2	-16	SE	5	c/r	47	97	6	3	2	-	7-8	10	1500	994.1	+16	S	3	bc	45	92	7	-	3	0	2-3	-	1	3	45	39	*	-	1	*	
	Leuchars	38	*	*	*	*	*	*	*	*	*	*	*	993.3	+8	SSE	2	bc	44	92	7	4	-	2	1	4-6	2500	1	*	40	34	29	Tr	1	1.3			
12	Renfrew (Abbott's L.)	19	*	*	*	*	*	*	*	*	*	*	*	992.0	+14	E	1	zo	41	92	6	5	3	4-6	4-6	2500	1	*	46	39	30	1	3	1.0				
	Esksdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	993.2	+10	SE	2	c	41	92	7	5	-	10	10	800	1	*	44	38	33	0.6	2	0.0				
	Point of Ayre	30	989.0	0	W	1	c/r	46	97	6	5	-	9+	9+	1500	990.2	+2	SE	5	c	48	92	7	5	4	6	2-3	7-8	1500	1	3	51	44	*	2	6	2.5	
13	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	989.2	+4	ESE	3	bc	46	92	8	8	-	4-6	4-6	2500	0	*	47	45	42	-	-	3.9				
13	Stormoway	80	991.8	+10	E	4	c	46	75	8	5	-	7-8	7-8	4000	992.0	0	ESE	5	c/pr	46	85	8	5	7	9+	1500	1	3	48	40	*	1	Tr	0.0			
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	991.9	+4	S	2	c	43	92	6	8	-	10	10	1500	1	*	41	37	31	-	5	0.0				
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	994.1	+2	S	3	c	48	92	6	6	2	-	9+	10	800	1	2	45	35	26	-	3	0.3			
	Wick	81	994.3	+6	SE	4	c	47	97	6	5	1	8	4-6	7-8	800	994.3	+2	SE	5	c	48	97	7	5	2	7-8	10	800	1	2	47	44	*	-	1	0.0	
16	Lerwick	156	997.9	+16	SSE	4	c	48	85	8	5	7	-	4-6	7-8	1500	998.4	0	SSE	4	rr	47	92	6	6	2	4-6	10	800	1	*	49	44	*	-	1	0.0	
17	Blackod Point	18	963.4	+1	SE	4	bc	46	85	8	4	-	2-3	2-3	5700	984.1	+6	SE	2	bc	44	92	8	-														

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 12th December, 1938.

No. 28144.

STATIONS.	OBSERVATIONS at 13h. G.M.T. 11th December														OBSERVATIONS at 18h. G.M.T. 11th December														PAST 24 HOURS.																			
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Height of Base (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Height of Base (feet)	State of Ground.	Sea.	WEATHER.																	
			Dir.	Force					Low	Med.	High	Low 0-10	Total 0-10				Dir.	Force					Low	Med.	High	Low 0-10	Total 0-10				Dir.	Force	Low	Med.	High	Low 0-10	Total 0-10	Dir.	Force	Low	Med.	High	Low 0-10	Total 0-10	7h.—18h. 11th.	18h.—18h. 11th.	18h.—11th 12th.	1h.—7h. 12th.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)															
(For heights see p. 4.)																																																
1 London (Kew) ...	995.8	+6	SE	2	Z	52	85	5	5	2	-	7-8	10	4000	994.3	-6	ESE	4	C	53	75	7	5	-	-	9+	9+	2500	1	*	cr,cm.	cm,c	c	cc,fo														
Croydon ...	995.9	+2	SE'S	3	C	53	85	6	-	7	2	0	9	-	995.2	-2	ESE	4	C	52	85	6	5	7	-	7-8	9+	2500	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
S. Farnborough ...	994.9	+2	ESE	2	C	50	85	6	5	3	-	9	9+	2500	993.5	-8	ESE	2	in	50	85	5	5	-	-	9+	9+	4000	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Boscombe Down ...	993.8	-2	SE'S	3	C	48	92	6	-	2	-	10	10	800	992.0	-2	ESE	4	in	49	92	6	-	-	-	10	10	1500	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Calshot (St. Mary's) ...	994.9	+2	ESE	4	ir	50	97	8	5	2	-	4-6	9+	2500	993.5	+2	ESE	5	in	52	92	8	5	7	-	4-6	10	2500	1	4	cc,cm.	cm,c	cc,fo	cc,fo														
Lymington ...	993.3	-2	ESE	3	C	50	85	8	5	4	2	1	7-8	1500	997.2	-4	E'S	4	Z	51	85	6	-	7	8	0	7-8	-	1	3	c	cc,cm.	cm,c	cc,fo														
Manston ...	997.8	+2	SSE	3	C	52	85	8	5	7	6	Tr	9	1500	996.2	-4	ESE	5	C	53	85	7	-	7	6	0	9	-	1	*	cm,c	c	cc,fo	cc,fo														
2 Shoeburyness ...	997.4	+2	SE	3	C	51	85	7	5	7	8	1	9+	2500	996.5	-8	SE'E	5	bc	51	85	7	-	-	8	0	2-3	-	1	*	c	cc,cm.	cm,c	cc,fo														
Felixstowe ...	997.9	+8	SE	2	C	50	85	7	5	7	6	2-3	9	4000	997.7	-4	ESE	2	bc	51	85	7	5	7	-	2-3	2-3	4000	1	2	cc,cm.	cm,c	cc,fo	cc,fo														
Gorleston ...	998.5	+6	SSW	4	C	52	85	6	5	-	-	9	9	2500	998.9	0	SE'S	4	b	49	92	6	-	-	0	0	-	-	1	3	cc,cm.	cm,c	cc,fo	cc,fo														
Mildenhall ...	996.6	+6	SE	4	C	52	85	7	5	3	-	4-6	9	4000	996.3	-6	ESE	4	C	50	85	7	5	2	-	1	10	4000	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Cranwell ...	995.5	+6	SSE	3	Z	49	97	6	6	-	-	9+	9+	800	996.0	0	ESE	3	Z	47	97	6	5	-	-	2-3	2-3	1500	1	*	rm,cm.	cm,c	cc,fo	cc,fo														
3 Birmingham ...	994.4	+10	SSE	2	C	48	85	6	5	-	-	10	10	800	993.5	-8	ESE	3	cr	47	92	5	6	-	-	10	10	800	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Upper Heyford ...	995.1	+2	SSE	2	C	49	92	7	8	1	5	7-8	9+	1500	994.1	-6	E	3	m	48	92	4	5	-	-	10	10	800	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Ross-on-Wye ...	993.4	0	E'S	3	C	48	92	7	6	1	-	7-8	10	1500	991.7	-14	E	2	cr	48	92	6	6	-	-	10	10	1500	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
4 Hartland Point ...	988.4	-12	E	4	C	49	92	8	5	2	-	2-3	10	1500	984.8	-8	ENE	5	rr	50	97	7	6	2	-	9+	10	800	1	3	cc,cm.	cm,c	cc,fo	cc,fo														
Bristol ...	993.0	-2	SE	2	C	49	92	7	6	2	-	4-6	9+	2500	991.1	-10	SE	5	rr	49	92	6	6	2	-	7-8	10	1500	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Portland Bill ...	991.5	-4	E	4	rr	51	92	7	5	-	-	10	10	800	988.9	-8	SE	5	rr	53	92	7	5	-	-	10	10	1500	2	4	cc,cm.	cm,c	cc,fo	cc,fo														
Plymouth ...	989.2	-14	ESE	4	rr	51	92	6	-	2	-	10	10	800	986.0	-4	SE	5	RR	52	97	6	-	2	-	10	10	800	1	2	cc,cm.	cm,c	cc,fo	cc,fo														
The Lizard ...	985.6	-36	ESE	6	rr	49	97	6	5	-	-	10	10	1500	982.6	-4	SE	5	rr	51	97	6	6	2	-	9	10	1500	1	4	cc,cm.	cm,c	cc,fo	cc,fo														
Scilly (St. Mary's) ...	984.6	-22	ESE	5	rr	50	97	6	6	2	-	4-6	10	1500	980.6	0	SSE	5	cr	53	97	7	8	2	-	4-6	9+	1500	1	3	cc,cm.	cm,c	cc,fo	cc,fo														
Guernsey ...	989.1	-24	ES	3	rr	51	85	7	5	-	-	10	10	2500	988.1	-4	SE	4	cr	54	85	6	5	-	-	10	10	2500	1	3	cc,cm.	cm,c	cc,fo	cc,fo														
6 Pembroke ...	989.1	0	SE	5	C	51	85	7	5	7	-	7-8	9+	2500	986.8	-20	E'S	7	rr	47	97	6	5	-	-	10	10	1500	1	3	cc,cm.	cm,c	cc,fo	cc,fo														
Holyhead ...	990.6	0	SSE	4	C	51	85	8	8	4	1	4-6	9+	2500	990.4	-2	SE'E	4	in	49	85	8	-	2	-	10	10	4000	1	2	cc,cm.	cm,c	cc,fo	cc,fo														
Chester/Sealand ...	992.8	+10	SE'E	2	Z	50	92	6	8	8	5	2-3	7-8	1500	993.2	-2	E	3	rr	48	92	5	-	2	-	10	10	4000	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Manchester ...	993.2	+8	SE'S	3	C	50	85	5	8	7	-	7-8	9+	2500	994.2	+4	E	3	ir	48	92	4	-	2	-	10	10	2500	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
10 Spurn Head ...	995.8	0	SE'S	4	C	47	97	6	5	-	-	9+	9+	2500	996.9	+6	SE'E	4	o	47	92	7	5	-	-	10	10	1500	1	3	cc,cm.	cm,c	cc,fo	cc,fo														
Catterick ...	994.5	-2	SES	3	id	47	97	5	6	-	-	10	10	450	996.0	-10	SE'S	2	Z	47	97	5	5	-	-	10	10	450	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Tynemouth ...	994.4	-4	SSE	4	cr	48	92	6	-	2	-	10	10	1500	995.6	+6	S	3	C	48	92	6	5	-	-	10	10	1500	1	2	cc,cm.	cm,c	cc,fo	cc,fo														
11 St. Abbs Head ...	994.6	-8	SSE	4	C	47	92	6	5	2	-	7-8	10	1500	994.7	+4	SSE	5	C	47	97	6	5	2	-	7-8	10	800	1	3	cc,cm.	cm,c	cc,fo	cc,fo														
Leuchars ...	994.4	-4	SE	3	Z	47	92	6	5	2	-	4-6	9+	1500	994.9	+6	SE	2	Z	48	92	6	5	7	-	4-6	9+	450	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Bentley (Abbotts I.) ...	993.4	0	ENE	2	rr	44	92	4	5	-	-	10	10	1500	993.9	+4	ESE	2	cr	45	92	3	5	-	-	9+	9+	4000	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Edinburgh ...	993.4	0	SES	3	rr	45	92	6	6	2	-	10	10	450	994.4	+10	SE	2	C	45	92	6	5	-	-	10	10	450	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Point of Ayre ...	991.7	+2	SE	4	C	48	97	6	6	6	-	7-8	9+	1500	991.5	-2	SE	6	C	49	92	6	5	2	-	7-8	10	1500	1	3	cc,cm.	cm,c	cc,fo	cc,fo														
13A Tiree ...	989.3	-2	ESE	4	rr	47	97	7	-	2	-	10	10	1500	990.4	+8	SE	5	C	48	92	7	5	-	-	9+	9+	1500	0	4	cc,cm.	cm,c	cc,fo	cc,fo														
13B Stornoway ...	992.5	0	SSE	4	C	49	85	7	5	1	-	4-6	10	2500	992.4	0	SE	5	cr	49	75	7	8	-	-	9	9	1500	1	3	cc,cm.	cm,c	cc,fo	cc,fo														
15 Dalwhinnie ...	994.4	-2	SE	4	C	42	92	6	5	-	-	10	10	1500	994.5	+4	S	1	C	43	92	6	4	6	-	4-6	10	1500	1	*	cc,cm.	cm,c	cc,fo	cc,fo														
Aberdeen ...	996.0	-2	SE	3	C	49	92	5	5	-	-	3	9	4000	996.3	0	SSE	3	cr	49	97	5	6	2	-	7-8	10																					

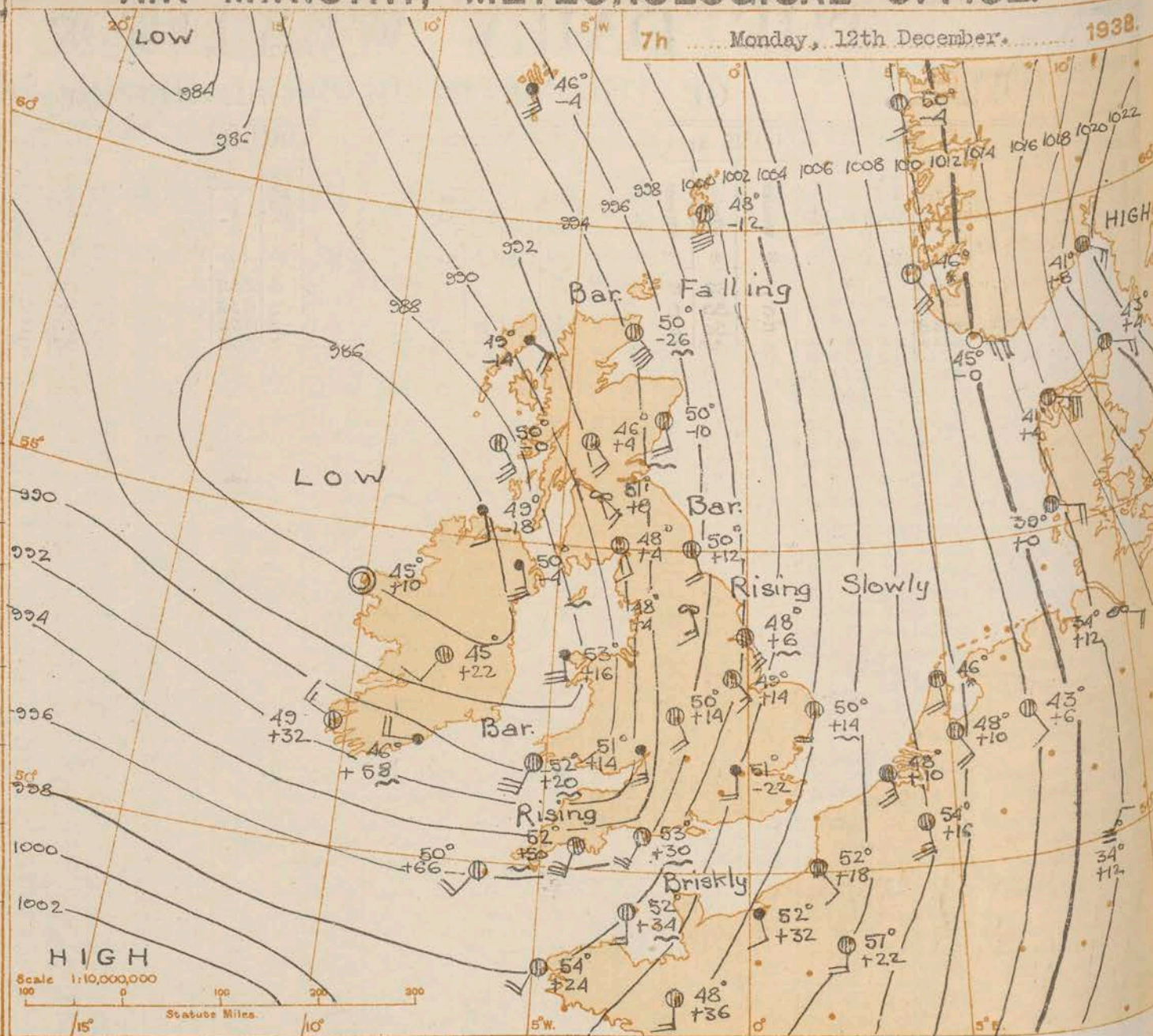
REPORTS from HEALTH RESORTS for 11th December 1938.

DISTRICT.	STATIONS.	WEATHER.		Temperature (°F)		Rainfall (mm)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. to 11h.	Max. 11h. to 17h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	coc	coc	47	52	4	-	0.3
	Bournemouth	o	rro	48	51	5	2	0.0
	Ventnor	orcu	oro	49	52	3	0.3	0.4
	Southsea	coc	odoc	49	52	3	Trace	0.0
	Bognor Regis	bcc	bro	49	52	2	Trace	0.7
	Littlehampton	bcc	c	49	52	2	-	0.5
	Worthing	c	c	49	53	3	-	0.1
	Brighton	bcobc	c	49	54	2	-	0.6
	Eastbourne†	c	co	50	53	2	-	0.4
	Hastings†	cvbcc	bcc	49	54	5	-	0.6
	Folkestone	oc	co	48	53	1	-	1.0
	Dover	c	bcc	48	54	2	-	0.7
2	Deal	c	bcoc	47	53	2	-	2.2
	Ramsgate	c	c	47	53	2	-	1.0
	Margate	cbc	cbc	47	53	2	-	0.3
	Southend	c	c	47	52	5	-	0.2
	Clacton-on-Sea	c	cbc	46	50	2	-	0.1
	Dovercourt	oc	bcc	47	50	3	-	0.4
	Lowestoft	bmbcc	bcobc	48	52	2	-	1.3
	Skegness	orobc	bco	45	49	0.5	Trace	0.6
	Mablethorpe	orbc	a	44	49	0.5	0.3	0.8
	Cleethorpe	cor	c	43	50	0.5	0.5	0.0
	Leamington S.	oc	od	45	52	1	Trace	0.4
	Cheltenham†	co	op	45	50	2	0.5	0.0
3	Bath	c	crr	45	50	5	1	0.0
	Weymouth	c	rir	47	53	2	5	0.0
	Jersey	cpj	cgr	48	55	5	1	0.1
	Torquay	bcco	orrq	41	53	4	9	0.0
	Falmouth	orrgr	orrgr	48	52	6	12	0.0
	Penzance	ccr	rqrr	49	53	4	3	0.0
	St. Ives	c	r	47	52	1	7	0.0
	Bude...	c	roc	46	*	1	2	0.0
	Ilfracombe	roc	corr	46	*	1	2	0.0
	Aberystwyth	prabc	copr	45	52	5	0.5	1.6
	Llandudno	cbcc	co	43	51	6	-	0.3
	Colwyn Bay	cbc	codo	40	51	3	Trace	0.7
4	Rhyl	rbcc	c	41	51	6	-	0.5
	Wallasey	rc	co	43	49	6	0.3	0.0
	Southport	orom	obco	42	50	5	0.2	0.0
	Blackpool	oirm	cmom	42	49	4	2	0.0
	Morecambe							
	Hikley	og	pro	38	48	2	1	0.0
	Harrogate	ofr	ofm	43	47	1	1	0.0
	Berwick-on-T.	ocm	orsco	39	48		0.2	0.0
	Dunbar	bcm	cr	41	45	Trace	0.5	0.3
	Troon	coc	ocbc	43	48	2	-	0.1
	Douglas	bcir	cirm	45	49	5	1	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

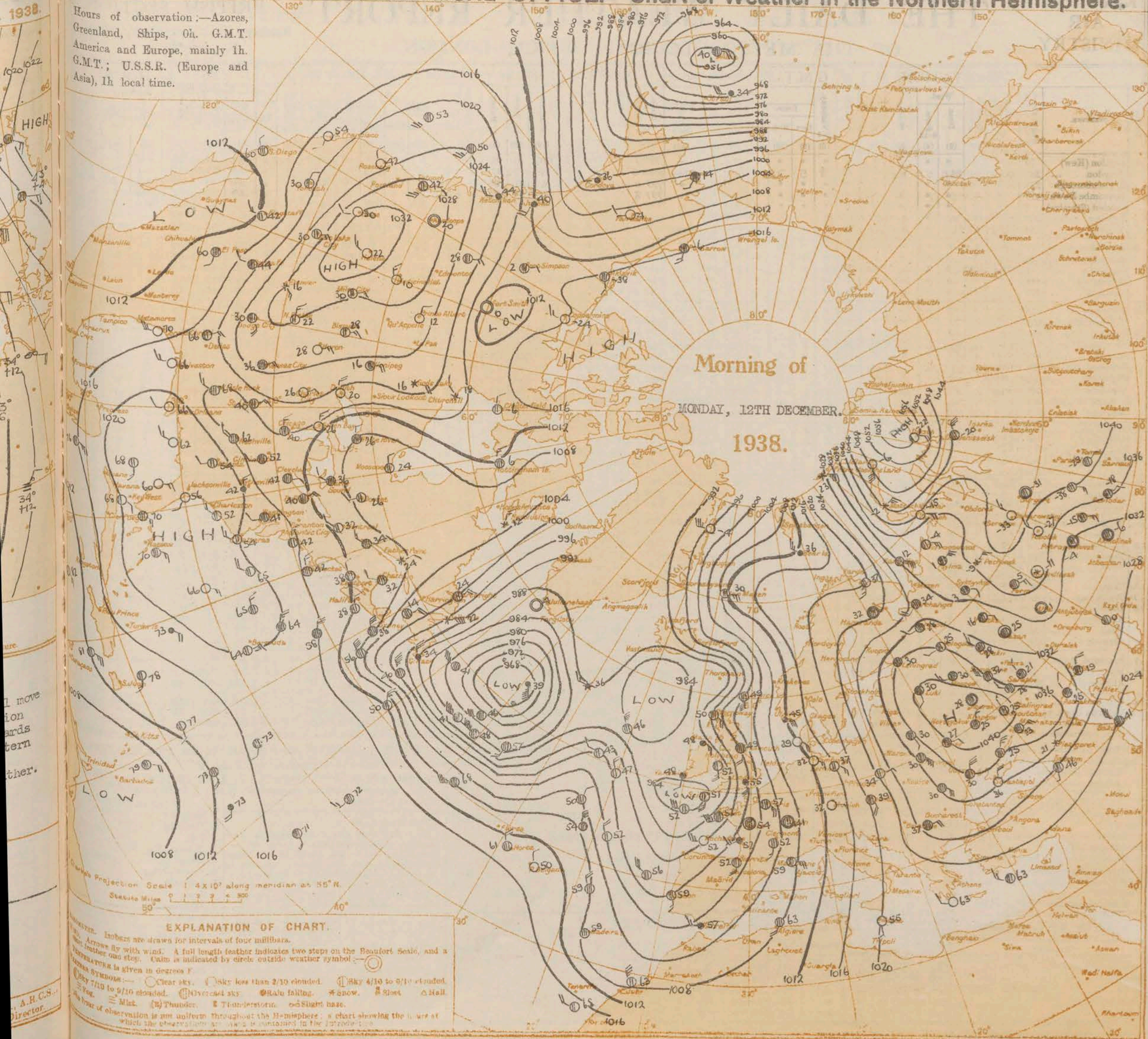
AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Monday, 12th December, 1938.



AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h local time.



EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
 Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
 Temperature is given in degrees F.
 Sky symbols: — Clear sky. — Sky less than 2/10 clouded. — Sky 4/10 to 9/10 clouded. — Sky 10/10 clouded. — Overcast sky. — Rain falling. — Snow. — Sleet. — Hail.
 Other symbols: — Mist. — Thunder. — Thunderstorm. — Light haze.
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hour at which the observations are made is contained in the introduction.

A.R.C.S.
 Director.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday, 12th December, 1938.
No. 28144.

OBSERVATIONS at 1 hr. G.M.T. 12th December.														OBSERVATIONS at 7 hr. G.M.T. 12th December.														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visiblity. (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visiblity. (22)	Cloud.				State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE (36)				
					Dirce. (3)	Force (4)					Form. (9)	Amount. (10)	Height of Base. (feet) (14)	Dirce. (17)			Force (18)	Form. (23)					Amount. (24)	Height of Base. (feet) (28)	Max. Day 7h-12h °F. (31)	Min. Night 12h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-12h mm. (34)	Night 12h-7h mm. (35)							
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	999.7	+2.6	S/E	3	6.0	51	92	7	-	2	-	10	10	1500	1	*	53	51	49	0.2	1	0.0			
	Croydon	217	996.0	+1.0	SSE	5	14	55	76	8	5	7	2.3	9	5700	1000.5	+3.0	S	4	14	51	92	7	6	2	-	2.3	10	1500	1	*	53	51	49	0.1	4	0.2	
	S. Farborough	228	*	*	*	*	*	*	*	*	*	*	*	999.0	+2.4	S/E	3	c	51	85	6	5	1	-	9	10	1500	1	*	50	50	48	0.2	4	0.0			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	997.8	+2.0	S/W	5	c	51	92	7	5	-	-	9	9	1500	1	*	49	49	47	0.4	4	0.0			
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	999.5	+2.0	S/E	5	c	52	92	8	5	2	-	2.3	10	1500	1	3	52	51	50	0.1	4	0.0			
	Lympe	346	998.9	+1.2	SSE	4	c	53	75	8	-	3	-	0	9	-	1002.0	+2.2	S	4	6.0	51	92	7	5	-	10	10	4000	1	3	52	50	48	-	1	0.9	
	Manston	154	998.9	+1.2	SSE	4	c	53	75	7	5	7	-	4.6	9	4000	1001.5	+1.8	S/E	4	6.0	52	85	7	5	1	-	7.8	9.4	4000	1	*	53	52	46	-	0.1	0.8
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1001.0	+2.2	SSW	4	6.0	52	85	7	6	2	-	9	10	1500	1	*	52	49	45	-	Tr	0.0			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1000.8	+1.8	S/E	4	14	51	85	7	5	-	-	10	10	1500	1	3	51	50	47	0.5	Tr	0.2			
	Gorleston	5	999.5	+1.0	S/E	5	bc	50	85	6	-	7	-	0	4.6	-	1001.2	+1.4	S/W	4	c	50	85	7	-	0	10	-	1	4	52	48	47	0.2	Tr	1.4		
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	999.3	+1.4	S/E	4	c/r	52	85	8	-	7	-	0	9	-	1	4	53	49	47	-	0.1	0.2			
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	997.4	+4.4	SE	3	c	49	92	7	5	1	-	7.8	10	4000	1	*	50	46	45	1	Tr	0.0			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	995.4	+1.4	SSE	4	c	50	85	7	5	3	-	4.6	7.8	1500	1	*	49	46	44	2	0.5	0.1			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	998.5	+2.0	S/E	3	c	50	85	7	5	1	-	9.4	10	800	1	*	49	47	45	0.6	1	0.0			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	994.6	+4.4	S/E	5	id.	51	75	7	5	1	-	9	9.4	1500	1	*	49	47	45	4	4	0.0			
5	Hartland Point	299	985.8	+1.0	SSE	6	c	51	85	8	8	-	-	7.8	7.8	2500	990.4	+3.4	WSW	7	c/pr	51	97	8	8	-	7.8	7.8	1500	1	4	50	49	47	5	3	0.7	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	996.9	+4.0	SSW	3	c	52	75	7	5	-	-	9	9	1500	1	4	49	49	45	2	4	0.0			
	Portland Bill	32	992.1	+1.8	SSE	5	c	53	92	7	5	2	-	7.8	10	2500	997.6	+3.0	SW	5	c	53	92	8	5	-	10	10	2500	1	4	54	50	*	6	1	0.0	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	995.7	+5.0	SSW	8	c	52	85	8	8	-	-	9.4	9.4	2500	1	5	53	51	49	15	5	0.0			
	The Lizard	240	983.8	0	SSE	8	c/pr	51	97	7	8	-	-	7.8	7.8	1500	995.9	+7.6	SW	5	bc	50	92	8	8	6	-	4.6	4.6	2500	1	4	52	49	*	13	2	0.0
	Scilly (St. Mary's)	163	982.5	+1.8	SSW	5	bc	51	85	8	2	6	-	2.3	4.6	2500	994.8	+6.6	SWW	4	bc	50	85	8	6	-	2.3	4.6	1500	1	3	53	49	*	6	1	0.0	
	Guernsey	175	992.7	+2.4	SSE	5	o	54	84	7	5			10	10	2500	999.2	+3.4	S	3	5	52	85	7	8	3	-	7.8	9	2500	1	4	54	52	46	3	1	0.0
6	Pembroke	142	984.2	+2	SE	6	c/pr	53	85	8	8	-	-	9.4	9.4	1500	988.8	+2.0	SWS	6	c/r	52	85	7	8	2	-	4.6	7.8	1500	1	4	51	45	*	4	7	0.0
7	Holyhead	26	986.5	-4	SSE	5	bc	52	85	8	5	4	-	4.6	4.6	2500	987.9	+1.6	S	6	14	53	85	8	8	3	-	9.4	10	1500	1	3	51	47	46	1	4	0.4
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	991.6	+4	ESE	4	c	53	75	7	8	-	-	9	9	2500	1	*	50	47	45	3	1	0.0			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	993.6	+1.0	ESE	3	c	52	85	7	5	-	-	7.8	7.8	2500	1	*	50	48	43	2	1	0.0			
10	Spurn Head	29	995.5	-8	SE	5	oq	49	85	7	5	-	-	10	10	2500	997.1	+6	SE	5	cq	48	92	7	5	9	-	7.8	9.4	2500	0	4	47	46	*	0.3	-	0.0
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	995.2	+4	SSE	3	zo	48	92	5	6	-	-	10	10	1500	1	*	48	45	43	1	1	0.0			
	Tynemouth	108	994.8	-1.8	SSE	4	o	49	92	7	5	-	-	10	10	1500	994.9	+1.2	SSE	4	c	50	85	6	5	-	9.4	9.4	1500	1	2	49	47	43	0.6	0.4	0.0	
11	St Abbs Head	280	993.6	-2.4	SSE	5	rr	47	97	7	3	2	-	7.8	10	1500	992.8	+1.6	S	6	cq	49	85	7	5	2	-	4.6	7.8	1500	0	4	47	42	*	0.1	1	0.0
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	993.5	+1.2	E	2	cq	48	92	6	5	7	-	4.6	10	4000	1	*	48	46	41	1	2	0.0			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	991.6	+1.8	SE/E	3	zo	51	75	6	5	3	-	4.6	7.8	4000	1	*	45	44	40	3	3	0.0			
	Esksdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	992.7	+4	SSE	2	c	48	75	7	5	-	-	9.4	9.4	1500	1	*	46	44	43	2	4	0.0			
	Point of Ayre	30	987.2	-2.6	SE	6	6.0	50	92	6	5	2	-	4.6	9.4	800	988.5	+8	SE	5	c/pr	51	92	7	5	-	9.4	9.4	800	1	4	49	46	*	1	7	0.0	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	987.3	0	SE	5	bc	50	92	7	5	4	-	2.3	2.3	2500	1	*	48	46	45	2	7	0.0			
13B	Stornoway	80	993.2	0	ESE	4	c	50	85	7	5	-	-	7.8	7.8	2500	990.1	-1.4	ESE	4	rr	49	92	7	5	2	-	7.8	10	2500	1	3	49	47	*	2	4	0.0
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	992.9	+4	SE	4	c	46	92	5	4	2	-	4.6	10	800	1	*	43	42	40	1	12	0.0			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	995.0	-1.0	SSE	4	c	50	92	6	5	1	-	4.6	10	1500	1	1	49	48	46	0.4	4	0.0			
	Wick	81	996.8	+4	SE	5	c	49	97	7	5	2	-	7.8	10	800	992.8	-2.6	SE	8	c	50	97	6	5	2	-	9	10	800	1	4	49	48	*	-	1	0.0
16	Lerwick	156	1000.7	+4	SSE	8	c	49	92	7	8	2	-	7.8	10	800	999.5	-1.2	SE	8	c	48	85	7	8	2	-	7.8	10	800	1	*	51	46	*	2.9	0.3	0.0
17	Blacksod Point	18	986.6	-1.0	W	2	c	45	92	7	5	-	-	9.4	9.4	800	986.4	+1.0	-	0	5	45	97	7	5	-	10	10	450	1	3	50	43	*	3	1.3		
18	Malin Head	84	987.4	-2.4	SE/E	3	6.0	48	85	6	2	-	-	7.8	9	2500	980																					

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Tuesday, 13th December, 1938.
No. 28145.

Diurnal.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 12th December														OBSERVATIONS at 18h. G.M.T. 12th December														PAST 24 HOURS.																			
		Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					Barom. at M.S.L. mb.	Change in 8 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					State of Ground.	Sea.	WEATHER.																			
				Dir.	Force					Form.	Amount.	Height of Base (feet)	Dir.	Force			Form.	Amount.					Height of Base (feet)	Dir.	Force	Form.	Amount.			Height of Base (feet)	7h.—13h. 12h.	13h.—18h. 12h.	18h. 12h. to 1h. 13h.	1h.—7h. 13h.															
																																			Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total
																																			0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)														
(For heights see p. 4.)																																																	
1	London (Kew)	1005.8	+2.0	SSW	4	C	55	75	7	3	1	-	7-8	7-8	2500	1010.0	+2.0	SE'S	3	Z	50	92	5	4	-	-	9	9	2500	1	*	com.c	ebcm.	bcm.	bcm.														
	Croydon	1005.9	+1.3	SW	5	bc	54	85	7	2	-	-	4-6	4-6	2500	1010.0	+2.0	SE'S	3	Z	50	92	5	4	-	-	9	9	2500	1	*	com.c	ebcm.	bcm.	bcm.														
	S. Farnborough	1005.7	+2.6	SSW	4	bc	52	85	7	7	-	-	4-6	4-6	2500	1009.8	+2.0	-	0	Z	48	92	5	1	-	-	2-3	2-3	1500	1	*	com.p.c	ebcm.	bcm.	bcm.														
	Boscombe Down	1004.9	+2.2	SSW	4	C	52	85	8	2	4	6	4-6	7-8	2500	1009.2	+2.6	S	3	Z	49	97	6	5	-	-	7-8	7-8	800	1	*	com.p.c	ebcm.	bcm.	bcm.														
	Calshot (Stunt.)	1005.6	+2.0	SW	4	C	54	85	8	3	4	4	4-6	7-8	1500	1009.6	+2.2	SE	2	b	51	97	8	4	-	-	Tr	Tr	2500	1	2	com.p.c	ebcm.	bcm.	bcm.														
	Lymington	1008.2	+2.6	SSW	4	C	52	85	9	5	4	4	4-6	9	1300	1012.4	+2.0	SE	2	b	48	97	7	5	-	-	Tr	Tr	2500	1	2	com.p.c	ebcm.	bcm.	bcm.														
	Manston	1007.8	+2.8	SSW	3	C	53	85	8	5	-	6	7-8	9	1500	1011.4	+2.0	SE	2	b	48	92	7	5	-	-	1	1	2500	1	*	com.p.c	ebcm.	bcm.	bcm.														
2	Shoeburyness	1006.6	+2.0	SSW	4	C	54	85	8	2	7	8	2-3	7-8	2500	1010.9	+2.2	SW	3	b	49	92	8	4	3	-	Tr	1	2500	1	*	com.p.c	ebcm.	bcm.	bcm.														
	Felixstowe	1006.9	+2.6	SE	3	bc	50	97	3	5	7	6	2-3	4-6	4000	1011.3	+1.2	SE	2	b	47	97	7	-	-	-	0	0	-	1	2	com.p.c	ebcm.	bcm.	bcm.														
	Gorleston	1005.9	+2.0	SW	4	bc	50	92	6	5	-	-	2-3	9	2500	1010.9	+3.0	SW	2	b	47	92	6	-	-	-	0	0	-	1	2	com.p.c	ebcm.	bcm.	bcm.														
	Mildenhall	1005.0	+2.4	S	3	C	55	85	6	5	3	6	4-6	7-8	2500	1009.8	+2.6	SE	3	Z	50	85	6	-	-	-	0	0	-	1	*	com.p.c	ebcm.	bcm.	bcm.														
	Cranwell	1002.6	+1.8	SW	4	C	52	85	8	7	7	1	4-6	7-8	2500	1008.4	+3.2	SW	2	b	43	97	7	5	-	-	Tr	Tr	2500	1	*	com.p.c	ebcm.	bcm.	bcm.														
3	Birmingham	1002.3	+3.4	SSW	4	bc	51	65	8	7	7	-	2-3	2-3	2500	1008.1	+2.6	SE	2	b	48	85	6	-	-	-	0	0	-	1	*	com.p.c	ebcm.	bcm.	bcm.														
	Upper Heyford	1004.6	+2.6	SSW	4	bc	54	75	8	7	4	1	1	4-6	1500	1010.4	+3.6	SE	2	Z	47	92	6	-	-	-	0	0	-	1	*	com.p.c	ebcm.	bcm.	bcm.														
	Ross-on-Wye	1002.9	+3.0	SW	3	bc	53	75	8	8	-	-	4-6	4-6	4000	1007.8	+2.6	S	1	b	43	85	7	-	-	-	0	0	-	1	*	com.p.c	ebcm.	bcm.	bcm.														
4	Harland Point	1001.7	+4.0	SW	5	bc	51	92	8	8	-	3	2-3	4-6	2500	1005.5	+2.2	S	4	qpr	49	92	8	8	-	-	7-8	7-8	2500	1	3	com.p.c	ebcm.	bcm.	bcm.														
	Bristol	1002.8	+3.0	SSW	4	bc	52	75	8	7	4	1	2-3	2-3	2500	1008.0	+3.0	SE	2	bc	49	85	7	5	7	-	-	2-3	4-6	2500	1	*	com.p.c	ebcm.	bcm.	bcm.													
	Portland Bill	1004.4	+2.0	SW	5	C	54	92	8	1	-	-	7-8	7-8	2500	1007.2	+2.4	SSW	4	C	52	92	7	5	-	-	7-8	7-8	2500	1	4	com.p.c	ebcm.	bcm.	bcm.														
	Plymouth	1002.4	+2.4	SSW	3	bc	53	85	8	2	4	1	2-3	2500	1006.6	+2.0	SE	3	bc	53	92	7	8	3	-	-	2-3	4-6	2500	1	2	com.p.c	ebcm.	bcm.	bcm.														
	The Lizard	1003.5	+2.8	SW	3	bc	53	92	8	8	6	-	4-6	4-6	2500	1005.4	+1.2	SE	3	bc	52	97	8	8	6	-	-	4-6	4-6	2500	1	3	com.p.c	ebcm.	bcm.	bcm.													
	Seilly (St. Mary's)	1001.4	+2.2	SSW	3	bc	54	85	8	8	4	3	1	2-3	1500	1004.2	+1.8	SSW	3	C	51	85	8	8	4	-	-	4-6	7-8	800	1	3	com.p.c	ebcm.	bcm.	bcm.													
	Guernsey	1008.3	+2.0	SE	2	bc	54	85	7	7	4	-	2-3	4-6	2500	1008.1	+2.0	SE	2	b	51	92	7	-	-	-	0	0	-	1	3	com.p.c	ebcm.	bcm.	bcm.														
5	Pembroke	1000.7	+3.2	SW	5	bc	53	85	8	2	4	1	2-3	4-6	2500	1004.8	+2.8	S	4	bc	52	92	8	8	2	-	-	2-3	4-6	2500	1	2	com.p.c	ebcm.	bcm.	bcm.													
	Holyhead	997.3	+5.8	SW	5	C	49	85	8	8	-	6	9	10	1500	1003.5	+3.4	SW	3	b	50	92	8	2	-	-	1	1	1500	1	2	com.p.c	ebcm.	bcm.	bcm.														
	Chester (Sealand)	999.5	+4.2	S	4	ir	50	85	7	6	7	-	7-8	9	2500	1006.3	+2.6	SE'S	3	bc	49	75	7	5	-	-	-	4-6	4-6	2500	1	*	com.p.c	ebcm.	bcm.	bcm.													
	Manchester	999.5	+3.0	S	4	qpr	51	75	7	5	7	-	7-8	10	2500	1006.5	+4.2	SE'S	1	bc	48	85	7	1	-	-	-	2-3	2-3	4000	1	*	com.p.c	ebcm.	bcm.	bcm.													
6	Spurn Head	1002.4	+1.0	SW	5	C	51	85	7	8	-	1	7-8	9	2500	1005.8	+2.8	S	3	b	47	92	7	-	-	-	0	0	-	0	3	com.p.c	ebcm.	bcm.	bcm.														
	Catterick	998.7	+6.0	SE	3	ir	50	86	6	6	7	-	9	10	800	1005.5	+3.0	SSW	3	bc	48	85	7	5	-	-	-	4-6	4-6	1500	1	*	com.p.c	ebcm.	bcm.	bcm.													
	Tynemouth	997.6	+8.0	S	4	C	52	75	5	8	-	-	9	9	1500	1003.7	+4.6	SW	4	C	50	75	7	5	-	-	-	9	9	1500	1	2	com.p.c	ebcm.	bcm.	bcm.													
7	St. Abbs Head	993.5	0	SE	6	C	60	85	6	6	-	4-6	7-8	1500	999.5	+1.6	SW	5	C	48	75	9	3	4	9	4	9	4	6	10	2500	1	3	com.p.c	ebcm.	bcm.	bcm.												
	Leuchars	994.9	+2.0	SE	2	C	50	85	6	5	7	-	4-6	9	2500	998.7	+3.2	S	4	bc	48	85	7	5	2	-	-	4-6	4-6	1500	1	*	com.p.c	ebcm.	bcm.	bcm.													
	Neutrow (Abbots I.)	992.9	+1.2	SE	3	Z	52	75	6	3	3	-	9	9	2500	999.8	+4.0	SW'S	3	bc	48	85	6	5	-	-	-	4-6	4-6	4000	1	*	com.p.c	ebcm.	bcm.	bcm.													
	Eskdalemuir	994.5	+4.0	SE	4	C	49	85	7	5	2	9	9	1500	1002.0	+5.0	SW'S	6	C	45	92	6	5	-	-	-	10	10	1500	1	*	com.p.c	ebcm.	bcm.	bcm.														
	Point of Ayre	994.0	+2.4	SE	4	ir	50	77	8	1	-	7-8	9	1500	1002.6	+4.6	SW	3	b	46	92	8	4	-	-	-	1	1	2500	1	2	com.p.c	ebcm.	bcm.	bcm.														
8	Tiree	998.5	+4.0	SE	4	bc	51	92	7	8	6	-	4-6	4-6	1500	999.9	+4.0	SSW	4	bc	48	85	8	8	-	-	-	4-6	4-6	1500	0	3	com.p.c	ebcm.	bcm.	bcm.													
	Stornoway	990.0	0	SE	4	pr	51	85	8	5	7	-	7-8	9	2500	992.3	+2.0	SSW	4	qpr	49	92	7	5	7	-	-	4-6	7																				

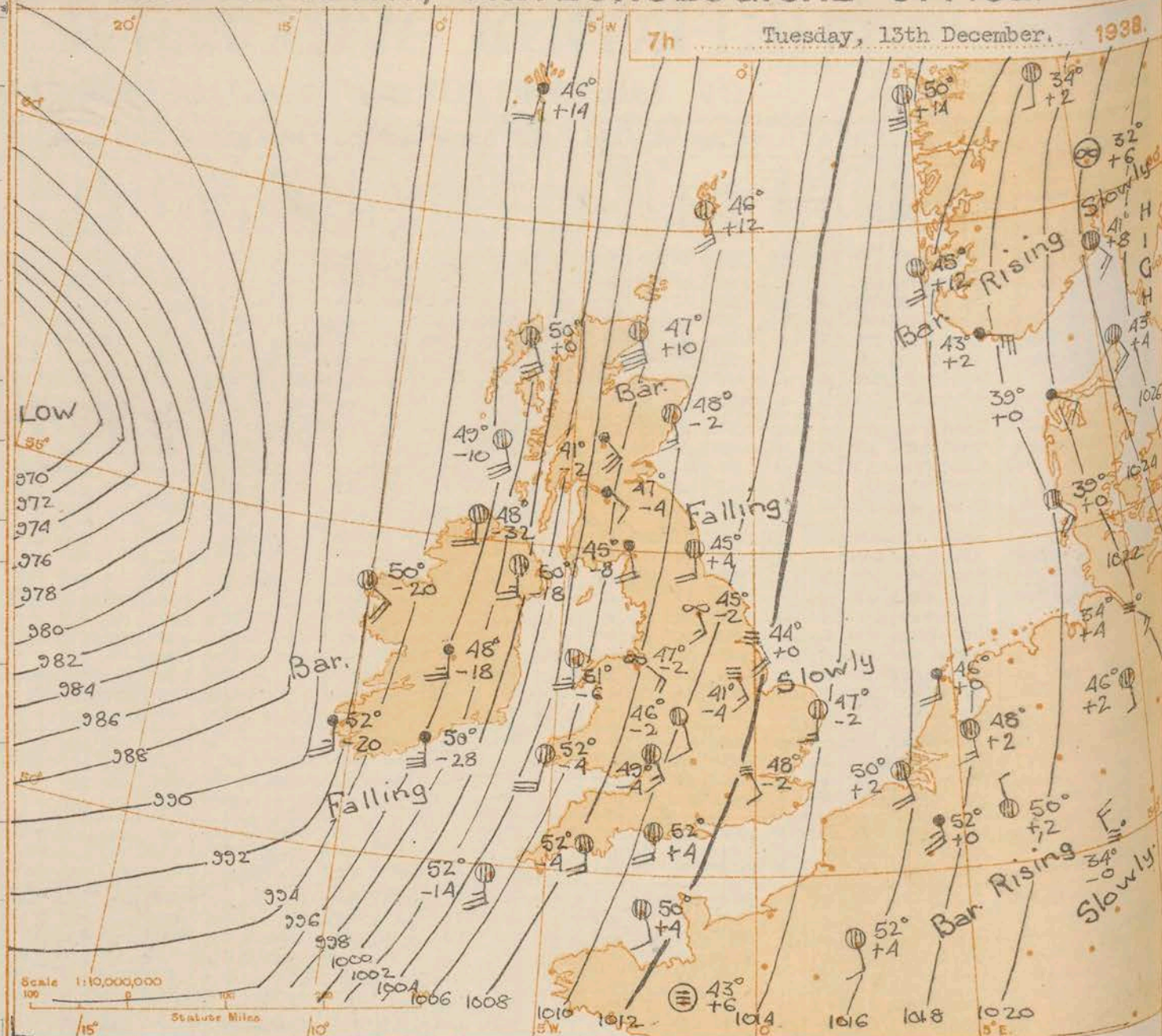
REPORTS from HEALTH RESORTS for 12th December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 12h.	Max. 12h. to 17h.	Night 17h. to 12h. 9h.	Day 9h. to 17h.	
1	Tunbridge W.	oc	coc	48	52	9	-	0.7
	Bournemouth	b	bbc	49	55	3	-	5.1
	Ventnor	rcb	bz	49	56	3	-	5.8
	Southsea	cbc	bbc	50	55	4	-	2.8
	Bognor Regis	cbcb	bbc	50	53	2	-	5.5
	Littlehampton	cbc	bbc	50	53	3	-	5.5
	Worthing	cb	bz	51	54	4	-	5.2
	Brighton	cdcb	bbcd	51	54	3	0.2	4.7
	Eastbourne†	odbc	cb	51	55	5	-	1.4
	Hastings†	rcbc	cbcb	50	55	4	Trace	1.5
	Folkestone	oro	a	50	55	1	0.3	0.0
	Dover	oroc	c	51	55	0.5	1	0.2
	Deal	orror	a	50	54	0.3	1	0.0
	Ramsgate	cp	c	50	53	Trace	1	0.5
	Margate	ed	cbc	50	55	Trace	1	0.5
2	Southend	orc	bbcc	48	52	1	0.3	2.7
	Clacton-on-Sea	circ	cbcb	48	51	0.5	0.2	2.3
	Dovercourt	roc	roc	49	52	Trace	Trace	2.5
	Lowestoft	cprc	crbcb	47	52	Trace	0.1	1.2
	Skegness	oroc	cbc	45	52	1	Trace	2.2
	Mablethorpe	orbc	b	45	53	Trace	0.3	2.1
	Cleethorpe	cbc	bcc	46	54	0.3	-	2.5
3	Leamington S.	c	bc	48	55	0.2	-	2.6
4	Cheltenham†	cbc	bbcb	47	54	2	-	4.3
5	Bath	cbcb	b	46	55	5	-	5.1
	Weymouth	pcb	b	49	56	5	-	5.0
	Jersey	pdbc	bc	48	55	0.2	-	6.8
	Torquay	cbcb	bbcc	50	57	8	-	3.9
	Falmouth	b	b	46	55	9	-	6.0
	Penzance	beb	bbcb	48	56	3	-	6.2
	St. Ives	bc	bccp	46	53	5	Trace	6.0
	Ilfracombe	rcbc	bbcb	49	53	4	-	5.5
6	Aberystwyth	pror	cbc	48	54	3	0.3	2.5
7	Llandudno	cir	rbcc	47	53	0.6	0.4	1.0
	Colwyn Bay	bccr	rbcb	47	52	0.3	2	0.1
	Rhyl	bccr	rbcb	46	53	1	0.2	0.5
8	Wallasey	cr	cbc	46	52	1	0.3	0.0
	Southport	cpr	prcb	47	52	1	1	0.3
	Blackpool	cprc	opbm	45	52	0.5	1	0.2
	Morecambe							
9	Ilkley	ogo	c	44	52	1	-	0.0
	Harrogate	oc	acb	44	50	0.5	-	0.0
10	Berwick-on-T.	o	c	44	51	1	-	0.0
11	Dunbar	cmr	cpr	44	52	2	Trace	0.0
12	Troon	poco	cpoc	41	52	1	Trace	1.9
	Douglas	cir	bccr	46	52	8	0.5	1.1

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

Tuesday, 13th December, 1938.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th December, 1938.

1 S.E. England	
2 E. England	Wind south, moderate or fresh; cloudy; mild.
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Wind south, strong or gale locally on coasts; cloudy, occasional rain or drizzle; mild.
7 North Wales	
8 N.W. England	
9 N. Midlands	As 1 - 4.
10 N.E. England	
11 S.E. Scotland	Wind south, fresh or strong; cloudy, occasional drizzle; mild.
12 S.W. Scotland & Isle of Man	
13 { A.W.Scotld. B.N.W.Scot- land.	Wind south, strong or gale locally on coasts; cloudy, occasional rain or drizzle; mild.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

N.W. Stationery Office Press, London, W.C.2

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression over the Atlantic is slowly spreading eastwards and a large and intense anticyclone over Eastern Europe remains stationary. There will be southerly winds reaching gale force in places in the West and North. Weather will remain mild with occasional rain in the West and North but will be mainly fair in Southeast and East England.

FURTHER OUTLOOK.

Little change.

Times of issue of Gale Warnings.

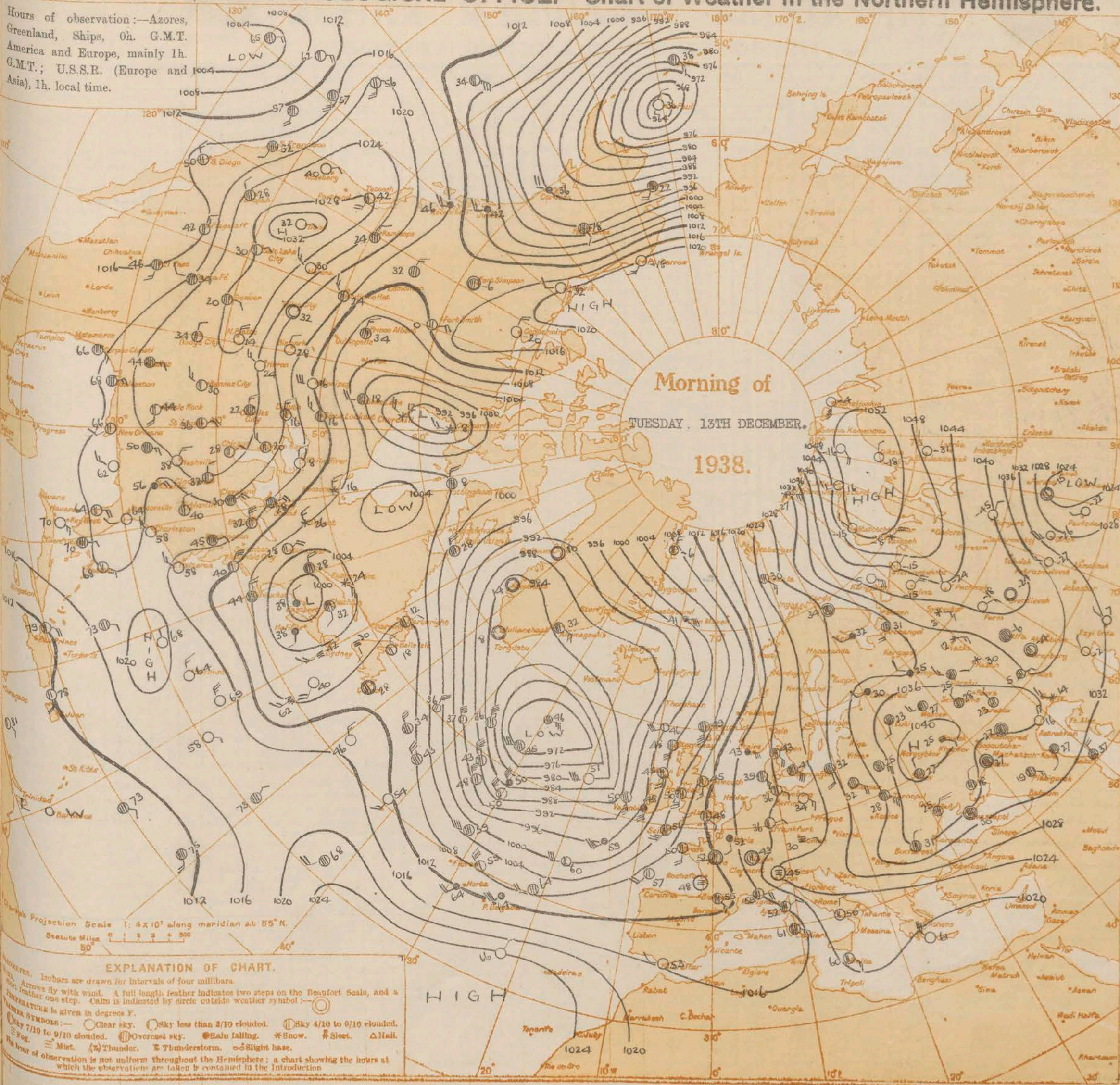
South Cone hoisted at 0200 on 12/12/38 in districts 15 and 16; at 1915 on 12/12/38 in districts 5(part) 6,17 and 20, and at 0740 on 13/12/38 in districts 1,5 (part) 7,8,12,13 (A & B) 18 and 19.

Forecasts issued at 10.30 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.,
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



OF THE METEOROLOGICAL OFFICE, LONDON.

PAST 24 HOURS.

LONDON OBSERVATIONS.														EXPLANATION OF FIGURES, LETTERS, etc.																																																																																																																																																																																																																																																																																																																																																											
Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations except for rainfall which is 9h—18h.														The barometric tendency is expressed in tenths of a millibar.																																																																																																																																																																																																																																																																																																																																																											
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SOUTH KENSINGTON.														The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.																																																																																																																																																																																																																																																																																																																																																											
Kew Observatory.														COLUMNS 30.—Code for State of Sea.																																																																																																																																																																																																																																																																																																																																																											
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Tr. = rain has fallen, but amount less than 0.1 mm.																																																																																																																																																																																																																																																																																																																																																																									
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N. K. JOHNSON, M.Sc., A.R.C.S., Director.

‡ Sea disturbance reported from Dungeness.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

CLOUD.

- 0 No cirriform cloud.
- 1 Fine Ci not increasing: sparse.
- 2 Fine Ci not increasing: abundant but not a continuous layer.
- 3 Anvil Ci (usually dense).
- 4 Fine Cs increasing: usually in tufts.
- 5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
- 6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
- 7 Veil of Cs covering whole sky.
- 8 Cs not increasing and not covering whole sky.
- 9 Cs predominating, and a little cirrus.

(Cs may occur with any of the types 1 to 8)

Ground covered with thawing snow.

REPORTS from HEALTH RESORTS for 13th December 1938.

AIR MINISTRY, METEOROLOGICAL OFFICE.

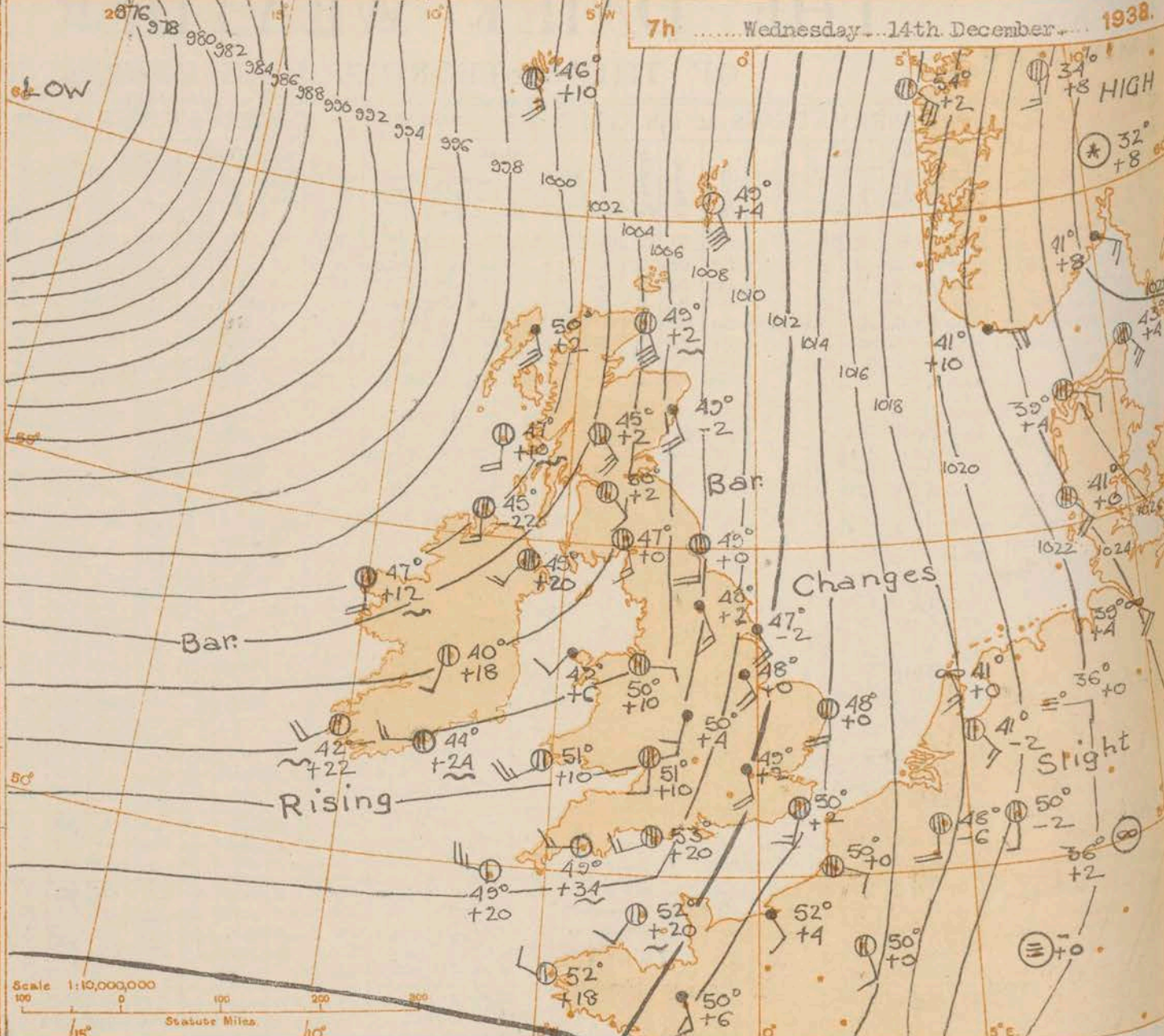
7h Wednesday 14th December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (in.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 12h. to 13h.	Max. 9h. 17h. 13h.	Night. 17h. 12h. to 9h. 13h.	Day. 9h. 17h. 13h.	
1	Tunbridge W.	co	o	39	51	Trace	-	0.2
	Bournemouth	oc	o	47	53	Trace	-	0.4
	Ventnor	ofo	oc	49	52	-	-	0.1
	Southsea	o	oc	47	52	-	-	0.2
	Bognor Regis	o	oc	43	52	Trace	-	0.0
	Littlehampton	c	c	44	52	-	-	0.0
	Worthing	c	c	46	52	Trace	-	0.0
	Brighton	c	c	45	52	-	-	0.0
	Eastbourne	co	ocbc	41	52	-	-	0.0
	Hastings	abcc	bcc	49	54	0.3	-	0.5
	Folkestone	ac	cbc	48	55	-	-	0.4
	Dover	cac	cbe	46	55	-	-	0.0
	Deal	o	oco	45	54	-	-	0.3
	Ramsgate	c	c	42	53	Trace	-	0.4
	Margate	cbc	c	48	54	Trace	-	0.4
2	Southend	oc	cbcc	45	53	0.3	-	1.2
	Clacton-on-Sea	oc	cbcc	46	51	-	-	1.3
	Dovercourt	dbc	bc	46	51	Trace	-	1.0
	Lowestoft	cmid	cide	46	52	-	0.2	0.0
	Skegness	ffo	o	43	52	0.5	Trace	0.0
	Mablethorpe	ofo	oc	40	48	0.3	Trace	0.0
	Cleethorpe	o	co	38	47	Trace	-	0.0
3	Leamington S.	o	o	44	52	-	-	0.0
4	Cheltenham	co	oc	46	52	Trace	-	0.1
5	Bath	c	c	48	54	-	-	0.0
	Weymouth	c	c	50	53	0.1	-	0.0
	Jersey	c	cbcc	47	54	-	-	1.7
	Torquay	WC	codpg	51	54	-	0.2	0.0
	Falmouth	ocorr	orrjo	48	53	0.3	5	0.0
	Penzance	rr	rr	49	54	8	4	0.0
	St. Ives							
	Bude	cbc	cor	47	56	0.5	1	1.2
	Ilfracombe	robc	r	49	55	1	1	0.2
6	Aberystwyth	cbc	bccpr	47	55	-	1	2.3
7	Llandudno	cbc	bccr	48	55	1	0.2	1.9
	Colwyn Bay	co	oco	40	53	0.5	-	0.3
	Rhyl	c	c	44	53	Trace	-	0.1
8	Wallasey	cbc	bcc	45	52	-	-	0.5
	Southport	cbccz	cz	44	51	Trace	-	0.5
	Blackpool	cm	com	43	50	-	-	0.6
	Morecambe							
9	Ilkley	c	ago	38	48	-	-	0.0
	Harrogate	co	co	42	47	-	-	0.0
10	Berwick-on-T.	cm	cmbr	41	46	-	-	0.0
11	Dunbar	bcm	bcm	43	50	-	-	1.0
12	Troon	ocac	opaco	46	52	3	Trace	0.0
13	Douglas	bccr	cir	46	50	3	2	0.0

1 Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h.-01.

Scale 1:10,000,000

Statute Miles



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th December 1938.
1 S.E. England	Wind south to southwest, moderate to fresh; intermittent rain at first; bright intervals later; mild.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind southwest, moderate or fresh; some local showers but bright intervals; patchy fog developing at night; mild.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	As 1 - 3.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 4 - 9.
13 { A.W.Scotld. B.N.W.Scot- land.	
14 Mid Scotland	
15 N.E. Scotland	Southerly gale, severe at times; cloudy; occasional rain; mild.
16 Orkney and Shetland	
17 N.W. Ireland	Wind southwest moderate to fresh, backing to south tomorrow; local showers with bright intervals today; rain approaching from the West tomorrow; mild.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

1st Stationary Office Press London N.C.2

BAROMETER. Isolars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A trough of low pressure across England and Scotland is moving very slowly. It will be cloudy with intermittent rain in eastern parts of the country but there will be bright intervals in the West. Another depression far out on the Atlantic will cause rain in western districts tomorrow.

FURTHER OUTLOOK.

Continuing mild and unsettled.

Time of issue of Gale Warnings.

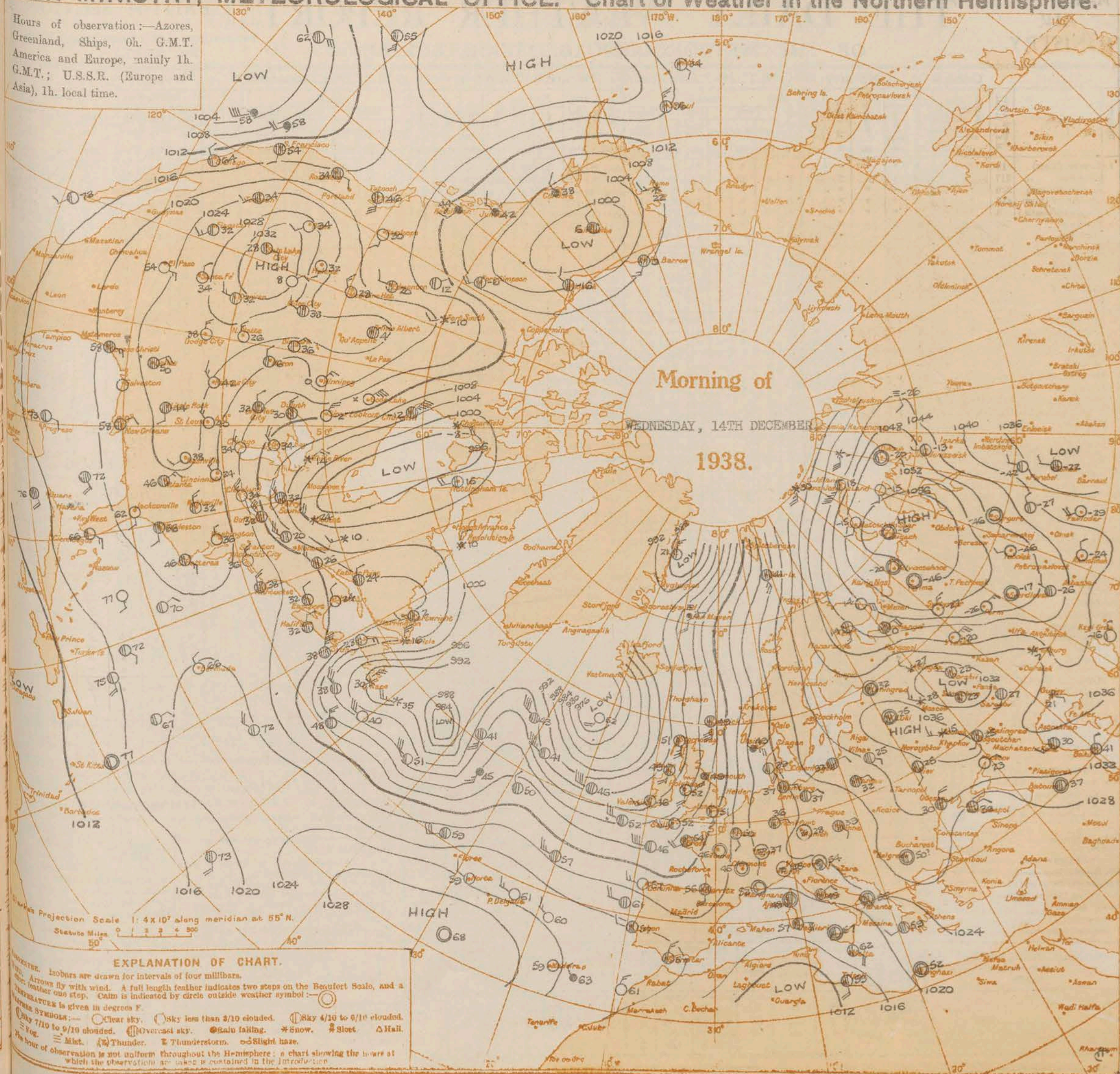
South Cone hoisted at 0200 on 12-12-38 in districts 15 and 16.

Forecasts issued at 1015 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S. Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.

Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol: ○

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS:— ○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. † Sleet. △ Hail. ☼ Fog. ☼ Mist. ☼ Thunder. ☼ Thunderstorm. ☼ Slight haze.

The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 14th December, 1938.
No. 28146.

OBSERVATIONS at 1 hr. G.M.T. 14th December.

OBSERVATIONS at 7 hr. G.M.T. 14th December.

PAST 24 HOURS.

District.	STATIONS.	Height above M.S.L. in feet.	OBSERVATIONS at 1 hr. G.M.T. 14th December.														OBSERVATIONS at 7 hr. G.M.T. 14th December.														PAST 24 HOURS.									
			Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Vis. (8)	Cloud. (9-12)				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17)		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Vis. (22)	Cloud. (23-26)				Barom. at M.S.L. (29)	Change in 3 hours. (30)	TEMPERATURE, RAINFALL, SUN- SHINE.											
					Direc. (3)	Force (4)					Form. (9)	Amount. (10)	Height of Base. (11)	Form. (23)			Amount. (24)	Height of Base. (25)					Form. (26)	Amount. (27)	Form. (28)	Amount. (29)			Form. (30)	Amount. (31)	Form. (32)	Amount. (33)	Form. (34)	Amount. (35)	Form. (36)					
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1011.4	+4	S	3	rofo	50	92	6	6	2	-	4-6	10	1500	1	*	52	49	44	Tr	2	0.3					
	Croydon	217	1011.4	-2	SSE	3	bc	51	85	7	5	5	-	9-6	4-6	1500	1011.4	+2	SSE	4	rofo	49	92	7	6	2	-	4-6	10	1500	1	*	52	49	46	Tr	5	0.2		
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	*	1010.6	+4	S	3	rofo	50	92	5	6	2	-	10	10	800	1	*	50	49	45	0.1	5	0.0					
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1009.7	+12	SW	3	gr	50	97	7	5	-	-	10	10	450	1	*	51	49	48	Tr	15	0.0					
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	*	1011.2	+14	S	4	rofo	51	97	6	6	-	-	10	10	800	1	3	52	50	50	0.1	6	0.2					
	Lympne	346	1013.9	-2	SSE	3	bc	50	97	6	-	7	-	0	4-6	-	1013.8	+2	SW	3	gr	50	92	6	5	2	-	7-8	9+	800	1	52	49	47	Tr	0.1	0.7			
	Manston	154	1013.4	-2	SSE	3	c	50	92	6	-	7	6	0	7-8	-	1013.9	-2	SSE	2	c	50	92	6	5	7	-	7-8	9+	1500	1	*	54	49	45	Tr	Tr	0.3		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1012.6	0	S	3	c	50	92	7	5	7	-	2-3	9	2500	1	*	53	48	43	-	0.2	1.1					
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1012.9	-2	SSE	4	c	50	92	7	5	-	-	9+	9+	2500	1	3	51	47	42	-	-	1.0					
	Corleston	5	1012.8	-4	S	3	bc	48	92	6	-	3	-	0	2-3	-	1012.7	0	S	4	c	48	92	6	5	-	-	9+	9+	2500	1	2	52	47	46	-	-	0.2		
	Mildenhall	19	1011.2	-2	SSE	3	c	49	92	6	-	7	-	0	7-8	-	1010.9	+2	SSE	5	ir	51	85	7	5	-	-	10	10	1500	1	*	51	47	44	Tr	0.1	0.0		
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1009.4	0	SSE	4	ir	48	97	6	6	-	-	10	10	450	1	*	48	45	44	Tr	0.5	0.0					
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1007.3	+4	SSW	2	ir	50	97	5	6	-	-	10	10	800	1	*	50	48	46	Tr	16	0.0					
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1009.4	+2	SSE	3	rofo	49	97	6	6	-	-	10	10	450	1	*	50	48	44	Tr	9	0.2					
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1007.5	+10	S	2	gr	51	92	7	5	-	-	9+	9+	2500	1	*	52	50	47	-	15	0.2					
5	Hartland Point	239	1003.2	-14	SW	5	c	53	97	7	5	-	-	7-8	7-8	1500	1009.2	+4	W	4	bc	50	92	8	8	4	-	2-3	4-6	1500	1	4	54	49	47	Tr	2	0.7		
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1008.4	+18	SW	3	c/r	51	92	7	5	7	-	9-6	9+	1500	1	*	53	50	47	Tr	13	0.7					
	Portland Bill	32	1007.2	-2	SSW	5	rr	53	92	7	5	-	-	10	10	1500	1009.2	+20	WSW	3	c	53	92	7	5	2	-	4-6	7+	2500	1	4	54	50	*	-	6	*		
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1009.6	+34	WS	2	b	49	92	8	5	-	-	Tr	Tr	2500	1	1	54	49	46	3	11	0.0					
	The Lizard	240	1005.6	+6	SW	3	pr	52	97	6	8	2	-	7-8	9+	1500	1010.0	+28	SW	4	bc	49	75	8	8	6	-	4-6	4-6	2500	1	3	53	49	*	8	0.4	0.0		
	Scilly (St. Mary's)	163	1005.2	+10	SW	4	bc	52	92	7	8	4	-	2-3	4-6	1500	1008.9	+20	WN	5	b	49	75	8	5	3	-	Tr	1	2500	1	3	53	49	*	3	0.3	0.0		
	Guernsey	175	1009.3	-2	SSE	4	RR	51	97	6	8	-	-	10	10	1500	1010.5	+20	SW	2	bc	52	97	7	5	3	-	4-6	4-6	2500	1	4	54	51	46	Tr	11	0.0		
6	Pembroke	142	1003.9	+2	SW	4	c	53	97	6	5	2	-	7-8	7-8	1500	1006.4	+10	WSW	5	bc	51	85	7	5	2	-	2-3	4-6	2500	1	2	53	49	*	5	2	0.0		
7	Holyhead	26	1002.6	+6	S	4	bc	52	92	8	5	8	-	4-6	4-6	2500	1004.2	+6	SW	2	pr	49	97	7	9	1	-	9	9+	1500	1	2	53	49	48	1	7	0.0		
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1006.0	+10	E	1	gr	50	97	5	5	-	-	7-8	7-8	4000	1	*	52	50	44	0.1	1	0.8					
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1006.2	+8	SSE	3	rr	50	97	5	6	2	-	4-6	10	1500	1	*	52	49	44	Tr	7	0.0					
10	Spurn Head	29	1009.6	-4	SSE	4	bc	47	97	6	-	2	-	0	4-6	-	1009.3	-2	SSE	4	r	47	97	6	5	-	-	10	10	800	1	3	47	46	*	0.4	Tr	0.0		
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1006.6	+2	SSE	3	ir	48	97	5	5	-	-	10	10	450	1	*	47	46	45	Tr	2	0.0					
	Tynemouth	108	1006.7	0	S	4	ir	49	85	6	-	2	-	10	10	1500	1006.3	0	S	4	o/r	49	92	6	-	2	-	10	10	1500	1	2	47	47	45	-	4	0.0		
11	St. Abbs Head	280	1005.0	0	SSE	3	c/r	47	92	5	3	2	-	4-6	10	1500	1004.7	-2	SSE	3	rr	47	97	5	3	2	-	7-8	10	1500	1	3	47	44	*	-	4	*		
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1003.9	-4	SE	3	c	47	92	6	6	2	-	4-6	10	1500	1	*	48	44	39	-	3	0.0					
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1002.7	+2	SSE	2	gr	50	85	6	5	-	-	9+	9+	4000	1	*	51	48	42	0.1	Tr	1.8					
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1004.2	0	SSE	3	c	47	97	6	5	-	-	9	9	800	1	*	47	46	45	1	2	1.9					
	Point of Ayre	30	1002.5	+4	SW	4	c	50	97	7	8	1	-	4-6	9+	1500	1003.4	+8	SW	4	c	50	92	8	5	-	-	9+	9+	2500	1	3	51	49	*	1	2	0.0		
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	999.0	+10	S	4	bc	47	92	8	5	-	-	2-3	2-3	2500	0	*	51	46	45	2	0.3	0.0					
13B	Stornoway	80	997.7	+12	SSE	5	bc	51	85	7	5	-	-	4-6	4-6	2500	999.3	+2	SSE	5	RR	50	97	6	5	2	-	7-8	10	1500	1	3	51	50	*	0.5	2	0.0		
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	1002.7	+2	SE	5	c	45	92	7	4	1	-	7-8	10	1500	1	*	46	42	38	3	9	0.0					
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1005.2	-2	SSE	4	ir	49	97	6	6	2	-	7-8	10	800	1	1	48	47	46	*	-	3	*				
	Wick	81	1002.2	+4	SSE	8	bcq	49	92	6	5	7	-	2-3	4-6	1500	1003.2	+2	SSE	8	c	49	92	6	5	2	-	9	10	800	1	4	49	48	*	-	-	*		
16	Lerwick	155	1005.5	-8	SSE	8	c	49	85	7	8	2	-	7-8	10	1500	1007.1	+4	SSE	8	c	49	85	7	8	2	-	7-8	10	800	1	*	51	48	*	-	-	0.0		
17	Blackod Point	18	995.8	+14	S	4	c	50	85	7	5	-	-	9+	9+	800	998.7	+12	S	4	bc	47	85	8	3	-	-	4-6	4-6	1500	1	4	52							

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 14th. December													OBSERVATIONS at 18h. G.M.T. 14th. December													PAST 24 HOURS.								
		Barom. at M.S.L. mb.	Change in 8 hours.	Wind. Dir.	Force 0-12	Weather.	Temp.	% Humid.	Visibility 0-6	Cloud.			Barom. at M.S.L. mb.	Change in 8 hours.	Wind. Dir.	Force 0-12	Weather.	Temp.	% Humid.	Visibility 0-9	Cloud.			State of Ground. 0-9	Sea. 0-9	WEATHER.										
										Form.	Amount.	Height of Base (feet)									Form.	Amount.	Height of Base (feet)			7h.—13h. 14th.	13h.—18h. 14th.	18h.—14th 15th.	14th.—15th 15th.							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)			
	(For heights see p. 4.)																																			
1	London (Kew)	1014.1	+3	SW	2	Z	53	85	6	9	1	7-8	10	1500	1017.3	+24	-	0	3	48	92	4	-	-	-	0	0	-	1	*	ccm	cbcm	bmbfe	ofe		
	Croydon	1013.8	+3	SW	3	Z	53	82	6	3	4	3-6	9+	1500	1017.6	+28	-	0	0	47	85	3	-	-	-	0	10	-	1	*	ccm	cbcm	cbmoff	offe		
	S. Farnborough	1013.9	+14	W	2	C	52	85	8	7	3	6	4-6	9	1500	1017.3	+26	-	0	0	43	97	1	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe	
	Boscombe Down	1014.1	+16	WNW	3	b	51	85	7	8	-	8	4-6	10	2500	1017.3	+22	-	0	0	44	92	6	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe	
	Calshot (Stmnt.)	1014.2	+14	WNW	2	Z	53	85	6	8	-	3	4-6	9	1500	1017.3	+18	NW	1	46	97	6	-	4	1	0	2-3	-	1	*	ccm	cbcm	cbmoff	offe		
	Lympe	1015.3	+4	S	2	id.	50	97	5	6	2	-	9+	10	220	1017.9	+14	SSW	1	49	97	5	5	3	-	7-8	9+	2500	1	*	ccm	cbcm	cbmoff	offe		
	Manston	1014.8	+4	S	2	C	52	92	6	5	7	-	9	10	1500	1017.4	+36	SE	1	50	97	5	5	3	-	9	9	7200	1	*	ccm	cbcm	cbmoff	offe		
2	Shoeburyness	1014.4	+2	S	2	C	51	97	6	5	2	-	9+	10	2500	1017.1	+12	-	0	3	48	97	4	-	-	-	0	2-3	-	1	*	ccm	cbcm	cbmoff	offe	
	Felixstowe	1014.7	+4	S	3	ir	50	97	6	5	2	-	9+	10	2500	1017.3	+12	S	2	3	48	97	6	5	2	-	7-8	9	1500	1	2	ccm	cbcm	cbmoff	offe	
	Gorleston	1014.1	+6	SW	3	C	52	92	6	5	-	-	9+	9+	2500	1016.5	+16	SW	3	0	48	92	5	5	-	-	10	10	1500	1	3	ccm	cbcm	cbmoff	offe	
	Mildenhall	1013.5	+8	S	3	C	52	97	6	5	2	-	7-8	10	2500	1016.7	+22	SW	2	3	46	97	4	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe	
	Cranwell	1012.1	+14	SW	3	C	51	92	7	8	7	3	2-3	9	2500	1016.5	+30	W	1	43	97	5	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe		
3	Birmingham	1013.0	+24	SW	3	bc	50	75	6	8	-	1	2-3	2-3	2500	1017.1	+24	WSW	2	3	44	85	6	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe	
	Upper Heyford	1013.6	+14	W	3	C	53	75	8	1	-	4	Tr	7-8	2500	1017.1	+26	W	1	3	44	85	6	5	-	-	1	Tr	1	2500	1	*	ccm	cbcm	cbmoff	offe
4	Ross-on-Wye	1013.0	+26	W	3	bc	52	65	7	2	-	2	Tr	2-3	4000	1016.8	+20	SSW	1	3	42	85	5	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe	
5	Hartland Point	1013.0	+14	W	4	bc	50	85	8	1	4	1	1	2-3	1500	1015.8	+16	S	3	46	85	8	5	-	-	4-6	4-6	1500	1	3	bc	bc	bc	bc		
	Bristol	1014.0	+18	W	3	bc	51	75	8	1	-	5	1	4-6	2500	1017.4	+20	-	0	39	97	6	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe		
	Portland Bill	1013.0	+18	W	3	C	51	82	8	5	4	-	4-6	7-8	2500	1016.4	+24	NW	3	48	92	7	5	-	-	2-3	2-3	2500	1	3	c	bc	bc	bc		
	Plymouth	1014.3	+12	W	2	C	51	75	6	5	-	6	1	7-8	2500	1016.9	+22	ENE	1	45	85	5	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe		
	The Lizard	1014.2	+8	SW	2	bc	54	75	8	4	-	-	2-3	2-3	2500	1016.5	+20	SW	2	49	92	8	8	-	-	4-6	4-6	2500	1	2	bc	bc	bc	bc		
	Scilly (St. Mary's)	1013.7	+16	W	3	C	48	75	7	5	6	-	4-6	9	1500	1016.9	+12	SW	1	46	85	8	2	-	-	1	1	2500	1	2	bc	bc	bc	bc		
	Guernsey	1014.0	+10	NW	2	bc	53	75	8	2	3	4	2-3	4-6	2500	1016.5	+20	-	0	53	92	6	-	-	-	0	0	-	1	2	bc	bc	bc	bc		
6	Pembroke	1012.6	+18	SW	4	bc	52	75	7	7	7	-	2-3	4-6	2500	1015.1	+18	SW	3	50	85	8	1	-	-	Tr	Tr	2500	1	2	bc	bc	bc	bc		
	Holyhead	1010.5	+26	SW	4	b	50	75	8	2	4	-	1	1	2500	1013.4	+18	SW	4	50	75	8	7	-	8	1	2-3	2500	1	2	bc	bc	bc	bc		
	Chester (Sealand)	1011.9	+26	-	0	bc	53	68	8	8	-	-	4-6	4-6	2500	1015.7	+22	SE	1	44	85	6	-	4	-	0	1	-	1	*	ccm	cbcm	cbmoff	offe		
8	Manchester	1011.7	+26	SW	2	Z	51	75	6	2	4	-	4-6	4-6	4000	1016.0	+30	SSE	2	3	43	85	4	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe	
10	Spurn Head	1011.9	+12	SW	3	C	49	97	6	6	2	-	4-6	9	1500	1016.1	+26	W	1	46	97	5	-	-	-	0	0	-	1	1	ccm	cbcm	cbmoff	offe		
	Catterick	1010.2	+20	W	3	bc	51	75	8	4	4	-	2-3	4-6	1500	1015.3	+32	SE	2	43	75	8	-	3	-	0	1	-	1	*	ccm	cbcm	cbmoff	offe		
	Tynemouth	1009.0	+14	SW	3	C	51	82	5	8	-	-	7-8	7-8	1500	1013.7	+16	S	2	46	75	6	5	-	-	2-3	2-3	1500	1	2	ccm	cbcm	cbmoff	offe		
11	St. Abbs Head	1007.6	+14	SSW	2	C	48	92	7	5	6	-	4-6	7-8	2500	1013.2	+22	SSW	1	43	75	8	-	3	-	0	Tr	-	1	2	c	bc	bc	bc		
	Leuchars	1006.8	+14	SW	2	pr	47	85	6	9	7	-	9	9+	800	1011.8	+34	SSW	3	42	85	7	-	-	-	0	0	-	1	*	ccm	cbcm	cbmoff	offe		
	Renfrew (Abbots I.)	1006.8	+18	SW	3	bc	48	75	8	2	4	3	4-6	4-6	2500	1011.3	+30	SW	1	44	85	6	2	-	-	Tr	Tr	2500	1	*	ccm	cbcm	cbmoff	offe		
	Eskdalemuir	1008.2	+16	SW	4	C	46	85	6	8	-	-	7-8	7-8	800	1013.4	+30	SW	3	40	92	8	4	-	-	2-3	2-3	1500	1	*	ccm	cbcm	cbmoff	offe		
	Point of Ayre	1009.0	+22	SW	3	C	51	75	8	2	-	-	7-8	7-8	4000	1013.2	+24	SW	3	44	85	8	2	-	-	2-3	2-3	4000	1	2	ccm	cbcm	cbmoff	offe		
13	Tiree	1002.8	+8	S	4	bc	47	85	8	8	4	-	2-3	2-3	2500	1005.2	+14	S	6	46	92	7	5	-	-	7-8	7-8	1500	0	4	bc	bc	bc	bc		
13	Stornoway	1001.1	+8	S	6	C	48	85	8	8	7	-	7-8	7-8	2500	1002.9	+6	S	8	47	75	7	8	-	-	9	9	2500	1	4	ccm	cbcm	cbmoff	offe		
15	Dalwhinnie	1006.0	+8	S	4	ir	43	85	7	4	1	-	2-3	10	2500	1003																				

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

COLUMNS 5, 19, 37, 38, 39, 40.—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility

REPORTS from HEALTH RESORTS for 14th December 1938.

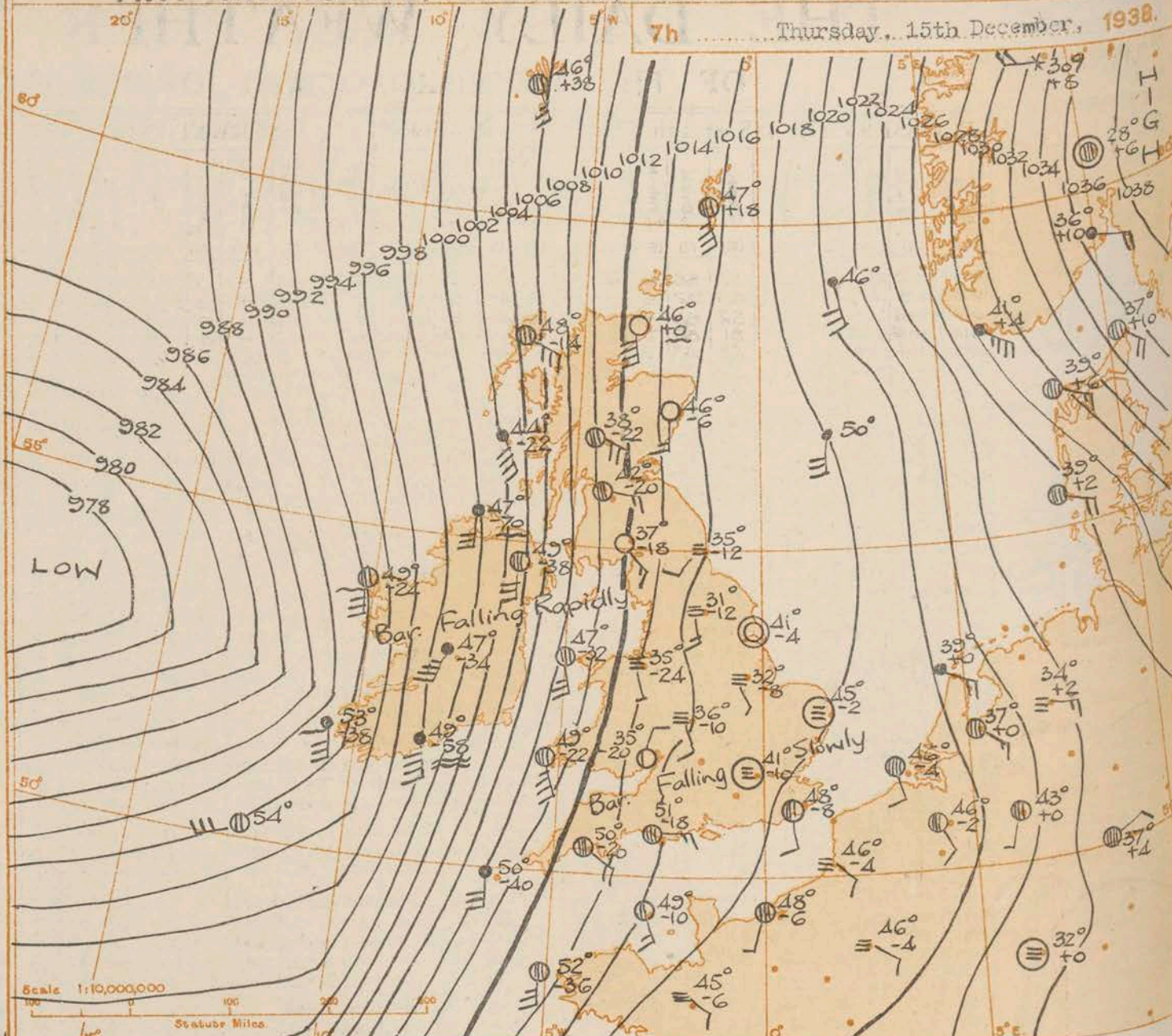
DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm)		SUNSHINE (hrs)
		Forenoon.	Afternoon.	Min. 9h. to 14h.	Max. 14h. to 17h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	oro	omo	48	52	2	1	0.0
	Bournemouth	cbcb	b	46	52	17	-	4.1
	Ventnor	rfo	bcbz	48	54	2	-	1.8
	Southsea	c	cbcb	50	53	3	-	0.1
	Bognor Regis	cbcc	co	49	54	4	-	0.1
	Littlehampton	c	cbcb	49	53	8	-	0.0
	Worthing	cc	cf	50	53	8	-	0.0
	Brighton	c	adcf	50	53	7	0.3	0.0
	Eastbourne	ro	o	51	53	3	0.2	0.0
	Hastings	ado	com	50	53	2	0.3	0.0
2	Folkestone	adrd	o	51	53	Trace	1	0.0
	Dover	o	oro	51	53	Trace	1	0.0
	Deal	o	adrd	51	53	-	0.3	0.0
	Ramsgate	co	dc	50	53	-	0.5	0.0
	Margate	c	cd	51	52	-	0.5	0.0
3	Southend	cod	ancz	48	51	0.3	Trace	0.0
	Clacton-on-Sea	wcidc	cidec	47	49	Trace	1	0.0
	Dovercourt	doc	dcf	47	50	0.3	Trace	0.0
	Lowestoft	cmir	crm	45	52	0.2	2	0.0
	Skegness	oro	o	46	50	1	Trace	0.0
4	Mablethorpe	oro	cof	44	51	2	0.5	0.0
	Cleethorpes	crc	c	43	51	3	0.5	0.0
	Leamington S.	cbc	bc	48	52	8	-	3.6
	Cheltenham	bc	b	44	52	16	-	4.6
5	Bath	cbcb	bbcb	49	53	20	-	4.4
	Weymouth	cb	bbc	50	54	8	-	4.9
	Jersey	rc	bc	49	55	4	-	3.2
	Torquay	b	bcchm	45	52	19	-	4.7
	Falmouth	b	b	44	54	0.4	-	6.5
	Penzance	b	b	44	53	0.3	-	6.0
	St. Ives	bcb	b	50	53	3	-	5.5
	Bude	rrc	rrc	49	51	9	-	3.9
	Ilfracombe	rrc	rrc	49	51	9	-	3.9
	Aberystwyth	prc	prc	46	53	2	-	5.8
6	Llandudno	bc	bc	47	51	4	-	4.6
	Colwyn Bay	prc	prc	48	54	4	-	4.9
	Rhyl	cbc	bc	49	53	0.3	-	5.0
	Wallassey	cbc	bc	47	53	1	-	4.7
7	Southport	cpbc	bbg	49	51	0.1	0.1	3.8
	Blackpool	cpbc	bbg	46	52	0.5	0.3	4.5
	Morecambe	cpbc	bbg	46	52	0.5	0.3	4.5
	Ilkley	or	cbc	45	51	5	0.5	1.4
8	Harrogate	roc	cb	43	49	7	0.6	1.9
	Berwick-on-T.	corc	bcbb	44	51	2	3	1.2
9	Dunbar	cm	cm	43	52	0.3	0.3	1.6
	Troon	acpc	cbcc	48	49	4	Trace	2.5
10	Douglas	cir	bc	48	50	1	-	4.1
	Douglas	cir	bc	48	50	1	-	4.1

Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h. to 9h.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th December, 1938.
1 S.E. England	Wind south to southeast moderate. Cloudy occasional rain or drizzle. Mild.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind south to southwest strong to gale. Cloudy occasional rain, mild.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	As 1 - 4.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind southerly strong to gale, cloudy, occasional rain. Mild.
13 A.W. Scotland & B.N.W. Scotland.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	As 5 - 8.
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

N.W. Stationery Office Press, London W.C.2

AIR MINISTRY. METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A deep depression off the west of Ireland will move towards the east-north-east and then to the northeast whilst an anticyclone of exceptional intensity over Northern Russia is slowly spreading to the southwest. Mild unsettled weather will continue for a time with southerly gales in the west and north and some rain in all districts.

FURTHER OUTLOOK.

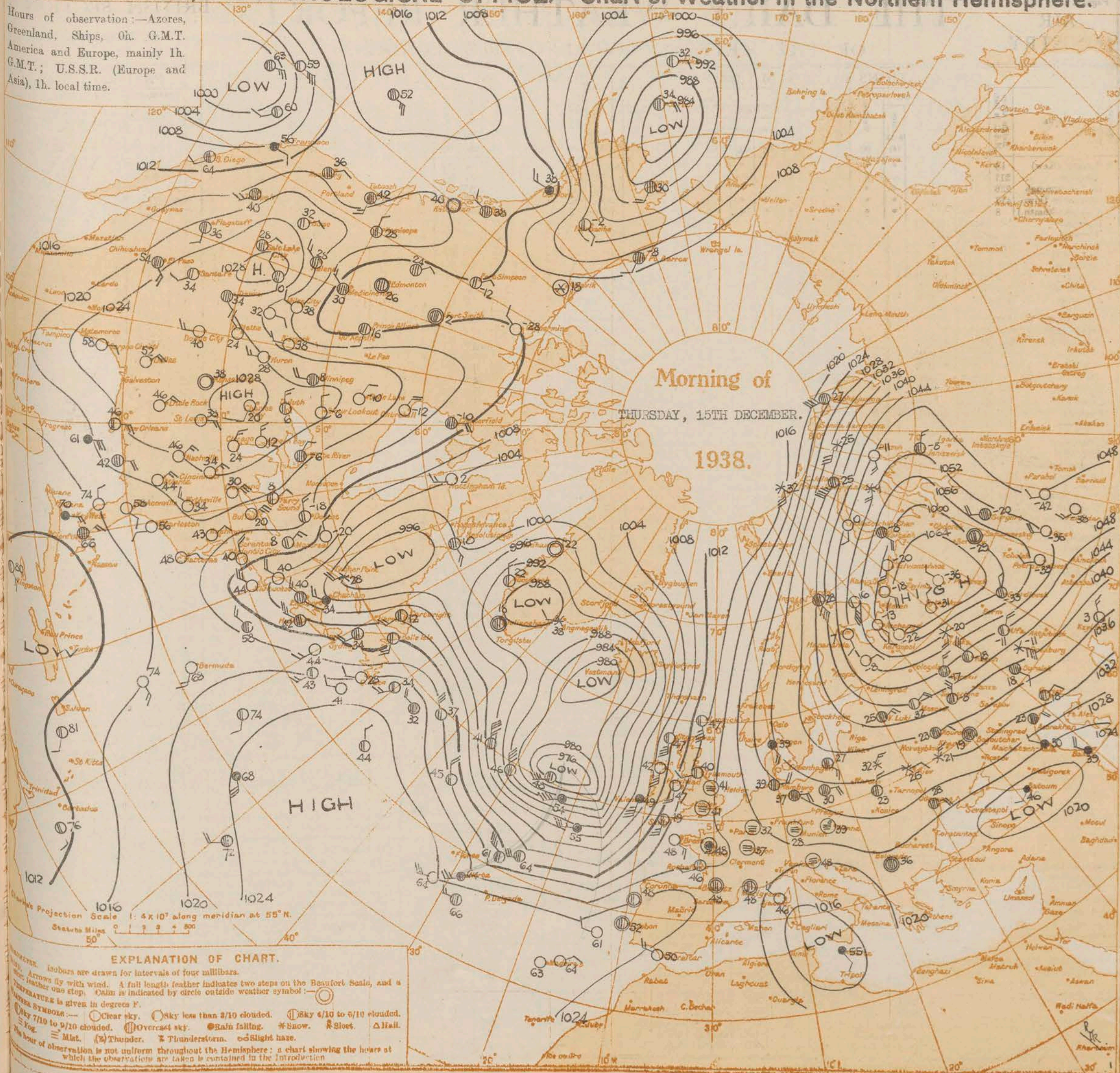
Becoming cooler in eastern districts. South Cone hoisted at 0200 on 12/12/38 in part of district 16; at 1920 on 14/12/38 in districts 17 and 20; and at 0200 on 15/12/38 in districts 6, 7, 8, 12, 13, 15, 18, 19, part of 5 and remainder of 16.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S., Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
 Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol:—
 TEMPERATURE is given in degrees F.
 CLOUD SYMBOLS:— ☉ Clear sky. ☁ Sky less than 3/10 clouded. ☂ Sky 3/10 to 9/10 clouded. ☄ Sky 7/10 to 9/10 clouded. ☀ Overcast sky. ☔ Rain falling. * Snow. ❄ Sleet. ⚡ Hail.
 ☁ Mlt. (T) Thunder. * Thunderstorm. ☁ Slight haze.
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

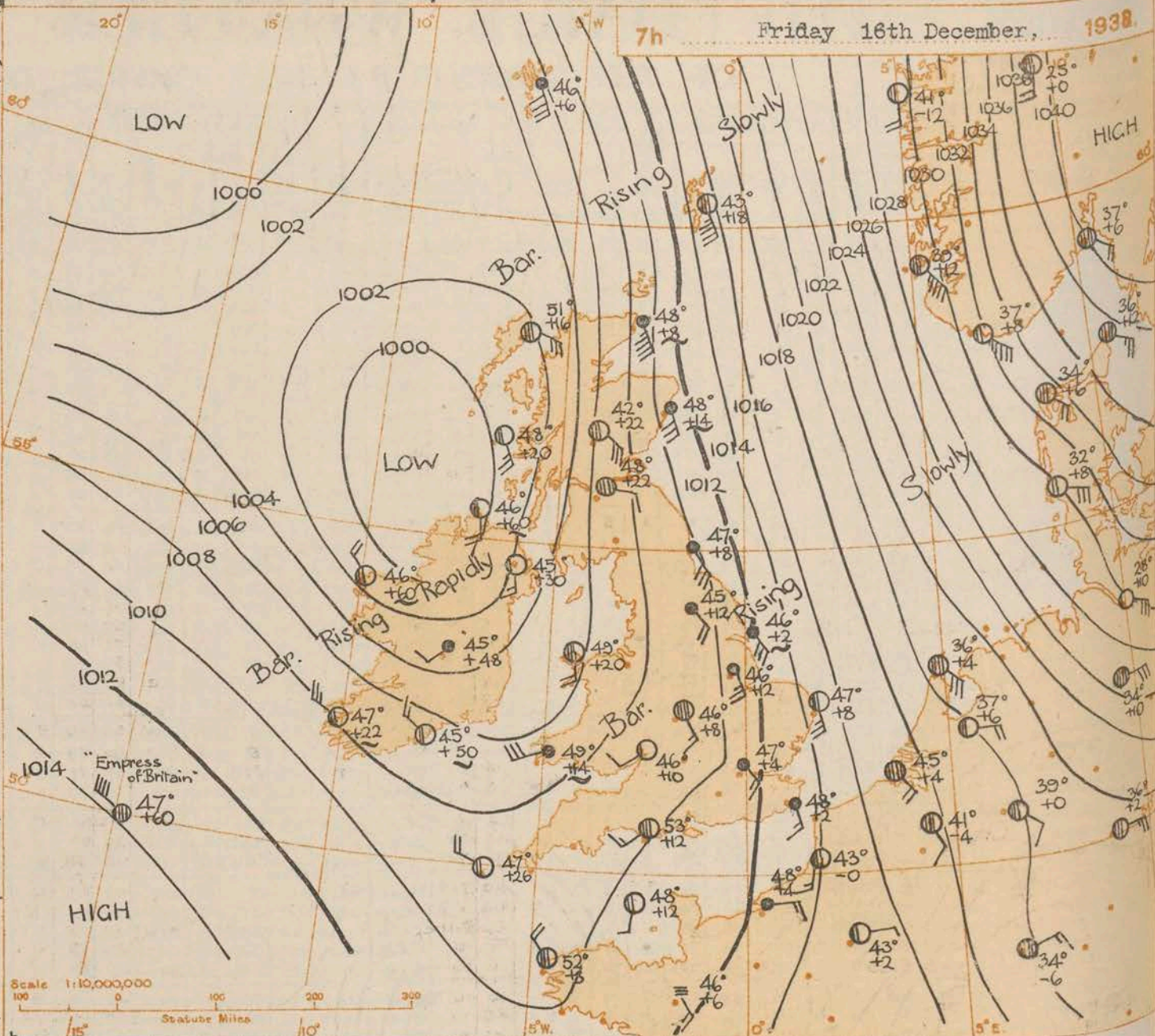
Thursday, 15th December, 1938.
No. 28147.

OBSERVATIONS at 1 hr. G.M.T. 15th December														OBSERVATIONS at 7 hr. G.M.T. 15th December														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUNSHINE. 1st Hr. (36)	
					Direc.	Force 0-12 (4)					Form.	Amount. 0-10 (12)	Height of Base. (feet) (14)	Direc.	Force 0-12 (18)			Form.	Amount. 0-10 (25)					Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)			Night 18h-7h mm. (35)						
																																Low (9)	Med. (10)	High (11)	Low (23)		Med. (24)	High (25)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	1017.2	-8	-	0	F	41	32	1	-	-	-	10	10	450	1	*	53	37	32	0.5	0.1	0.0			
	Croydon	217	1019.1	0	-	0	f	41	37	2	-	-	1017.5	-10	-	0	f	41	37	2	-	-	-	10	10	450	1	*	53	38	36	1	Tr	0.0			
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	1017.2	-6	-	0	m	37	37	4	5	-	-	10	10	800	1	*	53	32	32	0.6	0.2	0.5			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	1017.0	-10	E'S	3	bf	36	37	2	5	-	-	10	10	2500	1	*	52	28	26	0.1	0.1	1.4			
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	1017.6	-2	NW	1	f	40	37	2	5	-	-	10	10	450	1	1	54	34	33	0.1	Tr	0.0			
	Lympe	346	1019.2	+2	N'E	1	rf	48	37	2	-	-	1018.4	-8	SSE	2	c/f	48	37	5	5	-	-	3+	3+	450	1	2	51	44	38	1	2	0.0			
	Manston	154	1018.9	+4	-	0	of	47	37	3	5	-	1017.9	-6	S'E	2	bcd	48	37	6	5	4	-	2-3	2-3	4000	1	*	52	46	43	0.5	1	0.0			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	1017.3	-10	-	0	f	47	37	3	-	-	-	10	10	450	1	*	52	40	34	0.6	Tr	0.0			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	1017.3	-6	S'E	2	cf	48	37	3	5	2	-	7-8	10	1500	1	2	50	44	38	0.1	0.2	0.0			
	Gorleston	5	1018.7	+6	NW	1	f	48	37	2	-	-	1017.9	-2	-	0	F	45	37	0	-	-	-	10	10	450	1	2	52	44	43	2	0.2	0.0			
	Mildenhall	19	1018.7	+4	-	0	bf	35	37	1	-	-	1017.7	-6	-	0	F	36	37	1	-	-	-	10	10	450	1	*	52	32	32	Tr	0.1	0.0			
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	1017.4	-8	SSE	1	bf	32	37	1	-	-	-	0	0	-	1	*	52	29	22	2	Tr	0.1			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	1014.8	-10	SSE	2	F+	36	37	1	-	-	-	10	10	450	1	*	51	35	30	0.2	-	4.1			
	Upper Hayford	408	*	*	*	*	*	*	*	*	*	*	1017.6	-6	ESE	1	nyf	31	32	4	5	-	-	10	10	1500	1	*	53	28	24	0.2	-	5.2			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	1015.3	-20	NNE	2	z	35	35	6	-	-	-	1	0	-	1	*	52	28	24	-	-	5.0			
5	Hartland Point	299	1016.4	-2	SSE	3	bc	44	32	8	3	-	1010.7	-30	SE	4	c	45	32	8	5	-	-	3+	3+	1500	1	3	51	41	39	-	-	4.5			
	Bristol	209	*	*	*	*	*	*	*	*	*	*	1015.7	-18	S'E	3	z	35	37	6	5	-	-	2-3	2-3	2500	1	*	52	28	21	-	-	4.3			
	Portland Bill	32	1017.8	+2	E	3	b	45	85	8	-	-	1018.1	-18	E	3	c	61	32	8	5	-	-	4-6	7-8	2500	1	3	53	43	*	Tr	-	4.3			
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	1018.4	-20	SSE	4	c	50	35	6	5	3	-	4-6	7-8	2500	1	3	54	41	37	Tr	-	6.0			
	The Lizard	240	1016.4	-6	SSE	4	bc	43	85	8	4	-	1011.3	-30	S'E	5	c	50	35	8	5	7	-	4-6	7-8	2500	1	3	55	48	*	0.5	1	4.0			
	Scilly (St. Mary's)	183	1014.6	-14	S'W	5	bc	43	85	8	4	4	1007.9	-40	S	6	c	50	35	8	5	*	*	10	10	1500	1	3	53	45	*	1	Tr	3.7			
	Guernsey	175	1017.8	+2	-	0	b	41	37	6	-	-	1016.1	-10	SSE	3	bc	49	32	8	7	3	-	4-6	4-6	2500	1	2	55	39	31	0.5	-	4.0			
6	Pembroke	142	1014.7	-6	S'E	5	bc	50	32	7	5	-	1009.4	-22	SSE	7	cq	49	35	7	8	-	-	3	3	1500	1	3	52	48	*	0.1	-	4.6			
7	Holyhead	26	1014.0	-6	S	4	b	47	32	7	-	-	1003.2	-32	S'E	5	c	47	35	5	-	7	8	0	3	-	1	3	51	45	41	0.1	-	4.7			
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	1014.1	-24	ESE	4	f+	35	37	3	-	-	-	10	10	450	1	*	55	35	31	-	Tr	3.6			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	1014.8	-18	E'S	3	z	36	37	5	-	-	-	0	0	-	1	*	53	34	25	0.3	-	1.6			
10	Spurn Head	29	1018.2	+4	-	0	bf	41	37	1	*	*	1017.6	-4	-	0	bif	41	37	6	-	-	-	0	0	-	0	1	49	39	*	4	Tr	0.0			
	Catterick	175	*	*	*	*	*	*	*	*	*	*	1016.4	-12	S'E	3	b	31	37	1	-	-	-	10	10	450	1	*	52	28	27	2	-	3.1			
	Tynemouth	108	1017.9	+6	WSW	2	bc	40	32	5	5	-	1015.9	-12	SW	2	bcd	35	37	2	5	-	-	4-6	4-6	1500	1	1	51	34	33	2	-	0.0			
11	St Abbs Head	280	1015.6	0	SSE	2	b	39	32	8	-	-	1014.6	-10	S	4	bc	40	35	8	-	3	-	0	2-3	-	0	2	49	36	*	2	-	0.8			
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	1013.2	-12	SE	3	b	41	35	8	-	-	1	0	1	-	1	*	50	34	26	1	-	1.4			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	1010.5	-20	ESE	3	z	42	35	6	-	-	7	0	3+	-	1	*	51	38	30	1	-	0.5			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	1013.0	-18	SSE	3	b	37	35	7	-	4	-	0	Tr	-	3	*	48	33	25	1	0.2	4.8			
	Point of Ayre	30	1014.6	0	SSW	3	b	45	32	8	4	-	1009.9	-16	S'E	6	bc	47	35	8	4	-	4	4-6	4-6	2500	0	3	51	39	*	0.3	-	4.8			
13a	Tiree	22	*	*	*	*	*	*	*	*	*	*	1001.7	-12	SSE	8	id	49	35	7	5	-	-	7-8	7-8	1500	0	*	47	44	42	-	Tr	4.6			
13b	Stornoway	80	1006.6	+12	S	7	bc	47	75	7	5	-	1004.7	-14	SE	6	c	48	65	7	5	1	-	4-6	3+	4000	1	3	50	45	*	3	2	0.8			
16	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	1010.2	-22	SE	6	c	38	32	7	4	2	-	4-6	0	1500	0	*	46	37	30	3	-	0.0			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	1014.4	-6	S'E	3	b	46	35	6	-	-	8	0	Tr	-	1	2	49	39	30	3	-	0.0			
	Wick	81	1011.9	+12	SSE	5	bc	46	75	7	5	7	1012.1	0	SSE	8	b	46	35	7	5	-	-	Tr	Tr	1500	1	4	49	44	*	0.2	-	0.0			
16	Lerwick	156	1013.1	+20	SSE	7	bc	47	75	8	8	-	1015.4	+18	SSE	7	c	47	75	8	8	3	-	4-6	7-8	1500	1	*	50	47	*	2	1	0.0			
17	Blackad Point	18	999.2	-40	S	5	c	45	35	7	3	-	991.5	-24	S	6	cq	49	32	7	3	-	-	10	10	450	2	5	50	44	*	1	10	4.1			
18	Malin Head	84	1006.3	-16	S	5	b	42	35	7	-	-	997.3	-70	S	6	gr	47	35	6	6	2	-	4-6	10	2500	1	4	45	39	*	-	1	5.6			
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	1003.5	-38	S	6	c	49	75	7	5	1	-	4-6	10	1500	1	*	46	40	33	-	-				

DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 15th December.														OBSERVATIONS at 18h. G.M.T. 15th December.														PAST 24 HOURS.									
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					State of Ground. 0-9	Sea. 0-9	WEATHER.									
				Dir.	Force 0-12					Low	Med.	High	Low 0-10	Total 0-10			Height of Base (feet)	Dir.					Force 0-12	Low	Med.	High	Low 0-10			Total 0-10	Height of Base (feet)	7h.—13h. 15th.	13h.—18h. 15th.	18h.—1st 16th.	1st.—7h. 16th.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
1	London (Kew) ...	1014.6	-2.0	SE	3	cl	50	85	5	8	9	1	7-8	9	1500	1013.2	-2.0	SE	2	z	48	85	5	4	-	-	7-8	7-8	2500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Croydon ...	1015.1	-1.4	SE	3	z	51	85	5	4	1	7-8	9	1500	1013.4	-2.0	SE	3	z	48	85	5	5	7	-	-	7-8	10	2500	1	*	ofefcm	cmcm	cmcm	cmcm				
	S. Farnborough ...	1014.2	-1.8	SE	2	z	48	97	7	5	3	-	7-8	9	1500	1012.2	-1.0	SE	3	z	47	85	5	2	-	-	7-8	10	4000	1	*	ofefcm	cmcm	cmcm	cmcm				
	Boscombe Down ...	1012.6	-2.6	SE	5	cl	48	92	7	9	3	6	7-8	9	1500	1010.4	-1.0	SE	4	z	47	92	7	5	2	-	7-8	10	800	1	*	ofefcm	cmcm	cmcm	cmcm				
	Calshot (Stmnt.) ...	1014.8	-1.0	SE	4	cl	49	85	5	8	-	5	4-6	9	2500	1012.4	-1.0	SE	5	z	50	85	5	5	-	-	10	0	800	1	*	ofefcm	cmcm	cmcm	cmcm				
	Lymington ...	1013.7	-1.0	SE	3	cl	50	97	5	7	-	5	9	9	450	1015.8	-4.0	SE	2	z	48	92	5	5	2	-	7-8	9	4000	1	*	ofefcm	cmcm	cmcm	cmcm				
	Manston ...	1013.0	-1.6	SE	3	z	50	92	5	-	-	-	10	10	1500	1015.1	-4.0	SE	4	z	50	85	5	5	-	-	7-8	7-8	2500	1	*	ofefcm	cmcm	cmcm	cmcm				
2	Shoeburyness ...	1015.5	-1.2	SE	3	cl	50	92	5	-	-	-	10	10	1500	1014.8	-2.0	SE	3	z	49	92	7	5	3	-	4-6	9	2500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Felixstowe ...	1013.0	-1.8	SE	3	z	49	97	5	-	-	-	10	10	2500	1015.3	-2.0	SE	4	z	49	92	5	5	-	-	3	9	2500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Gorleston ...	1013.2	-1.6	SE	3	z	49	97	5	-	-	-	10	10	1500	1015.3	-2.0	SE	3	z	47	97	5	5	-	-	7-8	7-8	2500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Mildenhall ...	1014.9	-1.4	SE	3	z	49	97	5	-	-	-	10	10	4000	1015.8	-2.0	SE	3	z	48	92	5	5	-	-	2-3	2-3	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Cranwell ...	1014.2	-1.8	SE	2	z	48	97	5	-	-	-	10	10	4150	1012.0	-4.0	SE	4	z	44	92	4	5	-	-	3	3	450	1	*	ofefcm	cmcm	cmcm	cmcm				
3	Birmingham ...	1011.8	-2.4	SE	3	cl	42	97	4	5	-	-	10	10	220	1008.8	-8.0	SE	4	z	45	92	5	5	-	-	10	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Upper Heyford ...	1014.5	-1.8	SE	2	z	44	97	4	5	-	-	10	10	220	1011.6	-2.0	SE	2	z	46	92	5	5	-	-	10	10	800	1	*	ofefcm	cmcm	cmcm	cmcm				
4	Ross-on-Wye ...	1009.9	-2.6	SE	3	cl	48	85	5	-	-	-	7-8	10	1500	1007.2	-1.2	SE	4	z	47	92	5	5	-	-	10	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
5	Dartland Point ...	1005.2	-3.6	SE	3	cl	49	92	7	-	-	-	10	10	800	1002.2	-3.0	SE	5	z	50	92	8	5	2	-	2-3	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Bristol ...	1011.0	-3.0	SE	3	cl	48	85	7	5	7	-	7-8	9	1500	1007.4	-3.6	SE	5	z	48	92	7	5	2	-	4-6	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Portland Bill ...	1011.1	-2.0	SE	4	cl	51	92	8	5	7	-	7-8	10	2500	1007.8	-3.3	SE	5	z	52	92	7	5	-	-	10	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Plymouth ...	1007.7	-3.4	SE	3	cl	51	85	5	2	-	-	3	10	800	1004.8	-2.9	SE	3	z	51	85	7	8	-	-	10	10	800	1	*	ofefcm	cmcm	cmcm	cmcm				
	The Lizard ...	1004.9	-3.2	SE	8	cl	52	97	7	8	2	-	4-6	7-8	1500	1003.2	-1.7	SE	7	z	52	92	7	8	-	-	7-8	7-8	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Scilly (St. Mary's) ...	1002.1	-3.0	SE	3	cl	52	97	5	2	-	-	7-8	10	1500	1001.4	-0.7	SE	5	z	51	85	5	8	-	-	2-3	2-3	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Guernsey ...	1012.0	-2.8	SE	5	cl	50	85	8	5	2	-	7-8	10	2500	1009.0	-3.0	SE	5	z	51	85	5	5	-	-	10	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
6	Pembroke ...	1002.8	-2.6	SE	8	cl	50	97	5	2	-	-	10	10	450	1000.5	-2.3	SE	7	z	52	92	7	5	2	-	7-8	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Holyhead ...	1004.0	-2.8	SE	5	cl	48	97	7	5	2	-	2-3	10	1500	1003.3	-0.7	SE	5	z	50	92	8	5	2	-	2-3	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Chester (Sealand) ...	1002.6	-3.0	SE	5	cl	44	85	5	1	-	-	7-8	9	2500	1005.8	-1.2	SE	5	z	47	92	5	5	-	-	2-3	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Manchester ...	1010.4	-2.6	SE	4	cl	46	85	5	7	-	-	4-6	7-8	4000	1005.5	-4.9	SE	4	z	47	85	5	5	-	-	7-8	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
10	Spurr Head ...	1014.4	-1.6	SE	3	cl	41	97	1	-	-	-	10	10	4150	1012.4	-2.0	SE	4	z	46	97	5	5	-	-	7-8	7-8	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Catterick ...	1012.8	-2.2	SE	1	cl	35	97	1	-	-	-	10	10	4150	1010.1	-2.7	SE	4	z	42	97	5	5	-	-	10	10	220	1	*	ofefcm	cmcm	cmcm	cmcm				
	Tynemouth ...	1012.4	-1.6	SE	3	cl	43	85	5	8	-	-	9	9	1500	1010.2	-2.2	SE	5	z	46	92	5	5	-	-	10	10	800	1	*	ofefcm	cmcm	cmcm	cmcm				
11	St. Abbs Head ...	1000.5	-2.4	SE	5	cl	42	85	5	5	5	-	4-6	7-8	2500	1007.8	-2.7	SE	5	z	43	92	5	5	2	-	7-8	10	1500	0	*	ofefcm	cmcm	cmcm	cmcm				
	Leuchars ...	1003.9	-2.2	SE	4	z	44	75	5	7	2	-	4-6	7-8	2500	1007.6	-4.0	SE	5	z	47	85	5	-	-	-	10	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
	Renfrew (Abbots) ...	1006.6	-2.2	SE	4	z	45	65	5	7	-	-	9	9	7200	1003.3	-3.3	SE	5	z	46	75	5	5	-	-	10	10	4000	1	*	ofefcm	cmcm	cmcm	cmcm				
	Esksdalemuir ...	1009.2	-2.6	SE	3	cl	41	75	5	2	-	-	7	7	1500	1006.2	-3.0	SE	4	z	42	85	5	-	-	-	10	10	800	1	*	ofefcm	cmcm	cmcm	cmcm				
	Point of Ayre ...	1005.2	-2.0	SE	7	cl	40	92	5	2	-	-	1	10	800	1001.5	-3.7	SE	7	z	47	97	5	-	-	-	10	10	800	1	*	ofefcm	cmcm	cmcm	cmcm				
13	Tice ...	997.4	-2.0	SE	8	cl	40	97	5	-	-	-	10	10	1500	995.7	-1.7	SE	7	z	48	92	5	-	-	-	10	10	1500	1	*	ofefcm	cmcm	cmcm	cmcm				
13	Stornoway ...	1002.5	-1.2	SE	5	cl	50	65	7	5	1	-	4-6	10	2500	999.9	-2.6	SE	7	z	48	55	7	5	2	-	7-8	10	2500	1	*	ofefcm	cmcm	cmcm	cmcm				
15	Dalwhinnie ...	1006.5	-2.0	SE	5	cl	48	85	8	4	5	-	4-6	10	2500	1005.1	-1.4	SE	5	z	40	85	7	3	2	-	4-6	10											

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 15h.	Max. 9h. to 15h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	opoe	co	38	50	Trace	0.5	0.0
	Bournemouth	bbce	cor	31	50	-	Trace	1.4
	Ventnor	bbe	co	44	52	-	-	2.9
	Southsea	bfb	bce	37	52	-	-	2.6
	Bognor Regis	fb	be	41	52	-	-	2.9
	Littlehampton	bcebe	bce	41	52	-	-	3.0
	Worthing	b	bbee	43	52	-	-	2.8
	Brighton	cbeb	bce	45	52	-	-	3.2
	Eastbourne	oebe	co	47	52	1	-	1.1
	Hastings	ode	e	47	51	1	0.0	0.0
	Folkestone	or	o	49	51	1	Trace	0.0
	Dover	o	oebee	50	52	0.3	-	0.0
2	Deal	o	o	48	51	0.3	-	0.0
	Ramsgate	co	e	48	50	Trace	-	0.0
	Margate	e	e	47	51	0.5	-	0.0
	Southend	e	e	44	50	Trace	-	0.2
	Clacton-on-Sea	com	oebe	44	49	Trace	-	0.0
	Dovercourt	bef	dee	45	49	0.6	Trace	0.0
3	Lowestoft	cmelr	crbeb	45	50	-	0.0	0.0
	Skegness	ffmo	o	32	49	0.5	Trace	0.0
	Mablethorpe	ofmo	o	30	47	Trace	Trace	0.0
	Cleethorpe	cfre	e	35	47	Trace	Trace	0.0
4	Leamington S.	ofe	co	29	48	-	-	0.0
	Cheltenham	we	cor	35	48	-	1	0.5
5	Bath	e	er	31	50	-	0.3	0.1
	Weymouth	e	cige	35	52	0.1	0.3	0.0
	Jersey	cbe	re	41	52	Trace	Trace	1.6
	Torquay	wcoq	oing	35	52	-	2	0.0
	Falmouth	ogrrq	orrdg	44	51	2	12	0.0
	Penzance	rqrr	rrge	43	54	0.5	8	0.0
	St. Ives	cor	ore	39	50	-	0	0.0
	Ilfracombe	bce	cor	43	51	-	4	0.0
6	Aberystwyth	eo	orr	42	52	-	2	0.0
	Llandudno	eo	orr	40	48	-	3	0.1
	Colwyn Bay	e	erro	38	48	-	2	0.0
	Rhyl	e	cig	38	47	-	0.2	0.0
8	Wallasey	bce	cor	37	45	-	2	0.0
	Southport	bce	cor	36	45	Trace	1	0.0
	Blackpool	cm	omr	37	43	0.3	2	0.0
	Morecambe	cm	omr	37	43	0.3	2	0.0
9	Ilkley	f	f	38	41	-	-	0.0
	Harrogate	ff	ffm	29	41	-	-	0.0
10	Berwick-on-T.	beb	emoc	37	47	-	-	1.5
	Dunbar	bex	em	37	46	-	-	1.2
11	Troon	co	co	40	48	-	-	0.0
	Douglas	be	beer	45	49	-	2	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th December, 1938.

1 S.E. England	Wind southeast moderate to fresh; cloudy, intermittent rain to-day.
2 E. England	Mild to-day temperature falling tomorrow.
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind light or moderate variable. Local showers with bright intervals to-day. Fog developing inland to-night. Mild.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	Wind southeast strong to gale, cloudy, intermittent rain. Mild to-day, temperature falling to-morrow.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 4 - 9.
13 A.W. Scotland & B.N.W. Scotland.	
14 Mid Scotland	As 10 - 11.
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	As 4 - 9.
19 S.E. Ireland	
20 S.W. Ireland	

† N Stationery Office Press, Liverpool R.C.2

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough: High.
BAROMETRIC CHANGES from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression to the northwest of Ireland is filling up rapidly and a large and intense anticyclone over Northern Russia is spreading westwards. A belt of rain along the eastern side of Great Britain is almost stationary, but will slowly disperse. It will remain mild to-day, but afterwards the temperature will fall.

FURTHER OUTLOOK.

Becoming colder.

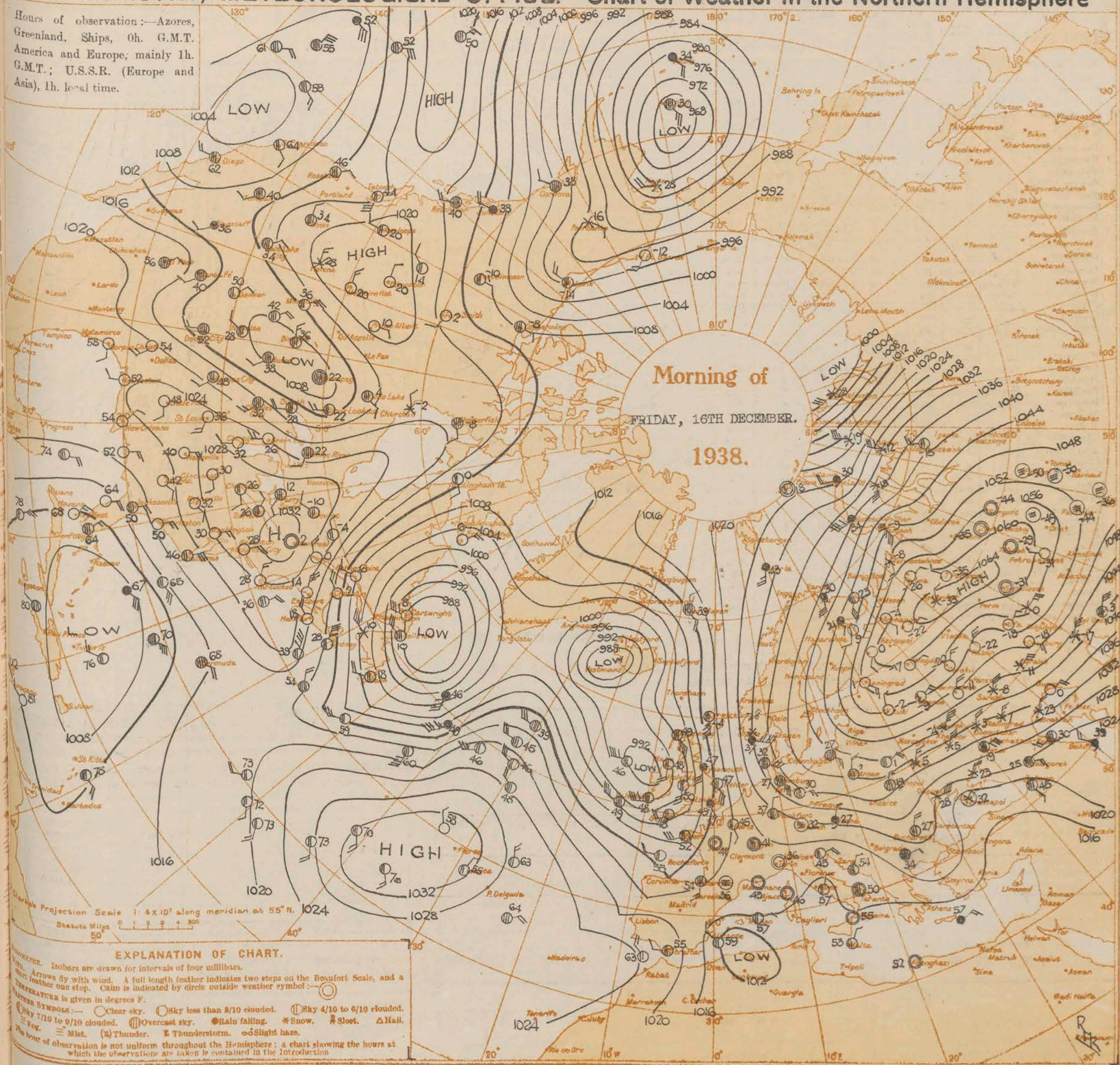
South Cone hoisted at 0200 on 12/12/38 in part of district 16; at 0200 on 15/12/38 in district 13B, and remainder of 16; and at 1440 on 15/12/38 in districts 10, 11 and part of 2.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe; mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 16th December														OBSERVATIONS at 7 hr. G.M.T. 16th December														PAST 24 HOURS.										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (8)	Humid. % (7)	Visibility. (6)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.					State of Ground. (28)	Sea. (29)	TEMPERATURE.			RAINFALL.		Sun. (35)		
					Direc.	Force.					Low.	Med.	High.	Low.	Total.			Direc.	Force.					Low.	Med.	High.	Low.	Total.			Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)			
																																					Form.	Amount.
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1012.0	+4	SSE	3	bc	48	32	6	6	2	-	7-8	10	1500	1	*	51	47	44	Tr	5	1.0			
	Croydon	217	1011.7	-6	SSE	3	bc	49	32	7	6	2	-	9	10	1500	1011.8	+4	SE	3	bc	47	32	7	6	2	-	7-8	10	1500	1	*	52	47	45	Tr	3	1.0
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1011.1	+10	SE'S	2	bc	49	37	6	5	-	-	10	10	800	1	*	49	47	45	Tr	45	0.2			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1010.4	+10	SSE	3	c/r	45	37	7	5	-	-	9+	9+	800	1	*	48	44	41	0.2	5	0.7			
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	1011.0	+12	S'E	4	c	50	37	8	5	7	-	4-6	9+	2500	1	3	51	49	47	0.4	9	2.7			
	Lympe	346	1014.5	-6	SE'E	4	c	49	35	8	5	-	-	9+	9+	1500	1014.4	+2	SSE	3	bc	48	35	7	5	2	-	9	10	800	1	3	50	47	43	Tr	9	0.0
	Manston	154	1013.9	-3	SSE	3	c	48	35	7	5	-	-	7-8	7-8	4000	1014.4	+6	SE'S	3	c	47	35	7	5	-	-	9	9	1500	1	*	51	46	43	0.1	-	0.0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1013.4	+4	SE'S	3	bc	49	35	7	5	-	-	10	10	1500	1	*	51	47	42	Tr	Tr	0.0			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1014.3	+4	SE'S	3	bc	47	32	6	5	-	-	Tr	Tr	2500	1	3	50	50	44	Tr	Tr	0.0			
	Gorleston	5	1014.2	-2	S'E	5	bc	47	32	6	5	-	-	2-3	2-3	2500	1014.6	+8	S'E	5	c	47	32	6	5	-	-	9+	9+	2500	1	3	50	46	45	Tr	Tr	0.0
	Mildenhall	19	012.1	-6	SE'S	4	c	47	35	7	5	7	-	7-8	9+	2500	1012.8	+6	SE	4	bc	47	32	7	-	2	-	10	10	5700	1	*	50	42	39	Tr	0.2	
	Granwell	240	*	*	*	*	*	*	*	*	*	*	*	1011.4	+12	SSE	5	Tr	46	37	6	5	2	-	3	10	1500	1	*	45	43	41	0.1	-	0.0			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1009.3	+8	SSE	3	c	46	37	6	6	-	-	10	10	800	1	*	46	44	43	2	10	0.0			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1010.0	+10	SE	2	bc	46	37	6	5	-	-	10	10	1500	1	*	47	45	43	Tr	Tr	0.0			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1008.3	+10	SW	2	bc	46	32	7	5	2	1	Tr	1	2500	1	*	48	46	39	3.8	7	0.9			
5	Hartland Point	299	1003.7	+6	SSW	4	bc/pr	49	32	8	5	4	-	2-3	2-3	1500	1007.2	+20	W	5	bc	49	32	8	3	-	-	2-3	2-3	2500	1	4	50	47	44	7	0.0	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1003.5	+10	S'W	2	bc	44	32	7	5	-	-	4-6	4-6	1500	1	*	49	43	34	0.3	4	0.2			
	Portland Bill	32	1007.0	+2	SSW	4	0	52	32	7	5	-	-	10	10	1500	1007.3	+12	SW	3	c	53	32	7	5	-	-	7-8	7-8	2500	1	3	54	49	*	0.1	4	0.0
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1009.2	+18	SW	1	bc	49	35	7	5	-	-	2-3	2-3	2500	1	1	54	49	44	7	Tr	0.0			
	The Lizard	240	1005.0	+12	WSW	4	bc	49	35	8	8	6	-	4-6	4-6	2500	1008.3	+20	W	4	bc	48	35	8	3	-	-	2-3	2-3	2500	1	3	52	48	*	11	3	0.0
	Scilly (St. Mary's)	163	1004.3	+18	WSW	4	bc/pr	48	35	8	3	-	-	2-3	2-3	1500	1008.3	+26	WNW	4	bc	47	35	8	2	4	-	2-3	2-3	2500	1	3	54	47	*	11	3	0.0
	Guernsey	175	1008.4	0	S	3	bcq	51	37	6	5	-	-	4-6	4-6	1500	1010.3	+12	SSW	1	bc	48	32	7	2	3	-	2-3	4-6	2500	1	3	52	43	39	Tr	4	1.9
6	Pembroke	142	1002.5	+6	S'W	5	pr	49	32	7	8	-	-	4-6	4-6	2500	1006.2	+14	W'S	6	pr	49	35	7	8	-	-	4-6	4-6	2500	1	4	52	47	*	10	2	0.0
7	Holyhead	26	1001.8	+4	S	5	bc	50	32	7	5	-	-	2-3	2-3	4000	1004.3	+20	S	4	c/pr	49	37	8	3	3	-	2-3	7-8	2500	1	2	50	48	45	7	Tr	0.0
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1007.9	+16	ESE	1	m	48	37	4	5	-	-	10	10	800	1	*	47	45	40	1	1	0.1			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1008.4	+12	SSE	3	bc	49	35	7	5	-	-	4-6	4-6	2500	1	*	47	46	42	1	2	0.7			
10	Spurn Head	29	1011.4	-4	SE'S	6	c	47	32	7	5	-	-	10	10	2500	1011.8	+2	SE'S	6	Tr	46	32	6	5	-	-	10	10	800	1	4	47	45	*	0.4	1	0.0
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1009.3	+12	SE'S	4	Tr	45	37	5	5	-	-	10	10	450	1	*	42	42	42	Tr	15	0.0			
	Tynemouth	108	1003.8	+2	S	6	Tr	47	35	7	-	2	-	10	10	1500	1003.2	+8	SSE	6	Tr	47	32	6	-	2	-	10	10	1500	1	3	47	45	42	-	5	0.0
11	St Abbs Head	280	1006.5	0	SE	8	Tr	46	32	5	3	-	-	10	10	800	1007.7	+10	SE	8	Tr	46	37	6	3	-	-	10	10	800	1	5	46	44	*	-	5	1.6
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1008.1	+10	ESE	5	bc	48	32	6	6	2	-	9+	10	800	1	*	47	45	44	-	6	1.0			
12	Benfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	1006.1	+22	ESE	2	bc	48	35	5	5	-	-	10	10	2500	1	*	46	46	42	Tr	1	0.0			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1007.2	+12	SSE	4	c	45	32	6	5	-	-	10	10	800	1	*	44	42	41	0.1	2	1.1			
	Point of Ayre	30	1002.2	+6	S'E	6	c	49	32	7	8	-	-	7-8	7-8	1500	1005.6	+16	S'W	4	c	49	32	7	8	-	-	7-8	7-8	1500	1	3	47	46	*	6	1	0.0

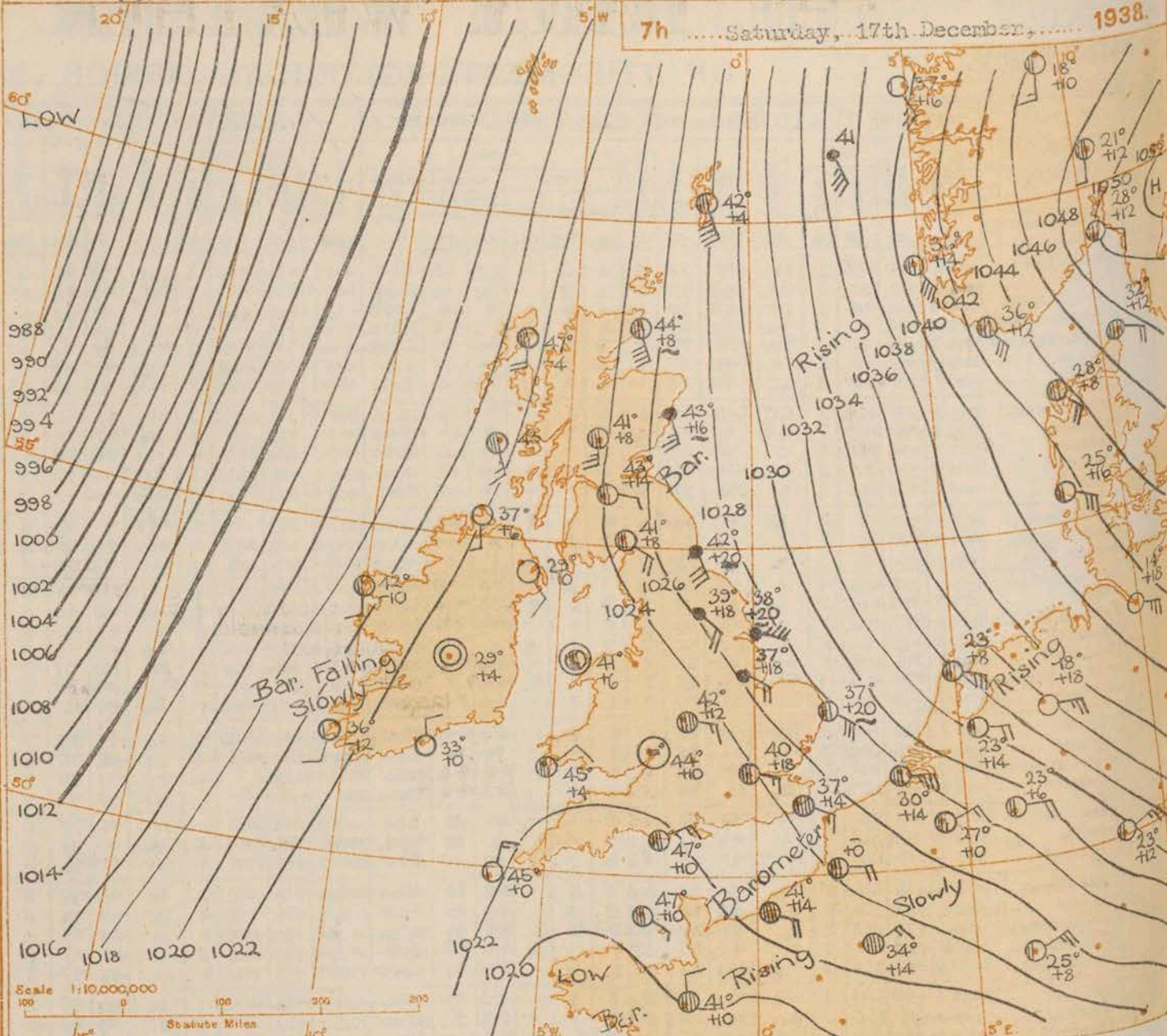
DISTRICT.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 16th December														OBSERVATIONS at 18h. G.M.T. 16th December														PAST 24 HOURS.					
		Barom. at m.s.l.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.					Barom. at m.s.l.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.					State of Ground.	Sea.	WEATHER.					
				Dir.	Force.					Low.	Med.	High.	Low 0-10.	Total 0-10.			Height of Base (feet).	Low.					Med.	High.	Low 0-10.	Total 0-10.	Height of Base (feet).			State of Ground.	Sea.	7h.—13h. 16th.	13h.—18h. 16th.	18h. to 1h. 17th.	1h.—7h. 17th.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)		
1	London (Kew)	1014.6	+10	SE	2	rr	48	97	4	6	2	-	2-3	10	800	1017.7	+20	ESE	2	rr	48	92	6	6	2	-	1	10	800	1	*	cr,rr	cr,rr	cr,rr	cr,rr
	Croydon	1014.5	+12	SE	3	rr	48	97	6	6	2	-	7-8	10	1500	1017.4	+20	SE	3	rr	47	92	5	6	2	-	9+	10	800	1	*	cr,rr	cr,rr	cr,rr	cr,rr
	S. Farnborough	1014.0	+10	SE	2	rr	48	97	6	5	2	-	7	10	1500	1017.1	+20	ESE	2	c	47	97	6	5	-	-	10	10	800	1	*	cr,rr	cr,rr	cr,rr	cr,rr
	Boscombe Down	1013.4	+10	-	0	bc	53	75	7	2	4	8	1-3	4-6	2500	1016.8	+14	-	0	2	45	97	6	5	-	-	2-3	2-3	2500	1	*	cb,cb	bc,cm	bc,cm	cd,cd
	Calshot (Stmntn.)	1013.8	+10	S	1	pr	51	92	7	8	7	3	4-6	9	2500	1016.6	+10	ENE	2	bc/r	49	97	6	8	-	-	4-6	4-6	2500	1	1	cd,pr	cd,pr	cd,pr	cd,pr
	Lympe	1016.7	+6	SE	3	rr	46	97	5	6	2	-	7+	10	220	1019.1	+18	ESE	3	rr	45	97	4	6	-	-	10	10	450	1	3	cr,rr	cr,rr	cr,rr	cr,rr
	Manston	1016.7	+8	SE	3	rr	46	92	6	6	2	-	7-8	10	800	1019.1	+20	ESE	3	rr	45	97	5	6	-	-	10	10	450	1	*	cr,rr	cr,rr	cr,rr	cr,rr
2	Shoeburyness	1015.8	+8	SE	3	rr	48	97	6	6	2	-	9	10	2500	1018.4	+18	SE	3	rr	46	92	6	-	2	-	10	10	2500	1	*	cr,rr	cr,rr	cr,rr	cr,rr
	Felixstowe	1016.8	+6	SE	3	rr	47	97	6	5	2	-	9	10	1500	1019.6	+20	SE	3	rr	47	92	5	-	2	-	10	10	1500	1	3	cr,rr	cr,rr	cr,rr	cr,rr
	Gorleston	1017.3	+10	SE	5	c	48	85	5	5	-	-	10	10	2500	1019.9	+24	SE	6	c	46	85	6	5	-	-	10	10	2500	1	4	cr	cr	cr	cr
	Mildenhall	1015.7	+10	SE	3	rr	48	92	6	6	2	-	9+	10	1500	1018.7	+18	SE	3	rr	46	97	5	6	-	-	10	10	4000	1	*	cr,rr	cr,rr	cr,rr	cr,rr
	Cranwell	1014.6	+12	SE	3	rr	46	97	6	5	-	-	10	10	800	1018.0	+22	SE	3	rr	46	97	5	6	-	-	10	10	800	1	*	cr,rr	cr,rr	cr,rr	cr,rr
3	Birmingham	1013.4	+10	S	2	bc	49	85	6	7	3	-	2-3	4-6	1500	1017.4	+24	-	0	cf	45	97	3	5	3	-	4-6	9	2500	1	*	bc	bc	bc	bc
	Upper Heyford	1013.9	+10	SE	2	z	49	97	6	8	3	-	9	9+	800	1017.6	+28	ESE	2	cf	46	97	3	5	-	-	9+	9+	800	1	*	cr,rr	cr,rr	cr,rr	cr,rr
	Ross-on-Wye	1012.9	+12	SW	2	b	53	75	7	1	-	-	1	1	4000	1017.0	+26	WS	1	m	43	92	4	5	-	-	10	10	1500	1	*	bb	bb	bb	bb
4	Harland Point	1013.0	+18	WNW	4	c	48	92	8	3	6	-	2-3	7-8	2500	1017.0	+24	N	3	c	48	92	8	8	-	-	7-8	7-8	2500	1	3	bc	bc	bc	bc
	Bristol	1013.5	+14	WNW	2	bc	51	75	7	8	3	-	2-3	4-6	2500	1017.0	+22	W	1	fg	40	92	6	5	4	-	2-3	4-6	2500	1	*	bc	bc	bc	bc
	Portland Bill	1012.7	+18	NW	3	c	52	92	7	5	-	-	4-6	7-8	2500	1016.6	+20	NNE	3	c	47	92	7	5	-	-	7-8	7-8	2500	1	3	bc	bc	bc	bc
	Plymouth	1013.2	+12	W	1	c	52	75	8	2	-	2	1	7-8	2500	1016.6	+22	NNE	1	bc	45	85	8	8	-	-	2-3	2-3	1500	1	1	bc	bc	bc	bc
	The Lizard	1013.7	+16	WNW	3	bc	50	85	8	8	6	-	4-6	4-6	2500	1017.3	+16	NW	3	pr	50	97	8	8	2	-	7-8	7-8	1500	1	1	bc	bc	bc	bc
	Scilly (St. Mary's)	1014.4	+24	NW	4	c	50	75	8	8	6	3	4-6	9	1500	1018.1	+18	N	4	bc/pr	47	85	8	8	-	-	4-6	4-6	1500	1	3	bc	bc	bc	bc
	Guernsey	1012.7	+10	W	1	c	52	85	7	2	3	-	4-6	7-8	2500	1015.9	+20	NNW	1	bc	48	85	6	8	-	-	4-6	4-6	2500	1	2	bc	bc	bc	bc
6	Pembroke	1013.2	+16	NW	3	bc/pr	49	85	8	8	6	1	2-3	4-6	2500	1016.3	+16	NNW	2	bc	47	85	7	5	-	-	4-6	4-6	2500	1	2	bc	bc	bc	bc
7	Holyhead	1010.6	+28	WSW	3	pr	48	85	8	8	-	-	9+	9+	1500	1016.5	+30	NNW	3	bc	48	75	8	7	-	-	4-6	4-6	4000	1	2	bc	bc	bc	bc
	Chester (Sealand)	1012.7	+18	SE	3	z	49	85	6	5	7	-	4-6	4-6	2500	1017.1	+28	-	0	z	47	85	5	5	-	-	9	9	5700	1	*	bc	bc	bc	bc
8	Manchester	1012.8	+14	SE	3	z	51	85	5	5	3	-	2-3	4-6	4000	1017.1	+26	S	1	z	47	92	5	5	3	-	7-8	10	2500	1	*	bc	bc	bc	bc
10	Spurn Head	1016.3	+12	SE	5	rr	46	92	6	5	-	-	10	10	800	1018.2	+12	SE	6	rr	46	97	6	5	-	-	10	10	800	2	4	rr	rr	rr	rr
	Catterick	1013.4	+10	SE	3	o/r	46	97	5	5	-	-	10	10	450	1017.8	+26	SE	3	z	47	97	5	5	-	-	10	10	450	1	*	rr	rr	rr	rr
	Tynemouth	1013.6	+14	SE	5	c/r	47	85	6	6	-	-	10	10	800	1017.7	+20	SE	5	c/r	47	92	6	6	-	-	10	10	800	1	3	rr	rr	rr	rr
11	St. Abbs Head	1013.0	+16	SE	5	c/r	46	92	6	5	2	-	7-8	10	1500	1016.2	+16	SE	6	ir	46	97	5	3	2	-	7-8	10	800	1	5	rr	rr	rr	rr
12	Leuchars	1012.8	+22	SE	4	z	48	97	6	5	2	-	7-8	10	800	1016.8	+26	SE	4	z	48	92	6	5	3	-	7-8	9	4000	1	*	rr	rr	rr	rr
	Renfrew (Abbots I.)	1010.7	+24	ESE	2	z	51	75	6	8	2	8	7-8	9+	2500	1015.4	+32	ESE	1	m	44	92	4	4	-	-	4-6	4-6	2500	1	*	rr	rr	rr	rr
	Eskdalemuir	1011.5	+20	SSE	4	pr	46	92	6	8	-	2	4-6	7-8	800	1016.4	+30	SSE	2	c	45	92	6	5	-	-	10	10	800	1	*	rr	rr	rr	rr
	Point of Ayre	1010.0	+16	SSW	3	c/pr	50	92	8	8	-	-	9+	9+	2500	1015.5	+18	NW	2	c	48	97	8	5	-	-	9+	9+	2500	1	2	rr	rr	rr	rr
13	Tiree	1008.1	+40	SW	3	bc	48	85	8	8	6	-	2-3	4-6	2500	1014.5	+32	SW	1	bc	40	97	8	5	-	-	2-3	2-3	2500	0	2	bc	bc	bc	bc
13	Stornoway	1006.0	+18	SSE	6	pr	51	75	8	5	7	-	7-8	9	2500	1013.3	+32	S	5	pr	48	85	8	5	7	-	4-6	7-8	2500	1	3	pr	pr	pr	pr
16	Dalwhinnie	1010.6	+20	SE	4	rr	44	85	7	4	1	-	4-6	10	2500	1016.6	+28	S	3	c	44	92	6	4	2	-	4-6	9+	1500	1	*	rr	rr	rr	rr
	Aberdeen	1014.5	+18	SSE	5	rr	47	97	6	6	2	-	7-8	10	800	1018.7	+28	SSE	5	rr	46	97	5	6	2	-	9	10	800	1	4	rr	rr	rr</	

REPORTS from HEALTH RESORTS for 16th December, 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. to 16h.	Max. 9h. to 16h.	Night. 17h. to 9h.	Day. 9h. to 16h.	
1	Tunbridge W.	oro	oro	46	47	2	4	0.0
	Bournemouth	c	cfo	45	52	9	Trace	0.7
	Ventnor	rebc	berou	47	56	10	10	2.2
	Southsea	cbe	bc	45	53	9	-	1.8
	Bognor Regis	oirc	bc	43	53	8	3	1.5
	Littlehampton	c	bcpc	43	52	8	Trace	0.4
	Worthing	cir	cir	46	50	11	3	0.0
	Brighton	irrc	dec	48	50	9	1	0.0
	Eastbourne	rr	rr	48	50	4	3	0.0
	Hastings	orr	rr	47	51	3	4	0.0
2	Folkestone	or	oro	47	48	2	3	0.0
	Dover	or	ro	47	49	0.5	2	0.0
	Deal	or	ro	47	48	-	0.5	0.0
	Ramsgate	or	ro	47	48	-	0.3	0.0
	Margate	cd	cr	46	48	-	1	0.0
	Southend	orr	or	46	47	1	5	0.0
	Clacton-on-Sea	coir	orir	46	48	3	3	0.0
	Dovercourt	doct	doc	46	47	Trace	0.5	0.0
	Lowestoft	c	c	44	50	-	-	0.0
	Skegness	orr	orr	45	49	3	6	0.0
3	Mablethorpe	orr	orr	44	46	3	6	0.0
	Cleethorpes	or	or	34	46	3	5	0.0
	Leamington S.	o	c	36	53	3	-	1.1
	Cheltenham	cbe	bbe	38	52	6	-	4.6
	Bath	bbp	bbe	38	51	6	-	4.4
	Weymouth	bbcp	pc	46	53	7	0.3	2.7
	Jersey	rebc	bc	47	55	3	-	4.4
	Torquay	bmb	bbcbm	41	52	3	-	5.2
	Falmouth	bvber	bepog	42	52	-	1	3.4
	Penzance	bbcp	bcp	42	51	1	1	2.4
4	St. Ives	cbcp	cp	44	51	1	1	1.0
	Bude	roroc	bccid	45	50	9	0.1	2.7
	Ilfracombe	prbcc	crc	46	51	3	0.3	1.9
	Aberystwyth	bbc	crc	44	52	2	0.1	2.3
	Llandudno	bbc	bcco	44	53	0.3	-	3.2
	Colwyn Bay	bc	bccro	43	53	0.2	Trace	4.0
	Rhyl	mbc	bcp	39	50	1	0.3	2.2
	Southport	bmbc	bcp	45	52	2	Trace	2.5
	Blackpool	bcm	bocm	39	51	4	-	2.4
	Morecambe	ogo	po	33	48	13	0.4	0.0
5	Harrogate	c	e	31	47	13	Trace	0.0
	Berwick-on-T.	omro	gm.o	39	47	8	0.3	0.0
	Dunbar	cro	cm	39	48	6	0.3	0.0
	Troon	coc	pocor	44	50	0.5	0.3	0.6
	Douglas	bcir	bep	44	50	1	Trace	1.7
	Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.							

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Saturday, 17th December, 1938.



Scale 1:10,000,000
100 200 300 400
Statute Miles

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A large anticyclone over Russia is spreading southwestwards and very cold air from this source will spread over most of the Continent and at least Southeastern and Eastern England. Western districts of the British Isles will remain for a time under the influence of an Atlantic depression with mild rainy unsettled weather.

FURTHER OUTLOOK.

Very cold and dry in eastern and southern districts of England. Remaining mild and unsettled in extreme western districts.

Time of Issue of Gale Warnings.

South Cone hoisted at 0200 on 12-12-38 in part of dist 16; at 0200 on 15-12-38 in dist. 13, 15 and remainder of 16; at 1440 on 15-12-38 in dist. 10, 11 and part of 2, and at 0920 on 17-12-38 in remainder of 2 and part of district 1.

1000 G.M.T. N. K. JOHNSON, M.Sc., A.R.C.S. Director.

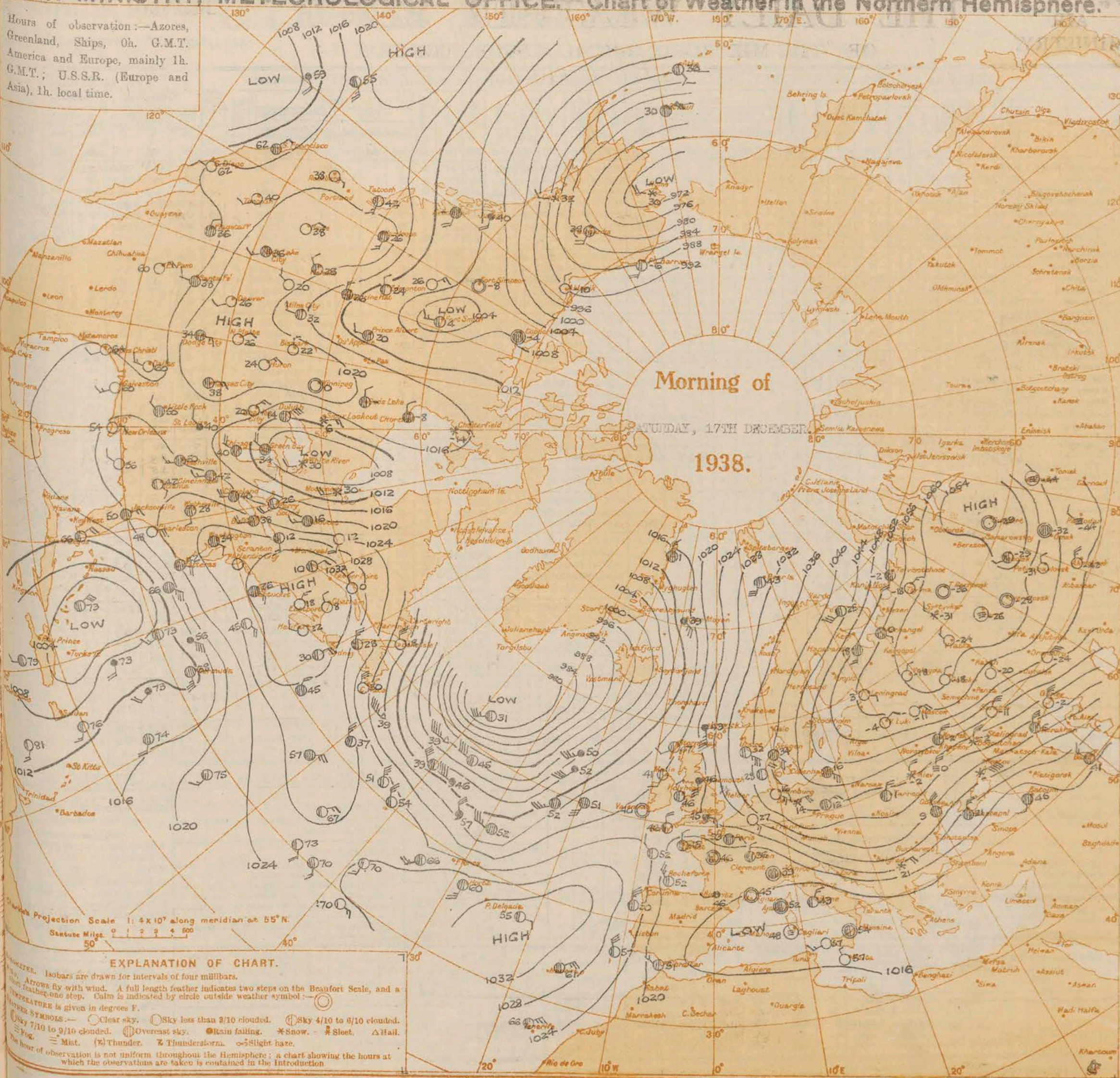
DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T., 17th December, 1938.
1 S.E. England	Wind east, fresh or strong, cloudy; cold with frost at night.
2 E. England	
3 E. Midlands	Wind easterly, moderate; occasional rain at first, cloudy later; temperature falling; fog locally at night.
4 W. Midlands	
5 S.W. England	
6 South Wales	Wind light, southerly or variable; cloudy; occasional rain; fog locally at night; temperature falling.
7 North Wales	
8 N.W. England	
9 N. Midlands	Wind southeast, fresh or strong, gale locally on east coasts; occasional rain or sleet; rather cold.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scot- land.	Wind south, strong to gale; cloudy; occasional rain; average temperature.
14 Mid Scotland	
15 N. E. Scotland	Gale from southeast to south, severe at times; occasional rain or sleet; temperature falling.
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	Wind south, moderate to strong; cloudy, occasional rain; average temperature.
19 S. E. Ireland	
20 S. W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2.

0.735/5394. Wc 5088. D. 3762. 15340 (2/38)

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



N. K. JOHNSON, M.Sc., A.R.C.S., Director.

THE DAILY WEATHER REPORT

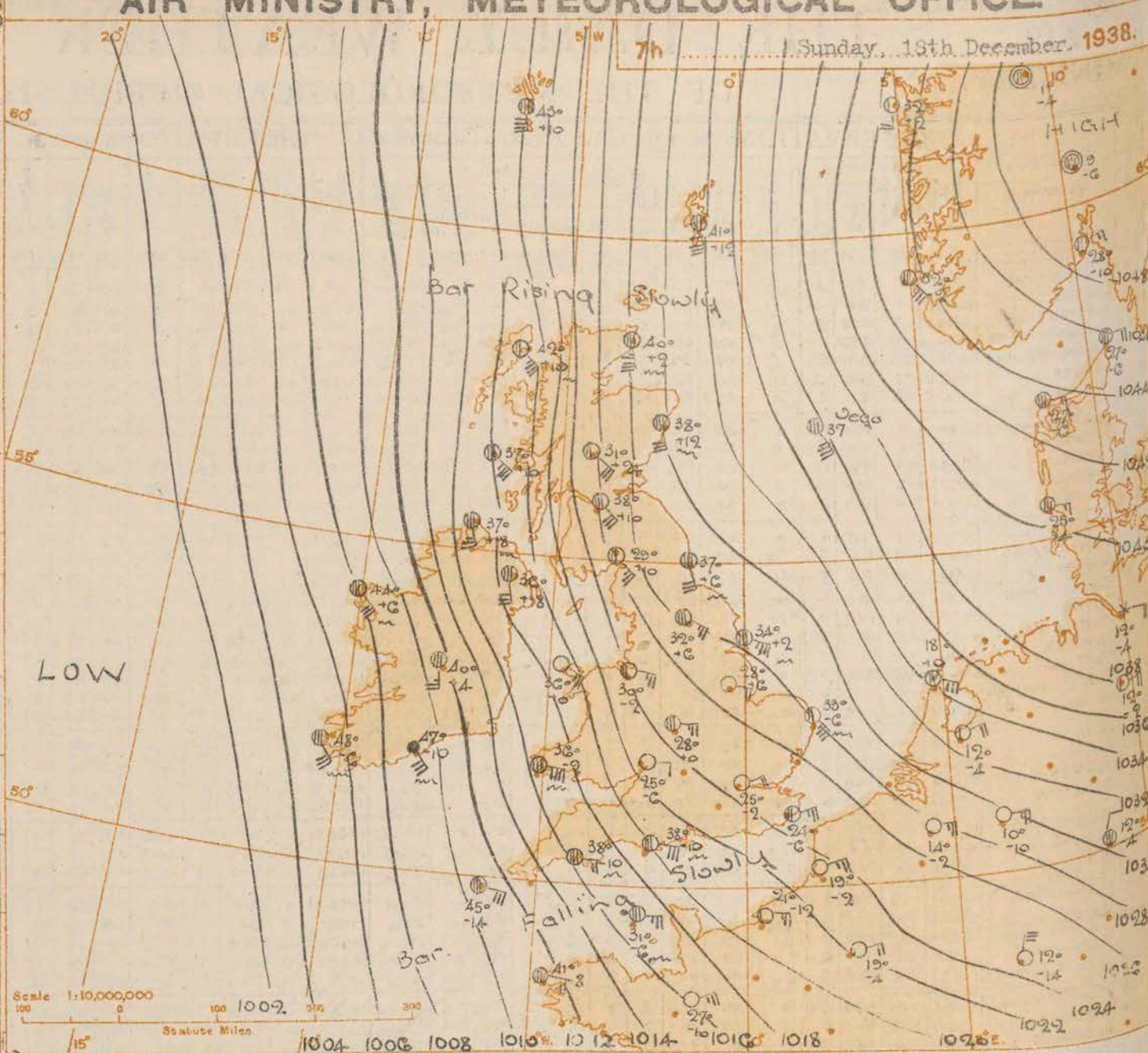
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday, 18th December, 1938.
No. 28150

STATIONS.	OBSERVATIONS at 13h. G.M.T. 17th December														OBSERVATIONS at 18h. G.M.T. 17th December														PAST 24 HOURS.																			
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visibility 0-10.	Cloud.					Height of Base (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	% Humid.	Visibility 0-10.	Cloud.					Height of Base (feet)	State of Ground.	Sea.	WEATHER.																	
			Dir.	Force 0-12.					Low.	Med.	High.	Low 0-10.	Total 0-10.				Low.	Med.					High.	Low 0-10.	Total 0-10.	Dir.	Force 0-12.				Low.	Med.	High.	Low 0-10.	Total 0-10.	Dir.	Force 0-12.	Low.	Med.	High.	Low 0-10.	Total 0-10.	Dir.	Force 0-12.	7h.-18h. 17th.	18h.-18h. 17th.	18h.-18h. 18th.	1h.-7h. 18th.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)															
For heights see p. 4.)																																																
1 London (Kew)	1025.7	0	E	3	bc	37	75	5	5	-	-	10	10	1500	1026.5	+0.8	ESE	3	C	33	65	7	5	-	-	7-8	7-8	2500	1	*	cr, m, em	em, e	cb, b	b														
Croydon	1025.7	+2	ESE	4	Z	35	85	6	5	-	-	10	10	1500	1026.5	+4	ESE	4	Z	31	92	6	5	-	-	7-8	7-8	1500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
S. Farnborough	1024.9	-2	ESE	3	Z	38	92	6	5	-	-	10	10	1500	1025.7	+3	ESE	4	Z	31	75	6	5	-	-	10	10	1500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Boscombe Down	1024.0	-2	ESE	4	Z	40	86	6	5	2	-	7-8	10	800	1024.8	+1.2	ESE	3	Z	35	85	6	5	-	-	10	10	800	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Calshot (Stmntn.)	1023.6	+2	ESE	5	Z	42	92	6	5	-	-	10	10	800	1024.4	+0.8	ESE	6	Z	35	85	6	5	-	-	10	10	800	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Lymington	1023.6	-2	ESE	3	Z	31	75	6	5	-	-	9	9	1500	1023.8	+0.2	ESE	5	Z	30	75	6	5	-	-	10	10	2500	3	3	cr, m, em	em, e	cb, m, x	bm, x														
Manston	1023.6	-2	E	4	Z	35	75	6	5	-	-	9	9	1500	1027.1	+2	ESE	5	Z	32	85	6	5	-	-	10	10	1500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
2 Shoreham	1027.1	0	ESE	4	C	35	76	7	5	-	-	10	10	1500	1027.6	+0.5	ESE	5	C	35	75	6	5	-	-	10	10	2500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Felixstowe	1028.1	-2	ESE	4	C	35	75	7	5	-	-	9	9	2500	1028.4	+0.3	ESE	5	C	35	75	6	5	-	-	10	10	2500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Gorleston	1028.8	-4	ESE	3	C	30	76	6	3	-	-	7-8	7-8	2500	1029.5	+0.7	ESE	3	C	30	75	6	5	-	-	10	10	4000	1	4	cr, m, em	em, e	cb, m, x	bm, x														
Mildenhall	1027.7	-2	ESE	5	C	35	76	7	5	-	-	10	10	2500	1028.2	+0.5	ESE	5	C	33	75	7	5	-	-	10	10	2500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Cranwell	1027.9	+4	ESE	4	C	34	75	6	5	-	-	10	10	1500	1028.0	+0.1	ESE	5	C	33	85	6	5	-	-	10	10	1500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
3 Birmingham	1025.0	-2	ESE	4	C	37	92	5	5	-	-	10	10	450	1026.8	+1.8	ESE	4	C	32	75	6	5	-	-	10	10	800	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Upper Heyford	1025.5	-2	ESE	3	C	33	97	4	5	-	-	10	10	450	1026.0	+0.5	ESE	4	C	32	75	7	5	-	-	10	10	1500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Ross-on-Wye	1025.1	0	ESE	3	C	42	85	6	5	1	-	9	10	800	1024.2	+0.9	ESE	3	C	35	85	6	5	-	-	10	10	800	1	*	cr, m, em	em, e	cb, m, x	bm, x														
4 Harland Point	1019.8	-20	E	4	bc	45	97	7	8	-	-	4-6	4-6	2500	1019.7	0	ESE	4	C/r	44	97	7	6	2	-	7-8	10	800	1	5	cr, m, em	em, e	cb, m, x	bm, x														
Bristol	1025.4	0	ESE	3	C	41	92	6	5	-	-	10	10	800	1024.0	+0.4	ESE	4	C	37	97	6	5	-	-	10	10	800	1	5	cr, m, em	em, e	cb, m, x	bm, x														
Portland Bill	1012.8	-10	E	5	pr	47	92	7	5	-	-	10	10	1500	1021.3	+0.8	ESE	5	C	43	92	7	5	-	-	10	10	2500	1	4	cr, m, em	em, e	cb, m, x	bm, x														
Plymouth	1020.0	-14	E	3	Z	42	83	6	3	3	-	2-3	2-3	1500	1020.2	+0.2	ESE	2	C	47	92	6	2	-	-	10	10	450	1	1	cr, m, em	em, e	cb, m, x	bm, x														
The Lizard	1020.3	-10	ESE	3	C	48	92	8	8	2	-	7-8	7-8	2500	1019.4	-0.9	ESE	1	C	47	92	7	8	-	-	7-8	7-8	2500	1	2	cr, m, em	em, e	cb, m, x	bm, x														
Scilly (St. Mary's)	1020.5	-10	E	0	C	50	75	8	8	4	-	4-6	7-8	1500	1018.8	-1.7	E	0	bc	44	85	8	5	4	-	2-3	2-3	1500	1	2	cr, m, em	em, e	cb, m, x	bm, x														
Guernsey	1020.1	-3	ESE	1	C	40	85	7	2	7	-	2-3	7-8	2500	1020.8	+0.7	ESE	3	C	44	85	6	5	-	-	10	10	2500	1	3	cr, m, em	em, e	cb, m, x	bm, x														
5 Pembroke	1020.8	-14	ESE	3	C	48	85	7	5	6	-	7-8	9	4000	1019.8	-1.0	ESE	3	C	46	97	5	8	2	-	7-8	10	1500	1	3	cr, m, em	em, e	cb, m, x	bm, x														
Holyhead	1020.7	-20	ESE	3	bc	47	85	6	5	-	-	2-3	2-3	4000	1021.0	+0.3	ESE	4	C	44	85	7	5	2	-	7-8	10	2500	1	1	cr, m, em	em, e	cb, m, x	bm, x														
Chester (Sealand)	1024.3	-10	ESE	3	C/r	40	92	5	6	2	-	9	10	800	1025.9	+1.6	ESE	4	C	35	85	6	6	2	-	9	10	1500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Manchester	1025.0	-2	E	5	bc	37	85	4	6	2	-	7-8	10	800	1026.0	+1.0	ESE	5	C	34	75	6	6	2	-	9	10	800	1	*	cr, m, em	em, e	cb, m, x	bm, x														
6 Spurn Head	1027.7	0	ESE	7	C/r	38	75	6	5	-	-	9	9	1500	1028.7	+1.0	ESE	7	C/r	38	75	7	6	-	-	4-6	4-6	1500	0	4	cr, m, em	em, e	cb, m, x	bm, x														
Catterick	1028.2	-2	ESE	3	C/s	30	75	7	6	2	-	4-6	10	450	1028.4	+0.2	ESE	3	C	34	75	7	5	-	-	9	9	1500	1	4	cr, m, em	em, e	cb, m, x	bm, x														
Tynemouth	1027.8	-4	ESE	6	C	40	75	6	6	-	-	10	10	800	1027.5	+0.3	ESE	6	C	39	65	7	9	-	-	7-8	10	1500	1	4	cr, m, em	em, e	cb, m, x	bm, x														
7 St. Abbs Head	1025.1	-10	ESE	8	C/r	39	65	7	3	2	-	7-8	10	1500	1025.0	0	ESE	8	C/r	39	65	7	3	2	-	7-8	10	1500	0	5	cr, m, em	em, e	cb, m, x	bm, x														
Leuchars	1023.6	0	ESE	5	C	40	85	6	5	2	-	7-8	10	800	1023.7	+0.1	ESE	6	C	39	75	6	5	-	-	10	10	2500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Bentley (Abbots I.)	1023.5	-10	ESE	3	C	45	85	5	5	2	-	7-8	10	2500	1024.5	+1.0	ESE	4	C	38	75	6	5	-	-	10	10	1500	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Eskdalemuir	1025.0	0	ESE	4	C/r	35	86	6	6	5	-	7-8	9	1500	1026.5	+1.5	ESE	4	C/r	31	85	6	5	1	-	9	9	800	1	*	cr, m, em	em, e	cb, m, x	bm, x														
Point of Ayre	1022.1	-10	ESE	6	C	45	92	6	5	2	-	7-8	10	800	1023.1	+1.0	ESE	7	C	39	92	6	8	2	-	7-8	10	800	1	4	cr, m, em	em, e	cb, m, x	bm, x														
8 Tresco	1019.3	-10	ESE	5	C	45	85	8	8	7	-	4-6	7-8	1500	1018.0	-1.3	ESE	7	C	44	97	6	4	-	-	10	10	1500	1	5	cr, m, em	em, e	cb, m, x	bm, x														
Stornoway	1019.5	-10	E	5	C	48	75	7	8	7	-	7-8	9	2500	1018.9	-0.6	ESE	7	C	46	75	7	5	-	-	4-6	4-6	2500	1	3	cr, m, em	em, e	cb, m, x	bm, x														
Dalwhinnie	1024.1	-20	ESE	6	C	57	92	6	5	7	-	7-8	9	1500	1024.3	+0.2	ESE	7	C	55	85	6	8	-	-	9	9	1500	1	*	cr, m, em	em, e	cb, m, x															

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (in.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 17h.	Max. 9h. to 17h.	Night. 17h. to 9h.	Day. 9h. to 17h.	
1	Tunbridge W.	o	o	37	40	2	-	0.0
	Bournemouth	o	o	38	45	0.3	-	0.0
	Ventnor	row	ow	44	45	2	-	0.0
	Southsea	o	o	43	44	1	-	0.0
	Bognor Regis	o	o	43	44	1	-	0.0
	Littlehampton	e	eo	42	43	5	-	0.0
	Worthing	o	o	41	42	4	-	0.0
	Brighton	ed	ed	40	43	0.4	Trace	0.0
	Eastbourne	o	o	35	43	3	-	0.0
	Hastings	o	e	38	47	3	-	0.0
	Folkestone	oe	o	35	37	4	-	0.0
	Dover	oe	ebe	37	37	3	-	0.1
2	Deal	oe	e	35	36	3	-	0.8
	Ramsgate	oe	be	35	38	2	-	0.6
	Margate	e	bee	34	36	3	-	1.1
	Southend	o	oe	38	39	2	-	0.0
	Clacton-on-Sea	oe	ebe	37	38	3	-	0.0
	Dovercourt	oe	oe	36	37	3	-	0.0
	Lowestoft	e	ebee	34	34	2	-	0.2
	Skegness	o	e	35	43	0.5	-	0.0
	Mablethorpe	e	e	37	38	5	-	0.0
	Cleethorpe	er	e	36	37	6	-	0.0
	Leamington S.	o	o	43	43	2	-	0.0
	Cheltenham	mo	oido	35	44	1	Trace	0.0
3	Bath	oe	e	36	46	0.3	0.3	0.0
	Weymouth	oe	e	44	48	-	Trace	0.0
	Jersey	ebeze	eo	44	49	-	-	2.1
	Torquay	omrp	eorq	43	50	1	1	0.1
	Falmouth	owmq	morq	40	48	3	1	1.8
	Penzance	b	ede	44	52	1	Trace	3.7
	St. Ives							
	Bude	bbec	emdr	35	48	-	1	3.3
	Ilfracombe	ebec	ebec	42	48	-	-	1.3
	Aberystwyth	e	beep	39	47	-	Trace	0.6
	Llandudno	om	o	39	46	-	-	0.0
	Colwyn Bay	o	o	40	46	-	-	0.0
4	Rhyl	god	om	41	45	Trace	Trace	0.0
	Wallassey	or	o	39	50	0.3	1	0.0
	Southport	opmo	oz	36	43	0.2	0.2	0.0
	Blackpool	oir	com	35	43	0.5	0.3	0.0
	Morecambe							
	Ilkley	orso	o	36	57	5	0.6	0.0
	Harrogate	orso	oe	36	36	6	0.3	0.0
	Berwick-on-T.	omg	go	41	41	1	-	0.3
	Dunbar	er	cm	39	42	0.3	0.3	0.0
	Troon	oe	co	42	44	Trace	-	0.0
	Douglas	bexn	ce	37	46	-	-	0.0

† Max. Temp. for period 24h. yesterday to 17h. to-day. Min. Temp. 21h.-9h.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th December, 1938.
1 S.E. England	Winds backing east to northeast, strong, gale near coasts; mainly fair but considerable cloud at times; very cold with temperatures often at or below freezing point continuously.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Wind east, strong to gale on coasts, veering later; cloudy; rain, sleet and snow tomorrow with appreciable snowfall on higher ground; cold over most of the area.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Winds southeast to east, fresh to strong inland, gale on coasts; mainly cloudy but bright periods at times on west side of large hill masses; cold; frost in places.
13 { A. W. Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	Wind backing east, strong to gale at times; cloudy; occasional rain or sleet; snow possible on higher ground; mainly cold except near the southwest coast.
19 S. E. Ireland	
20 S. W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2.

6735/3596, W. 8064, D. 3763, Sp. 946, 35240, 12/10

BAROMETRIC. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An intense anticyclone covering Northern Europe will persist whilst a depression developing off Northwest Spain is expected to move northeast. East to southeast gales will continue on many parts of the coast with cold or very cold mainly dry weather in most districts. Appreciable snowfall is likely in parts of the southwestern districts in the second half of the period but with rain or sleet at sea level.

FURTHER OUTLOOK.

Continuing cold for several days in many districts of Great Britain; mainly dry in the northern half of the country; wintry showers in the Southeast.

Times of Issue of Gale Warnings.

V South Cone hoisted at 0920 on 17/12/38 in districts 2, 10, 11, 13, 15 and 16: at 1430 on 17/12/38 in districts 12, 17, 18 and 20 and at 1905 17/12/38 in districts 1, 5, 6, 7, 8 and 19.

1100 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S. Director.

Forecasts issued at

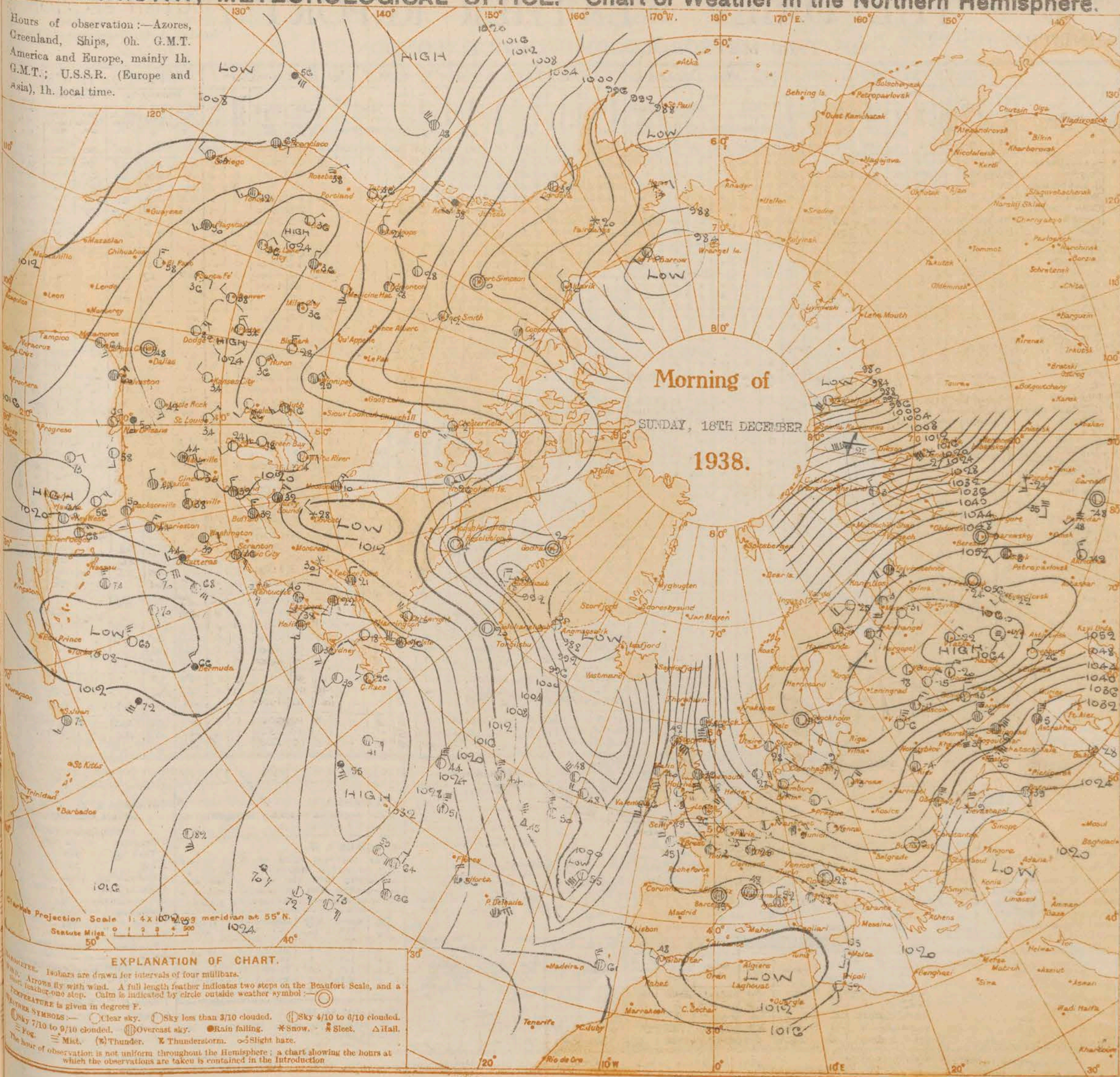
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of

SUNDAY, 18TH DECEMBER

1938.



PAST 24 HOURS.

LONDON OBSERVATIONS.										EXPLANATION OF FIGURES, LETTERS, etc.									
Day 7h—18h. Kew & Croydon.										Atmospheric Pollution.									
9h—18h. Kensington.										Milligrams of Solid Impurity per cubic metre.									
21h—24h, other stations except for rainfall which is 9h—18h.										24 hrs. ended 7h G.M.T. 18h.									
Height above M.S.L. in feet.										COLUMNS 2, 16.									
Weather.										The barometric tendency is expressed in tenths of a millibar.									
Temperature.										COLUMNS 3, 22.—Code for surface visibility.									
Rainfall.										Objects not visible at									
Sunshine to Sunset hrs.										55 yards.									
Humidity.										1 Thick fog 220 "									
Visibility 9h.										2 Fog 550 "									
Yesterday.										3 Moderate fog 1,100 "									
To-day.										4 Mist or haze 1 1/2 miles.									
SCOUT KENSINGTON.										5 Poor visibility 2 1/2 "									
Max. Time. Min. Time.										6 Moderate " 6 1/2 "									
Kew Observatory.										7 Good " 12 1/2 "									
Max. Time. Min. Time.										8 Very good " 31 "									
Past 24 Hours.										9 Excellent " beyond 31m.									
COLUMNS 4, 18.										COLUMNS 34, 35.									
The BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.										Tr. = rain has fallen, but amount less than 0.1 mm.									
Beaufort No.										State of Sea.									
Statute m/h.										0 Calm. 5 Very rough.									
Beaufort No.										1 Smooth. 6 High.									
Statute m/h.										2 Slight. 7 Very high.									
Beaufort No.										3 Moderate. 8 Precipitous.									
Statute m/h.										4 Rough. 9 Confused.									
Kew ...	18	cm	cm	c	cb	42	26	22	Tr	-	0.0	.	.	6	0.53	7.2h	17h	4.6h	18h
CROYDON ...	217	dr	dm	om	cm	cb	41	25	21	Tr	-	0.0	.	.	0.2	10h	4.1	5h	18h
GREENWICH (Royal Observatory)...	149	c	.	cb	bx	39	26	21	-	Tr	-	0.0	7c	82	5	.	.	.	.
CITY (Bunhill Row) ...	-	.	.	.	.	.	.	.	.	.	.	0.0	.	.	.	.	.	.	.
WESTMINSTER (St James' Park) ...	27	.	.	.	.	41	28	24	-	-	-	0.0	7c	82	.	.	.	.	.
ROGENTS PK. (Botanic Gardens)...	168	.	.	.	.	40	27	22	-	-	-	0.0	87	86	.	.	.	.	.
CANDEN SQUARE ...	110	o	o	.	.	40	27	23	-	-	-	0.0	7c	86	.	.	.	.	.
KENSINGTON ...	80	c	.	cb	.	41	27	21	-	-	-	0.0	7c	86	.	.	.	.	.
HAMPSTEAD OBSERVATORY ...	450	o	.	.	bcx	43	25	21	-	-	-	0.0	7c	86	.	.	.	.	.
FOREIGN OBSERVATIONS.										Past 24 Hours.									
13h. G.M.T. ... 17h. December										7h. G.M.T. ... 18h. December									
Barom. mb.										Max. Day °F.									
Wind.										Min. Night °F.									
Direc. Force										Rainfall.									
Weather.										Day mm.									
Temp. °F.										Night mm.									
Barom. mb.										Day mm.									
Wind.										Night mm.									
Direc. Force.										Day mm.									
Weather.										Night mm.									
Temp. °F.										Day mm.									
Barom. mb.										Night mm.									
Wind.										Day mm.									
Direc. Force.										Night mm.									
Weather.										Day mm.									
Temp. °F.										Night mm.									
Barom. mb.										Day mm.									
Wind.										Night mm.									
Direc. Force.										Day mm.									
Weather.										Night mm.									
Temp. °F.										Day mm.									
Barom. mb.										Night mm.									
Wind.										Day mm.									
Direc. Force.										Night mm.									
Weather.										Day mm.									
Temp. °F.										Night mm.									
Barom. mb.										Day mm.									
Wind.										Night mm.									
Direc. Force.										Day mm.									
Weather.										Night mm.									
Temp. °F.										Day mm.									
Barom. mb.										Night mm.									
Wind.										Day mm.									
Direc. Force.										Night mm.									
Weather.										Day mm.									
Temp. °F.										Night mm.									
Barom. mb.										Day mm.									
Wind.										Night mm.									
Direc. Force.										Day mm.									
Weather.										Night mm.									
Temp. °F.										Day mm.									
Barom. mb.										Night mm.									
Wind.										Day mm.									
Direc. Force.										Night mm.									
Weather.										Day mm.									
Temp. °F.										Night mm.									
Barom. mb.										Day mm.									
Wind.										Night mm.									
Direc. Force.										Day mm.									
Weather.										Night mm.									
Temp. °F.										Day mm.									
Barom. mb.										Night mm.									
Wind.										Day mm.									
Direc. Force.										Night mm.									
Weather.										Day mm.									
Temp. °F.										Night mm.									

N. K. JOHNSON, M.Sc., A.R.C.S., Director.

† Sea disturbance reported from Dungeness.

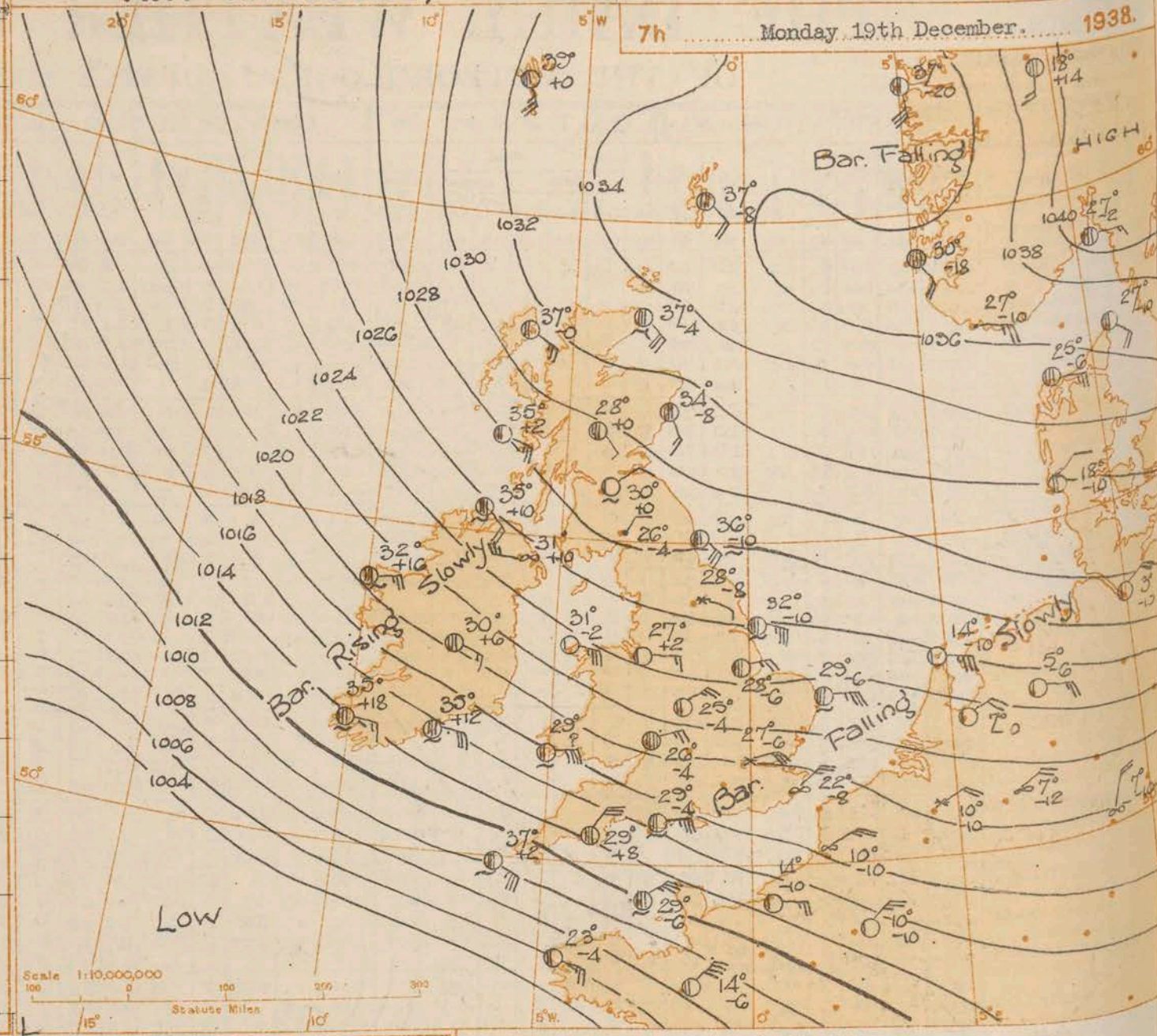
No disturbance reported from Dungensis.

REPORTS from HEALTH RESORTS for December 18th 1938.

DISTRICTS	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. to 12h.	Max. 12h. to 3h.	Night. 12h. to 18h.	Day. 18h. to 9h.	
1	Tunbridge W.	bcb	bccc	22	33	-	-	6.1
	Bournemouth	c	bcb	26	29	-	-	0.8
	Ventnor	obcu	oux	33	35	-	-	1.0
	Southsea	b	b	27	30	-	-	3.5
	Bognor Regis	c	bcb	26	28	-	-	3.3
	Littlehampton	bc	bc	25	28	-	-	0.0
	Worthing	b	b	25	28	-	-	5.7
	Brighton	b	b	25	27	-	-	5.4
	Eastbourne†	c	c	27	34	-	-	1.6
	Hastings†	bcb	bcb	26	34	-	-	4.0
	Folkestone	c	c	24	27	-	-	1.0
	Dover	bc	bc	27	29	-	-	1.2
2	Deal	oc	oc	25	28	-	-	0.0
	Ramsgate	c	bcc	27	30	-	-	2.6
	Margate	bc	bc	26	28	-	-	3.4
	Southend	c	c	29	29	-	-	1.5
	Clacton-on-Sea	bcc	bcc	29	30	-	-	0.5
	Dovercourt	xbc	bc	27	36	-	-	4.0
	Lowestoft	zibcc	zisc	26	29	-	Trace	0.4
	Skegness	oco	oco	30	32	-	-	0.0
3	Mablethorpe...	c	co	32	32	-	-	0.0
	Cleethorpe...	c	cq	31	32	Trace	-	0.0
	Leamington S.	bc	bcc	28	31	-	-	4.2
	Cheltenham†	bcc	bcc	25	34	-	-	5.1
5	Bath	b	b	25	30	-	-	6.25
	Weymouth	c	c	30	32	-	-	0.0
	Jersey	bcb	bcb	26	30	-	-	6.9
	Torquay	ybcq	coq	38	39	-	-	0.3
	Falmouth	c	c	38	40	1	-	1.5
	Penzance	gcgc	gcgc	35	41	3	-	0.1
	St. Ives	bcq	bcq	34	37	-	-	2.8
	Bude...	ccbc	bc	30	33	-	-	5.8
6	Aberystwyth	xbcc	bccz	27	35	-	-	5.5
	Llandudno	b	b	30	31	-	-	5.3
	Colwyn Bay...	xbcbe	bcbcb	29	31	-	-	4.5
	Rhyl	bcb	b	28	32	-	-	4.4
8	Wallasey	b	b	29	31	-	-	4.9
	Southport	bcc	bcc	28	31	-	-	4.8
	Blackpool	cbe	cbcc	29	32	-	Trace	4.5
	Morecambe							
9	Ilkley...	corso	corso	28	31	0.2	0.3	0.0
	Harrogate	c	cihs	29	30	-	Trace	0.0
	Berwick-on-T.	cih	ihc	36	37	-	0.1	0.0
	Dunbar	emb	cps	34	35	Trace	Trace	0.0
12	Troon...	cbcb	cbcb	32	35	-	-	5.1
	Douglas	bex	cb	33	35	-	-	2.6

† Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th December, 1938.

1 S.E. England	Strong east or northeast winds, a gale at times, tending to moderate; mainly fair apart from occasional snow showers, chiefly in the East; very cold.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	Strong easterly winds, moderating; fair periods, occasional local snow, chiefly in the East, and on high ground, chance of fog developing locally at night; very cold, probably with severe frost at night.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	Fresh or strong southeast winds, a gale locally in the South, moderating and backing; mainly fair, occasional local snow showers; very cold.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough, High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone is centred over Russia and will extend towards Iceland. It will be very cold generally with sharp frost at night in the North. There will be occasional snow in the North but in the South the falls will be slight and mainly near the East Coast.

FURTHER OUTLOOK.

Continuing very cold.

Times of issue of Gale Warnings.

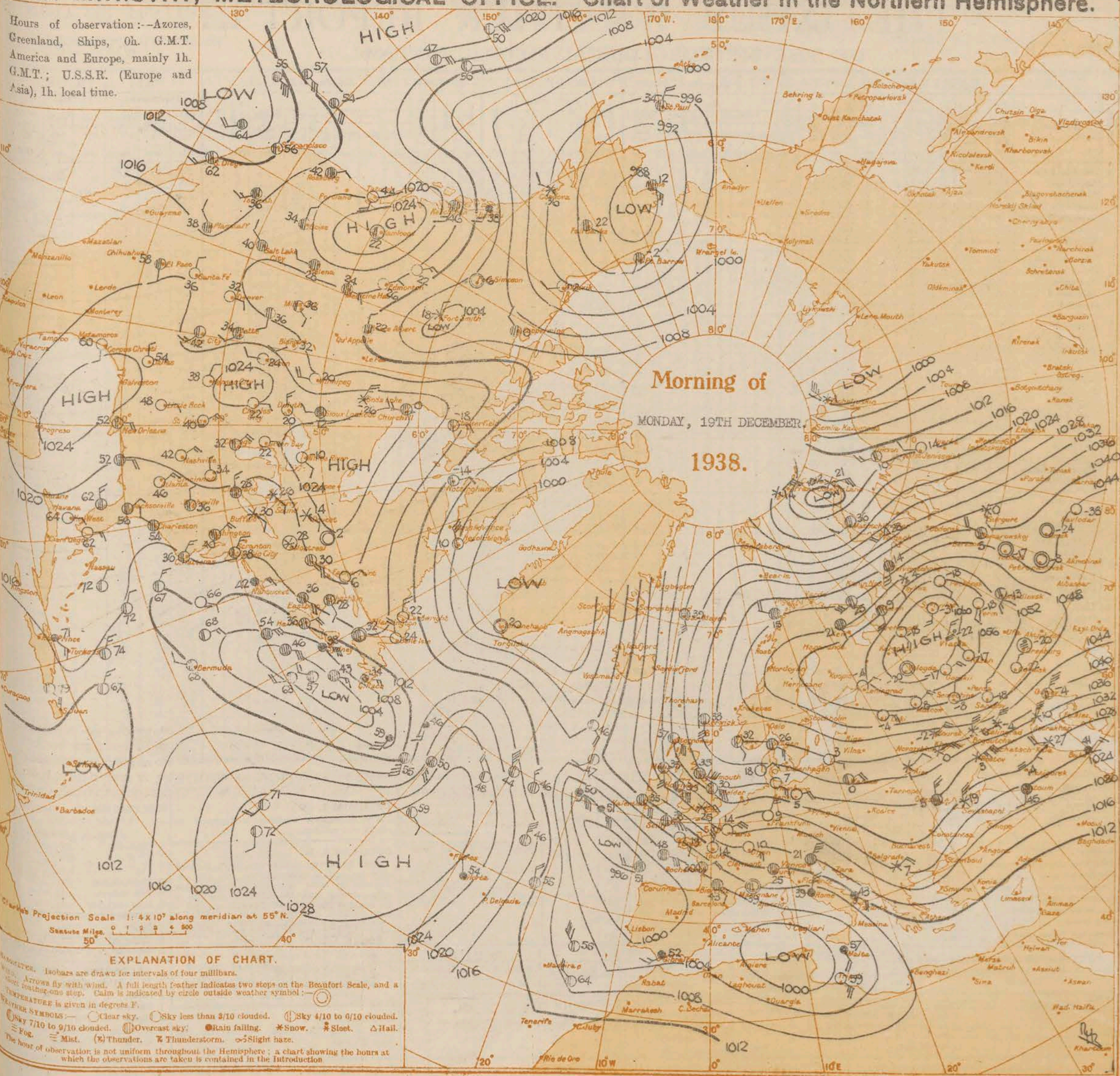
South Cone hoisted at 1440 on 15/12/38 in district 10 and part of 2; at 0920 on 17/12/38 in remainder of 2; at 1430 on 17/12/38 in district 20, and at 1905 on 17/12/38 in districts 1,5,6,7,8,12, 19 and part of 18.

N. K. JOHNSON, M.Sc., A.R.C.S. Director.

Forecasts issued at 10.30 G.M.T.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:--Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Monday, 19th December, 1938.
No. 28151

OBSERVATIONS at 1 hr. G.M.T. December 19th														OBSERVATIONS at 7 hr. G.M.T. December 19th														PAST 24 HOURS.											
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3)		Weather. (5)	Temp. (6)	Humid. (7)	Visibility. (8)	Cloud. (9-13)					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind. (17)		Weather. (19)	Temp. (20)	Humid. (21)	Visibility. (22)	Cloud. (23-27)					State of Ground. (29)	Sea. (30)	TEMPERATURE. (31-33)			RAINFALL. (34-35)		Sun-shine (36)			
					Dir.	Force.					Low.	Med.	High.	Low 0-10.	Total 0-10.			Height of Base (feet).	Low.					Med.	High.	Low 0-10.	Total 0-10.	Height of Base (feet).			Form.	Amount.	Height of Base (feet).	Max. Day 7h-18h (31)	Min. Night 18h-7h (32)		Min. on Grass (33)	Day 7h-18h (34)	Night 18h-7h (35)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1019.7	-4	NE	5	15	28	65	5	5	10	10	1500	3	*	30	27	20	-	Tr	33						
	Croydon	217	1021.7	-6	SE	4	ps	25	75	7	5	*	3	9	2500	1019.7	-6	SE	5	15	27	75	7	5	10	10	2500	3	*	28	27	22	-	Tr	35				
	S. Farborough	228	*	*	*	*	*	*	*	*	*	*	*	1019.4	-4	E	5	15	27	75	8	5	10	10	800	3	*	29	23	21	-	Tr	35						
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1018.4	-4	E	5	15	26	75	8	5	10	10	1500	3	*	28	22	18	-	Tr	35						
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	1018.4	-4	E	7	15	27	75	8	5	10	10	1500	3	*	32	23	23	-	Tr	5.9						
	Lympne	346	1021.8	-12	E	5	Z	25	85	5	5	*	9	9	1500	1019.6	-8	E	5	15	22	75	6	5	10	10	1500	3	4	25	21	20	-	Tr	3.4				
	Manston	154	1022.5	-8	E	5	0/ps	25	65	5	5	*	9	9	1500	1020.0	-6	E	5	15	23	75	6	5	10	10	1500	3	*	27	23	22	-	Tr	3.7				
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1020.4	-6	ESE	5	15	27	75	7	5	10	10	1500	3	*	31	20	25	-	Tr	2.0						
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1021.7	-6	NE	5	15	28	65	8	5	10	10	2500	3	4	31	20	20	-	Tr	2.1						
	Gorleston	5	1025.4	-12	SE	7	C	30	75	8	*	*	9	9	2500	1023.1	-6	E	7	15	29	75	8	5	10	10	2500	3	4	33	28	20	-	Tr	0.0				
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	1022.8	-6	E	5	15	27	65	8	5	10	10	2500	3	*	30	25	25	-	Tr	1.0						
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1024.4	-6	E	5	15	28	65	7	5	10	10	2500	3	*	27	27	25	-	Tr	0.5						
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1022.7	-4	E	5	15	25	55	7	5	10	10	2500	3	*	28	24	22	-	Tr	0.5						
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1021.4	-4	E	5	15	25	75	7	5	10	10	2500	3	*	23	24	23	-	Tr	*						
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1020.8	-4	E	5	15	26	65	8	5	10	10	1500	3	*	33	20	24	-	Tr	5.5						
5	Hartland Point	299	1015.1	0	E	8	C	25	97	8	2	*	7-8	9	800	1015.0	-4	E	8	15	27	97	8	5	10	10	1500	3	4	33	25	25	-	Tr	3.0				
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1019.1	-2	E	5	15	27	65	6	5	10	10	800	3	*	30	24	21	-	Tr	3.8						
	Portland Bill	32	1015.4	-2	E	7	C	30	92	7	5	*	10	10	2500	1015.1	-4	E	7	15	29	92	7	5	10	10	1500	1	5	32	28	*	-	Tr	*				
	Plymouth	82	1009.7	-10	ESE	8	C	35	75	7	8	C	7-8	9	1500	1010.1	0	E	8	15	30	75	7	8	10	10	1500	0	2	39	29	20	-	Tr	4.0				
	The Lizard	240	1009.1	-2	ESE	7	C	38	55	8	8	7	7-8	9	1500	1009.3	+2	ESE	7	15	37	65	8	8	10	10	1500	1	4	45	30	*	-	Tr	0.0				
	Scilly (St. Mary's)	163	1009.1	-2	ESE	7	C	38	55	8	8	7	7-8	9	1500	1009.3	+2	ESE	7	15	37	65	8	8	10	10	1500	1	4	45	30	*	-	Tr	0.0				
	Guernsey	175	1015.0	-2	NE	5	bcg	27	*	8	*	*	4-6	4-6	2500	1012.0	-6	E	7	15	29	*	6	8	10	10	2500	3	5	34	20	24	-	Tr	0.0				
6	Pembroke	142	1019.0	*	E	8	bcg	33	92	7	8	*	4-6	4-6	1500	1018.5	*	E	8	15	32	97	7	8	10	10	1500	3	4	30	27	*	-	Tr	1.0				
7	Holyhead	26	1022.2	-4	ESE	8	b	30	65	8	5	*	*	*	4000	1022.7	-2	E	7	15	31	65	8	5	10	10	4000	3	3	30	29	25	-	Tr	0.0				
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1024.5	+2	E	7	15	27	65	7	5	10	10	1500	3	*	31	27	22	-	Tr	4.0						
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1024.5	0	E	4	15	29	65	6	3	10	10	1500	3	*	31	28	24	-	Tr	5.0						
10	Spurn Head	29	1020.3	-2	E	7	0/ps	31	97	7	6	*	7-8	7-8	1500	1024.3	-10	E	7	15	32	97	8	5	10	10	800	3	5	34	30	*	-	Tr	0.0				
	Catterick	175	1020.7	0	SE	8	0/ps	35	85	7	6	*	10	10	800	1027.4	-8	E	15	15	28	92	7	5	10	10	2500	1	*	33	27	25	-	Tr	0.0				
	Tynemouth	108	1020.7	0	SE	8	0/ps	35	85	7	6	*	10	10	800	1027.3	-10	SE	15	15	28	92	7	5	10	10	800	4	4	38	32	30	-	Tr	0.0				
11	St. Abbs Head	280	1030.4	0	S	8	ps	35	97	8	3	2	7-8	10	1500	1029.2	-10	E	5	15	32	97	7	8	10	10	1500	4	5	35	30	*	-	Tr	0.0				
	Leuchars	35	*	*	*	*	*	*	*	*	*	*	*	1029.3	-12	ESE	3	15	34	97	9	8	10	10	2500	8	*	38	33	29	-	Tr	0.0						
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1028.0	0	E	2	15	30	85	7	5	10	10	1500	3	*	33	30	24	-	Tr	0.0						
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1028.3	-4	NE	2	15	32	85	8	5	10	10	1500	3	*	31	25	22	-	Tr	0.0						
	Point of Ayre	30	1025.7	+2	SE	8	0/ps	33	97	8	8	*	7-8	7-8	1500	1025.6	0	SE	6	15	32	97	8	8	10	10	2500	3	4	36	32	*	-	Tr	0.0				
13A	Tires	22	*	*	*	*	*	*	*	*	*	*	*	1027.7	+2	ESE	5	15	35	97	7	8	10	10	1500	3	*	37	33	31	-	Tr	0.0						
13B	Stornoway	80	1030.0	+12	SE	6	bc	37	55	8	5	*	4-6	4-6	4000	1030.2	0	ESE	5	15	37	45	8	5	10	10	4000	3	3	42	37	*	-	Tr	1.7				
15																																							

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

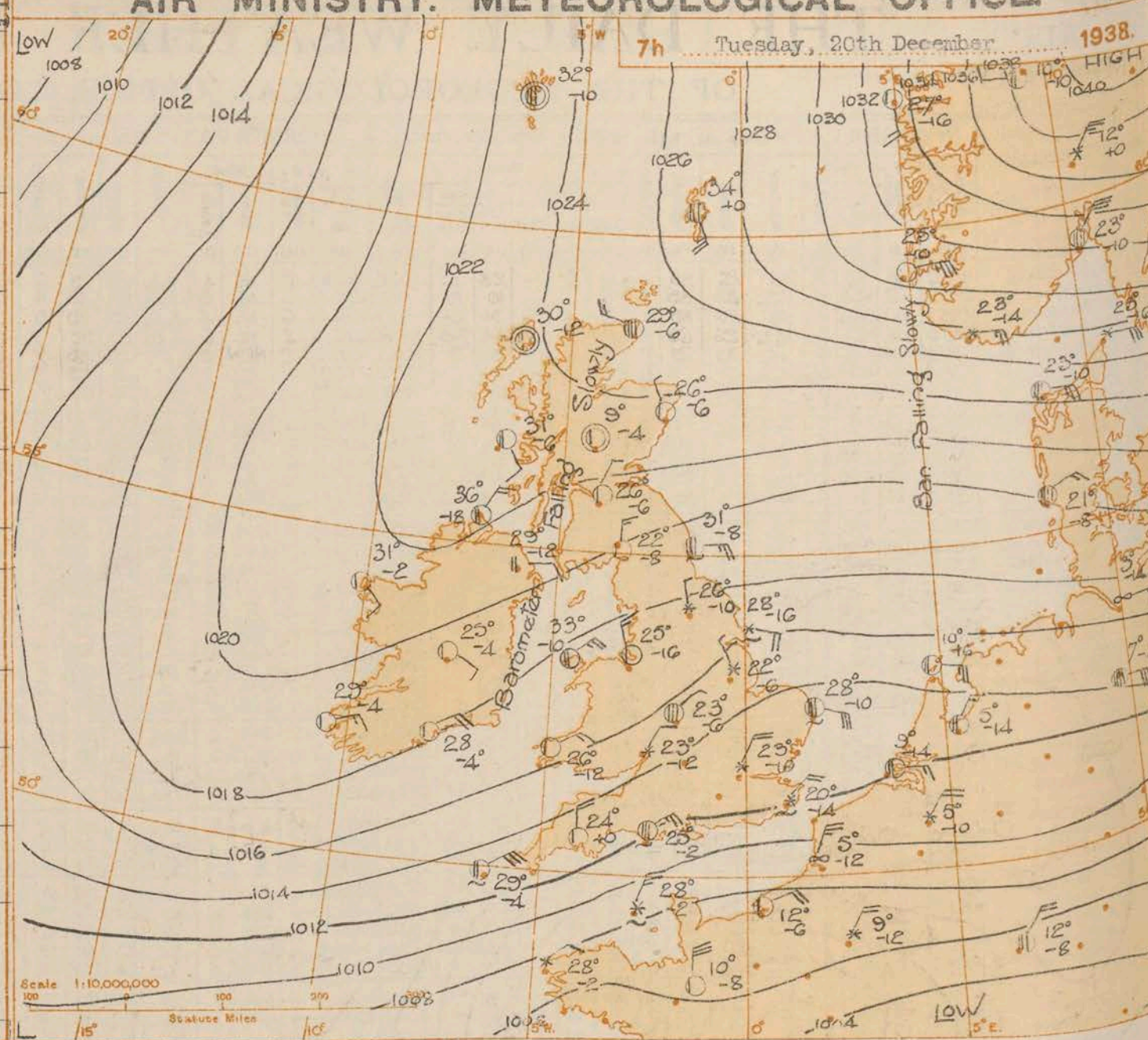
Tuesday, 20th December, 1938.

No. 28152

Distances.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 19th December.														OBSERVATIONS at 18h. G.M.T. 19th December.														PAST 24 HOURS.							
		Barom. at m.b.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.						Barom. at m.b.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.						State of Ground.	Sea.	WEATHER.					
				Dir.	Force					Low	Med.	High	Low	Total	Height of Base (feet)			Dir.	Force					Low	Med.	High	Low	Total	Height of Base (feet)			State of Ground.	Sea.	7h.—13h. 19th.	13h.—18h. 19th.	18h.—20h. 20th.	1h.—7h. 20th.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)				
(For heights see p. 4.)																																					
1	London (Kew)	1018.6	-10	NE	4	ss	26	85	4	6	2	-	7.8	10	1500	1016.8	-12	NE	4	ss	25	75	6	6	2	-	10	10	1500	8	*	cs, ss	cs, ss	cs, ss	cs, ss		
	Croydon	1018.2	-12	NE	5	ss	25	85	4	6	-	-	10	10	800	1017.0	-6	NE	5	ss	24	85	4	5	-	-	10	10	800	8	*	ss, x	cs, ss	ss, m	cs, x		
	S. Farnborough	1018.1	-10	ENE	4	ss	25	85	4	5	-	-	3+	3+	800	1016.6	-6	NE	4	ss	25	75	5	7	-	-	7.8	7.8	1500	5	*	cs, ss	ss, cs	cs, ss	cs, cs		
	Boscombe Down	1017.5	-14	NE	4	ss	26	65	7	7	-	-	4-6	7-8	1500	1016.7	-2	NE	6	ss	23	32	7	5	-	-	3	3	1500	3	*	cs, ss	ss, cs	cs, ss	cs, ss		
	Calshot (Stmntn.)	1017.0	-14	NE	6	ss	30	75	7	5	-	-	3	3	1500	1016.3	-2	NE	5	ss	26	85	7	5	-	-	7.8	7.8	1500	3	4	cs, ss	ss, cs	cs, ss	cs, ss		
	Lymington	1018.0	-16	NE	5	ss	23	75	6	5	-	-	3+	3+	1500	1016.2	-10	NE	5	ss	24	75	7	5	-	-	10	10	2500	3	5	cs, ss	ss, cs	cs, ss	cs, ss		
	Manston	1018.2	-13	NE	5	ss	24	75	7	5	-	-	3	3	1500	1016.5	-6	NE	6	ss	25	65	7	5	-	-	3+	3+	2500	3	*	cs	cs	cs, ss	cs, ss		
2	Shoeburyness	1018.7	-18	ENE	5	ss	27	75	8	5	-	-	3+	3+	1500	1017.0	-8	ENE	5	ss	27	75	8	5	-	-	10	10	1500	3	*	cs, ss	ss, cs	cs, ss	cs, ss		
	Felixstowe	1020.1	-14	NE	6	ss	27	65	8	5	-	-	3+	3+	2500	1018.5	-4	NE	5	ss	28	65	7	5	-	-	3+	3+	1500	3	4	cs, ss	ss, cs	cs, ss	cs, ss		
	Gorleston	1022.0	-12	EN	6	ss	28	65	8	5	-	-	3	3	2500	1020.1	-6	EN	7	ss	28	65	8	5	-	-	3+	3+	2500	3	4	cs, ss	ss, cs	cs, ss	cs, ss		
	Mildenhall	1021.2	-13	ENE	5	ss	28	55	8	5	-	-	4-6	4-6	2500	1019.5	-10	ENE	4	ss	26	65	8	5	-	-	10	10	4000	3	*	cs, ss	ss, cs	cs, ss	cs, ss		
	Granwell	1023.0	-14	E	4	bc/ps	25	55	8	5	-	-	4-6	4-6	2500	1021.3	-6	EN	3	ps	25	32	7	5	-	-	2-3	2-3	2500	3	*	bc, ps	ps, bc	bc, ps	bc, ps		
3	Birmingham	1021.2	-10	ENE	5	z	26	55	6	1	-	-	2-3	2-3	2500	1020.2	-4	ENE	4	z	23	55	5	-	-	0	0	-	3	*	bc, z	bc	bc	cs, ss			
	Upper Heyford	1020.6	-14	ENE	4	c	25	55	8	5	-	-	2-3	2-3	4000	1019.3	+2	ENE	3	b	22	65	8	5	-	-	0	0	2500	3	*	cs, bc	bc, bc	bc	bc		
	Ross-on-Wye	1019.3	-12	ENE	5	bc	27	55	8	7	-	-	2-3	2-3	4000	1019.3	-6	ENE	3	b	23	65	7	-	-	0	0	-	3	*	cs, bc	bc, bc	bc	bc			
4	Harland Point	1014.0	-10	E	8	bc	28	37	8	8	-	-	4-6	4-6	1500	1014.2	-2	E	8	bc	28	37	8	5	-	-	4-6	4-6	1500	3	4	bc	bc	bc	bc		
	Bristol	1018.9	-14	EN	4	c	27	65	7	7	-	-	7-8	7-8	2500	1018.4	-2	E	4	bc	23	65	7	5	-	-	2-3	2-3	2500	3	*	bc	bc	bc	bc		
	Portland Bill	1014.0	-10	ENE	7	c	25	32	7	5	-	-	10	10	1500	1013.6	-4	ENE	7	c	28	32	7	5	-	-	10	10	1500	1	5	bc, z	c	c	bc		
	Plymouth	1015.7	-18	E	6	c	30	85	8	5	-	-	3	3	1500	1014.5	+10	NE	5	c	28	85	7	5	-	-	10	10	1500	0	2	bc, z	c	c	bc		
	The Lizard	1011.0	-16	ENE	7	c	31	85	7	8	2	-	7-8	3+	1500	1011.7	+2	ENE	7	ps	32	85	7	8	2	-	3	3	1500	0	4	cs, ss	cs, ss	cs, ss	cs, ss		
	Scilly (St. Mary's)	1011.1	-4	ENE	7	cs	31	85	7	8	-	-	10	10	1500	1012.6	+6	ENE	7	ps	32	85	7	8	2	-	3	3	1500	4	5	cs, ss	cs, ss	cs, ss	cs, ss		
	Guernsey	1011.1	-16	ENE	7	ss	30	32	7	8	-	-	10	10	1500	1010.3	-8	ENE	7	c	32	75	7	8	-	-	3	3	1500	3	6	cs, ss	cs, ss	cs, ss	cs, ss		
6	Pembroke	1018.8	-2	NE	6	bc	23	37	8	1	-	-	2-3	2-3	2500	1019.3	+2	ENE	6	bc	27	37	8	5	-	-	2-3	2-3	2500	3	2	bc	bc	bc	bc		
	Holyhead	1022.7	-8	ESE	6	bc	33	65	7	7	-	-	2-3	2-3	2500	1022.0	-6	ESE	3	c	30	75	7	1	-	-	7-8	7-8	2500	3	2	b	bc	bc	bc		
	Chester (Sealand)	1023.5	-12	EN	3	c	30	65	7	2	-	-	3	3	2500	1022.5	-4	ENE	1	z	26	75	6	5	-	-	2-3	2-3	2500	3	*	bc, z	bc, z	bc, z	bc, z		
	Manchester	1023.6	-14	E	5	ps	30	65	5	8	-	-	7-8	7-8	2500	1022.4	-8	ENE	3	ps	30	75	5	8	-	-	7-8	7-8	2500	3	*	bc, ps	ps, bc	bc, ps	bc, ps		
10	Spurn Head	1023.4	-8	ESE	7	c/ps	31	37	6	3	-	-	3+	3+	450	1020.5	-12	E	7	bc	31	37	7	3	-	-	4-6	4-6	800	8	4	bc, ps	ps, bc	bc, ps	bc, ps		
	Catterick	1025.1	-18	EN	2	bc	32	65	8	5	-	-	4-6	4-6	4000	1023.6	-6	N	2	bc, ps	27	32	6	5	-	-	2-3	2-3	1500	4	*	cs, bc	bc, cs	bc, cs	bc, cs		
	Tynemouth	1026.2	-6	E	5	c/ps	35	75	7	3	-	-	7-8	7-8	800	1023.9	-10	E	5	bc, ps	34	75	8	2	-	-	4-6	4-6	1500	8	4	cs, bc	bc, cs	bc, cs	bc, cs		
11	St. Abbs Head	1027.1	-8	E	4	ps	34	85	7	3	6	-	4-6	7-8	1500	1025.2	-6	SE	3	c	33	32	3	8	6	-	4-6	4-6	1500	8	4	ps	ps	ps	ps		
	Leuchars	1028.2	-18	ESE	4	ps	35	85	8	7	-	-	4-6	7-8	800	1026.3	-6	ESE	2	bc	34	75	7	3	-	-	4-6	4-6	800	7	4	ps, bc	bc, ps	bc, ps	bc, ps		
	Renton (Abbots I.)	1027.1	-22	ENE	2	z	33	75	6	7	-	-	2-3	2-3	4000	1026.2	-2	EN	2	z	31	85	6	4	3	-	2-3	2-3	4000	3	*	bc, z	bc, z	bc, z	bc, z		
	Esksdalemuir	1026.7	-12	ENE	3	ps	30	85	7	5	-	-	4-6	4-6	800	1025.3	-6	NNE	3	bc	31	85	8	5	-	-	2-3	2-3	1500	4	*	bc, ps	ps, bc	bc, ps	bc, ps		
	Point of Ayre	1024.3	-8	SE	5	bc	35	75	8	8	-	-	2-3	2-3	4000	1023.4	-8	E	3	bc	34	32	8	3	-	-	2-3	2-3	2500	3	3	bc	bc	bc	bc		
13	Tiree	1027.3	-10	SE	4	bc	37	75	8	8	-	-	4-6	4-6	2500	1026.1	-4	EN	3	c	36	75	8	8	-	-	7-8	7-8	2500	0	3	bc	bc	bc	bc		
13	Stornoway	1030.0	-6	SE	3	c	37	55	3	1	5	4	2-3	3+	4000	1028.0	-4	ESE	2	bc	37	55	8	5	-	-	4-6	4-6	4000	0	3	bc	bc	bc	bc		
15	Dalwhinnie	1027.6	-16	SE	2	bc	31	32	8	5	6	-	2-3	4-6	4000	*	-	0	bc	16	37	8	1	4	5	0	2-3	-	4	*	cs, bc	bc, cs	bc, cs	bc, cs			

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 12h. to 9h. 12h.	Max. 9h. 12h. to 9h. 12h.	Night. 17h. 12h. to 9h. 12h.	Day. 9h. 12h. to 9h. 12h.	
1	Tunbridge W.	os.0	os.0	21	30	—	Trace	0.0
	Bournemouth	cbe	c	21	28	—	—	0.0
	Ventnor	oxc	COLIX	24	27	—	—	0.1
	Southsea	bc	cos	22	28	—	Trace	1.5
	Bognor Regis	bcis.	bcis.	22	27	—	Trace	4.3
	Littlehampton	cbe	bcps	21	27	—	Trace	4.1
	Worthing	csbc	bcis.	21	26	—	—	2.3
	Brighton	xisc	is.cb	22	27	—	—	0.2
	Eastbourne†	is.	s.o	24	27	Trace	0.1	0.0
	Hastings†	os.co	s.o	21	25	Trace	Trace	0.0
	Folkestone	os.o	o	22	27	Trace	Trace	0.0
	Dover	cbsc	cbs.o	23	28	—	—	0.0
	Deal	c	c	24	27	—	—	0.0
	Ramsgate	c	crs.o	24	28	—	—	0.0
	Margate	cs	c	24	28	—	Trace	0.0
2	Southerd	os.	os.	26	27	Trace	Trace	0.0
	Clacton-on-Sea	crs.c	crs.c	26	29	—	Trace	0.0
	Dovercourt	xoc	ocx	27	30	—	—	0.0
	Lowestoft	cbsc	cis.	26	26	—	Trace	0.6
	Skegness	ocbc	bcs.	28	31	—	Trace	0.5
	Mablethorpe	oxc	cs.x	29	32	—	Trace	0.4
	Cleethorpe	cxisc	cxis	28	32	Trace	1	0.1
3	Leamington S.	bc	b	25	27	—	—	4.0
4	Cheltenham†	cbb	bcb	24	28	Trace	—	4.3
5	Bath	s.cbc	cbc	26	28	Trace	Trace	1.1
	Weymouth	c	c	23	30	—	—	0.0
	Jersey	cbcc	co	20	28	—	—	2.0
	Torquay	og	ocq	28	31	—	—	0.0
	Falmouth	ogs.c	c	30	32	Trace	—	0.6
	Penzance	os.sc	c	23	32	—	Trace	0.0
	St. Ives	—	—	—	—	—	—	—
	Bude	bc	bc	24	29	—	—	4.3
	Ilfracombe	cbcc	bcc	25	31	—	—	4.2
6	Aberystwyth	zbc	bcz	26	31	—	—	6.6
7	Llandudno	b	bcb	27	31	—	—	4.3
	Colwyn Bay	bbc	pcb	26	31	—	—	4.8
	Rhyl	bbc	bcb	25	31	—	—	3.0
8	Wallasey	bcc	upsbc	27	31	Trace	Trace	0.0
	Southport	bcps.	ps.bcc	24	31	Trace	Trace	1.0
	Blackpool	bepsb	bccb	23	30	—	Trace	0.5
	Morecambe	—	—	—	—	—	—	—
9	Ilkley	osc	bc	27	29	0.5	0.2	2.0
	Harrogate	cosb	cbis	27	28	0.1	0.2	2.3
10	Berwick-on-T.	cbe	bcps.	31	37	0.3	0.1	1.8
11	Dunbar	cphsx	cphs	29	37	Trace	1	0.8
12	Troon	xbc	cbc	27	34	—	—	3.5
	Douglas	bex	bexho	31	33	—	Trace	0.7

† Max. Temp. for period 21st. yesterday to 17h. to-day; Min. Temp. 21h.-9h.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th December, 1938.

1 S.E. England	
2 E. England	Moderate to fresh easterly winds; snow locally; very cold;
3 E. Midlands	sharp frost continuing day and night in most places.
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 { A.W.Scotld. B.N.W.Scot- land.	Light variable winds, freshening from south; occasional snow or sleet; very cold at first, probably becoming milder.
14 Mid Scotland	As 1 - 12.
15 N. E. Scotland	
16 Orkney and Shetland	Moderate southerly winds, freshening; occasional snow; cold.
17 N. W. Ireland	Wind southeasterly, backing and freshening; snow or sleet at times; cold today, probably becoming less cold.
18 N. E. Ireland	
19 S. E. Ireland	As 1 - 12.
20 S. W. Ireland	As 17.

H.M. Stationery Office, London, W.C.2.

6735/3598. Wc. 5004. D. 3769. Sp. 548. 15340. 12/

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone centred over Northern Russia, extends westwards across the British Isles. The very cold weather will continue with further snow at times, particularly in eastern areas.

FURTHER OUTLOOK.

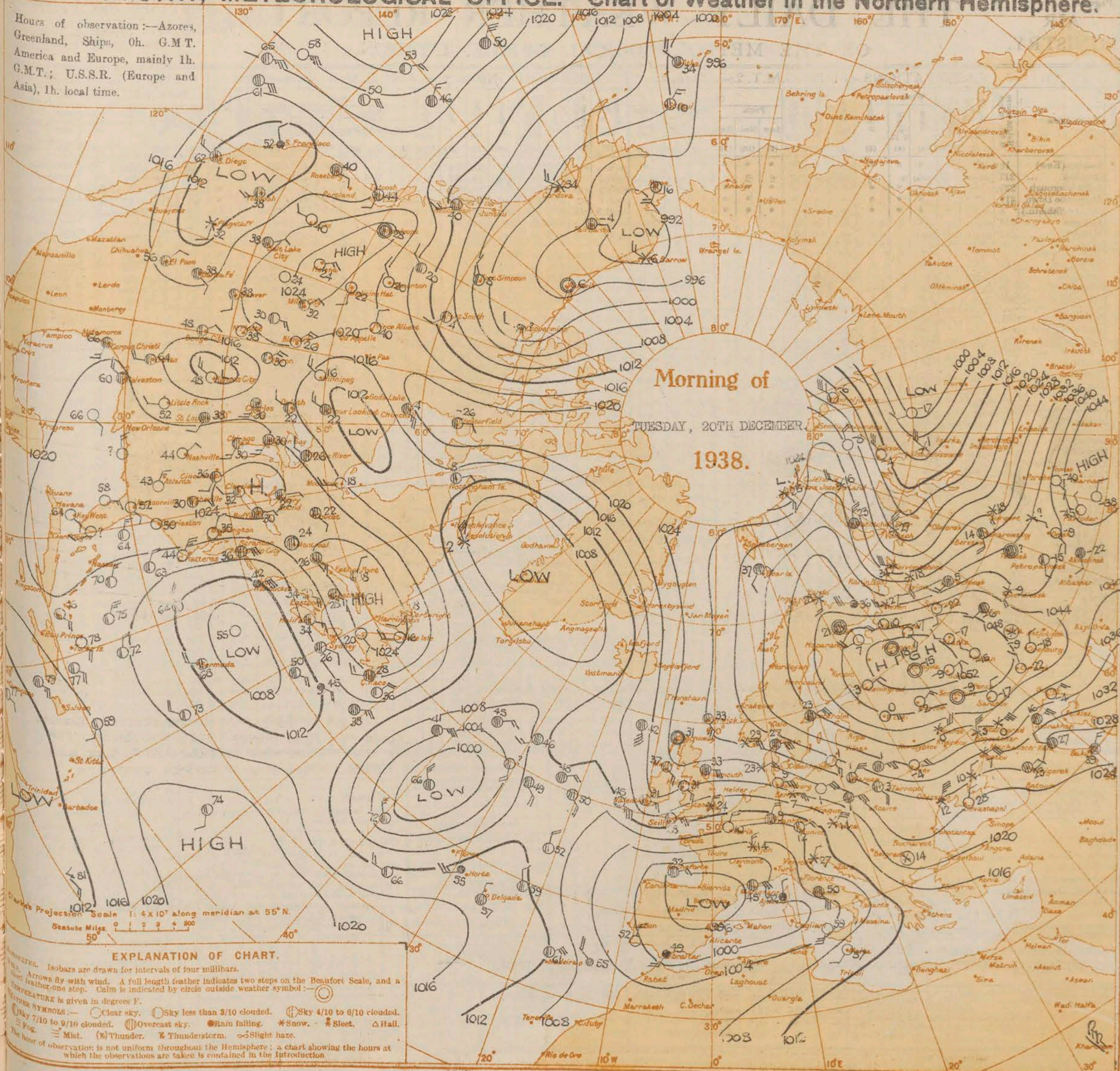
Probably becoming less cold in Ireland, little change elsewhere.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation :—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



A.R.C.S.
ector.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Tuesday, 20th December 1956.
No. 28152

OBSERVATIONS at 1 hr. G.M.T. 20th December.															OBSERVATIONS at 7 hr. G.M.T. 20th December.															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	°C.	Humid. %	Visib. 0-9	Cloud.					Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	°C.	Humid. %	Visib. 0-9	Cloud.					Sea. 0-9	TEMPERATURE.			RAINFALL.		Sunshine 12h-1h.		
					Dir.	Force 0-12						Form.	Amount.	Height of Base (feet).	Dir.	Force 0-12			Form.	Amount.						Height of Base (feet).	State of Ground. 0-9	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.		Day 7h-18h mm.	Night 18h-7h mm.						
																																		Low 0-10	Med. 10-10	High 10-10		Low 0-10	Med. 10-10
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	*	1012.0	-18	NNE	4	c	25	85	7	5	-	-	-	-	10	10	1500	8	*	23	22	19	Tr	Tr	2.6	
	Croydon	217	1014.4	-10	NEN	4	15	24	85	6	5	2	*	9	10	1012.3	-10	NEN	4	c	23	85	4	5	-	2	-	10	10	2500	8	*	27	23	22	Tr	Tr	0.0	
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	*	1012.2	-10	NNE	3	c	23	85	7	5	-	-	-	-	10	10	4000	7	*	27	21	17	0.6	0.1	0.0	
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	*	1013.1	-10	NNE	4	bc	20	85	7	5	-	-	-	-	2-3	2-3	2500	3	*	27	19	15	Tr	Tr	2.1	
	Calshot (Sthmtn.)	8	*	*	*	*	*	*	*	*	*	*	*	*	1012.8	-18	NNE	4	c	24	75	8	5	-	-	-	-	7-8	7-8	2500	4	2	30	21	18	Tr	Tr	0.7	
	Lymington	348	1014.0	-18	ENE	5	22	75	6	5	-	-	-	-	10	10	1012.1	-14	NE	4	ss	20	85	5	5	-	-	-	10	10	1500	4	3	25	20	19	Tr	Tr	0.1
	Manston	154	1013.5	-12	NNE	4	24	85	6	5	-	-	-	-	10	10	1011.3	-14	NE	4	15	23	75	6	5	-	-	-	10	10	1500	3	*	27	21	21	Tr	Tr	0.0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1011.9	-12	NE	4	ss	24	85	6	5	-	-	-	-	10	10	1500	8	*	28	23	24	Tr	Tr	0.0	
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	*	1012.0	-12	NE	4	c/s	23	75	7	5	-	-	-	-	10	10	1500	4	3	29	23	23	Tr	Tr	0.0	
	Gorleston	5	1013.4	-12	NE	7	c	27	92	7	8	-	-	9	9	1013.8	-10	ES	6	c	28	85	7	8	-	-	-	9	9	2500	3	4	30	26	25	Tr	Tr	0.0	
	Mildenhall	19	1012.0	-18	NE	2	bc	20	75	8	5	-	-	2	2	1014.0	-10	NNE	2	bc	22	75	8	5	-	-	-	2-3	2-3	2500	3	*	25	17	13	Tr	Tr	0.0	
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	*	1013.5	-10	NNW	1	ss	22	92	3	5	-	-	-	-	10	10	450	8	*	30	21	16	Tr	Tr	3.1	
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1015.0	-10	ENE	1	c/s	23	92	6	5	-	2	-	9	9	1500	8	*	27	22	18	Tr	Tr	5.3		
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	*	1014.0	-14	NNE	3	bc	21	85	8	5	-	-	-	-	4-6	4-6	4000	3	*	26	19	15	Tr	Tr	4.4	
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	1015.0	-12	NE	2	ss	23	85	6	5	-	-	-	-	10	10	1500	8	*	28	21	16	Tr	Tr	4.4	
5	Harland Point	299	1015.3	+2	E	8	bc	26	97	8	8	-	-	4-6	4-6	1012.3	-14	NE	6	bc	23	92	8	8	-	-	-	4-6	4-6	1500	3	4	29	25	22	Tr	Tr	3.3	
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	*	1014.3	-12	ENE	2	z	23	75	6	5	-	-	-	-	7-8	7-8	2500	3	5	27	19	10	Tr	Tr	2.8	
	Portland Bill	32	1012.7	-10	ENE	6	0	26	92	7	5	-	-	10	10	1010.7	-2	ENE	5	c	25	92	7	5	-	-	-	7-8	7-8	2500	3	5	30	24	21	Tr	Tr	0.5	
	Plymouth	82	1012.7	-10	ENE	6	0	26	92	7	5	-	-	10	10	1013.1	0	N	4	b	24	85	8	8	-	-	-	0	0	2500	3	2	31	24	21	Tr	Tr	0.0	
	The Lizard	240	1012.5	+4	NE	6	c	29	75	8	8	2	-	7-8	9	1012.3	+4	NE	3	bc	24	85	8	8	-	-	-	2-3	2-3	2500	1	3	30	24	*	Tr	Tr	0.0	
	Scilly (St. Mary's)	163	1013.9	+2	ENE	5	bc	28	85	8	8	6	-	4-6	4-6	1012.9	-4	ENE	6	bc	23	55	8	2	-	-	-	2-3	2-3	1500	4	4	37	28	*	Tr	Tr	0.0	
	Guernsey	175	1009.8	-8	NNE	6	ss	31	92	5	5	-	-	10	10	1007.7	-2	NNE	5	ss	28	92	3	5	-	-	-	10	10	800	9	5	32	26	*	Tr	Tr	0.0	
6	Pembroke	142	1013.2	-2	NE	4	b	25	75	7	-	-	-	0	0	1013.1	-12	NNE	3	b	26	85	7	5	-	-	-	Tr	Tr	2500	3	2	31	23	*	Tr	Tr	3.9	
7	Holyhead	26	1020.3	-12	SE	3	b	31	85	7	1	-	-	1	1	1017.2	-10	ENE	5	bc/ps	32	75	8	8	-	-	-	2-3	2-3	2500	3	2	33	23	21	Tr	Tr	5.2	
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	*	1017.0	-10	NNW	3	b	25	85	7	5	-	-	-	1	1	2500	3	*	30	23	14	Tr	Tr	2.7		
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	*	1013.8	-18	NW	3	z	23	85	6	-	3	-	-	0	0	2500	4	*	31	23	16	Tr	Tr	0.8		
10	Spurn Head	29	1017.2	-12	EN	5	bc	31	97	7	9	-	-	4-6	4-6	1015.3	-10	ES	4	ps	23	97	6	9	-	-	-	10	10	800	8	4	33	27	*	Tr	Tr	0.4	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	*	1018.2	-10	N	1	ps	26	92	4	6	-	-	-	-	10	10	800	8	*	33	23	19	0.2	4	2.1	
	Tynemouth	108	1021.0	-14	E	6	bc/ps	33	85	8	2	-	-	4-6	4-6	1018.9	-8	E	5	c/ps	31	97	7	9	-	-	-	7-8	7-8	800	8	4	36	30	26	3	1	0.6	
11	St. Abbs Head	280	1023.2	-10	E	4	bc	34	92	8	3	6	-	2-3	4-6	1020.5	-10	ENE	4	c	31	92	8	3	2	-	-	4-6	7-8	1500	7	4	36	29	*	3	Tr	*	
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	1022.4	-8	-	0	bc/ps	29	85	8	8	-	-	-	-	4-6	4-6	4000	8	*	38	26	19	3	2	1.1	
12	Renfrew (Abbots I.)	19	*	*	*	*	*	*	*	*	*	*	*	*	1022.2	-10	NNE	1	b/ps	26	85	7	3	-	-	-	1	1	2500	8	*	34	24	18	Tr	Tr	0.7		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1020.7	-8	NNE	3	b	22	85	8	5	-	-	-	1	1	1500	8	*	31	21	18	Tr	Tr	2.3		
	Point of Ayre	30	1022.3	-8	E	4	bc	34	75	8	8	-	-	4-6	4-6	1019.0	-12	ENE	5	bc	32	85	8	8	-	-	-	4-6	4-6	2500	3	3	36	31	18	Tr	Tr	1.5	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	1022.7	-10	SE	2	bc	31	97	9	2	-	-	-	2-3	2-3	4000	3	2	37	28	20	-	-	1.9		
13B	Stornoway	80	1023.4	-8	-	0	bc	31	85	7	5	-	-	4-6	4-6	1023.0	-12	-	0	bc	30	85	7	5	-	-	-	2-3	2-3	4000	0	0	38	26	*	-	-	0.0	
15	Dalwhinnie	1170	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	0	b	9	92	8	4	-	-	-	-	Tr	Tr	4000	4	*	31	7	6	Tr	Tr	0.0	
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	1023.5	-10	NNW	1	b	26	85	7	8	-	-	-	1	1	2500	7	2	38	26	17	3	1	0.8		
	Wick	81	1025.3	-12	SW	2	c/ps	33	97	7	8	7	-	7-8	10	1024.4	-10	SW	3	c/ps	29	97	8	8	7	3	-	4-6	7-8	1500	7	1	40	28	*	1	1		

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 21st December, 1938.

No. 28153

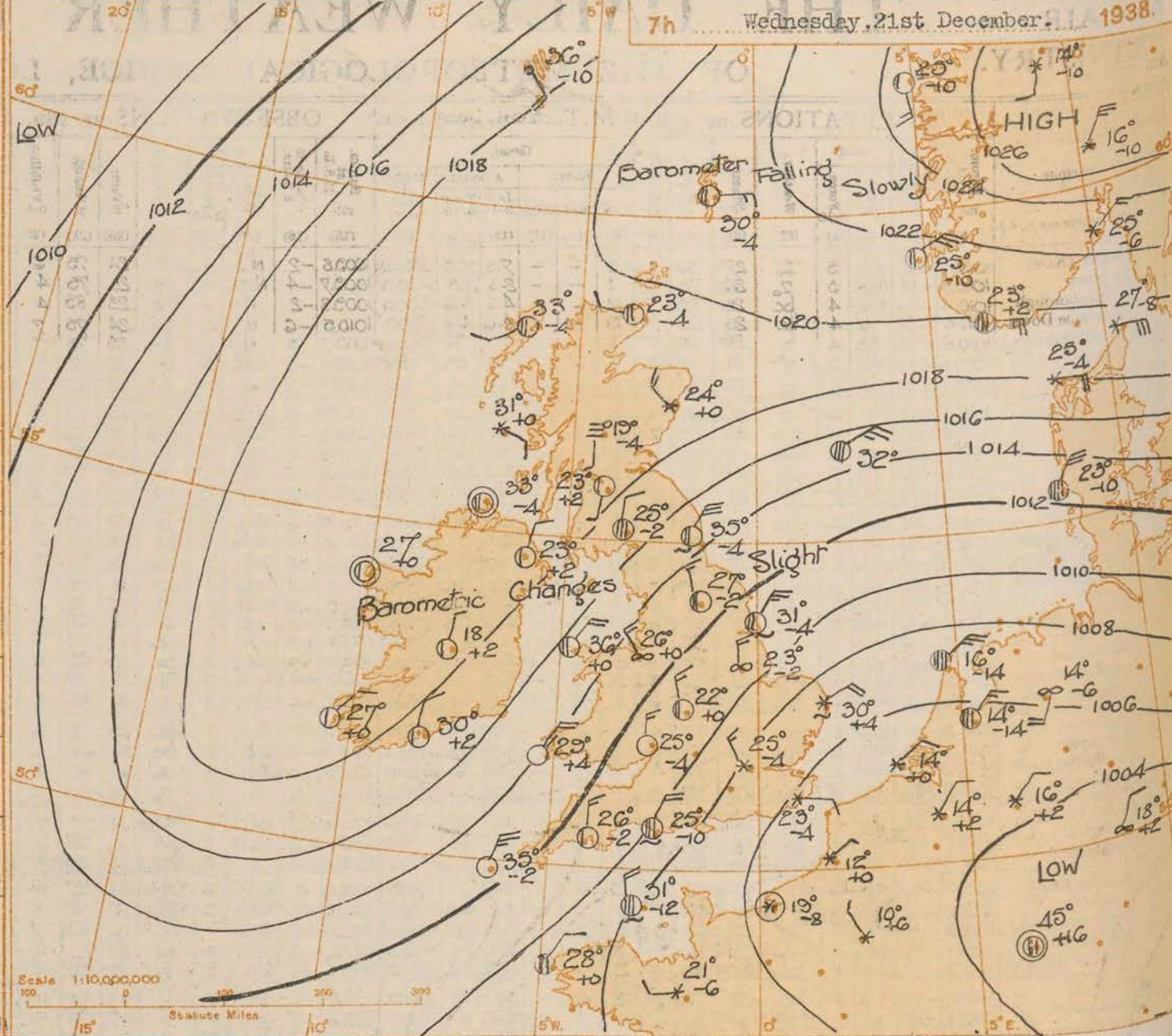
District.	STATIONS.	OBSERVATIONS at 13h. G.M.T. 20th December														OBSERVATIONS at 18h. G.M.T. 20th December														PAST 24 HOURS.								
		Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp.	Humid.	Visiblity	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp.	Humid.	Visiblity	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp.	Humid.	Visiblity	WEATHER.			
									Form.			Amount.										Height of Base (feet)	Form.			Amount.									Height of Base (feet)			
									Low	Med.	High	Low	Total	0-10									Low	Med.	High	Low	Total									0-10		
																																					(9)	(10)
(For heights see p. 4.)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)		
1	London (Kew)	1010.4	-16	NE	5	27	55	6	8	-	-	7-8	7-8	2500	1003.8	-2	NE	3	b	24	75	6	7	-	-	1	1	1500	3	*	cm, bcz	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Croydon	1010.3	-14	NEN	5	24	75	6	1	-	-	2-3	2-3	4000	1003.7	-4	NNE	4	m	23	75	4	5	-	-	1	1	2500	4	*	is, bcz	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	S. Eambsborough	1010.4	-14	NNE	4	25	55	7	7	-	-	4-6	4-6	2500	1003.8	-2	N	3	m/s	23	85	4	5	-	-	3+	3+	4000	3	*	cb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Boscombe Down	1011.4	-14	NE	4	25	65	7	5	-	-	4-6	4-6	2500	1010.5	-6	N	3	ps	24	75	7	5	-	-	10	10	1500	3	*	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Calshot (Stmntn.)	1010.8	-14	NE	4	27	65	7	1	-	-	7	7	4000	1010.7	-6	N	4	bc	25	75	7	5	-	-	2-3	4-6	2500	3	2	eb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Lymington	1009.8	-14	NE	5	21	32	3	6	-	-	10	10	450	1008.4	-6	NNE	5	sf	22	52	3	6	-	-	10	10	450	8	4	cm, ssf	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Manston	1008.7	-14	NE	4	23	75	4	5	-	-	10	10	800	1007.1	-2	NE	5	ss	23	85	5	5	-	-	10	10	2500	8	*	ss, ssf	bccps, bcz	bccps, bcz	bccps, bcz	cm			
2	Shoeburyness	1009.6	-12	N	3	24	32	8	6	2	-	3	3+	800	1008.7	-6	NE	4	c	23	85	7	5	-	-	3+	3+	1500	8	*	cm, is	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Felixstowe	1010.3	-13	NE	4	25	75	6	5	-	-	3+	3+	1500	1008.9	-8	NEN	4	c/s	25	65	7	5	-	-	3+	3+	1500	4	3	ss, ps	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Gorleston	1011.0	-20	E	6	27	32	7	8	-	-	3+	3+	2500	1009.8	-12	ENE	6	c	28	75	7	8	-	-	3+	3+	2500	3	4	cm, ps	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Mildenhall	1011.4	-20	NE	3	26	85	6	5	-	-	4-6	4-6	2500	1010.6	-6	N	2	b	15	37	7	8	-	-	0	0	-	4	*	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Cranwell	1012.3	-26	N	2	26	37	2	5	-	-	10	10	450	1012.1	+2	-	0	m/s	23	37	4	5	-	-	2-3	2-3	1500	3	*	ss, ssf	bccps, bcz	bccps, bcz	bccps, bcz	cm			
3	Birmingham	1012.7	-22	NNW	5	24	75	5	5	-	-	3+	3+	1500	1011.5	-6	NNE	3	c	23	32	5	5	-	-	7-8	7-8	1500	8	*	is	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Upper Heyford	1012.9	-20	NE	3	24	65	8	7	-	-	3	3	2500	1011.6	-4	NNW	3	ps	24	32	4	5	-	-	10	10	1500	3	*	bcb	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Ross-on-Wye	1013.3	-14	N	2	25	75	6	5	-	-	1	1	4000	1011.6	-6	N	3	z	26	85	5	5	-	-	2-3	2-3	1500	8	*	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
4	Hartland Point	1012.0	-6	NE	5	23	37	7	8	6	-	2-3	4-6	1500	1011.7	-4	NE	4	c	31	75	8	3	-	-	3+	3+	1500	3	3	ss, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Bristol	1012.9	-12	NE	5	26	65	7	4	-	-	4-6	4-6	2500	1011.5	-6	NNE	5	c	26	75	4	5	-	-	7-8	7-8	2500	3	3	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Portland Bill	1009.7	-16	ENE	5	27	32	8	5	-	-	4-6	7-8	2500	1009.7	+4	NE	5	c	25	32	7	5	-	-	4-6	7-8	2500	3	4	c	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Plymouth	1011.2	-16	NEN	5	23	55	8	1	-	-	1	1	4000	1011.8	+8	N	3	z	27	75	6	-	-	0	0	-	3	2	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm				
	The Lizard	1011.4	-12	NE	5	23	75	8	8	-	-	4-6	4-6	2500	1012.5	+8	NE	5	c	28	65	8	8	-	-	4-6	4-6	2500	3	2	bcb	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Scilly (St. Mary's)	1011.5	-18	NE	5	23	65	8	3	6	-	7-8	7-8	800	1012.0	+6	NE	5	c	31	75	8	3	6	-	-	7-8	7-8	800	4	2	bcb	bccps, bcz	bccps, bcz	bccps, bcz	cm		
	Guernsey	1007.0	-6	NNE	4	27	32	6	8	-	-	10	10	800	1007.6	+4	NNE	3	c	30	85	6	8	-	-	10	10	1500	3	4	ss, ssf	bccps, bcz	bccps, bcz	bccps, bcz	cm			
5	Pembroke	1014.2	-10	NE	5	31	85	8	4	6	1	2-3	4-6	2500	1013.5	0	NE	3	bc	23	75	8	5	-	-	2-3	4-6	2500	3	2	bcb	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Holyhead	1015.3	-14	NE	5	35	75	8	2	-	-	7-8	7-8	2500	1014.7	-6	ENE	5	bc	36	65	8	2	-	-	4-6	4-6	4000	3	3	bcb	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Chester (Sealand)	1014.3	-13	NNW	3	30	75	5	5	-	-	3+	3+	2500	1014.5	0	NNW	3	z	26	85	5	-	-	0	0	-	3	*	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm				
	Manchester	1014.6	-20	NE	3	23	75	5	1	4	-	2-3	2-3	2500	1014.0	-2	N	3	z	25	85	5	-	-	0	2-3	-	4	*	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm				
10	Spurn Head	1012.0	-22	E	4	23	37	6	3	-	-	10	10	450	1010.3	-6	ENE	4	bcb	31	37	7	6	-	-	4-6	4-6	1500	8	4	is, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Catterick	1015.6	-18	NW	3	28	37	4	6	-	-	3+	3+	800	1015.1	-2	NEN	2	ps	27	37	5	6	-	-	3	3	800	8	*	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Tynemouth	1016.5	-20	NE	5	34	85	7	3	-	-	3	3	800	1015.5	-4	E	5	bcb	32	85	8	2	-	-	4-6	4-6	1500	8	4	bcb	bccps, bcz	bccps, bcz	bccps, bcz	cm			
11	St. Abbs Head	1018.0	-10	E	5	33	32	8	3	6	-	4-6	3	800	1018.0	0	ENE	5	c	34	32	8	3	6	-	-	4-6	4-6	1500	7	4	cg	bccps, bcz	bccps, bcz	bccps, bcz	cm		
	Leuchars	1020.2	-18	NNW	3	30	32	7	3	6	3	4-6	4-6	800	1019.6	-6	NNW	2	bcb	23	32	7	3	-	-	4-6	4-6	800	8	*	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Renton (Abbots L.)	1020.5	-14	NE	2	23	75	8	5	3	-	2-3	2-3	4000	1020.1	+2	SSE	1	bc	26	85	7	5	6	-	-	4-6	4-6	4000	8	*	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm		
	Eskdalemuir	1018.1	-18	NNE	4	28	85	8	5	-	-	2-3	2-3	1500	1017.6	-4	NE	5	ps	26	32	6	6	-	-	4-6	4-6	800	8	*	ss, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
	Point of Ayre	1017.8	-12	ENE	4	33	85	8	2	-	-	4-6	4-6	4000	1017.1	-4	ENE	5	bc	33	85	8	2	-	-	4-6	4-6	4000	3	3	bcb, bc	bccps, bcz	bccps, bcz	bccps, bcz	cm			
13	Tiree	1021.2	-12	EN	2	35	75	3	2	4	-	2-3	2-3	4000	1020.8	-2	E	2	b	30	75	3	2	-	-	7-8	7-8	4000	3	1	bcb	bccps, bcz	bccps, bcz	bccps, bcz	cm			
13	Stornoway	1022.3	-8	E	1	34	85	3	5	7	-	4-6	3+	4000	1021.3	-2	SSE	4	c	30	75	8	5	7	-	-	7-8	7-8	4000	3	2	bcb	bccps, bcz	bccps, bcz	bccps, bcz	cm		
15	Dalwhinnie	*	-12	N	1																																	

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs.)
		Fore-nocn.	After-noon.	Min. 9h. to 9h. 20th.	Max. 9h. to 17h. 20th.	Night. 17h. to 9h. 20th.	Day. 9h. to 17h. 20th.	
1	Tunbridge W.	os	oscb	13	25	4	3	0.0
	Bournemouth	bc	b	20	27	—	—	4.3
	Ventnor	e	cbc	21	27	Trace	—	2.6
	Southsea	sols	bc	21	25	11	Trace	1.5
	Bognor Regis	osc	cbc	21	26	3	0.3	1.7
	Littlehampton	oss	bc	20	25	1	Trace	1.2
	Worthing	ss	scb	21	24	0.6	1	0.0
	Brighton	cs	os	23	25	Trace	1	0.0
	Eastbourne	sobcc	s.c.s.	21	25	Trace	0.3	1.1
	Hastings	fos	ois	22	25	0.5	1	0.0
2	Folkestone	oss	oss	22	26	—	Trace	0.0
	Dover	4.Soco	C.O.S.S.	21	27	0.5	2	0.0
	Deal	s	s	22	26	*	*	0.0
	Ramsgate	cs	cs	23	27	1	2	0.0
	Margate	oss	oss	22	26	2	2	0.0
	Southend	ois	ois	23	26	2	2	0.0
	Clacton-on-Sea	ois	ois	23	26	Trace	—	0.0
	Dovercourt	ois	ois	23	26	Trace	—	0.0
	Lowestoft	ois	ois	24	26	Trace	0.1	0.2
	Skegness	ois	ois	25	30	3	0.5	0.0
3	Mablethorpe	ois	ois	25	31	5	0.5	0.0
	Cleethorpe	ois	ois	26	31	6	3	0.0
	Leamington S.	bc	cpso	21	27	—	Trace	2.5
	Cheltenham	m.bcc	cois	18	27	—	Trace	3.6
	Bath	b	bccs	21	27	—	Trace	5.0
	Weymouth	c	bccs	22	28	—	Trace	3.5
	Jersey	cpb	bcc	22	30	—	Trace	0.0
	Torquay	bc	beb	23	29	—	—	2.1
	Falmouth	b	b	23	30	—	—	6.3
	Penzance	b	b	24	32	—	—	7.0
4	St. Ives	sbcb	bcc	24	30	—	2	5.6
	Bude	cbcc	soabc	27	31	—	Trace	3.3
	Ilfracombe	xcbe	bcc	24	30	—	—	3.7
	Aberystwyth	c	cbcc	27	34	—	—	0.6
	Llandudno	cb	cbcc	24	33	—	—	0.6
	Colwyn Bay	xcbe	bcc	24	33	—	—	2.1
	Rhyl	xcbe	bcc	24	33	—	—	2.1
	Wallassey	xbbe	bcb	25	30	Trace	—	4.4
	Southport	bx	bbx	24	30	Trace	—	4.8
	Blackpool	b	bbx	25	30	Trace	—	5.4
5	Morecambe	cs	csc	22	23	5	1	2.7
	Ilkley	bcis	bccs	21	27	6	3	0.0
	Harrogate	ccish	cish	23	34	1	0.5	0.5
	Berwick-on-T.	cpbs	cpbs	23	35	Trace	1	0.3
	Dunbar	xcbe	bcc	25	30	—	—	2.0
	Troon	bcx	bcc	23	33	—	Trace	2.4
	Douglas	bcx	bcc	23	33	—	Trace	2.4
	Douglas	bcx	bcc	23	33	—	Trace	2.4
	Douglas	bcx	bcc	23	33	—	Trace	2.4
	Douglas	bcx	bcc	23	33	—	Trace	2.4

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

Scale 1:10,000,000

Statute Miles



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st December, 1938.

1 S.E. England	Moderate or fresh northerly winds; periods of snow with some considerable falls; cold but temperature rather higher than of late.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate or fresh northerly winds; bright periods and occasional snow showers; cold.
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	Light variable winds; fair periods, occasional snow showers; cold.
17 N.W. Ireland	
18 N.E. Ireland	As 11 - 14.
19 S.E. Ireland	
20 S.W. Ireland	As 15 - 17.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone is centred over Scandinavia and a wedge of high pressure extends over Scotland and Ireland. Temperature will tend to rise over England but will not probably rise above freezing point. There will be snow in many places especially in England and Wales.

FURTHER OUTLOOK.

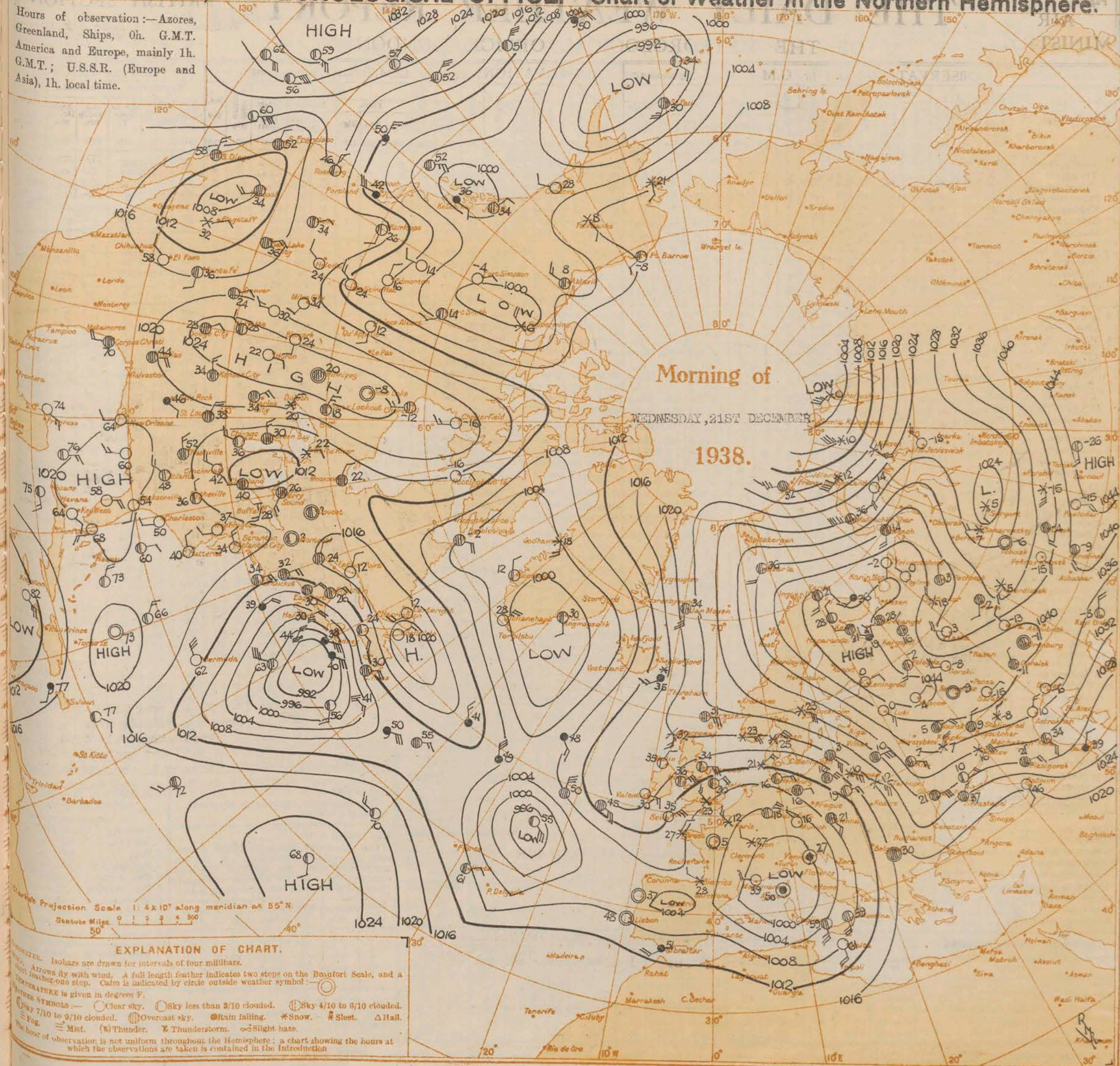
Little change.

Forecasts issued at 10.30 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday, 21st December, 1938.
No. 28153

OBSERVATIONS at 1 hr. G.M.T. 21st December.														OBSERVATIONS at 7 hr. G.M.T. 21st December.														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visiblity. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visiblity. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		Sun-shine (36)		
					Direc. (3)	Force (4)					Form.			Amount.				Height of Base. (feet) (14)	Direc. (17)					Force (18)	Form.			Amount.			Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)		Night 18h-7h mm. (35)	
											Low (9)	Med. (10)	High (11)	Low 0-10 (12)	Total 0-10 (13)										Low (23)	Med. (24)	High (25)	Low 0-10 (26)										Total 0-10 (27)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1007.2	-0.2	NNW	5	2	25	85	5	5	-	-	10	10	1500	3	*	27	21	16	Tr	Tr	2.5			
	Croydon	217	1003.8	-0.2	NNW	3	15	25	85	5	5	-	10	1007.2	-0.4	NNW	5	2	25	85	5	5	-	-	10	10	2500	3	*	26	22	22	0.1	0.1	2.2			
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1007.5	-0.6	NNW	5	2	25	92	5	5	-	-	10	10	1500	8	*	27	18	14	0.2	0.2	2.2			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1008.8	-0.4	N	4	3	25	85	5	5	-	-	10	10	450	4	*	25	17	11	Tr	Tr	3.2			
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	1008.7	-0.4	NNW	5	2	27	85	5	5	-	-	10	10	450	4	*	23	23	21	Tr	Tr	3.0			
	Lympne	346	1007.1	-0.2	N/E	4	15	24	75	4	5	-	10	1006.1	-0.4	ESE	2	3	23	92	4	2	-	-	10	10	450	3	*	22	21	20	0.4	0.1	0.0			
	Manston	154	1006.0	-0.2	NNE	5	15	24	75	5	5	-	10	1004.9	-0.2	NEE	5	3	26	85	5	5	-	-	10	10	1500	8	*	25	23	22	0.5	0.5	0.0			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1005.2	-0.4	N	3	3	24	92	5	5	-	-	10	10	1500	8	*	25	20	21	4	0.4	0.0			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1006.5	-0.2	N	3	3	25	92	4	5	-	-	10	10	800	8	*	26	23	23	0.2	0.5	0.0			
	Gorleston	5	1008.5	-0.4	NEE	5	28	85	5	5	-	-	9	1006.7	+0.4	ENE	2	3	30	85	5	5	-	-	10	10	1500	4	*	29	26	25	Tr	0.1	0.0			
	Mildenhall	19	1008.7	-0.2	N/E	2	26	97	5	5	-	-	2	1006.9	-0.10	N/W	3	3	25	97	5	5	-	-	7-8	7-8	2500	8	*	27	12	5	0.4	1	3.4			
	Cranwell	240	1008.3	-0.2	N/E	2	26	97	5	5	-	-	2	1010.2	-0.2	NNW	3	3	25	92	5	5	-	-	4-6	4-6	2500	9	*	27	13	15	3	8	0.0			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1011.1	0	NNW	3	bc	22	85	5	5	-	-	0	2-3	8	*	26	22	13	0.1	0.4	0.5				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1009.3	-0.2	NNW	3	bc	24	97	5	5	-	-	10	10	800	4	*	25	20	15	0.1	0.4	3.2			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1011.3	-0.4	N	3	bc	25	85	7	5	-	-	4-6	4-6	2500	8	*	27	22	17	Tr	-	2.7			
5	Hartland Point	299	1011.8	0	N/E	4	bc	31	75	8	8	-	4-6	1011.1	-0.2	NE	4	bc	31	75	8	8	-	-	4-6	4-6	1500	3	3	32	30	15	Tr	-	5.0			
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1010.6	-0.4	NE	4	bc	26	85	5	5	-	-	9	9	1500	3	*	27	24	13	-	-	*			
	Portland Bill	32	1009.9	-0.2	NNE	4	c	25	92	7	5	-	7-8	1008.9	-0.10	NE	4	c	25	92	7	5	-	-	7-8	7-8	2500	3	4	29	23	*	-	-	6.5			
	Plymouth	82	1009.9	-0.2	NNE	4	c	25	92	7	5	-	7-8	1008.9	-0.10	NE	4	c	25	92	7	5	-	-	7-8	7-8	2500	3	4	29	23	*	-	-	6.5			
	The Lizard	240	1012.2	-0.4	NNE	3	bc	26	75	8	8	-	2-3	1011.2	-0.2	N	3	b	26	85	7	5	-	-	0	0	2500	3	1	29	26	22	-	-	3.1			
	Silly (St. Mary's)	163	1012.1	0	NEE	5	bc	35	55	8	5	-	2-3	1012.2	-0.2	NEE	5	c/ps	35	65	8	3	C	-	7-8	9	800	4	3	35	31	*	0.3	0.1				
	Guernsey	175	1008.1	0	N/E	5	0	30	92	8	5	-	10	1007.1	-0.19	NNW	4	c	31	92	7	8	-	-	7-8	7-8	2500	9	4	30	26	27	3	*	0.1			
6	Pembroke	142	1013.5	0	NEE	4	bc	30	85	7	1	-	2-3	1013.9	+0.4	NE	4	bc	29	75	7	2	-	-	2-3	2-3	2500	3	2	32	27	*	-	-	4.9			
7	Holyhead	26	1014.4	-0.2	NE	5	bc/ps	33	65	8	2	-	2-3	1014.7	0	NE	4	bc	36	65	8	2	-	-	4-6	4-6	2500	4	2	33	30	30	Tr	0.3	2.3			
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1014.0	0	NNW	3	bc	26	75	5	5	-	-	Tr	Tr	2500	6	*	30	24	18	Tr	-	1.3			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1013.4	+0.2	NNW	2	bc	19	92	5	5	-	-	0	0	2500	4	*	30	19	16	Tr	Tr	2.0			
10	Spurn Head	29	1009.5	-0.10	NEE	4	bc/ps	30	92	7	5	-	4-6	1008.9	-0.4	NE	5	bc/ps	31	97	7	8	-	-	4-6	4-6	1500	9	4	31	27	*	Tr	2	0.2			
	Catterick	175	1014.6	-0.4	E	6	bc/ps	34	75	8	2	-	4-6	1013.5	-0.2	NNW	3	bc/ps	27	97	7	8	-	-	4-6	4-6	1500	8	*	30	21	*	4	2	0.2			
	Tynemouth	108	1014.6	-0.4	E	6	bc/ps	34	75	8	2	-	4-6	1013.5	-0.4	NE	5	bcq	35	85	8	2	-	-	4-6	4-6	1500	8	4	30	30	28	1	1	0.0			
11	St Abbs Head	260	1016.7	-0.2	ENE	2	bc/ps	30	85	8	3	C	2-3	1015.8	-0.4	NNE	3	c	31	85	8	8	C	-	7-8	9	1500	9	3	35	27	*	2	2	*			
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1018.1	+0.2	N	2	bc	23	85	9	8	-	-	2-3	2-3	1500	8	*	31	22	21	3	7	0.1			
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1018.9	+0.2	SSW	1	b	23	75	8	5	-	-	0	Tr	8	*	31	20	13	-	-	2.8				
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1016.9	-0.2	N/E	2	c/ps	25	85	5	5	-	-	7-8	7-8	800	8	*	29	21	15	2	2	3.7			
	Point of Ayre	30	1016.6	-0.2	ENE	5	bc	33	97	8	4	-	2-3	1016.3	-0.2	NE	4	bc	32	97	8	3	-	-	2-3	2-3	2500	3	3	35	31	*	-	-	1.2			
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1019.0	0	ESE	2	ss	31	97	5	5	-	-	9	9	1500	8	1	35	28	21	-	Tr	2.3			
13B	Stornoway	80	1020.4	-0.2	S	3	ss	32	97	4	-	-	19	1019.3	-0.4	WSW	2	bc	33	85	7	5	-	-	4-6	4-6	2500	7	1	30	31	*	Tr	1	9.0			
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	1019.2	-0.4	S	1	m	19	97	4	5	-	-	10	10	800	4	*	21	18	12	-	-	1.3			
	Aberdeen	79	1020.7	-0.2	WNW	3	c	28	97	8	5	1	4-6	1019.4	-0.4	WNW	2	ps	24	92	5	5	-	-	4-6	4-6	1500	7	3	33	24	23	4	2	0.8			
	Wick	81	1020.7	-0.2	WNW	3	c	28	97	8	5	1	4-6	1019.4	-0.4	WNW	2	ps	24	92	5	5	-	-	4-6	4-6	1500	7	3	33	24	23	4	2	0.8			
16	Lerwick	156	1022.8	-0.10	E	5	c	31	97	8	7	-	4-6	1021.0	-0.4	E	3	bc	30	92	8	8	3	-	2-3	4-6	1500	8	*	35	27	*	1	Tr	Tr			
17	Blackad Point	18	1020.0																																			

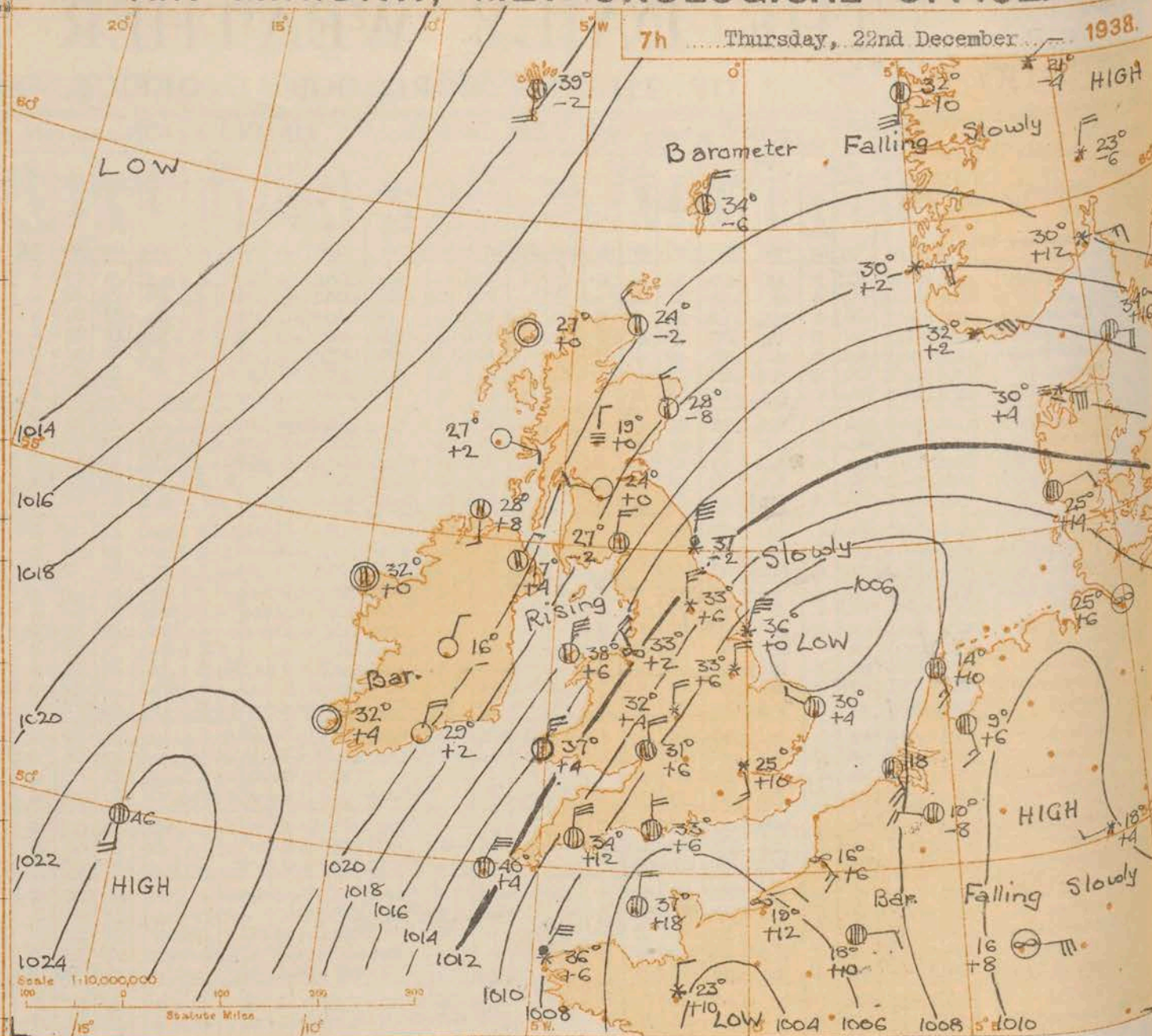
Note.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C. 2

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs.)
		Fore-noon.	After-noon.	Min. 9h. 20th to 9h. 21st.	Max. 9h. 17h. 21st.	Night. 17h. 20th to 9h. 21st.	Day. 9h. 17h. 21st.	
1	Tunbridge W.	OSO	OSO	18	27	1	2	0.0
	Bournemouth	ps.	ps.	20	30	*	*	0.0
	Ventnor	OSX	OSU	21	28	—	1	0.0
	Southsea	OS	OS	22	30	Trace	1	0.0
	Bognor Regis	ois	ois	19	29	0.3	0.5	0.0
	Littlehampton	OS	OS	17	29	0.3	1	0.0
	Worthing	OS	OS	20	29	Trace	Trace	0.0
	Brighton	is	isss	19	29	Trace	Trace	0.0
	Eastbourne	OS	SSS	21	28	2	1	0.0
	Hastings	OSSS	SSSS	20	26	7	1	0.0
2	Folkestone	mos	ois	22	29	10	1	0.0
	Dover	OSs	OSs	21	29	11	1	0.0
	Deal	* SSS	* SSS	21	29	10	3	0.0
	Ramsgate	S	S	22	28	*	*	0.0
	Margate	CS	CS	22	24	4	2	0.0
	Southend	OMSS	OMSS	20	27	1	6	0.0
	Clacton-on-Sea	OSs	OSs	21	28	5	16	0.0
	Dovercourt	OSs	OSs	22	29	5	5	0.0
	Lowestoft	CIS	CIS	23	29	1	2	0.0
	Skegness	OSOS	OSOS	26	34	4	2	0.0
3	Mablethorpe	OSs	OSs	26	35	3	0.5	0.0
	Cleethorpe	CIS	CIS	27	35	3	3	0.0
	Leamington S.	CC	CO	21	31	1	—	0.3
	Chesterham	MOCCO	ois,m	22	30	Trace	Trace	0.0
	Bath	cbcb	bcc	24	32	Trace	Trace	1.7
	Weymouth	C	CIS	23	32	Trace	Trace	0.0
	Jersey	SQC	SQC	26	33	13	3	0.0
	Torquay	bzob	bbsq	24	34	Trace	—	5.1
	Falmouth	bbsbc	b	22	35	—	Trace	6.5
	Penzance	cpbs	beps	26	38	Trace	Trace	4.1
4	St. Ives	bc	b	24	36	—	—	6.1
	Bude	bc	b	24	36	—	—	6.1
	Ilfracombe	cbc	cbc	27	37	—	—	2.1
	Aberystwyth	xbc	bc	22	34	—	—	6.5
	Llandudno	cbc	cbcc	32	35	—	—	1.2
	Colwyn Bay	cbc	cbcc	32	35	—	—	0.2
	Rhyl	bc	bc	30	35	—	—	3.3
	Wallassey	xb	b	25	32	—	—	5.7
	Southport	b	b	24	32	Trace	—	6.0
	Blackpool	b	b	25	33	Trace	—	6.0
5	Morecambe	b	b	25	33	Trace	—	6.0
	Ilkley	cosc	C	20	30	1	0.5	1.4
	Harrogate	obis	obis	22	28	3	1	0.7
	Berwick-on-T.	bbsb	bbsb	29	36	2	1	1.8
	Dunbar	chsx	chs	27	35	0.5	0.3	2.0
	Troon	xmbs	bccs	23	30	—	—	2.0
	Douglas	bcs	bc	28	34	—	—	2.9

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.

DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd December, 1938.
1 S.E. England	Light variable winds, becoming northwest later; fair periods, occasional snow; very cold, probably with very sharp frost at night.
2 E. England	
3 E. Midlands	Light or moderate north or northwest winds; periods of snow with considerable falls; very cold.
4 W. Midlands	
5 S.W. England	
6 South Wales	Strong northerly winds, a gale at times; fair periods; occasional snow; very cold.
7 North Wales	
8 N.W. England	
9 N. Midlands	As 3 - 4.
10 N.E. England	Fresh or strong northerly winds, a gale at times; occasional snow, with probably some heavy falls later; cold but temperature probably tending to rise.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Strong northerly winds, a gale locally; bright periods; occasional scattered snow showers; cold.
13 { A.W. Scotl. B.N.W. Scot- land.	Light variable winds; bright periods; cold.
14 Mid Scotland	
15 N.E. Scotland	As 10 - 11.
16 Orkney and Shetland	As 13B- 14.
17 N.W. Ireland	
18 N.E. Ireland	As 12 - 13A.
19 S.E. Ireland	
20 S.W. Ireland	As 13B. - 14.

H.M. Stationery Office Press, Kingsway, W.C.2.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough, High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A ridge of high pressure lies along our northwest seaboard and a shallow complex disturbance over the Continent will probably move to the North Sea. There will be snow in many places particularly in the Midlands and in Northeast England and later in East Scotland. There is a probability that temperature will rise in the Northeast.

FURTHER OUTLOOK.

Cold but probability that temperature will be rather higher than of late.

Time of Issue of Gale Warnings.

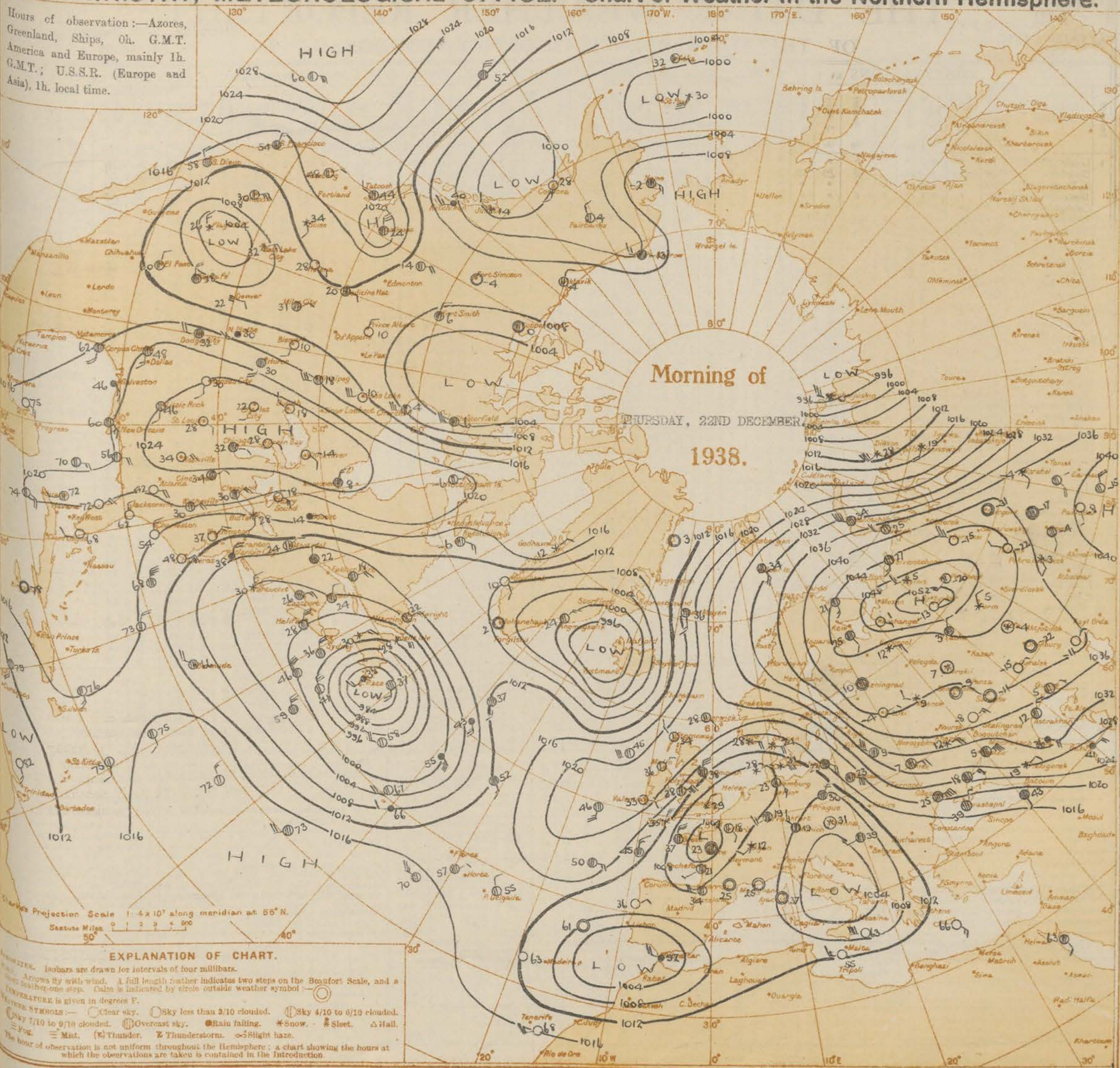
North Cone hoisted at 0900 on 22nd in districts 6, 7, 8, 10, 11, 18, 19 and parts of 2 and 5.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



PAST 24 HOURS.

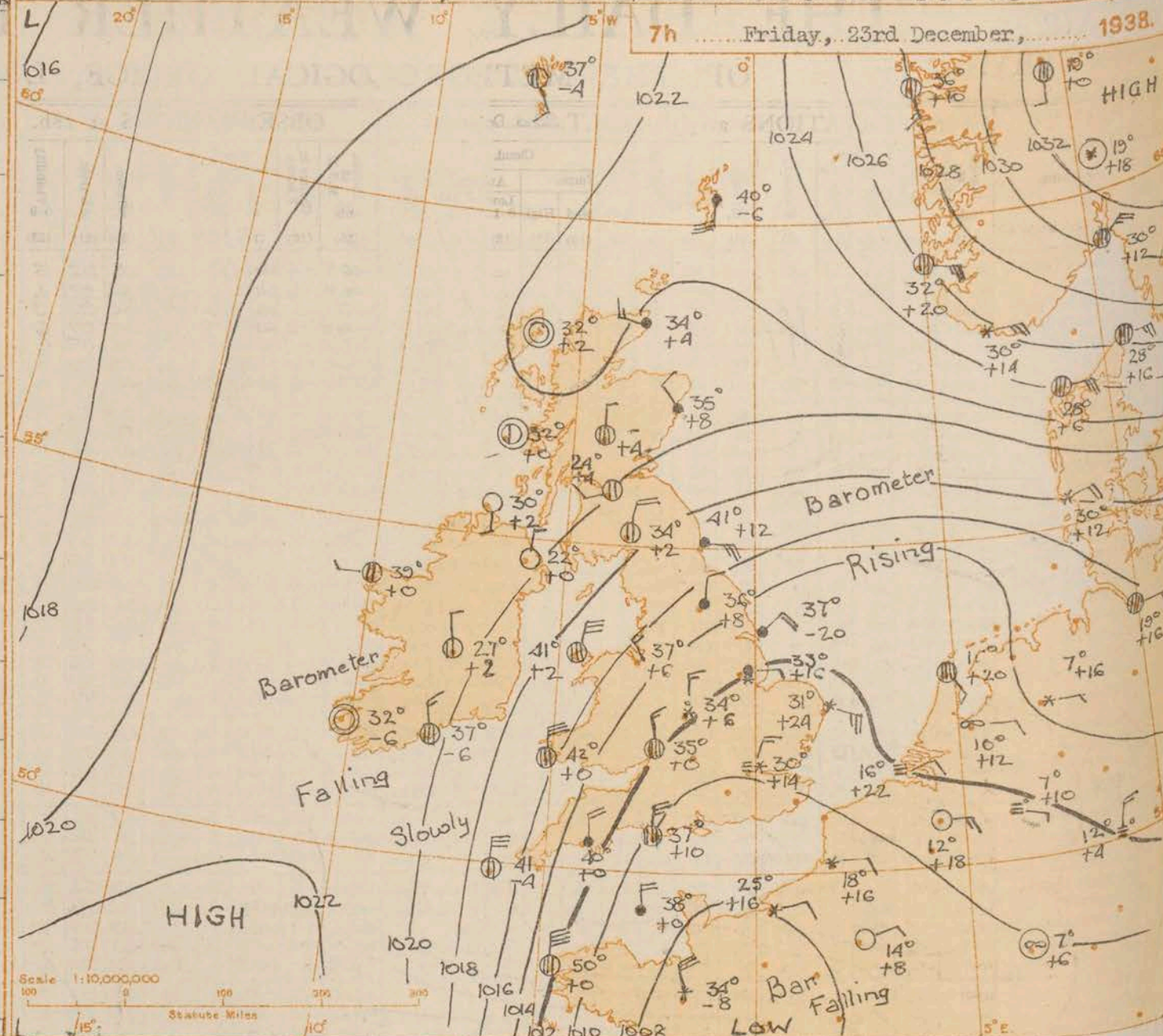
† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 22nd, December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 21st. to 9h. 22nd.	Max. 9h. 17h. 22nd.	Night. 17h. 21st. to 9h. 22nd.	Day. 9h. 17h. 22nd.	
1	Tunbridge W.	oco	o	19	28	3	-	0.1
	Bournemouth	so	o	27	34	3	0.5	0.1
	Ventnor	os	ors	26	34	6	1	0.0
	Southsea	oso	os	26	35	4	0.5	0.0
	Bognor Regis	ois	ois	24	31	0.5	0.5	0.0
	Littlehampton	c	corS	24	31	1	1	0.0
	Worthing	c	os	23	32	0.5	Trace	0.0
	Brighton	cosc	cosc	24	31	Trace	Trace	0.1
	Eastbourne	o	o	23	31	0.2	-	0.0
	Hastings	omo	o	21	29	0.5	-	0.0
2	Folkestone	mo	oos	21	29	-	1	0.0
	Dover	o	os	21	30	Trace	0.3	0.0
	Deal	o	o	20	28	4	-	0.0
	Ramsgate	o	o	22	28	1	-	0.0
	Margate	c	cs	21	33	1	0.5	0.0
	Southend	omco	omf	23	32	2	-	0.0
	Clacton-on-Sea	oc	co	24	31	1	-	0.0
	Dovercourt	ocs	acs	24	32	3	0.3	0.0
	Lowestoft	c	crscs	29	32	2	Trace	0.0
	Skegness	oror	oco	29	39	5	0.0	0.0
3	Mablethorpe	oro	opo	33	38	12	2	0.0
	Cleethorpes	cr	cr	31	39	14	2	0.0
	Leamington S.	ops	ops	24	34	5	3	0.0
	Chesterhamf	mo	ois	24	34	5	Trace	0.0
	Bath	so	so	27	35	2	0.3	0.0
	Weymouth	os	ois	27	34	3	0.2	0.0
	Jersey	spc	spc	26	34	-	8	0.0
	Torquay	ois	oebc	28	36	1	0.1	0.0
	Falmouth	bc	bepcq	33	43	-	Trace	2.9
	Penzance	cbc	bc	31	40	-	-	1.8
4	Bude...	oc	woc	31	40	-	-	0.0
	Ilfracombe	c	c	32	38	-	-	0.0
	Aberystwyth	c	c	34	38	-	-	0.0
	Llandudno	coc	cbcc	33	38	-	-	0.0
	Colwyn Bay	c	c	33	38	-	-	0.0
	Rhyl	c	c	33	38	-	-	0.0
	Wallasay	c	cs	27	36	Trace	Trace	0.0
	Southport	c	cbcc	28	35	-	-	0.0
	Blackpool	c	c	26	36	-	-	0.0
	Morecambe	o	oso	26	35	1	0.3	0.0
5	Hikley	osss	osss	25	33	3	2	0.0
	Harrogate	csbc	cps	31	39	0.3	Trace	0.0
	Berwick-on-T.	chs	cpso	28	38	7	0.5	0.0
	Dunbar	ymbcc	ebcc	19	35	-	-	4.8
	Troon	bex	bc	29	36	-	-	4.0
	Douglas							

Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T., 23rd December, 1938.

1 S.E. England	Freshening east or northeast winds; cloudy or dull with periods of rain, sleet or snow. rather less cold than of late but temperature probably falling again later.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	Freshening east or northeast winds; cloudy or dull with periods of rain, sleet or snow; rather less cold than of late.
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	Light variable winds; bright periods, occasional showers, or local rain; becoming less cold.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	Fresh or strong south or southeast winds; occasional rain; average temperature.
17 N.W. Ireland	
18 N.E. Ireland	As 12 - 15.
19 S.E. Ireland	
20 S.W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2.

67453/599 H. 4054. D. 3785. Gp. 349 3/4 12/38

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough. High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A feeble ridge of high pressure lies over Scotland and Ireland and a depression is centred over Western France. There will be periods of rain, sleet or snow over many districts of England and Wales. Temperatures will be generally higher than of late but it is probable that cold easterly winds will develop and temperature will fall again in Southeast England.

FURTHER OUTLOOK.

Continuing cold in the East and Southeast.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S. Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. C.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

1938.

HIGH

19° +18

30° +12

25° +16

19° +18

30° +12

25° +16

19° +18

30° +12

25° +16

19° +18

30° +12

25° +16

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25° +16

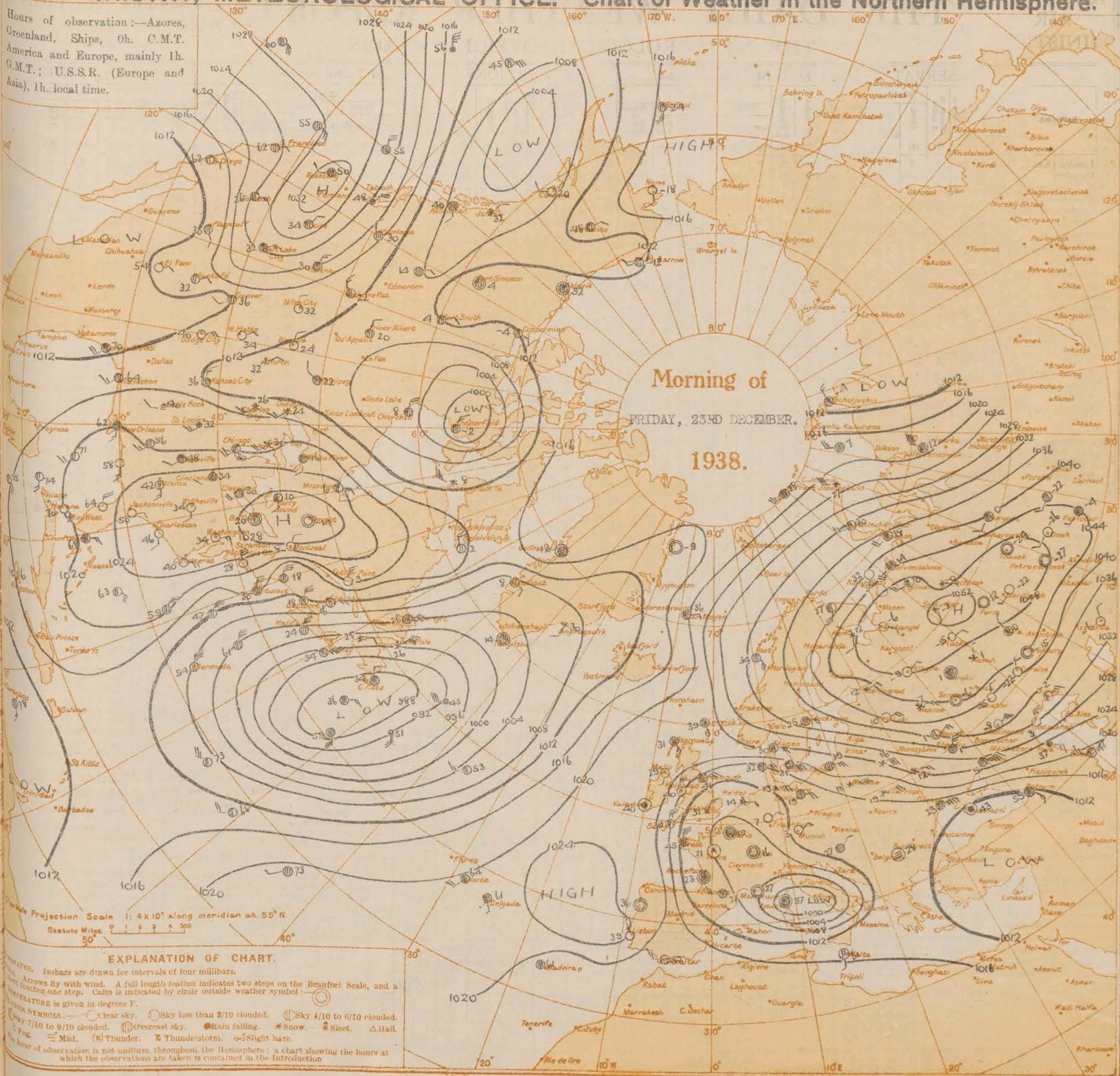
19° +18

30° +12

25° +16

19° +18

Morning of
FRIDAY, 23RD DECEMBER.
1938.



Projection Scale 1:4x10⁷ along meridian at 55° N.
Statute Miles 0 100 200 300 400 500

EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather, one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
CLOUD SYMBOLS.—○ Clear sky. ○ Sky less than 3/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ● Rain falling. * Snow. * Sleet. △ Hail.
☁ Mist. (R) Thunder. R Thunderstorm. S Slight haze.
The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction

A.R.C.S.
ector.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Friday, 23rd December, 1938.
No. 28155.

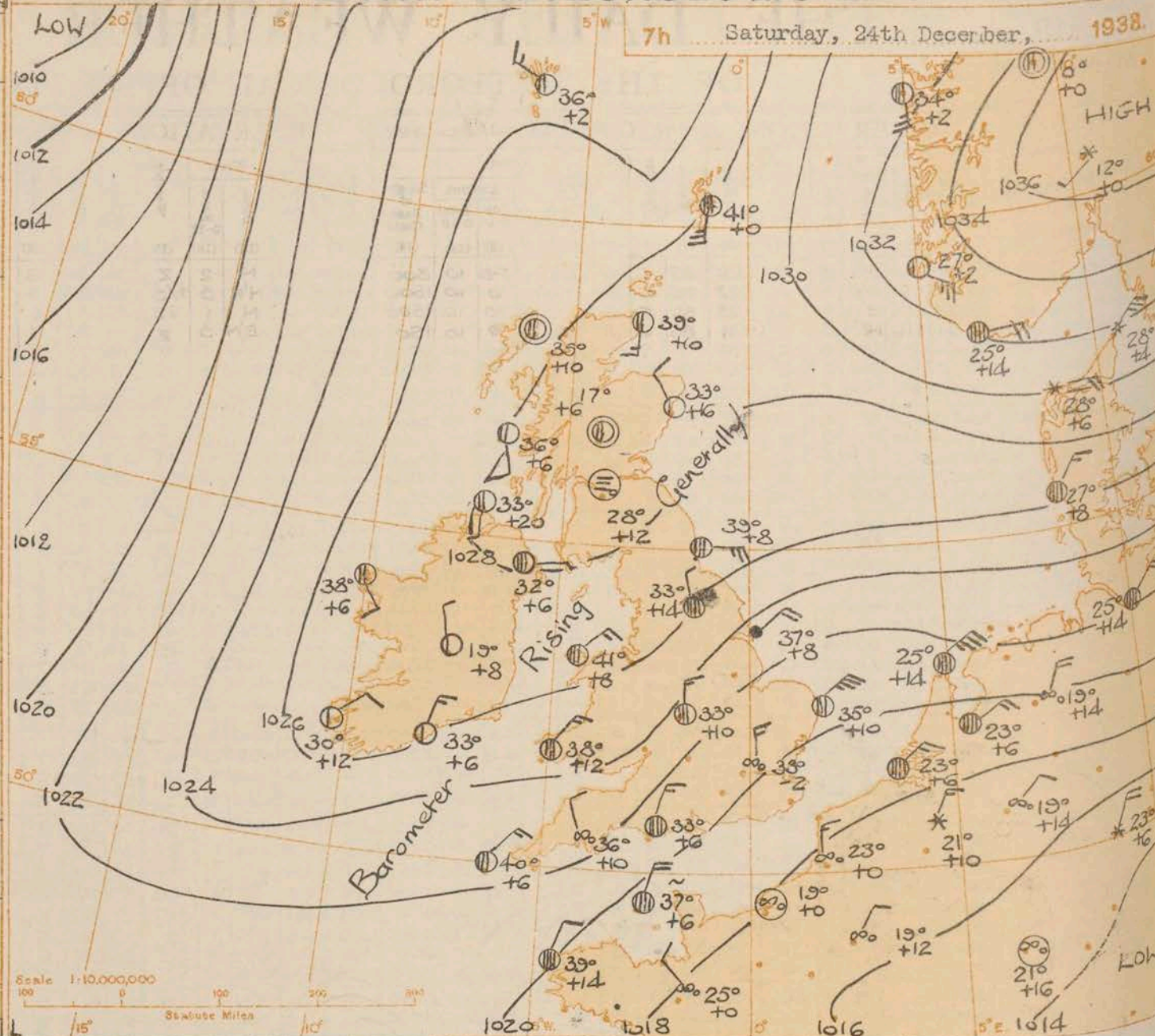
OBSERVATIONS at 1 hr. G.M.T. 23rd December														OBSERVATIONS at 7 hr. G.M.T. 23rd December														PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (6)	Temp. °F. (7)	% Humid. (8)	Visib. 0-9 (9)	Cloud.			Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	% Humid. (21)	Visib. 0-9 (22)	Cloud.			State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUN-SHINE 22nd Hr. (36)						
					Dir.	Force 0-12 (4)					Low (10)	Med. (11)	High (12)			Low 0-10 (13)	Total 0-10 (14)					Dir.	Force 0-12 (18)	Low (23)			Med. (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)		Max. Day 7h-18h °F. (31)	Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)	
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	1010.3	+10	NE	2	S.s.	31	92	5	6	2	-	10	10	800	8	*	35	30	30	3.2	6	0.0				
	Croydon	217	1008.8	+14	NE	4	sh	31	92	5	-	2	-	10	10	1500	1010.2	+14	NE	3	sh	30	85	4	-	2	-	10	10	450	7	*	34	29	24	4	4	0.0
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	1010.3	+18	ENE	3	S.s.	31	92	5	5	-	-	10	10	1500	7	*	34	31	29	4	4	0.0				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	1010.3	-4	N	5	is.	33	92	4	5	-	-	10	10	450	8	*	33	31	30	1	3	0.0				
	Calshot (Stmnts.)	8	*	*	*	*	*	*	*	*	*	*	1009.6	-8	NW	5	is.	36	92	7	5	-	-	10	10	800	6	2	35	32	25	0.4	2	0.0				
	Lympe	346	1008.1	+8	N	2	S.s.	28	97	4	6	-	-	10	10	450	1011.0	+18	EN	3	S.s.	25	85	5	5	-	-	7.8	10	2500	9	2	26	25	23	1	2	0.0
	Manston	154	1007.2	0	ENE	1	sh	30	85	4	-	2	-	10	10	300	1010.8	+26	E.S.	2	9/3	27	85	5	-	2	-	10	10	1500	9	*	31	27	*	*	2	0.0
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	1010.9	+20	ESE	3	Z.	31	85	6	5	-	-	10	10	1500	9	*	33	29	28	Tr	0.5	0.0				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	1011.1	+22	ENE	3	is.	31	85	7	5	-	-	10	10	1500	8	2	32	28	28	0.3	3	0.0				
	Gorleston	5	1008.4	-2	ESE	2	ps	31	92	6	6	-	-	10	10	1500	1011.7	+24	ESE	5	S.s.	31	85	6	6	-	-	10	10	1500	9	3	35	30	30	0.3	1	0.0
	Mildenhall	19	1009.0	-6	NW	2	S.s.	31	97	4	5	-	-	10	10	800	1012.0	+34	NE	3	is.	30	92	6	-	2	-	10	10	1500	9	*	33	30	29	0.6	5	0.0
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	1012.8	+16	E	1	is.	33	92	4	5	-	-	10	10	450	9	*	35	30	28	7	*	0.0				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	1013.0	+6	N	3	ps	34	97	5	6	-	-	10	10	800	8	*	32	32	32	2	4	0.0				
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	1011.7	+20	N	4	is.	33	92	5	5	-	-	10	10	450	6	*	33	32	32	2	2	0.0				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	1012.9	0	NW	3	0	35	85	6	5	-	-	10	10	1500	6	*	34	33	31	Tr	2	0.0				
5	Hartland Point	299	1013.7	0	N	8	c	40	75	8	5	-	-	9	9	1500	1013.6	-2	N	8	c	42	75	8	8	-	-	7.8	7.8	1500	0	4	40	39	39	-	2	0.0
	Bristol	209	*	*	*	*	*	*	*	*	*	*	1012.0	+4	N	4	is.	35	92	6	6	-	-	10	10	1500	6	*	34	33	31	0.5	2	0.0				
	Portland Bill	32	1006.3	-2	N	5	0	35	92	7	5	-	-	10	10	1500	1009.8	+10	N	5	0	37	92	7	5	-	-	10	10	1500	1	4	*	30	*	2	0.0	
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	1012.6	0	NW	4	is.	40	85	6	5	-	-	10	10	800	1	2	38	36	34	Tr	0.2	0.0				
	The Lizard	240	1014.8	+8	NE	4	c	40	75	8	8	2	-	7.8	9+	2500	1015.2	+4	NW	5	bc	41	75	8	8	6	-	4.6	4.6	2500	1	3	40	38	*	Tr	-	0.0
	Scilly (St. Mary's)	163	1017.3	0	N	6	bc	39	65	8	4	-	-	2.3	2.3	2500	1016.5	-4	N	6	bc	41	55	8	8	-	-	2.3	2.3	2500	1	4	41	39	*	3	3	0.0
	Guernsey	175	1007.9	-6	NNW	5	ro.	39	75	6	5	-	-	10	10	1500	1008.7	0	N	4	is.	38	85	6	5	-	-	10	10	1500	6	4	38	36	34	3	3	0.0
6	Pembroke	142	1016.7	+4	N	6	bc	40	65	7	5	4	0.8	2.3	4.6	1500	1016.1	0	N	6	cq	42	75	7	8	-	-	7.8	7.8	1500	1	3	40	38	*	Tr	-	2.8
7	Holyhead	26	1016.9	-2	NE	6	b	40	85	8	1	-	8	Tr	1	2500	1016.8	+2	NNE	6	c	41	75	8	5	-	8	4.6	9	4000	1	3	40	38	34	Tr	-	2.5
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	1015.8	+6	NW	3	is.	37	85	7	6	2	-	3	10	2500	1	*	36	35	32	Tr	0.2	0.0				
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	1015.1	+6	NNE	3	c	38	85	7	5	-	-	10	10	1500	1	*	35	34	32	Tr	0.2	0.0				
10	Spurn Head	29	1010.1	0	NE	5	pr	38	92	7	5	-	-	10	10	800	1012.6	-20	NEE	4	ro.	37	92	7	5	-	-	10	10	800	2	4	38	35	*	2	5	0.0
	Catterick	175	*	*	*	*	*	*	*	*	*	*	1016.0	+8	NE	2	is.	36	87	6	6	-	-	10	10	1500	6	*	35	33	32	2	2	0.0				
	Tynemouth	108	1014.6	+6	NE	5	c/r	41	85	7	6	-	-	10	10	800	1016.6	+12	E	5	is.	41	85	7	-	2	-	10	10	1500	1	3	41	39	37	1	3	0.0
11	St Abbs Head	280	1017.8	0	N	5	ir	40	85	8	3	2	-	7.8	10	1500	1018.2	+8	NE	4	ro.	40	92	7	3	2	-	7.8	10	1500	1	4	39	38	*	4	2	0.0
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	1020.1	+2	N	1	bc	36	85	3	4	5	-	-	2.3	2.3	4000	7	*	34	30	21	-	-	5.8			
12	Renfrew (Abbotsl.)	19	*	*	*	*	*	*	*	*	*	*	1020.8	+4	WSW	2	bc	24	92	8	5	5	-	-	1	2.3	2500	8	*	34	21	14	-	-	1.0			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	1018.4	+2	NNE	4	bc/ps	34	85	7	5	-	-	4.6	4.6	800	6	*	31	29	24	Tr	-	3.4				
	Point of Ayre	30	1018.3	0	NNE	5	bc	37	75	8	5	-	-	2.3	2.3	2500	1018.4	0	NEN	5	b	39	75	8	5	-	-	1	1	2500	0	3	38	35	*	-	-	0.0
13a	Three	22	*	*	*	*	*	*	*	*	*	*	1021.7	0	ENE	1	b	32	97	9	-	-	-	0	-	-	3	1	37	25	14	-	-	6.1				
13b	Stornoway	80	1022.2	-2	SE	3	c	31	85	8	5	-	-	7.8	7.8	4000	1022.5	-2	N	0	b	32	85	8	5	-	-	1	1	4000	7	0	36	28	*	-	-	2.0
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1021.0	+8	NW	1	c	28	97	6	5	-	-	10	10	1500	4	*	26	13	8	-	-	0.0
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	1021.0	+8	NW	2	is.	35	92	6	6	2	-	4.6	10	1500	0	2	35	33	30	0.3	2	0.0				
	Wick	81	1021.1	+2	WNW	3	c	33	97	8	5	7	-	7.8	9+	1500	1021.8	+4	WNW	3	ro.	34	97	7	5	2	-	7.8	10	1500	6	2	39	32	*	Tr	0.1	0.0
16	Lerwick	156	1022.1	0	SSE	1	c	39	75	8	8	2	-	4.6	10	1500	1022.5	-6	8	6	rr	40	92	6	6	2	-	4.6	10	800	1	*	39	36	*	0.2	4	0.0
17	Blacksod Point	18	1020.6	0	-	0	bc	39	97	8	4	-	-	4.6	4.6	2500	1020.7	0	W	1																		

STATIONS.	OBSERVATIONS at 13h. G.M.T. 23rd December.														OBSERVATIONS at 18h. G.M.T. 23rd December.														PAST 24 HOURS.					
	Barom. at station mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.					Barom. at station mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility.	Cloud.					State of Ground.	Sea.	WEATHER.					
			Dir.	Force.					Form.	Amount.	Height of Base (feet).	Dir.	Force.			Form.	Amount.					Height of Base (feet).	Dir.	Force.	Form.	Amount.			Height of Base (feet).	7h.—18h. 23rd	18h.—18h. 23rd	1st-24th 24th	1h.—7h. 24th	
																																		(1)
(For heights see p. 4.)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)
1 London (New)	1015.0	+10	SE	2	is.	28	85	4	6	2	-	7-8	10	800	1018.0	+4	N	2	z.	30	85	6	5	-	-	10	10	1500	8	*	ossismg	omismg	om.	om.
Croydon	1014.8	+10	ENE	2	is.	27	85	4	5	-	-	10	10	1500	1017.4	+4	N/E	3	f/s	29	85	4	5	-	-	10	10	1500	8	*	omsshs	omsmf	offm	omcm.
S. Farnborough	1015.1	+14	E/N	1	ss.	29	85	5	5	-	-	10	10	1500	1018.4	+4	N	1	is.	29	85	4	5	-	-	10	10	2500	7	*	ossiso	omsmis	oisom	omcm.
Rosecombe Down	1015.1	+16	NE/N	3	z.	31	85	6	5	1	-	9	10	1500	1018.6	+22	NE/N	3	z.	30	92	6	5	-	-	10	10	800	8	*	oisopoc	cm.	ois.	0
Calshot (Schmte.)	1014.6	+16	ENE	3	z.	31	75	5	5	2	-	7-8	10	1500	1018.0	+10	N/E	2	o	30	75	6	5	-	-	10	10	1500	8	2	cmfsg	cm.	c	c
Lymington	1014.3	+2	ENE	2	c	27	75	6	5	-	-	9	9	2500	1017.0	+10	N/NW	3	m	25	92	4	5	-	-	10	10	2500	9	1	cm.	ssom	ommm.	om.
Marston	1014.5	+6	NE	1	ss.	28	75	5	-	2	-	10	10	2500	1016.0	+10	NNE	4	is.	30	75	5	5	-	-	10	10	2500	9	*	omss.	ossiso	oisom	om.
2 Shoeburyness	1014.8	+10	-	0	sh	27	85	5	5	-	-	10	10	800	1017.0	+10	NNE	2	o	29	85	6	5	-	-	10	10	1500	9	*	omshsh	omshsh	om.	om.
Peldestown	1015.1	+10	N	2	ss.	29	92	6	5	2	-	4-6	10	1500	1017.4	+8	N	2	z.	29	92	5	5	-	-	10	10	1500	8	2	oisoss	ossiso	omcm.	ois.
Gorleston	1015.4	+6	E/S	3	ss.	31	85	5	6	-	-	10	10	1500	1017.7	+8	ENE	4	o	33	92	6	5	-	-	10	10	1500	9	3	oisoss	oisom	omcm.	ois.
Mildenhall	1015.7	+10	NE/N	2	is.	30	85	5	-	2	-	10	10	1500	1018.6	+4	N	2	z.	29	97	5	5	-	-	10	10	800	9	*	oisoss	oisom	omcm.	ois.
Granville	1016.1	+8	ENE	1	rs	32	97	5	5	-	-	10	10	450	1019.2	+2	NE	2	d.d.	32	97	4	6	-	-	10	10	450	9	*	omss.	oisom	omcm.	ois.
3 Birmingham	1015.0	+10	NNW	2	of	32	92	3	6	-	-	10	10	450	1018.9	+16	NNE	3	id.	34	85	6	6	-	-	10	10	800	5	*	oisss	oisom	omcm.	ois.
Upper Heyford	1015.9	+6	NNE	2	c/s	31	92	6	5	-	-	10	10	800	1019.3	+22	NNE	3	z.	30	92	5	5	-	-	10	10	800	8	*	oisss	oisom	omcm.	ois.
Ross-on-Wye	1016.2	+10	NEE	2	id.	33	92	6	5	-	-	10	10	800	1018.9	+4	N/E	3	z.	35	75	6	5	-	-	10	10	800	6	*	oisss	oisom	omcm.	ois.
4 Hartland Point	1014.7	-2	NNE	5	c	42	75	8	8	2	-	7-8	9	1500	1018.1	+48	NNE	4	c	40	75	7	8	2	-	4-6	9	1500	1	3	cp	c	c	c
Bristol	1015.7	+14	NE/N	3	z.	33	85	5	-	2	-	10	10	2500	1018.7	+16	-	o	rs	32	97	5	6	2	-	9	10	1500	4	*	oisss	oisom	omcm.	ois.
Portland Bill	1015.9	+20	NE	4	c	34	92	7	5	2	-	4-6	10	2500	1017.4	+24	ENE	4	c	33	92	7	5	-	-	10	10	2500	1	4	oisss	oisom	omcm.	ois.
Plymouth	1014.1	+2	N/E	4	c	41	75	8	5	7	-	4-6	9	2500	1018.3	+26	NNE	4	z.	38	75	6	5	-	-	10	10	1500	1	1	oisss	oisom	omcm.	ois.
The Lizard	1014.6	-2	N/E	5	c	43	75	8	6	-	-	7-8	9	2500	1018.8	+24	N/E	4	c	40	85	7	8	2	-	7-8	10	2500	1	2	oisss	oisom	omcm.	ois.
Solly (St. Mary's)	1016.7	-8	NW	5	bc	44	75	8	4	-	-	4-6	4-6	2500	1017.8	+4	NEN	5	c/r	44	85	8	5	7	-	7-8	9	1500	1	3	bc	c	c	c
Guernsey	1011.2	+14	NNE	4	c	38	75	6	5	-	-	10	10	1500	1015.6	+20	NNE	4	c	36	75	7	5	-	-	10	10	2500	6	4	isphr	oc	o	o
5 Pembroke	1017.4	+4	N/E	4	c	43	75	7	8	7	3	4-6	7-8	1500	1020.6	+14	ENE	5	cq	40	75	7	8	-	-	9	9	1500	1	2	cq	cq	bcc	c
Holyhead	1018.1	+2	NE/N	5	c	43	92	7	7	3	-	4-6	10	2500	1021.5	+22	ESE	5	c	39	85	7	5	3	-	4-6	10	2500	1	1	cbcc	isomc	ombcc	c
Chester (Sealand)	1018.4	+10	NW	3	c/r	38	85	5	6	2	-	9	10	2500	1021.7	+20	NNE	1	z.	37	75	5	6	2	-	9	10	2500	1	*	oisss	oisom	omcm.	ois.
Manchester	1018.6	+12	NE	4	z.	37	75	5	5	2	-	4-6	10	1500	1021.3	+22	NEN	2	z.	36	85	5	5	7	-	4-6	10	1500	1	*	oisss	oisom	omcm.	ois.
6 Spurn Head	1016.0	+10	NNE	5	is.	36	85	7	5	-	-	10	10	800	1019.3	+10	NNE	4	9th	36	85	7	5	-	-	10	10	800	1	3	oisss	oisom	omcm.	ois.
Catterick	1019.4	+10	NE	1	c	36	92	8	5	2	-	7-8	10	1500	1022.1	+18	NNW	1	c	35	97	7	5	7	-	7-8	10	2500	6	*	oisss	oisom	omcm.	ois.
Tynemouth	1019.4	+10	E	5	c/r	40	85	7	6	-	-	10	10	800	1022.1	+10	E	3	c/r	39	85	8	8	-	-	7-8	7-8	1500	1	3	ois	ois	cp	cp
7 St. Abbs Head	1020.7	+6	ESE	4	rr	39	92	8	3	2	-	7-8	10	1500	1023.1	+5	E	4	c	39	85	8	3	2	-	7-8	10	1500	1	4	rrc	c	c	c
Leuchars	1022.2	+4	SW	1	rr	36	97	6	5	2	-	4-6	10	450	1024.3	+14	SE	1	is.	37	92	6	5	2	-	10	10	800	6	*	oisss	oisom	omcm.	ois.
Banff (Abbots.)	1022.3	0	NNW	1	c	36	75	9	5	-	-	7-8	7-8	4000	1024.1	+16	E/S	1	z.	37	85	6	5	-	-	10	10	1500	4	6	oisss	oisom	omcm.	ois.
Eskdalemuir	1020.7	+6	NE/N	3	id.	35	92	6	5	-	-	10	10	450	1023.4	+14	NNE	3	bc	34	97	6	5	-	-	2-3	2-3	800	6	*	oisss	oisom	omcm.	ois.
Point of Ayre	1020.1	+4	ENE	4	c	41	85	7	8	6	-	4-6	9	1500	1022.5	+14	ENE	4	c	41	85	7	8	6	-	4-6	7-8	1500	0	3	bbcc	c	c	c
8 Tiree	1022.6	0	EN	2	bc	36	85	9	5	-	5	7-8	2-3	4000	1023.9	+8	E/N	1	b	30	97	9	5	-	-	7-8	7-8	4000	3	1	bc	bc	b	b
Stormway	1023.5	-2	NNW	1	bc	32	85	8	5	5	-	2-3	4-6	4000	1024.3	+8	NW	1	b	30	85	8	5	-	-	7-8	7-8	4000	7	0	bbc	bc	b	b
9 Dalwhinnie	1023.1	0	-	0	c	32	97	7	5	-	-	10	10	1500	1025.5	+12	-	0	is	31	97	5	5	-	-	10	10	1500	4	*	c	c	c	c
Aberdeen	1023.1	+2	SE	3	id.	39	85	6	5	2	-	9	10	1500	1025.5	+14	SE	2	c	39	75	7	5	-	-	7-8	7-8	1500	6	3	c	c	c	c
Wick	1023.1	+2	W	2	c	35	97	6	5	7	-	7-8	9	800	1025.2	+14	S	3	is.	39	97	7	5	2										

DISTRICT	STATIONS	WEATHER		Temperature (°F.)		Rainfall (mm)		SUNSHINE (hrs)
		Forenoon	Afternoon	Min. 8h. to 9h. 23rd	Max. 9h. to 17h. 23rd	Night 17h. to 9h. 23rd	Day 9h. to 17h. 23rd	
1	Tunbridge W.	o	o	21	30	3	Trace	0.0
	Bournemouth	rs. o	o	32	33	2	0.3	0.0
	Ventnor	or. so	o	28	32	2	-	0.0
	Southsea	os	o	29	33	2	0.5	0.0
	Bognor Regis	o	o	29	31	2	-	0.0
	Littlehampton	o	o	25	32	3	-	0.0
	Worthing	o	o	25	29	0.5	-	0.0
	Brighton	sc. bc	cf	24	31	1	0.3	0.1
	Eastbourne†	o	eco	30	33	2	-	0.4
	Hastings†	cco	bcco	27	32	3	-	0.6
2	Folkestone	m. o	oso	25	29	2	1	0.0
	Dover	oco	ops. o	26	31	3	Trace	0.0
	Deal	o	o	25	35	4	-	0.0
	Ramsgate	o	so	25	32	6	Trace	0.0
	Margate	c	cs	25	33	4	0.5	0.0
	Southend	os	os	25	29	4	1	0.0
	Clacton-on-Sea	oso	o	26	31	1	0.6	0.0
	Dovercourt	soc	soc	28	31	3	Trace	0.0
	Lowestoft	c	is	27	32	0.4	0.2	0.0
	Skegness	morso	or. so	32	39	3	2	0.0
3	Mablethorpe	od. or	or. so	34	35	5	2	0.0
	Cleethorpe	c	cr	35	37	5	Trace	0.0
	Leamington S.	or. so	or. so	32	34	5	0.5	0.0
	Cheltenham†	o	om. rs	32	35	4	Trace	0.0
	Bath	c	c	33	36	1	-	0.0
	Weymouth	c	c	32	37	1	-	0.0
	Jersey	rrc	respc	31	39	12	1	0.0
	Torquay	od. p	p	33	40	1	0.4	0.0
	Palmouth	c	c	37	45	-	-	1.0
	Penzance	cgrn	ebcc	38	44	1	2	0.2
4	St. Ives	dc	c	37	43	Trace	-	0.0
	Bude...	dc	c	37	43	Trace	-	0.0
	Ilfracombe	bccoc	co	37	43	-	-	0.0
	Aberystwyth	c	c	35	41	-	-	0.0
	Llandudno	cd.	cr. m.	37	41	-	0.1	0.0
	Colwyn Bay	po	oco	33	41	Trace	-	0.0
	Rhyl	cm. or	cm.	37	41	0.6	Trace	0.0
	Wallasey	ro	oc	35	40	Trace	Trace	0.0
	Southport	or. cz	cz. oz	33	39	0.3	-	0.0
	Blackpool	or. o	oc. m.	34	38	Trace	Trace	0.0
5	Morecambe	o	o	30	37	2	-	0.3
	Ilkley	oc	co	30	37	2	-	0.3
	Harrogate	co	co	32	35	2	-	0.0
	Berwick-on-T.	ci. r	ci. r	35	41	1	0.6	0.0
	Dunbar	cp. r	cp. r	35	42	1	2	0.0
	Troon	xoc	co	20	38	-	-	0.1
	Douglas	bcr	bv	31	40	-	-	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.

AIR MINISTRY. METEOROLOGICAL OFFICE.



FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th December, 1938.

DISTRICTS	FORECASTS
1 S.E. England	Wind northeast, moderate, cloudy; occasional sleet or drizzle; temperature above freezing point by day but frost at night.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	Wind light variable; mainly bright but fog near large towns; rather cold with sharp frost at night.
7 North Wales	
8 N.W. England	
9 N. Midlands	As 1 - 5.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	As 6 - 8.
13 { A.W. Scotland B.N.W. Scotland	Wind light, variable, freshening from south later; fair at first; rain probable later; becoming milder.
14 Mid Scotland	As 6 - 8.
15 N.E. Scotland	
16 Orkney and Shetland	As 13.
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	As 6 - 8.
20 S.W. Ireland	As 13.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGES from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A ridge of high pressure extends from Scandinavia over Scotland and Ireland and an Atlantic depression is approaching Iceland. Weather will become milder in the extreme West and Northwest but will remain cold in the Southeast with temperatures a little above freezing point by day and frost at night.

FURTHER OUTLOOK.

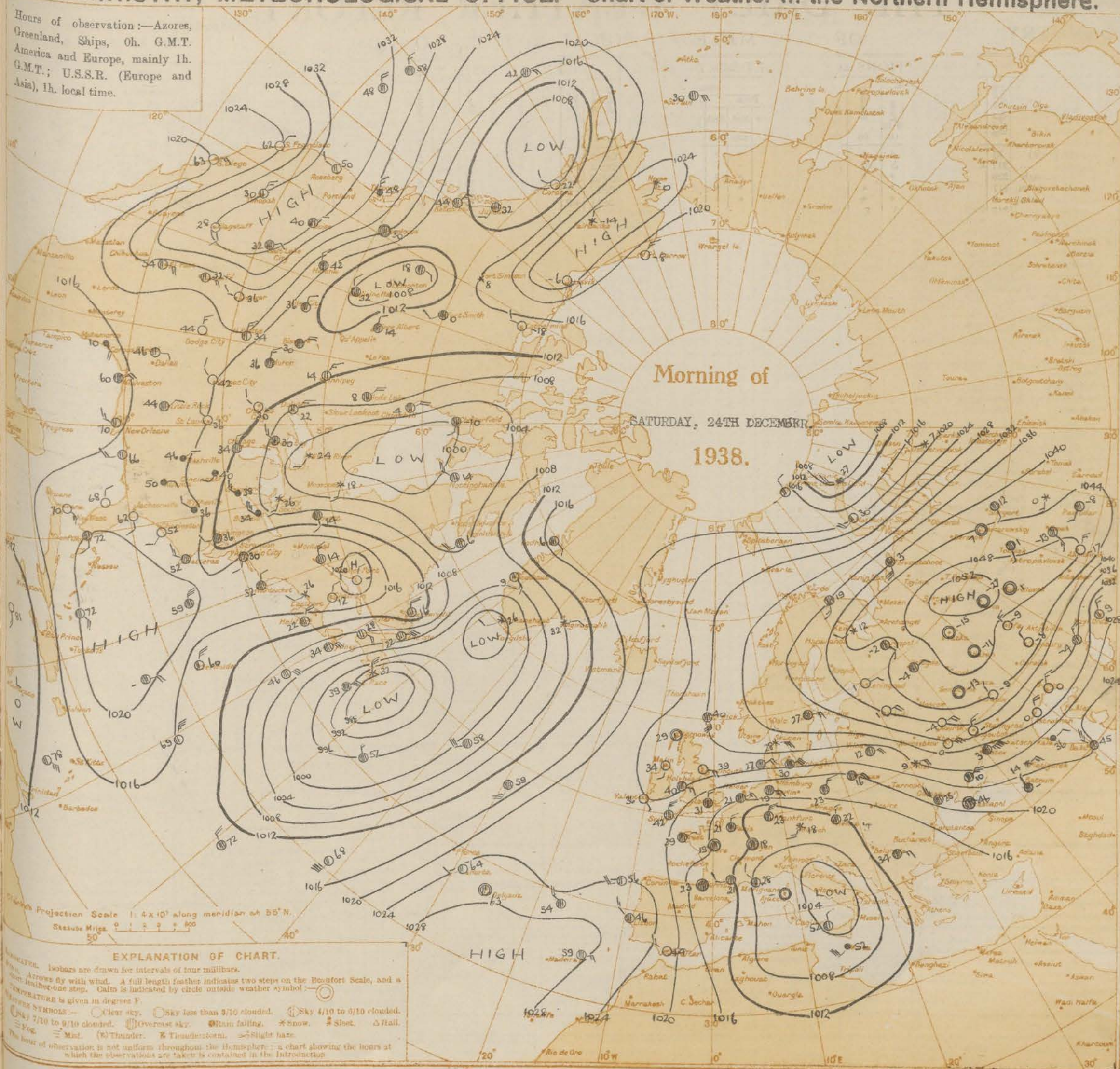
Little change in the Southeast; milder in extreme West and Northwest.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 24th December, 1938.

No. 29156.

OBSERVATIONS at 1 hr. G.M.T. 24th December															OBSERVATIONS at 7 hr. G.M.T. 24th December															PAST 24 HOURS.										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours (2)	Wind.		Weather.	Temp. °F. (6)	°C. (7)	Humid. % (8)	Visibility. 0-9 (9)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours (16)	Wind.		Weather.	Temp. °F. (20)	°C. (21)	Humid. % (22)	Visibility. 0-9 (23)	Cloud.				State of Ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		Sunshine 9th-5th Hrs. (38)				
					Dirce. (3)	Force 0-12 (4)						Low (9)	Med. (10)	High (11)	Low 0-10 (12)			Total 0-10 (13)	Height of Base (feet) (14)						Dirce. (17)	Force 0-12 (18)	Low (23)	Med. (24)			High (25)	Low 0-10 (26)	Total 0-10 (27)	Height of Base (feet) (28)	Max. Day 7h-12h °F. (31)		Min. Night 12h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-12h mm. (34)	Night 12h-7h mm. (35)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1021.0	+2	N	3	2	34	85	6	5	-	-	10	10	1500	8	*	31	23	27	0.2	-	0.0					
	Croydon	217	1013.4	+1	N	5	m	31	85	4	5	-	-	10	10	1020.4	-2	N	3	2	33	85	5	5	-	-	10	10	1500	8	*	30	23	23	1	-	0.0			
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1021.4	+4	NNW	2	c	33	32	5	5	-	-	10	10	2500	7	*	32	27	25	0.3	Tr	0.0					
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1022.1	+8	NE	4	o	33	32	7	5	-	-	10	10	1500	8	*	34	27	24	0.2	Tr	0.0					
	Calshot (Stratn.)	8	*	*	*	*	*	*	*	*	*	*	*	1021.1	+2	NNW	4	c	34	85	7	5	-	-	10	10	2500	6	12	37	28	*	0.3	Tr	0.0					
	Lympe	346	1018.5	+4	NE	3	2	31	75	5	5	-	-	10	10	1019.3	+2	NNW	4	2	32	85	5	5	-	-	10	10	1500	8	*	27	25	25	0.1	Tr	0.0			
	Manston	154	1017.5	+2	NEN	5	2	34	75	6	5	-	-	10	10	1018.8	+2	NNE	6	2	35	85	5	5	-	-	10	10	1500	9	*	30	30	*	0.1	Tr	0.0			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1020.1	+8	NE/N	3	o	33	85	7	5	-	-	10	10	2500	9	*	32	28	27	0.6	-	0.0					
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1019.3	+4	NE	4	o	34	75	7	5	-	-	10	10	1500	8	3	31	28	27	Tr	Tr	0.0					
	Gorleston	5	1013.0	0	ENE	6	c	35	85	7	8	-	-	10	10	1020.8	+10	ENE	7	c/pr	35	85	6	8	-	-	10	10	2500	6	3	33	32	30	1	Tr	0.0			
	Mildenhall	19	1020.0	+2	NNW	2	2	30	37	6	5	-	-	10	10	1021.5	+6	N	3	2	34	85	6	5	-	-	10	10	1500	9	*	31	28	27	Tr	Tr	0.0			
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1023.5	+10	NNE	3	2	33	32	6	5	-	-	2-3	2-3	2500	8	*	33	29	30	2	1	0.0					
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1025.6	+10	N	3	c	33	85	6	5	-	-	10	10	1500	8	*	35	32	32	0.1	0.5	0.0					
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1022.6	+12	NNW	3	2	33	32	6	5	-	-	10	10	800	8	*	34	29	28	0.1	Tr	0.0					
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1023.5	+8	N	3	omo	35	85	6	5	-	-	10	10	1500	4	*	36	31	31	0.1	Tr	0.0					
5	Hartland Point	299	1023.7	+6	NNE	4	c	38	65	8	8	2	-	7-8	10	1023.1	+6	NE	4	c	38	75	9	5	-	-	7-8	7-8	1500	1	3	42	36	37	Tr	Tr	0.0			
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1023.1	+6	NE	2	2	34	32	5	5	-	-	10	10	1500	5	*	36	31	30	0.3	Tr	0.0					
	Portland Bill	32	1013.6	+12	NNE	3	o	32	32	7	5	-	-	10	10	1021.4	+6	NNE	3	o	33	32	6	5	-	-	10	10	1500	1	3	38	32	*	Tr	Tr	0.0			
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1023.1	+10	NNW	2	2	36	75	6	5	-	-	10	10	2500	1	1	41	35	33	Tr	Tr	0.0					
	The Lizard	240	1021.2	+12	NEN	4	c	35	85	7	5	-	-	10	10	1023.2	+10	NNE	3	c	35	85	6	5	-	-	10	10	1500	1	1	45	34	*	Tr	Tr	0.0			
	Scilly (St. Mary's)	163	1021.2	+6	NNE	5	c	42	75	8	5	4	-	4-6	5	1500	1023.7	+6	ENE	3	c	40	75	7	8	-	-	3+	3+	1500	1	3	45	33	*	0.3	Tr	3.1		
	Guernsey	175	1018.3	+10	NNE	4	o	36	65	6	5	-	-	10	10	1019.7	+6	NNE	4	o	37	55	6	5	-	-	10	10	2500	6	4	40	35	33	2	-	0.0			
6	Pembroke	142	1022.8	+4	NE	2	c	37	85	7	5	2	-	7-8	3+	2500	1023.4	+12	NE	3	c	38	75	7	5	2	-	7-8	10	1500	1	2	44	32	*	Tr	Tr	0.0		
7	Holyhead	26	1024.0	+6	E	3	c	40	75	7	5	-	-	10	10	1027.0	+8	ENE	3	c	41	75	8	7	3	-	7-8	10	2500	1	2	43	37	32	0.1	Tr	0.0			
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1026.3	+16	NNW	2	2	32	85	6	5	-	-	4-6	4-6	2500	3	*	38	31	28	0.2	Tr	0.0					
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1026.1	+18	NNW	2	2	35	85	6	5	3	-	4-6	9+	2500	1	*	39	31	26	Tr	Tr	0.0					
10	Spurn Head	29	1021.4	+6	ENE	4	ir	37	85	7	5	-	-	10	10	1023.5	+8	ENE	4	ir	37	37	7	5	-	-	3+	3+	1500	1	3	38	35	*	1	1	0.0			
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1026.6	+14	NW	1	c/pr	33	37	6	5	-	-	10	10	800	6	*	37	32	32	Tr	2	0.0					
	Tynemouth	108	1024.5	+4	E	4	c/pr	33	85	8	2	-	-	3	3	1500	1026.3	+3	E	5	c/pr	33	75	3	-	3	3	1500	1	3	42	37	35	Tr	0.3	0.0				
11	St. Abbs Head	280	1026.4	+6	NE	2	rr	37	85	7	5	2	-	7-8	10	1028.1	+12	NE	2	c	39	75	7	3	6	-	4-6	7-8	1500	1	3	41	35	*	2	1	*			
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1028.2	+12	-	o	c	34	37	7	4	7	-	2-3	3+	2500	1	*	37	33	31	4	Tr	Tr	0.0				
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1028.3	+12	-	o	3	28	32	4	-	-	-	0	0	-	-	1500	8	*	39	26	21	Tr	Tr	0.0			
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1028.6	+12	2	2	c	33	32	7	5	-	-	3+	3+	1500	8	*	36	31	29	0.4	0.1	0.0					
	Point of Ayre	30	1025.2	+8	ENE	4	c	40	85	8	5	-	-	3+	3+	2500	1027.6	+10	ENE	3	c	40	85	8	5	-	-	3+	3+	2500	0	3	42	39	*	-	-	0.0		
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1027.2	+6	SSE	2	bc	36	37	3	5	-	-	4-6	4-6	4000	3	1	38	26	15	-	-	5.4					
13B	Stornoway	80	1026.5	+10	-	o	b	29	85	7	5	-	-	Tr	Tr	4000	1027.3	+10	-	o	bc	35	75	7	5	-	-	2-3	2-3	4000	7	0	34	28	*	-	-	3.7		
16	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	*	*	+6	-	o	bc	17	37	6	-	4	2	0	4-6	-	4	*	32	11	10	Tr	Tr	0.4			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1029.4	+16	NW	2	b	33	85	6	5	-	-	1	1	2500	6	2	40	32	30	Tr	Tr	0.0					
	Wick	81	1027.2	+8	S	4	bc	33	37	8	5	7	-	4-6	4-6	1500	1029.0	+10	S	3	bc	33	75	8	5	4	-	2-3	4-6	1500	4	2	39	36	*	4	0.2	0.0		
16	Lerwick	156	1027.6	+6	SSE	6	c	40	75	8	8	2	-	7-8	10	1500	1027.7	0	S	5	c	41	75	8	8	7	-	4-6	7-8	1500	1	*	44	38	*	2	Tr	0.0		
17	Blackod Point	18	1025.1	+4	E	2	b	37	85	8																														

THE DAILY WEATHER REPORT

BRITISH SECTION
Sunday 25th December, 1938.
No. 28157

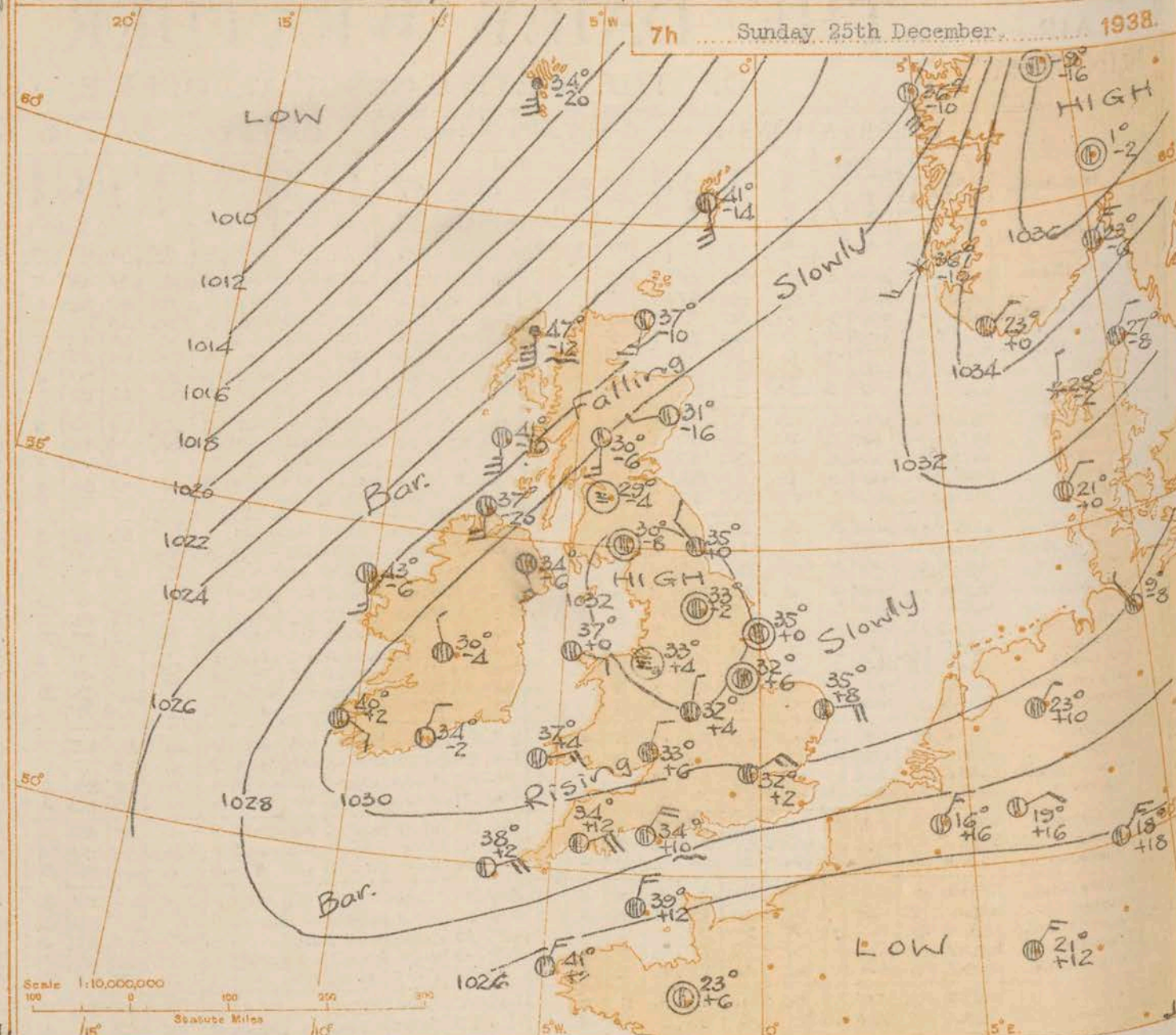
STATIONS.	OBSERVATIONS at 13h. G.M.T. 24th December														OBSERVATIONS at 18h. G.M.T. 24th December														PAST 24 HOURS.													
	Barom. at m.b.	Change in 3 hours.	Wind.		Weather.	Temp.	% Humid.	Visibility.	Cloud.					Barom. at m.b.	Change in 3 hours.	Wind.		Weather.	Temp.	% Humid.	Visibility.	Cloud.					State of Ground.	Sea.	WEATHER.													
			Dir.	Force.					Form.	Amount.	Total.	Height of Base (feet).	Dir.			Force.	Form.					Amount.	Total.	Height of Base (feet).	7h.—19h. 24th.	18h.—19h. 24th.			18h.—24th 1h. 25th.	1h.—7h. 25th.												
																															Low.	Mod.	High.	Low.	Mod.	High.	Low.	Mod.	High.	Low.	Mod.	High.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)			
1 London (Kew) ...	1020.6	+2	NNE	4	SS	34	85	4	6	2	-	10	10	1500	1025.0	+12	NNE	4	Z	33	85	5	5	-	-	7.8	7.8	1500	8	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
2 Shoeburyness ...	1022.1	0	NNE	5	SS	33	92	5	5	-	-	10	10	1500	1024.7	+10	NE	4	SS	33	92	5	5	-	-	10	10	800	7	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
3 S. Parnborough ...	1023.1	+2	NNE	3	SS	35	75	7	5	2	-	7.8	10	1500	1025.4	+10	NNE	3	bc	33	85	7	5	-	-	4.6	4.6	1500	7	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
4 Boscombe Down ...	1023.2	+2	NNE	4	0	34	85	7	5	-	-	10	10	1500	1026.1	+14	NNE	4	C	33	85	7	5	-	-	4	4	1500	8	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
5 Calshot (Stmnt.) ...	1022.7	+6	NNE	4	C	35	85	7	5	2	-	7.8	10	1500	1024.7	+14	NNE	4	bc	34	85	7	5	-	-	2.3	4.6	2500	6	2	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
6 Lympne ...	1021.2	+4	NNE	4	SS	32	92	5	-	2	-	10	10	800	1023.7	+14	NNE	3	SS	31	97	4	6	-	-	10	10	220	8	3	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
7 Manston ...	1021.1	+2	NE	5	SS	32	85	4	-	2	-	10	10	1500	1023.5	+20	NE	5	SS	32	92	4	-	-	2	-	10	10	1500	9	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz							
8 Felixstowe ...	1022.1	0	NNE	5	rs	33	97	5	-	-	-	10	10	1500	1024.7	+10	NE	4	SS	33	97	5	-	-	2	-	10	10	800	7	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz							
9 Goring ...	1023.3	+2	ENE	6	rs	34	92	5	6	-	-	10	10	1500	1026.1	+24	E	7	C	35	75	6	8	-	-	10	10	2500	6	4	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
10 Mildenhall ...	1024.2	+6	NNE	3	rs	33	92	6	5	3x	-	4.6	9	800	1026.7	+14	NE	3	C	33	85	8	5	-	-	10	10	4000	9	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
11 Greatwell ...	1025.6	+2	NNE	3	rs	34	97	7	5	-	-	10	10	1500	1027.8	+8	Z	2	C	34	92	7	5	-	-	10	10	1500	7	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
12 Birmingham ...	1025.8	+4	NNE	3	m	35	85	4	5	-	-	10	10	1500	1027.1	+16	NNE	3	rs	34	85	5	6	-	-	10	10	800	8	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
13 Upper Heyford ...	1024.9	+6	NNE	3	Z	34	92	6	5	-	-	10	10	800	1027.1	+10	NNE	3	rs	33	97	6	5	-	-	10	10	1500	8	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
14 Ross-on-Wye ...	1025.4	0	NE	3	rs	36	85	6	5	-	-	10	10	1500	1027.2	+8	NE	3	Z	36	85	5	5	-	-	10	10	800	4	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
15 Hartland Point ...	1024.8	+6	NNE	4	C	39	75	8	4	-	-	4.6	7.8	800	1026.4	+6	NNE	3	C	40	75	8	8	2	-	7.8	10	800	1	3	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
16 Bristol ...	1025.4	+8	NNE	3	if	35	85	4	5	2	-	4.6	10	800	1027.2	+12	NNE	2	cr	35	85	5	5	2	-	7.8	10	800	5	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
17 Portland Bill ...	1027.2	+6	NNE	3	0	35	92	7	5	-	-	10	10	1500	1024.5	+12	NE	4	C	36	92	7	5	-	-	7.8	7.8	2500	1	3	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
18 Plymouth ...	1024.5	+2	N	3	Z	38	75	6	5	-	-	10	10	4000	1026.3	+12	NNE	3	Z	38	75	6	5	-	-	10	10	1500	1	1	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
19 The Lizard ...	1024.5	+8	NNE	4	C	39	65	6	5	2	-	7.8	10	1500	1026.3	+8	NE	4	C	38	85	7	5	2	-	7.8	10	1500	1	1	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
20 Selly (St. Mary's) ...	1025.2	+2	NNE	4	C	42	65	7	8	-	-	10	10	1500	1026.2	+2	NNE	4	C	42	65	8	5	6	-	4.6	10	2500	1	3	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
21 Guernsey ...	1021.0	0	NNE	4	0	39	65	7	5	-	-	10	10	2500	1022.2	+12	NNE	5	0	39	75	6	5	-	-	10	10	2500	4	4	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
22 Pambroke ...	1027.6	+6	NE	4	bcq	40	75	8	5	4	1	2.3	4.6	2500	1028.1	+4	NE	3	bc	38	85	7	8	2	-	4.6	4.6	2500	1	1	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
23 Holyhead ...	1028.2	+4	ENE	4	C	42	75	8	5	3	-	7.8	3	2500	1030.4	+18	ENE	3	C	39	75	7	8	-	-	3	3	4000	1	1	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
24 Chester (Sealand) ...	1028.4	+6	NNW	1	m	37	85	4	5	-	-	10	10	4000	1030.4	+10	NNW	2	m	36	85	4	5	-	-	10	10	4000	1	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
25 Manchester ...	1027.9	+6	NNE	3	m	38	75	4	5	3	-	4.6	3	4000	1023.5	+10	NE	3	m	35	85	4	5	-	-	10	10	2500	1	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
26 Spurn Head ...	1026.6	+2	NE	4	ir	36	97	6	5	-	-	3	3	1500	1029.3	+16	ENE	5	C	37	85	7	5	2	-	7.8	10	1500	1	3	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
27 Caterick ...	1028.7	+4	NNE	2	rs	35	92	8	5	2	-	7.8	10	1500	1030.7	+14	NNW	2	rs	35	92	4	5	-	-	10	10	2500	6	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
28 Tyne-mouth ...	1028.8	+6	NE	4	phr	40	65	7	9	-	-	3	3	800	1030.7	+8	E	4	C	40	65	8	2	-	-	7.8	7.8	1500	1	3	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
29 St. Abbs Head ...	1030.4	0	W	2	cr	37	92	8	5	6	-	7.8	3	1500	1032.1	+2	NE	1	rs	36	92	8	3	2	-	7.8	10	800	6	3	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
30 Leuchars ...	1031.1	+8	NW	1	Z	34	85	6	5	3	-	2.3	3	2500	1032.3	+12	NNW	1	Z	32	85	6	5	3	-	7.8	9	2500	6	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
31 Invergowrie (Abbots I.) ...	1031.0	+2	0	0	29	97	0	7	3	-	-	10	10	1500	1032.3	+10	0	0	24	97	0	7	-	-	10	10	1500	5	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz									
32 Beldalemuir ...	1023.9	0	NNE	2	bc	36	75	8	7	3	-	2.3	2.3	1500	1031.7	+8	NE	1	C	32	85	7	5	-	-	3	3	1500	8	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
33 Point of Ayre ...	1029.3	+6	ENE	3	bc	40	75	5	2	3	-	4.6	4.6	2500	1030.4	+10	E	3	b	38	85	8	4	-	-	1	1	2500	0	2	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
34 Tiree ...	1028.8	+2	SSE	2	bc	40	85	8	5	-	-	4.6	4.6	4000	1029.2	+2	SSE	2	C	41	92	7	5	-	-	3	3	2500	0	2	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
35 Stornoway ...	1028.4	-2	SSW	4	bc	41	85	9	5	4	-	1	2.3	4000	1028.6	0	SSW	4	bc	42	85	8	5	-	-	4.6	4.6	2500	1	2	om,cs,ss	cs,ss,cm	cb,ccmz	cz								
36 Dalwhinnie ...	1030.2	+2	0	0	bc	33	85	8	-	-	-	4	0	2.3	1028.6	+4	0	0	16	97	8	-	-	-	0	0	-	4	*	om,cs,ss	cs,ss,cm	cb,ccmz	cz									
37 Aberdeen ...	1030.3</																																									

REPORTS from HEALTH RESORTS for 24th December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. to 24h.	Max. 9h. to 24h.	Night. 17h. to 24h.	Day. 9h. to 17h.	
1	Tunbridge W.	050	050	25	32	0.3	2	0.0
	Bournemouth	0	0C	27	36	-	-	0.3
	Ventnor	0x	0C	27	35	-	-	0.0
	Southsea	p	p5pc	27	36	1	0.3	0.0
	Bognor Regis	0	05rs	28	35	-	0.3	0.0
	Littlehampton	0	003	27	35	-	1	0.0
	Worthing	0	05	27	35	-	0.3	0.0
	Brighton	ccsh	ssc	28	34	Trace	1	0.0
	Eastbourne	0	05s	29	34	-	1	0.0
	Hastings	0d0	05s	32	34	-	2	0.0
	Folkestone	m05	ss	25	35	-	3	0.0
	Dover	05	05s	27	35	-	5	0.0
	Deal	0rs	irs	25	35	-	0.5	0.0
	Ramsgate	05	s	28	35	-	2	0.0
	Margate	0h	cs	26	36	-	2	0.0
2	Southend	05rs	05s	27	33	-	5	0.0
	Clacton-on-Sea	0rs	05s	28	34	-	3	0.0
	Dovercourt	0C	00C	28	34	-	2	0.0
	Lowestoft	0rs	0rs	32	35	Trace	0.4	0.0
	Skegness	0ro	0ro	35	39	2	1	0.0
	Mablethorpe	0ros	0ro	30	38	-	0.5	0.0
3	Leamington S.	0	05	31	35	1	-	0.0
	Cheltenham	0h0	0m0	30	36	-	Trace	0.0
5	Bath	C	C	32	36	Trace	-	0.0
	Weymouth	C	C	31	37	-	-	0.0
	Jersey	pc0	0	31	43	0.2	-	0.0
	Torquay	0Z	0Z	33	38	-	-	0.0
	Falmouth	g	g	35	39	-	-	0.0
	Penzance	C	C	37	40	-	-	0.0
	St. Ives	C	C	36	40	-	-	0.0
	Bude	C	C	36	40	-	-	0.0
	Ilfracombe	00C	00C	38	41	-	-	0.0
	Aberystwyth	00C	C	35	39	-	-	0.7
7	Llandudno	C	C	37	40	-	-	0.0
	Colwyn Bay	00C	C	36	39	-	-	0.0
	Rhyl	0m0	0m0	36	40	-	-	0.0
	Wallassey	00C	0C	35	37	-	Trace	0.0
8	Southport	00	00C	32	38	-	-	0.0
	Blackpool	0m0	0m0	35	37	-	-	0.1
	Morecambe	00C	00C	35	37	-	-	0.0
9	Ilkley	0	0	34	37	-	-	0.0
	Harrogate	0C	0C	33	35	-	-	0.0
10	Berwick-on-T.	00C	00C	36	39	Trace	0.2	0.5
	Dunbar	00	00C	32	37	3	2	0.4
11	Troon	00C	00C	26	38	-	-	0.8
	Douglas	00C	0C	35	40	-	-	3.6

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th December, 1938.

1 S.E. England	Moderate northeasterly winds; cloudy, slight local sleet or snow; cold, sharp frost locally at night.
2 E. England	
3 E. Midlands	Light to moderate variable to easterly winds; mainly fair, fog or mist patches; cold, sharp frost locally at night.
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Light variable winds becoming moderate south to southwest; fair early, occasional rain later; fog patches; cold becoming average temperature.
12 S.W. Scotland & Isle of Man	
13 { A.W.Scot. B.N.W.Scot. land.	Fresh to strong south to southwest winds, gale locally in west and north; occasional rain in west spreading east, sleet on high ground; fog patches in Southern Scotland clearing late; cold at first in the east, mild in the west, becoming milder generally later.
14 Mid Scotland	
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	Moderate southerly to variable winds; fair at first, occasional rain later; cold becoming milder than of late.
20 S.W. Ireland	

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars & entered beneath the temperature.

GENERAL INFERENCE.
Ridge of high pressure from Scandinavia across England and Southern Ireland is moving southeastwards, while a depression is approaching Iceland from the west. It will be mild with occasional rain in Scotland and Northern Ireland but with sleet on high ground. Elsewhere it will be mainly fair and cold but with local sleet or snow showers in the southeast and with sharp frost locally at night and fog or mist patches locally in Southern Scotland, the Midlands and Northern England.

FURTHER OUTLOOK.
Milder and unsettled conditions spreading slowly east and southeast to all districts.

Time of Issue of Gale Warnings.
South Cone hoisted at 0735 on 25/12/38 in districts 13A, 13B, 16, 17 and parts of 15 and 18.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

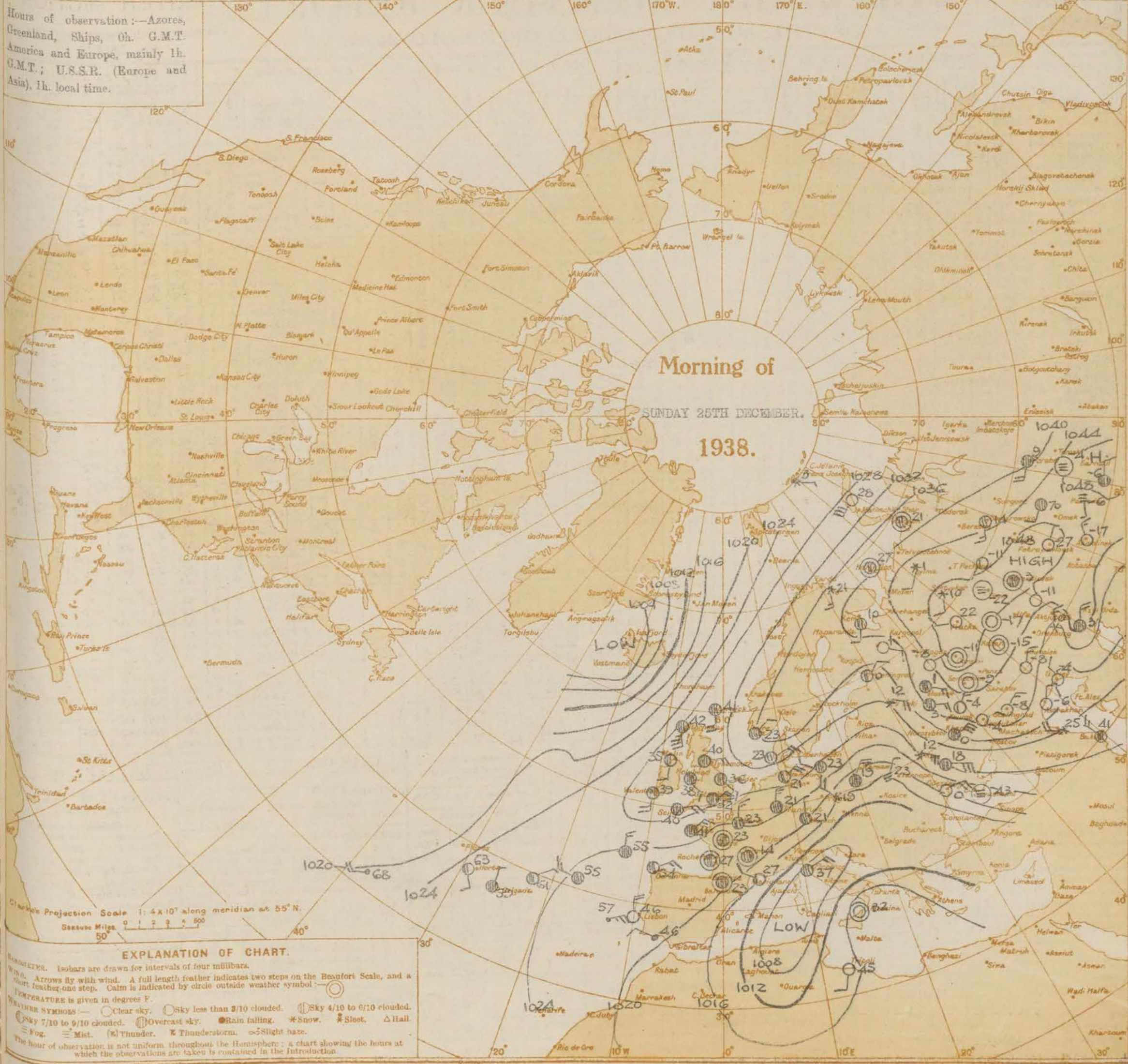
AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of

SUNDAY 25TH DECEMBER.

1938.



Chart's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
 Scale of Miles 0 100 200 300 400 500

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ☉ Clear sky. ☁ Sky less than 3/10 clouded. ☂ Sky 4/10 to 6/10 clouded. ☃ Sky 7/10 to 9/10 clouded. ☄ Overcast sky. ☔ Rain falling. ❄ Snow. ⚡ Sleet. ⚡⚡ Hail.
 ☁☁ Fog. ☁☁☁ Mist. ☁☁☁☁ Thunder. ☁☁☁☁☁ Slight haze.
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 25th December, 1938.

No. 28157

OBSERVATIONS at 1 hr. G.M.T. 25th December.....														OBSERVATIONS at 7 hr. G.M.T. 25th December.....														PAST 24 HOURS.									
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility.	Cloud.			State of Ground.	Sea.	TEMPERATURE.			RAINFALL.		Sun- shine.					
					Dir.	Force.					Form.	Amount.	Height of Base. (feet).			Dir.	Force.					Form.	Amount.	Height of Base. (feet).			Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.						
																																	Low.	Med.	High.	Low.	Total.
1	London (Kew) ...	18	*	*	*	*	*	*	*	*	*	*	1030.9	+12	NE	4	C	33	75	6	5	10	10	1500	8	*	35	32	29	0.3	—	0.0					
	Croydon ...	217	1027.5	+10	NE	4	C	32	85	6	5	10	10	2500	1029.8	+12	NE	4	C	32	85	7	5	10	10	2500	8	*	34	31	27	—	0.4	0.0			
	S. Farnborough ...	223	*	*	*	*	*	*	*	*	*	*	1030.7	+10	NE	3	C	32	85	7	5	10	10	2500	7	*	35	31	31	—	—	0.0	0.0				
	Boscombe Down ...	417	*	*	*	*	*	*	*	*	*	*	1030.9	+10	NE	3	C	30	97	7	5	10	10	1500	8	*	34	29	28	—	—	0.0	0.0				
	Calshot (Stmntn.) ...	8	*	*	*	*	*	*	*	*	*	*	1029.7	+8	NE	3	C	33	75	7	5	10	10	2500	4	2	36	32	31	—	—	0.1	0.0				
	Lymington ...	348	1026.9	+8	NE	4	C	30	85	7	5	10	10	800	1029.8	+10	NE	5	C	33	75	7	5	10	10	2500	4	2	36	32	31	—	—	0.0	0.0		
	Manston ...	154	1027.1	+10	ENE	4	C	31	85	5	5	10	10	1500	1030.2	+12	ENE	5	C	30	75	5	5	10	10	1500	9	*	36	29	*	4	0.2	0.0			
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	1030.6	+4	NE	3	C	33	97	7	5	10	10	2500	9	*	34	32	30	7	—	—	0.0	0.0			
	Felixstowe ...	15	*	*	*	*	*	*	*	*	*	*	1030.9	+6	E	4	C	34	65	7	5	10	10	2500	7	2	35	33	32	3	—	—	0.0	0.0			
	Gorleston ...	5	1029.2	+8	E	5	C	34	85	7	8	10	10	2500	1031.4	+8	E	4	C	35	75	7	8	10	10	2500	6	3	36	34	33	1	—	—	0.0	0.0	
	Mildenhall ...	19	*	*	*	*	*	*	*	*	*	*	1031.6	+10	ENE	2	C	32	97	7	5	10	10	4000	3	*	34	31	29	0.2	—	—	0.0	0.0			
	Cranwell ...	240	*	*	*	*	*	*	*	*	*	*	1031.9	+6	—	0	C	32	97	6	5	10	10	1500	7	*	35	30	31	0.4	—	—	0.0	0.0			
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	1032.1	+4	NNE	1	C	32	92	6	5	10	10	1500	8	*	36	31	31	0.1	—	—	0.0	0.0			
	Upper Heyford ...	408	*	*	*	*	*	*	*	*	*	*	1031.5	+8	NNE	2	C	30	85	7	5	10	10	2500	8	*	34	30	29	0.1	—	—	0.0	0.0			
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	1030.9	+6	NE	2	C	33	85	6	5	10	10	800	4	*	36	32	31	—	—	—	0.2	0.0			
5	Hartland Point ...	299	1028.1	+6	NNE	3	C	38	85	8	4	7-8	9	1500	1029.8	+4	NNE	3	C	36	75	8	8	2	7-8	9	1500	1	4	40	36	34	—	—	0.0	0.0	
	Bristol ...	209	1025.9	-6	NE	4	C	35	92	7	5	10	10	2500	1031.0	+10	NE	2	C	32	75	6	5	10	10	1500	5	*	35	32	28	—	—	0.0	0.0		
	Portland Bill ...	32	1025.9	-6	NE	4	C	35	92	7	5	10	10	2500	1028.4	+10	NE	4	C	34	92	7	5	10	10	2500	1	4	37	30	33	—	—	0.0	0.0		
	Plymouth ...	82	1027.5	+12	NNE	3	C	37	85	7	5	10	10	2500	1029.8	+12	ENE	4	C	34	65	7	5	10	10	2500	1	2	39	30	33	—	—	0.0	0.0		
	The Lizard ...	240	1027.5	+12	NNE	3	C	37	85	7	5	10	10	2500	1029.1	+16	NE	4	C	36	85	8	8	2	7-8	10	2500	0	2	39	34	—	—	0.1	0.0		
	Scilly (St. Mary's) ...	163	1028.3	+4	ENE	4	C	40	65	7	5	10	10	2500	1029.1	+16	ENE	4	C	36	85	8	8	2	7-8	10	2500	0	2	39	34	—	—	0.1	0.0		
	Guernsey ...	175	1023.7	0	NNE	5	C	39	85	6	5	10	10	2500	1026.4	+12	NNE	4	C	39	85	7	5	10	10	2500	1	4	40	38	37	—	—	0.1	0.0		
6	Pembroke ...	142	1030.3	+4	NE	4	C	37	85	7	8	2	7-8	7-8	2500	1031.5	+4	ENE	3	C	37	92	6	8	2	4-6	10	2500	1	2	42	36	—	—	2.2	0.0	
7	Holyhead ...	28	1031.5	+10	SEE	3	C	38	85	6	5	10	10	2500	1031.8	0	SEE	2	C	37	85	6	5	7	4-6	10	4000	1	1	43	35	33	—	—	0.0	0.0	
	Chester (Sealand) ...	16	*	*	*	*	*	*	*	*	*	*	1032.6	+10	E	0	C	33	92	4	5	10	10	1500	3	*	37	33	30	—	—	—	0.0	0.0			
8	Manchester ...	70	*	*	*	*	*	*	*	*	*	*	1032.2	+6	E'S	1	C	35	85	6	5	3	4-6	10	2500	1	*	38	33	28	—	—	—	0.0	0.0		
10	Spurn Head ...	29	1030.8	+4	SE	2	C	36	97	7	5	2	7-8	10	1500	1032.0	0	SE	0	C	35	97	7	5	10	10	800	1	1	38	34	—	2	3	0.0	0.0	
	Catterick ...	175	1031.6	+12	E	3	C	40	65	8	5	10	10	800	1032.5	-2	E	0	C	33	92	6	5	2	9	10	1500	6	1	35	33	31	—	—	0.0	0.0	
	Tynemouth ...	108	1031.6	+12	E	3	C	40	65	8	5	10	10	800	1032.0	0	NW	2	C	35	85	6	5	2	10	10	800	1	2	40	35	32	0.6	—	0.0	0.0	
11	St. Abbs Head ...	280	1031.7	+4	WNW	1	C	37	85	7	3	2	7-8	10	1500	1032.2	-6	SW	3	C	35	85	8	4	2	7-8	10	2500	6	3	40	33	—	3	1	—	1.1
	Leuchars ...	36	*	*	*	*	*	*	*	*	*	*	1031.4	-8	SW	3	C	35	92	6	5	10	10	2500	4	*	35	27	25	—	—	—	0.0	0.0			
12	Benfrew (Aldgate) ...	19	*	*	*	*	*	*	*	*	*	*	1031.7	-4	SW	3	C	35	92	6	5	10	10	4000	5	*	35	27	25	—	—	—	0.0	0.0			
	Esksdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	1032.4	-8	SW	3	C	36	92	6	5	10	10	450	8	*	37	29	28	—	—	—	3.2	0.0			
	Point of Ayre ...	30	1032.0	0	SSE	2	C	39	75	8	5	10	10	2500	1032.0	0	SW	3	bc	38	75	8	8	4	2-3	—	0	2	41	37	—	—	—	2.2	0.0		
13	Tiree ...	22	*	*	*	*	*	*	*	*	*	*	1027.0	-10	S	5	C	41	85	7	5	10	10	2500	0	3	41	39	37	—	—	—	1.1	0.0			
13	Stornoway ...	80	1027.5	-6	S	7	C	42	85	7	5	2	9	10	2500	1024.1	-12	S	8	bc	41	85	7	5	2	7-8	10	1500	1	4	42	41	—	—	—	3.0	0.0
16	Dalwhinnie ...	1176	*	*	*	*	*	*	*	*	*	*	1030.7	-6	S	3	bc	30	92	7	5	10	10	400	4	*	33	14	9	—	—	—	4.0	0.0			
	Aberdeen ...	79	*	*	*	*	*	*	*	*	*	*	1030.2	-16	W'S	1	bc	31	85	6	5	1	2-3	2-3	2500	7	2	33	22	21	—	—	—	0.3	0.0		
	Wick ...	81	1029.7	-2	SW	3	bc	34	92	7	5	1	2-3	4-6	1500	1027.2	-10	SSW	3	bc	37	85	7	5	7	4-6	4-6	1500	1	2	41	33	—	—	—	0.0	0.0
16	Lerwick ...	156	1029.7	-2	SSW	4	C	41	75	8	8	7	4-6	7-8	1500	1026.7	-14	SSW	5	C	41	75	8	8	7	4-6	7-8	1500	1	*	41	40	—	—	—	0.0	0.0
17	Blackhead Point ...	18	1028.4	0	SSE	3	C	42	85	8	4	—	7-8	7-8	2500	1027.3	-																				

STATIONS.	OBSERVATIONS at 13h. G.M.T. 25th December														OBSERVATIONS at 18h. G.M.T. 25th December														PAST 24 HOURS.					
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp.	Humid.	Visib.	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind. Dir. Force	Weather.	Temp.	Humid.	Visib.	Cloud.						State of Ground.	Sea.	WEATHER.					
								Form.			Amount.		Height of Base (feet)								Form.			Amount.		Height of Base (feet)			7h.-13h. 25th.	13h.-18h. 25th.	18h.-25th. 26th.	1h.-7h. 26th.		
								Low	Med.	High	Low 0-10	Total 0-10									Low	Med.	High	Low 0-10	Total 0-10									
																																	(9)	(10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)	
(For heights see p. 4.)																																		
1 London (Kew) ...	1032.3	0	ENE	3	sf	32	85	3	5	-	-	10	10	800	1032.1	+8	-	0	3	31	85	4	5	-	-	10	10	800	8	*	C30.150	grs. f. om	om	om
Croydon ...	1031.6	+2	ENE	2	30	31	85	6	5	-	-	10	10	2500	1032.3	+4	-	0	3	29	85	4	5	-	-	10	10	2500	8	*	C10.10	cm. m	cm. m	cm. m
8. Farnborough ...	1032.1	-12	NEE	2	S. 50	32	75	5	5	-	-	10	10	2500	1032.5	+4	-	0	3	30	85	4	5	-	-	10	10	2500	8	*	15. C30.150	C30.150	cm. m	cm. m
Boscombe Down ...	1032.2	-6	NEE	2	C	31	97	7	5	-	-	10	10	1500	1032.7	+6	-	0	3	30	97	7	5	-	-	10	10	1500	8	*	C	C	C	C
Calshot (St. Mary's) ...	1031.9	+4	ENE	3	C	33	85	5	5	-	-	10	10	2500	1032.1	+6	NEE	2	C	31	75	7	5	-	-	7.8	10	2500	4	2	C	C	C	C
Lymington ...	1031.9	-2	ENE	3	C	28	75	5	5	-	-	10	10	2500	1032.2	+10	ENE	3	C	30	75	7	5	-	-	5.4	10	2500	3	3	C	C	C	C
Manston ...	1031.9	-4	ENE	3	C	30	75	5	5	-	-	10	10	1000	1032.6	+6	NEE	2	C	32	65	8	5	-	-	10	10	2500	9	*	cm. C15.0	C15.0	C	C
2 Shoeburyness ...	1032.0	0	ESE	3	15	32	85	5	5	-	-	10	10	2500	1032.7	+6	-	0	0	31	85	7	5	-	-	10	10	2500	9	*	OV15.0	C15.0	0	0
Feltham ...	1032.5	+2	ENE	2	15	34	75	5	5	-	-	9	10	1000	1033.1	+4	NEE	1	2	31	85	6	5	-	-	10	10	1500	8	2	C15.0	C15.0	0	0
Gorleston ...	1032.3	0	ENE	3	C	35	75	5	5	-	-	10	10	2500	1033.6	+4	NW	2	C	32	82	6	5	-	-	10	10	2500	8	2	C15.0	C15.0	0	0
Mildenhall ...	1032.4	-4	NNE	1	C	32	85	6	5	-	-	10	10	4000	1033.8	+6	NW	2	C	32	82	6	5	-	-	10	10	4000	8	2	C15.0	C15.0	0	0
Cranwell ...	1032.5	-4	ENE	3	C	32	97	5	5	-	-	10	10	1000	1032.9	+2	W	2	C	32	97	6	5	-	-	10	10	1500	7	*	OM1.150	OM1.150	0	0
3 Birmingham ...	1033.3	0	SSE	2	0	32	85	5	6	-	-	10	10	1500	1033.7	0	WSW	1	0	31	75	5	5	-	-	10	10	1500	8	*	OP5.10	0	0	0
Upper Heyford ...	1032.7	-8	ENE	2	C	32	75	5	5	-	-	10	10	2500	1033.5	+4	NE	1	C	29	85	7	5	-	-	4.6	7.8	2500	8	*	cm. 0	C	cm. 0	cm. 0
Ross-on-Wye ...	1032.6	-4	ENE	2	C	34	75	5	5	-	-	10	10	1500	1033.5	+4	NE	1	C	31	85	5	5	-	-	10	10	800	4	*	cm. 0	cm. 0	cm. 0	cm. 0
4 Hartland Point ...	1031.5	0	E	3	C	35	55	8	5	-	-	10	10	1500	1032.9	+8	E	3	C	32	75	8	5	-	-	4.6	10	1500	1	2	C	C	C	C
Bristol ...	1031.7	-2	NE	3	C	33	75	6	5	-	-	10	10	2500	1033.6	+10	-	0	0	31	85	6	5	-	-	10	10	1500	5	*	C	C	C	C
Portland Bill ...	1030.7	+14	ENE	4	C	35	92	8	5	-	-	10	10	2500	1032.0	+10	E	4	C	34	92	7	5	-	-	10	10	2500	1	4	C	C	C	C
Plymouth ...	1031.3	0	ENE	3	C	35	85	6	5	-	-	10	10	1500	1032.6	+2	NEE	3	C	34	85	6	5	-	-	10	10	2500	1	1	C	C	C	C
The Lizard ...	1031.7	+2	NNE	3	C	35	85	8	5	-	-	10	10	2500	1031.5	+12	NNE	3	C	35	85	6	5	-	-	10	10	1500	1	1	C	C	C	C
Selly (St. Mary's) ...	1030.9	-2	NEE	4	C	39	75	8	5	-	-	10	10	2500	1031.5	+6	NEE	2	C	38	75	7	5	-	-	10	10	2500	1	2	bcc	C	C	C
Guernsey ...	1028.3	+4	NEE	5	0	38	75	7	5	-	-	10	10	2500	1030.3	+8	NEE	5	0	35	75	7	5	-	-	10	10	2500	0	0	0	0	0	0
5 Pembroke ...	1031.8	-4	ESE	4	C	37	85	7	5	-	-	4.6	9.4	1500	1032.0	+2	ESE	3	C	37	85	7	5	-	-	4.6	9.4	1500	1	2	C	C	bcc	0
Holyhead ...	1031.0	-6	SSW	2	C	40	65	6	1	-	-	2.3	10	4000	1031.7	0	SSW	4	C	39	65	7	5	-	-	2.3	10	4000	1	1	m. C	m. C	m. C	m. C
Cherbury (Sealand) ...	1033.2	-4	ESE	1	C	34	85	3	5	-	-	10	10	2500	1032.8	+2	SE	1	m	32	85	4	5	-	-	10	10	4000	1	*	cm. f	cm. f	cm. f	cm. f
Manchester ...	1033.3	-2	WS	1	m	35	92	4	5	-	-	2.3	10	4000	1032.9	+4	SE	2	m	34	92	4	5	-	-	4.6	10	2500	1	*	cm. f	cm. f	cm. f	cm. f
6 Spurn Head ...	1032.9	-2	-	0	m	36	92	4	5	-	-	10	10	1500	1033.0	0	WS	1	C	34	92	6	5	-	-	10	10	1500	1	2	ps. f	cm. f	cm. f	cm. f
Catterick ...	1032.5	-6	-	0	0	35	85	6	5	-	-	7.8	10	2500	1031.3	-10	SW	2	C	34	85	5	5	-	-	4.6	7.8	2500	4	1	cm. f	cm. f	cm. f	cm. f
Tynemouth ...	1031.7	+4	W	2	0	37	75	3	5	-	-	10	10	1500	1030.4	-9	SW	2	m	35	75	4	5	-	-	10	10	1500	1	1	cm. f	cm. f	cm. f	cm. f
7 St. Abbs Head ...	1030.1	-16	SW	3	C	34	85	8	5	-	-	10	10	2500	1028.9	-12	SW	3	0	34	85	7	5	-	-	10	10	1500	6	3	C	0	C	C
Leuchars ...	1029.3	-20	WSW	1	30	33	85	6	5	-	-	7.8	10	2500	1027.2	-14	W	2	0	34	92	6	-	-	10	10	1800	4	*	cm. f	cm. f	cm. f	cm. f	
Renton (Abbots I.) ...	1029.6	-18	NE	1	0	31	97	2	5	-	-	10	10	1500	1027.0	-12	SSW	3	0	37	92	6	5	-	-	10	10	1500	4	*	OFF. f	OFF. f	OFF. f	OFF. f
Eskdalemuir ...	1031.3	-14	-	0	C	30	85	6	5	-	-	9.4	10	1500	1025.4	-10	SSW	4	0	33	92	5	-	-	10	10	450	8	2	cm. f	C	C	C	
Point of Ayre ...	1031.5	-4	SW	2	C	40	75	6	5	-	-	9.4	10	4000	1030.1	-10	SW	3	0	40	83	7	5	-	-	7.8	10	2500	1	2	bcc	C	C	C
8 Three ...	1024.8	-6	S	6	rr	39	97	6	5	-	-	10	10	1500	1022.4	-8	S	6	dr	42	97	6	-	-	10	10	1500	1	4	OFF. f	OFF. f	OFF. f	OFF. f	
Stornoway ...	1019.6	-24	SSW	6	rr	41	92	7	5	-	-	9	10	1500	1017.8	-12	SSW	6	dr	45	92	7	5	-	-	4.6	10	1500	1	4	err	err	err	err
13 Dalwhinnie ...	1028.0	-16	S	3	S. 50	33	97	6	5	-	-	4.6	10	2500	1026.6	-16	S	3	S	33	9													

REPORTS from HEALTH RESORTS for 25th December, 1938.

STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (mm)		Sunrise to Sunset.
	Forenoon.	Afternoon.	Min. 24th to 9h. 25th.	Max. 9h. 25th.	Night. 17h. 24th to 9h. 25th.	Day. 9h. 25th.	
			25th.	25th.	25th.	25th.	
1 Tunbridge W.	0	0	23	30	1	-	0.0
Bournemouth	0	0	31	33	-	-	0.0
Ventnor ...	0c	0	32	33	-	-	0.0
Southsea ...	0	0	32	33	-	-	0.0
Bognor Regis	0	0c	32	33	0.3	-	0.0
Littlehampton	0c	c	31	33	1	-	0.0
Worthing ...	0	0	30	31	Trace	-	0.0
Brighton ...	0c	0c	29	32	1	Trace	0.3
Eastbourne ...	0	0	30	33	1	-	0.0
Hastings ...	0c	0c	29	33	3	-	0.0
Folkestone ...	0	0	29	33	0.3	-	0.0
Dover ...	c	c	31	34	3	-	0.0
Deal ...	0	0	24	35	1	-	0.0
Ramsgate ...	c	c	31	34	-	-	0.0
Margate ...	c	c	31	35	0.5	-	0.0
2 Southend ...	0c	0	32	34	3	Trace	0.0
Clacton-on-Sea	0c	0	31	34	Trace	Trace	0.0
Dovercourt ...	0c	0c	31	35	Trace	-	0.0
Lowestoft ...	0c	0c	29	36	Trace	Trace	0.0
Skegness ...	0c	0c	33	38	1	0.5	0.0
Mablethorpe ...	0	0	27	32	3	0.3	0.0
Cleethorpe ...	c	c	33	35	3	-	0.0
3 Loughborough S.	0	0	33	34	-	-	0.0
4 Cheltenham ...	0c	0c	31	33	-	-	0.0
5 Bath ...	c	c	32	33	-	-	0.0
Weymouth ...	c	c	33	34	-	-	0.0
Jersey ...	c	c	33	39	Trace	0.3	0.0
Torquay ...	0	0	34	37	-	-	0.0
Falmouth ...	0	0	34	35	-	-	0.0
Penzance ...	0c	0c	33	38	-	-	1.8
St. Ives ...	c	c	34	35	-	-	0.0
Bude ...	c	c	34	35	-	-	0.0
Ilfracombe ...	0c	0	35	41	-	-	0.0
6 Aberystwyth	c	c	34	38	-	-	0.0
7 Llandudno ...	c	c	34	38	-	-	0.0
Colwyn Bay ...	c	c	34	38	-	-	0.0
Rhyl ...	c	c	33	37	-	-	0.0
8 Wallasey ...	c	c	34	36	-	-	0.7
Southport ...	c	c	32	36	-	-	0.0
Blackpool ...	c	c	33	36	-	-	0.0
Morecambe ...	c	c	33	36	-	-	0.0
9 Ilkley ...	0	0	32	36	-	-	0.0
Harrogate ...	0c	0c	32	34	Trace	-	0.0
10 Berwick-on-T.	0c	0c	33	35	1	-	0.0
11 Dunbar ...	0c	0c	33	37	2	-	0.0
12 Troon ...	0c	0c	25	41	-	-	0.0
Douglas ...	0c	0c	34	40	-	Trace	0.0

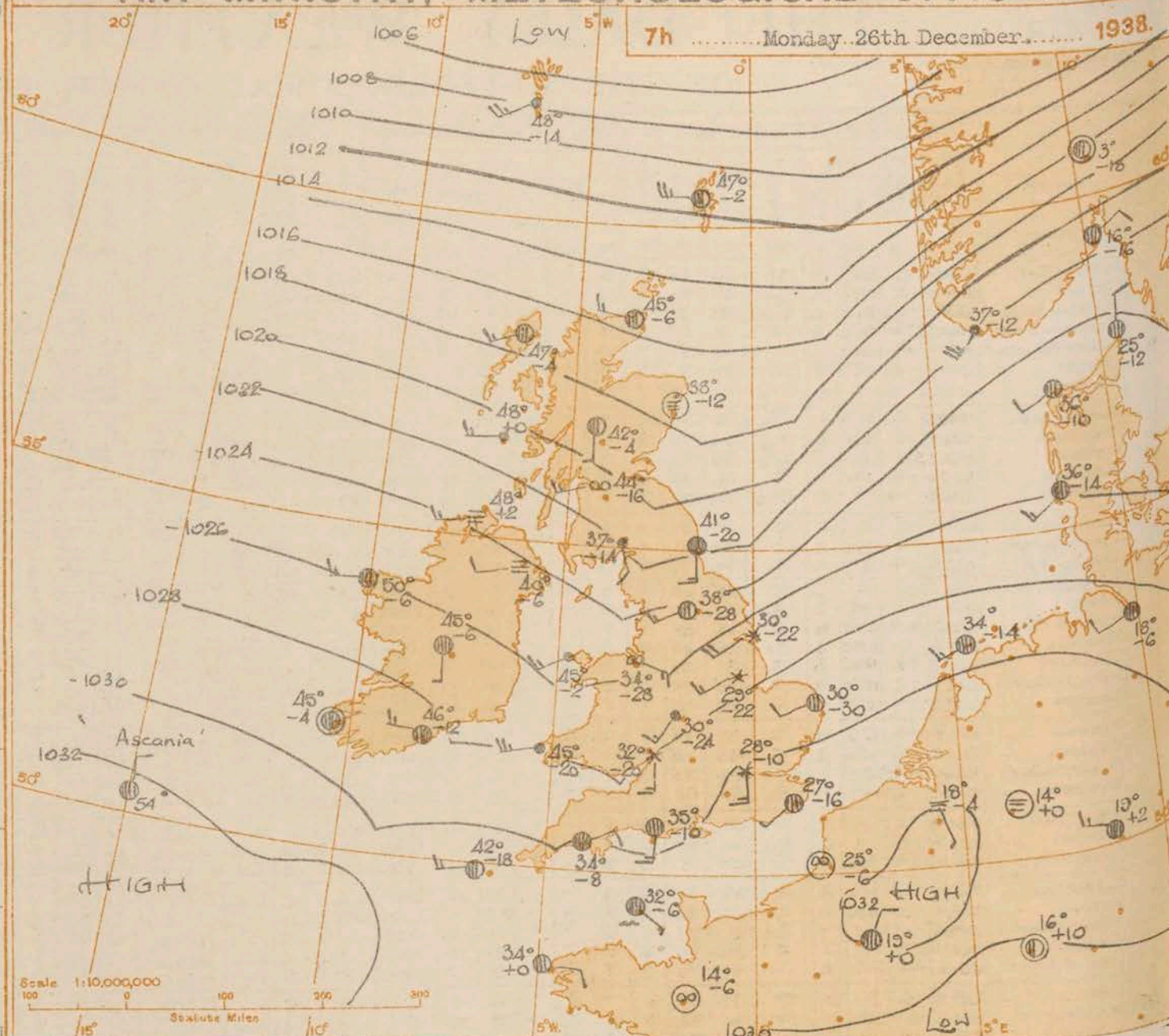
1 Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h. to 9h.

DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T., 26th December, 1938.

1 S.E. England	Light to moderate southerly winds, veering to southwest to west;
2 E. England ...	snow early, occasional rain later; mist or fog locally; cold early,
3 E. Midlands ...	becoming much milder than of late.
4 W. Midlands ...	Light southwest winds; cloudy, occasional rain or drizzle, fairer
5 S.W. England	later; mist or fog locally; cold early, becoming much milder than of late.
6 South Wales ...	Moderate southwest to west winds; cloudy, occasional rain or
7 North Wales ...	drizzle, fairer later; coastal and hill fog patches, mist locally inland;
8 N.W. England	much milder than of late.
9 N. Midlands ...	
10 N.E. England	Light to moderate west to southwest winds; cloudy, occasional rain
11 S.E. Scotland	at first, mainly fair later; temperature becoming about average.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	Southwest to west winds, moderate to fresh, strong locally
14 Mid Scotland	later in north; occasional rain; coastal fog patches, mist or fog
15 N.E. Scotland	locally inland; temperature about average to rather mild.
16 Orkney and Shetland	
17 N.W. Ireland	
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough, High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone over Northern France moving slowly southwards is being followed by a trough of low pressure extending from Southern Norway across England and Wales. It will be mild to average temperature with occasional rain and some coastal fog patches in Ireland, Scotland, Wales, Southwest and Northern England. Elsewhere there will be sleet or snow, heavy locally, changing slowly to occasional rain with rising temperature.

FURTHER OUTLOOK.

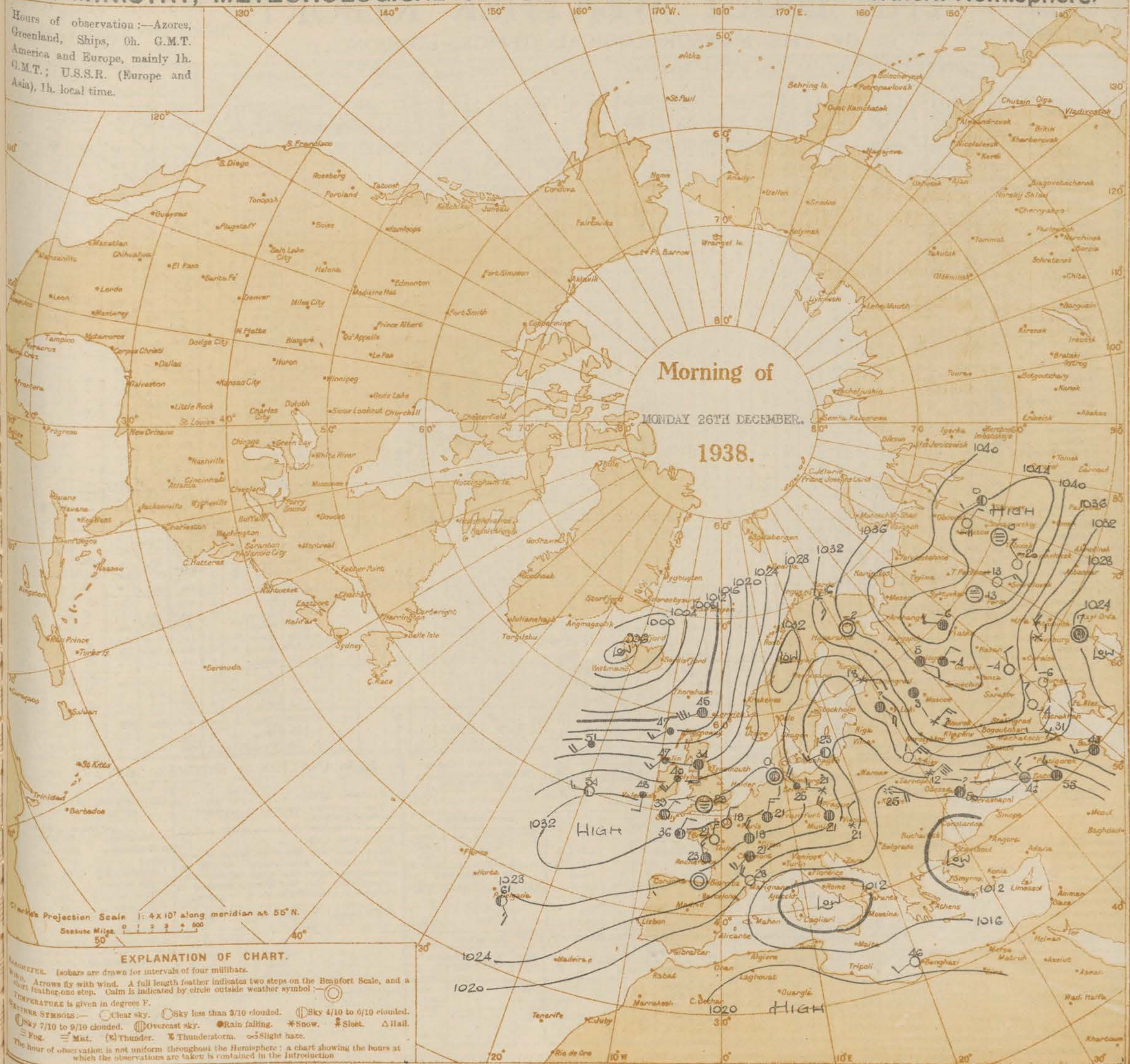
Unsettled with temperature rising to about average in all areas.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



AIR
MINISTRY.

THE DAILY WEATHER REPORT

BRITISH SECTION

OF THE METEOROLOGICAL OFFICE, LONDON.

Monday 26th December, 1938.

No. 28158

OBSERVATIONS at 1 hr. G.M.T. 26th December														OBSERVATIONS at 7 hr. G.M.T. 26th December														PAST 24 HOURS.																	
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	Cloud.					Barom. at M.S.L. in mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility 0-9	TEMPERATURE.					RAINFALL.			Sun-shine Hrs.
					Dir.	Force					Form.	Amount.	Height of Base (feet).	Dir.	Force			Form.	Amount.					Height of Base (feet).	State of Ground.	Sen. 0-9	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. on Grass °F.	Day 7h-18h mm.					Night 18h-7h mm.								
																																						Low.	Med.	High.	Low.	Med.	High.	Low.	
1	London (Kew)	18	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	33	27	27	Tr	1	0.0							
	Croydon	217	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	32	27	25	Tr	1	0.0							
	S. Farnborough	220	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	32	27	25	Tr	1	0.0							
	Boscombe Down	417	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	31	27	23	Tr	1	0.0							
	Calshot (Stmntn.)	8	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	28	85	7	34	27	23	Tr	1	0.0							
	Lympe	348	1033.1	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.1	-1.0	SSW	1	C	28	85	7	Low	Med.	High.	1033.1	-1.0	SSW	1	C	28	85	7	30	27	25	Tr	1	0.0							
	Manaton	154	1032.7	-1.0	SSW	1	C	30	75	7	Low	Med.	High.	1032.7	-1.0	SSW	1	C	30	75	7	Low	Med.	High.	1032.7	-1.0	SSW	1	C	30	75	7	33	27	27	Tr	1	0.0							
2	Shoeburyness	11	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	33	29	29	Tr	1	0.0							
	Felixstowe	15	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	35	29	28	Tr	1	0.0							
	Gorleston	5	1031.9	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1031.9	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1031.9	-1.0	SSW	1	C	31	85	7	35	29	28	Tr	1	0.0							
	Mildenhall	19	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	35	29	28	Tr	1	0.0							
	Cranwell	240	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
3	Birmingham	535	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	Upper Heyford	408	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	32	27	24	Tr	1	0.0							
4	Ross-on-Wye	223	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	34	30	28	Tr	1	0.0							
5	Hartland Point	239	1032.1	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1032.1	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1032.1	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	Bristol	209	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	Portland Bill	32	1031.8	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1031.8	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1031.8	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	Plymouth	82	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1033.0	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	The Lizard	240	1032.1	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1032.1	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1032.1	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	Scilly (St. Mary's)	163	1032.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1032.0	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1032.0	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	Guernsey	175	1031.9	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1031.9	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1031.9	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
6	Pembroke	142	1031.7	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1031.7	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1031.7	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
7	Holyhead	26	1028.4	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.4	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.4	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	Chester (Sealand)	16	1028.4	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.4	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.4	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
8	Manchester	70	1028.4	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.4	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.4	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
10	Spurn Head	29	1030.2	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1030.2	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1030.2	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	Catterick	175	1028.3	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.3	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.3	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
	Tynemouth	108	1028.3	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.3	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1028.3	-1.0	SSW	1	C	31	85	7	33	29	28	Tr	1	0.0							
11	St Abbs Head	280	1021.3	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1021.3	-1.0	SSW	1	C	31	85	7	Low	Med.	High.	1021.3	-1.0																			

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 27th December, 1938.

No. 28159

STATIONS.	OBSERVATIONS at 13h. G.M.T. 26th December.														OBSERVATIONS at 18h. G.M.T. 26th December.														PAST 24 HOURS.					
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Visibility	Cloud.					State of Ground.	Ser.	WEATHER.					
			Direc.	Force					Low	Med.	High	Low 0-10	Total 0-10			Height of Base (feet)	Low					Med.	High	Low 0-10	Total 0-10	Height of Base (feet)			State of Ground.	Ser.	7h.-13h. 26th	13h.-18h. 26th	18h. 26th to 1h. 27th	1h.-7h. 27th
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)	
(For heights see p. 4.)																																		
1 London (Kew)	1025.8	-30	SSW	3	PS	33	92	4	-	2	-	10	10	800	1021.2	-24	SSW	2	m	36	97	4	5	-	-	10	10	800	8	*	SSS.F.S.	om	odd om	cbe
Croydon	1026.5	-30	SSW	4	S.S.	33	85	4	-	2	-	10	10	450	1022.2	-14	SSW	4	dd	36	92	5	5	-	-	10	10	800	8	*	SSS.F.S.	om	odd om	cbe
S. Farnborough	1026.0	-36	SSW	3	d.d.	33	85	5	6	2	-	7-8	10	450	1021.1	-24	SW	2	d.d.	36	97	6	6	2	-	7-8	10	450	6	*	SSS.F.S.	om	odd om	cbe
Boscombe Down	1025.4	-38	S	4	PS	33	97	3	5	-	-	10	10	800	1022.4	-20	SW	1	of	36	97	5	5	-	-	10	10	800	6	*	SSS.F.S.	om	odd om	cbe
Calshot (St. Mary's)	1027.8	-30	SSW	4	d.d.	33	97	4	5	-	-	10	10	800	1022.3	-22	SSW	3	id.	41	97	6	5	-	-	10	10	450	6	*	SSS.F.S.	om	odd om	cbe
Lymington	1028.6	-24	SSW	3	PS	30	97	3	6	-	-	10	10	450	1023.5	-24	SSW	4	df	33	97	2	5	-	-	10	10	150	8	\$ 3	SSS.F.S.	om	odd om	cbe
Manston	1027.4	-30	S	4	SS	30	85	4	5	-	-	10	10	1500	1022.5	-14	SSW	4	id.	33	85	5	5	-	-	10	10	1500	3	*	SSS.F.S.	om	odd om	cbe
2 Shoreham	1026.3	-34	SSW	5	SS	31	92	4	-	2	-	10	10	800	1021.4	-22	SSW	4	id.	35	92	5	-	2	-	10	10	1500	3	*	SSS.F.S.	om	odd om	cbe
Pelissier	1027.4	-24	SW	5	S.S.	31	97	4	5	-	-	10	10	800	1021.4	-24	SSW	5	PS	34	97	6	-	2	-	10	10	800	8	4	SSS.F.S.	om	odd om	cbe
Gorleston	1024.5	-34	SSW	5	S.S.	29	85	5	6	-	-	10	10	800	1019.7	-30	SSW	4	PS	33	85	6	6	-	-	10	10	1500	8	3	SSS.F.S.	om	odd om	cbe
Mildenhall	1023.8	-40	SW	5	PS	32	97	5	5	-	-	10	10	1500	1019.4	-20	SSW	4	0	34	97	6	5	-	-	10	10	800	6	*	SSS.F.S.	om	odd om	cbe
Cranwell	1021.6	-30	SW	3	d.d.	33	97	5	5	-	-	10	10	800	1018.5	-4	SSW	3	70	35	92	5	5	-	-	10	10	800	6	*	SSS.F.S.	om	odd om	cbe
3 Birmingham	1022.5	-24	SSW	3	PS	32	97	3	6	-	-	10	10	800	1019.5	-16	SW	2	df	37	97	2	6	-	-	10	10	800	6	*	SSS.F.S.	om	odd om	cbe
Upper Heyford	1024.4	-34	SSW	2	PS	32	97	4	5	-	-	10	10	220	1020.9	-18	SSW	2	df	34	97	3	5	-	-	10	10	220	6	*	SSS.F.S.	om	odd om	cbe
Ross-on-Wye	1022.9	-40	SSW	2	PS	33	92	6	5	-	-	10	10	800	1020.6	-10	SW	1	m	39	97	-	5	-	-	7-8	34	800	1	*	SSS.F.S.	om	odd om	cbe
4 Hartland Point	1024.2	-28	W	4	df	46	92	1	*	-	-	10	10	1150	1023.0	0	WNW	4	PS	43	97	2	*	-	-	10	10	1150	1	3	SSS.F.S.	om	odd om	cbe
Bristol	1024.8	-34	SSW	3	PS	35	97	6	6	-	-	10	10	800	1021.8	-6	SSW	3	of	43	97	2	5	-	-	10	10	450	6	*	SSS.F.S.	om	odd om	cbe
Portland Bill	1025.1	-28	SW	4	PS	41	92	7	5	-	-	10	10	1500	1021.3	-20	W	3	PS	47	92	7	5	-	-	10	10	1500	1	3	SSS.F.S.	om	odd om	cbe
Plymouth	1026.5	-38	SSW	3	PS	43	97	5	6	2	-	9+	10	450	1023.7	-6	WNW	2	df	44	97	2	-	2	-	10	10	220	1	1	SSS.F.S.	om	odd om	cbe
The Lizard	1026.7	-32	W	5	PS	45	97	6	5	-	-	10	10	2500	1024.6	-10	WNW	4	C	50	97	7	8	2	-	7-8	7-8	2500	1	2	SSS.F.S.	om	odd om	cbe
Scilly (St. Mary's)	1027.2	-30	W	5	d.d.	47	97	5	5	-	-	10	10	1500	1025.5	-2	WNW	4	C	50	97	7	5	7	-	7-8	9+	1500	1	3	SSS.F.S.	om	odd om	cbe
Guernsey	1028.6	-24	S	2	0	35	92	6	5	-	-	10	10	1500	1024.1	-22	SW	4	PS	39	97	4	5	-	-	10	10	800	6	3	SSS.F.S.	om	odd om	cbe
5 Penzance	1024.5	-8	WNW	4	d.d.	49	97	5	8	2	-	7-8	10	1500	1022.8	-4	NW	4	eg	51	97	7	5	-	-	10	10	800	1	3	SSS.F.S.	om	odd om	cbe
Holyhead	1022.3	-16	WNW	4	C	48	97	7	5	-	-	9+	9+	220	1020.5	-10	WNW	4	0	50	97	6	5	-	-	10	10	450	1	2	SSS.F.S.	om	odd om	cbe
Chester (Sealand)	1022.0	-18	-	0	df	39	92	3	*	-	-	10	10	1150	1019.0	-6	WN	3	C	50	92	7	6	-	-	10	10	800	1	*	SSS.F.S.	om	odd om	cbe
Manchester	1022.3	-20	E	1	df	35	97	2	-	2	-	10	10	800	1019.8	-12	SES	1	RF	38	97	0	*	-	-	10	10	1150	1	*	SSS.F.S.	om	odd om	cbe
6 Spurn Head	1020.4	-26	SW	4	PS	33	92	5	5	-	-	10	10	1500	1016.3	-18	WSW	2	F	36	97	2	*	-	-	10	10	1150	6	1	SSS.F.S.	om	odd om	cbe
Catterick	1018.3	-20	SE	2	PS	39	97	6	5	3	-	4-6	9	2500	1016.2	-12	SSW	3	bc	43	92	7	5	3	-	2-3	4-6	4000	1	*	SSS.F.S.	om	odd om	cbe
Tynemouth	1017.6	-10	W	4	C	45	92	6	8	-	-	9+	9+	1500	1014.8	-16	W	4	C	48	92	7	2	3	-	4-6	7-8	2500	1	2	SSS.F.S.	om	odd om	cbe
7 St. Abbs Head	1016.1	-16	WNW	2	bc	53	75	8	4	4	-	2-3	4-6	2500	1011.7	-30	WNW	5	bc	51	85	8	4	4	-	2-3	4-6	2500	0	3	SSS.F.S.	om	odd om	cbe
Leuchars	1015.8	-24	W	2	F	41	97	2	*	-	-	10	10	1150	1012.7	-12	W	4	C	48	85	9	4	3	6	2-3	7-8	2500	4	*	SSS.F.S.	om	odd om	cbe
Bentley (Abbots I.)	1017.5	-26	WS	1	C	50	92	7	5	-	-	9+	9+	1500	1015.3	-18	WN	3	C	49	92	7	5	3	-	7-8	9	1500	1	*	SSS.F.S.	om	odd om	cbe
Eskdalemuir	1018.3	-22	SSW	4	PS	42	97	5	5	-	-	9+	9+	220	1016.1	-10	SSW	2	0	44	97	6	5	-	-	10	10	800	1	*	SSS.F.S.	om	odd om	cbe
Point of Ayre	1020.3	-16	WN	4	df	49	97	6	-	2	-	10	10	1500	1018.4	-10	WN	4	d.d.	49	97	6	-	2	-	10	10	1500	1	3	SSS.F.S.	om	odd om	cbe
8 Tiree	1018.2	-8	WSW	4	0	49	92	4	5	-	-	10	10	450	1016.3	-4	WNW	5	bc	49	85	7	5	-	-	4-6	4-6	1500	1	4	SSS.F.S.	om	odd om	cbe
9 Stornoway	1013.7	-16	WSW	5	pr	49	92	6	5	2	-	7-8	10	1500	1012.1	-2	W	5	C	46	75	7	8	-	-	7-8	7-8	2500	1	3	SSS.F.S.	om	odd om	cbe
10 Dalwhinnie	1016.6	-34	SW	4	PS	48	85	7	4	-	-	2-3	9+	2500	1013.4	-14	SW	4	PS	46	85	7	4	2	-	2-3	4-6	2500	1	*	SSS.F.S.	om	odd om	cbe
Aberdeen	1013.2	-30	-	0</																														

REPORTS from HEALTH RESORTS for 26th December 1938.

DISTRICTS	STATIONS	WEATHER		Temperature (°F.)		Rainfall (mm)		SUNSHINE (hrs)
		Fore-noon	After-noon	Min. 9h. to 2.5h.	Max. 2.5h. to 9h.	Night 17h. to 9h.	Day 9h. to 17h.	
1	Tunbridge W.	OS	asodo	26	34	1	4	0.0
	Bournemouth	ssr	r	30	42	1	6	0.0
	Ventnor	OSr	or	30	42	1	7	0.0
	Southsea	OSr	or	31	43	2	5	0.0
	Bognor Regis	ssrs	rsrrr	29	40	1	9	0.0
	Littlehampton	OSr	or	29	39	1	7	0.0
	Worthing	orsrs	orsd	29	39	3	5	0.0
	Brighton	rsd	drsd	30	39	0.2	7	0.0
	Eastbourne	ss	dd	29	37	1	5	0.0
	Hastings	cvoss	rsrs	29	36	-	4	0.0
	Folkestone	mpss	ss	29	35	Trace	4	0.0
	Dover	cos	rsrs	30	35	Trace	4	0.0
	Deal	o	is	27	34	-	-	0.0
	Ramsgate	cs	sr	29	35	-	2	0.0
	Margate	cs	cs	29	34	-	4	0.0
2	Southend	oss	oso	29	34	1	4	0.0
	Clacton-on-Sea	oss	osrd	29	34	1	3	0.0
	Dovercourt	soc	socd	29	34	1	1	0.0
	Lowestoft	csis	csrs	28	34	0.4	1	0.0
	Skegness	orso	oro	28	33	0.5	1	0.0
	Mablethorpe	os	o	28	34	-	-	0.0
	Cleethorpe	cr	cro	29	34	3	2	0.0
3	Leamington S.	oro	orom	28	34	2	4	0.0
4	Cheltenham	orr	orof	26	37	4	7	0.0
5	Bath	srr	rrom	30	38	2	8	0.0
	Weymouth	srr	rtd	31	45	1	0.5	0.0
	Jersey	cs	ssrs	28	40	-	3	0.0
	Torquay	adm	adome	32	46	0.4	2	0.0
	Falmouth	ombr	o	34	50	0.2	2	0.0
	Penzance	cmob	cir	34	52	0.5	4	0.0
	St. Ives	r	mdr	37	49	5	6	0.0
	Bude	covr	ado	32	49	1	2	0.0
	Ilfracombe	offdd	ffdd	33	46	1	1	0.0
6	Aberystwyth	offdd	ffdd	33	46	1	1	0.0
7	Llandudno	o	idom	34	48	0.3	0.1	0.0
	Colwyn Bay	o	adome	34	53	0.3	Trace	0.0
	Rhyl	omod	adome	33	50	1	0.3	0.0
8	Wallasey	fd	fd	33	45	3	1	0.0
	Southport	ddime	ddime	32	46	5	2	0.0
	Blackpool	oidf	adof	32	47	6	2	0.0
	Morecambe	ogdo	doo	31	40	5	0.4	0.0
9	Ilkley	ot	bbcc	30	42	2	-	0.3
	Harrogate	bcc	bcc	33	50	2	-	2.2
10	Berwick-on-T.	cmof	cmof	34	50	2	Trace	2.7
11	Dunbar	oco	coerr	36	50	3	0.3	0.0
12	Troon	cmd	cmd	38	50	3	1	0.0
	Douglas							

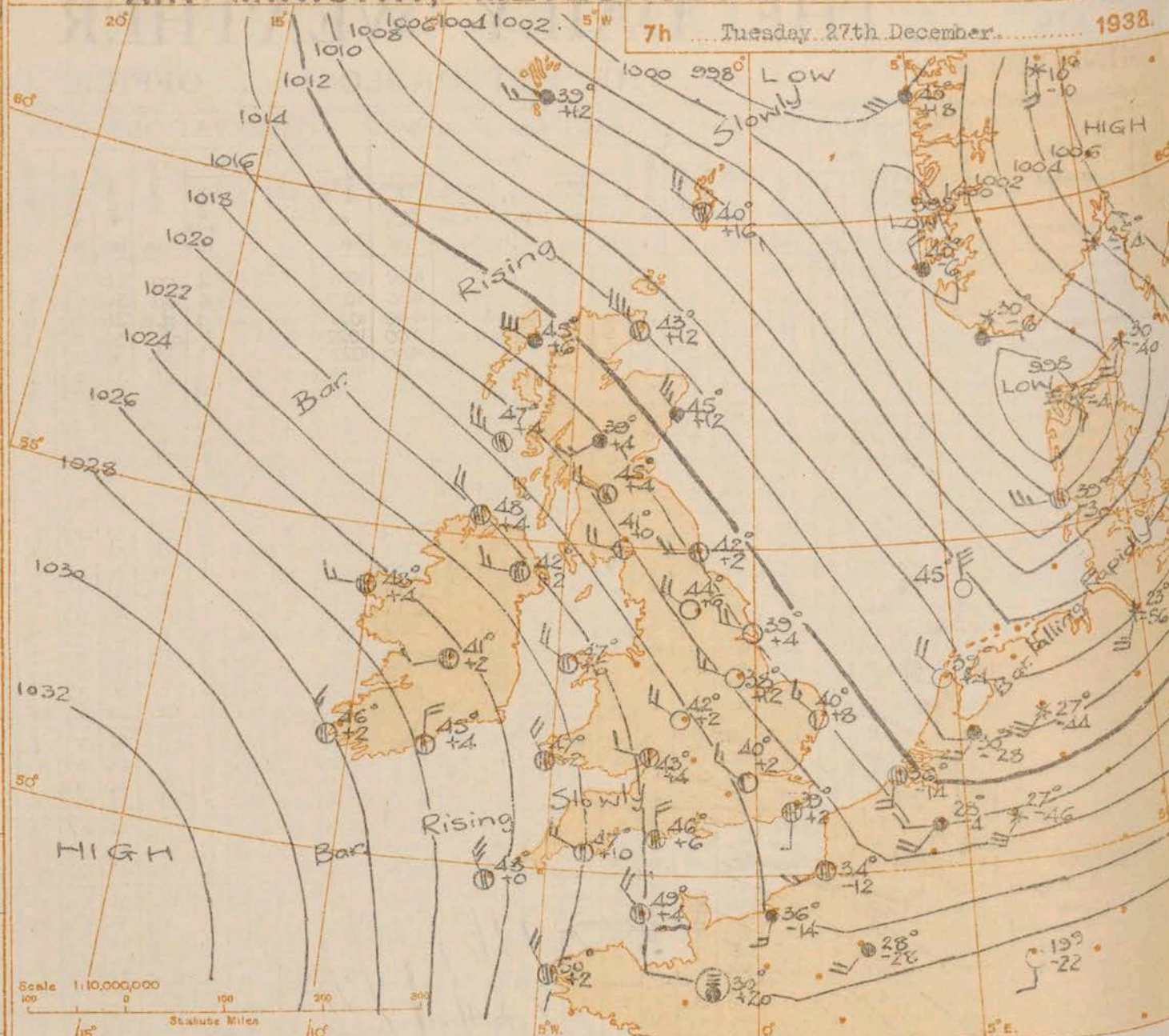
Max. temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h. to 9h.

DISTRICTS FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th December, 1938.

1 S.E. England	
2 E. England	
3 E. Midlands	
4 W. Midlands	Wind northwest, fresh in places, becoming light; fine apart from fog in places tonight; average day temperature; frost tonight.
5 S.W. England	
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 { A.W. Scotld. B.N.W. Scot- land.	Wind northwest, backing to southwest later; fine today apart from local showers; rain probable tomorrow; mild.
14 Mid Scotland	
15 N. E. Scotland	Wind northwest, moderate; fair apart from local showers; average day temperature; frost inland at night.
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	As 13.
19 S. E. Ireland	As 1 - 12.
20 S. W. Ireland	As 13.

H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY, METEOROLOGICAL OFFICE.



BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough High.
BAROMETRIC CHANGES from 4h. to 7h. in tenths of millibars & entered beneath the temperature.

GENERAL INFERENCE.

A ridge of high pressure off the west of Ireland is moving eastwards and will be followed by a depression further out on the Atlantic. Today will be fine apart from showers in West Scotland. Temperature will be about average for the time of year. Rain will spread to western districts tomorrow.

FURTHER OUTLOOK.

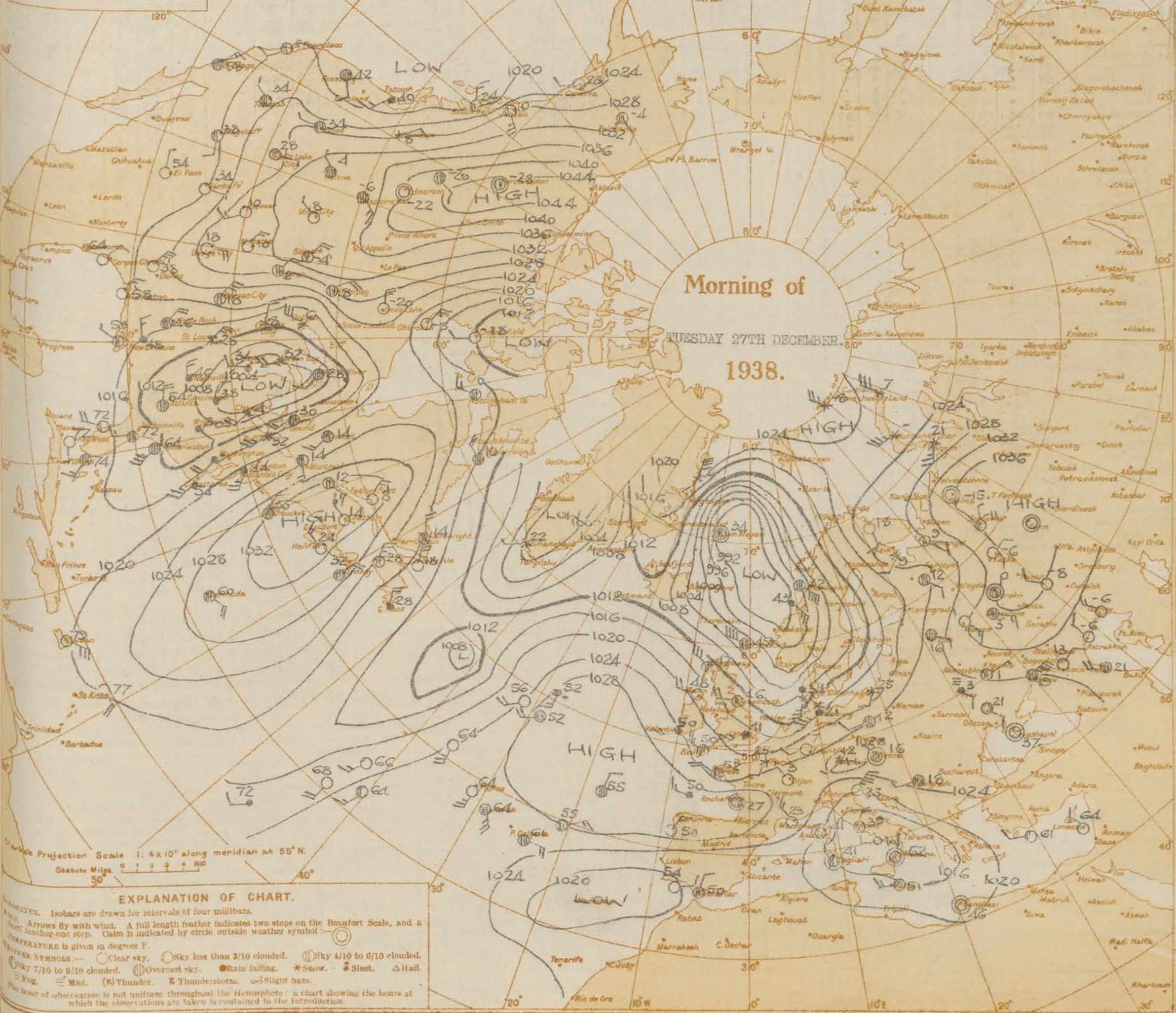
Mild and rather unsettled.

Forecasts issued at 1000 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



THE DAILY WEATHER REPORT

BRITISH SECTION

Tuesday 27th December, 1938.

No. 28159

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 27th December															OBSERVATIONS at 7 hr. G.M.T. 27th December															PAST 24 HOURS.								
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 2 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. (15)	Change in 2 hours. (16)	Wind.		Weather. (19)	Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (28)	Sea. 0-9 (29)	TEMPERATURE.			RAINFALL.		Sun-shine 26th Hrs. (36)		
					Dir.	Force 0-12 (4)					Form.	Amount.		Height of Base. (feet) (14)	Dir.			Force 0-12 (18)	Form.					Amount.		Height of Base. (feet) (26)	Max. Day 7h-19h °F. (31)	Min. Night 19h-7h °F. (32)			Min. on Grass °F. (33)	Day 7h-19h mm. (34)	Night 19h-7h mm. (35)					
												Low (9)	Med. (10)											High (11)	Low 0-10 (12)									Total 0-10 (13)	Low (23)		Med. (24)	High (25)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1017.2	+2	NW	2	bc	42	85	7	5	-	1	2.3	2.3	2500	6	*	36	35	32	6	1	0.0			
	Croydon	217	1017.4	-18	SW	3	dd	41	97	5	6	-	10	10	450	1017.0	+2	NW	3	bc	40	97	6	5	-	2.3	2.3	1500	6	*	36	35	32	4	4	0.0		
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1018.0	+6	NW	2	b	40	85	7	-	3	-	6	Tr	-	6	*	36	35	32	5	0.6	0.0			
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1019.3	+8	NW	4	bc	41	75	7	5	4	-	4.6	4.6	1500	6	*	36	35	33	8	0.4	0.0			
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	*	1018.6	+8	NW	3	b	40	97	7	-	-	0	0	-	4	1	41	38	36	6	0.6	0.0				
	Lympe	346	1018.1	-30	SW	3	df	37	97	1	-	-	10	10	<150	1016.1	+2	NW	3	z	39	97	6	5	7	-	7.8	9	800	6	31	33	32	5	9	0.0		
	Manston	184	1016.2	-28	SWS	5	dd	36	97	6	5	-	10	10	450	1014.8	+4	WN	4	bc	38	97	6	5	-	4.6	4.6	1500	6	*	34	33	33	9	5	0.0		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1015.7	+10	WNW	3	c	38	85	7	5	-	-	7.8	7.8	2500	6	*	35	35	33	5	2	0.0			
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1014.5	+8	NW	3	bc	40	92	7	4	4	-	4.6	4.6	4000	6	3	34	34	32	1	3	0.0			
	Gorleston	5	1013.7	-28	SW	3	df	35	92	2	6	-	10	10	450	1013.3	+8	NW	4	b	40	85	7	4	-	1	1	2500	6	3	34	32	32	0.3	3	0.0		
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	1015.0	+18	WNW	4	b	37	92	7	5	-	-	Tr	Tr	2500	6	*	34	33	31	3	1	0.0			
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1015.6	+12	WNW	3	z	38	92	6	-	-	-	0	0	-	6	*	35	23	28	4	-	0.0			
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1017.6	+2	NW	4	b	42	85	8	-	-	-	0	0	-	1	*	37	36	36	6	0.5	0.0			
	Upper Hayford	408	*	*	*	*	*	*	*	*	*	*	*	1018.4	+6	NW	3	c	40	85	8	5	-	-	7.8	7.8	800	6	*	34	33	32	8	-	0.0			
	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1019.4	+4	WN	2	bc	43	75	8	5	-	-	4.6	4.6	2500	1	*	40	37	34	1	Tr	0.0			
5	Hartland Point	299	1020.9	-8	WNW	5	o	49	97	7	5	-	10	10	800	1021.6	o	WNW	5	bc	47	75	8	5	-	4.6	4.6	1500	1	3	49	47	45	6	0.2	0.0		
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1020.1	+3	SW	2	bc	40	85	8	5	-	-	4.6	4.6	2500	1	*	43	40	35	4	Tr	0.0			
	Portland Bill	32	1018.1	-10	NW	3	o	43	92	7	5	-	10	10	1500	1018.7	+6	N	4	c	46	92	8	5	-	7.8	7.8	2500	1	3	48	40	*	7	0.4	0.0		
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1021.3	+10	NW	3	bc	47	75	8	5	-	-	2.3	2.3	2500	1	1	46	42	39	3	0.3	0.0			
	The Lizard	240	1022.6	-12	WNW	4	c	50	97	7	5	-	10	10	1500	1023.3	+12	NW	2	bc	44	92	8	8	-	2.3	2.3	2500	1	1	50	43	*	4	0.5	0.0		
	Seilly (St. Mary's)	183	1023.0	-20	NW	5	c/f	50	97	6	5	-	7.8	7.8	1500	1024.0	o	NNW	5	bc	43	85	8	5	-	4.6	4.6	2500	1	3	50	43	*	0.6	0.3	0.0		
	Guernsey	175	1019.6	-16	WNW	2	ir	50	97	6	5	-	10	10	1500	1019.3	+4	WNW	4	c	49	85	9	8	-	9+	9+	1500	1	4	39	38	38	4	1	0.0		
6	Pembroke	142	1021.7	-4	NNW	5	cq	50	97	7	5	2	-	7.8	10	1500	1022.2	+2	NNW	4	c	47	85	7	8	-	7.8	7.8	1500	1	2	51	46	*	2	-	0.0	
7	Holyhead	26	1019.5	-6	WNW	6	bc	48	85	8	5	-	-	4.6	4.6	2500	1020.3	+6	NW	4	bc	47	85	8	5	4	-	1	2.3	2500	1	3	50	46	43	1	-	0.0
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1017.1	+4	W	5	c	46	85	6	5	-	-	10	10	2500	1	*	50	44	40	1	1	0.0			
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1017.7	+4	NW	4	z	42	92	6	7	-	-	1	1	2500	1	*	38	38	34	2	2	0.0			
10	Spurn Head	29	1012.6	-8	WN	4	bc	41	97	5	-	3	-	0	2.3	-	1013.7	+4	WNW	4	b	39	92	7	-	-	0	0	-	1	2	36	36	*	3	Tr	0.0	
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1015.0	+6	WNW	4	b	44	65	9	-	-	-	0	0	-	1	*	44	43	38	Tr	-	1.2	0.0		
	Tynemouth	108	1012.7	0	W	4	bc	46	85	7	5	-	-	2.3	2.3	1500	1013.7	+2	W	3	bc	42	75	7	5	-	2.3	2.3	1500	1	1	48	42	37	-	-	1.6	
11	St Abbs Head	280	1012.1	0	WNW	6	b	46	65	7	4	-	-	Tr	Tr	2500	1012.1	0	WNW	5	b	45	65	8	4	-	Tr	Tr	4000	0	3	55	44	*	-	-	0.0	
	Loughars	36	*	*	*	*	*	*	*	*	*	*	*	1011.3	+4	W	5	bc	44	75	9	5	-	-	2.3	2.3	4000	1	*	48	40	32	-	Tr	2.4	0.0		
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1015.6	+4	WNW	4	bc	45	75	8	5	-	-	4.6	4.6	2500	1	*	51	42	35	Tr	-	0.1	0.0		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1014.5	0	WNW	5	b	41	75	8	4	-	-	Tr	Tr	1500	1	*	46	40	36	0.5	0.1	0.0			
	Point of Ayre	30	1017.9	0	WNW	6	c	48	85	7	5	-	-	9+	9+	1500	1018.7	+2	NW	4	c	47	32	8	5	-	9+	9+	1500	1	3	49	46	*	2	0.6	0.0	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1018.3	+4	WNW	5	c	47	85	7	5	-	-	7.8	7.8	2500	0	*	49	46	43	1	-	0.0			
13B	Stornoway	80	1012.4	+4	WNW	6	bc	47	75	8	5	-	-	4.6	4.6	2500	1013.6	+6	WNW	6	pr	45	85	8	8	-	2.3	2.3	2500	1	3	51	44	*	0.6	2	0.0	
14	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	1014.7	+4	SW	3	ir	39	85	7	4	4	-	2.3	2.3	2500	1	*	52	39	34	Tr	1	1.9	0.0		
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1010.3	+12	NNW	5	ir	45	75	6	5	-	-	4.6	4.6	2500	4	3	49	43	38	-	Tr	0.9	0.0		
	Wick	81	1007.2	-6	WNW	5	bc/pr	45	92	7	5	7	-	4.6	4.6	1500	1008.9	+12	NW	7	bc/pr	43	85	8	5	7	-	2.3	2.3	1500	1	3	51	42	*	Tr	3	0.0
15	Lerwick	156	999.0	-16	WNW	8	c/pr	45	85	8	8	7	-	4.6	10	800	1004.3	+16	NW	4	c	40	92	8	8	7	-	4.6	10	1500	1	*	48	39	*	4	0.0	
17	Blackad Point	18	1025.2	+4	WN	4	bc	48	75	8	5	-	-	4.6	4.6	800	1025.4	+4	W	3	c	48	85	8	5	-	9+	9+	800	0	3	51	46	*	0.1	Tr	0.0	
18	Malin Head	84	1019.9	0	WN	4	b	48	85	7	5	-	-	1	1	4000	1020.6	+4	NW	4	c	48	75	7	8	-	7.8	7.8	4000	1	3	49	44	*	1	0.1	0.0	
	Aldergrove	268	*	*	*	*	*	*	*	*	*	*	*	1020.8	-2	WN	3	z	42	92	5	-	-	9+	9+	1500	1	*	48	39	31	0.2	0.1	0.0	0.0			
19	Birr Castle	173	*	*	*	*	*	*	*	*	*	*	*	1024.3	+2	W'S	2	c	41	92	8	5	-	-	7.8	7.8	1500	1	*	50	40	32	0.2	-	0.0			
20	Valentia Obay. †	30	1026.9	0	W'S	3	dd	50	97	2	5	-	-	10	10	220	1028.0	+2	N'E	3	bc	46	85	8	5	-	4.6	4.6	2500	1	1	51	46	43	0.6	1	0.0	
	Roches Point	22	*	*	*	*	*	*	*	*	*	*	*	1023.7	+4	N	4	bc	45	85	8	5	-	-	2.3	2.3	2500	1	1	54	45	*	0.1	0.3	0.0			

LONDON OBSERVATIONS.												EXPLANATION OF FIGURES, LETTERS, etc.			
7h.—18h. Kew & Croydon. 4.—18h. Kensington. —21h. other stations except rainfall which is 9h.—18h.												COLUMNS 2, 16. The barometric tendency is expressed in tenths of a millibar.			
Height above M.S.L. in feet.												COLUMNS 3, 22.—Code for surface visibility.			
Weather Morning. Afternoon. Night.												COLUMNS 4, 18. THE BEAUFORT SCALE OF WIND is used only for surface observations. In the ac- companying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.			
Temperature. Day Max. Night Min. Min. on Grass °F.												COLUMNS 5, 19.—Code for state of sky.			
Rainfall. Day. Night.												COLUMNS 6, 20.—Code for direction of wind.			
Humidity. Sun- shine to Sunset hrs.												COLUMNS 7, 21.—Code for atmospheric pressure.			
15h. G.M.T. % 21h. G.M.T. % Visibility 9h.												COLUMNS 8, 22.—Code for surface visibility.			
24 hrs. ended 9h.												COLUMNS 9, 23.—Code for objects not visible at 55 yards.			
°F. °F. °F. mm. mm. Yesterday. To-day.												COLUMNS 10, 24.—Code for objects not visible at 55 yards.			
Kew... 18 55 58 55 55 55 55 55 55 55 55 55												0 Dense fog 55 yards.			
Croydon... 217 55 58 55 55 55 55 55 55 55 55 55												1 Thick fog 220 "			
Greenwich (Royal Observatory)... 149 55 58 55 55 55 55 55 55 55 55 55												2 Fog 550 "			
City (Bunhill Row)... — 55 58 55 55 55 55 55 55 55 55 55 55												3 Moderate fog 1,100 "			
Westminster (St. James' Park)... 27 55 58 55 55 55 55 55 55 55 55 55												4 Mist or haze 1 1/2 miles.			
Regents Pk. (Botanic Gardens)... 168 55 58 55 55 55 55 55 55 55 55 55												5 Poor visibility 2 1/2 "			
Camden Square... 110 55 58 55 55 55 55 55 55 55 55 55												6 Moderate " 6 1/2 "			
Kensington... 80 55 58 55 55 55 55 55 55 55 55 55												7 Good " 12 1/2 "			
Hampstead Observatory... 450 55 58 55 55 55 55 55 55 55 55 55												8 Very good " 31 "			
18h. G.M.T. 26th December 7h. G.M.T. 27th December Past 24 Hours.												9 Excellent " beyond 31m.			
Barom. mb. Wind. Direct. Force. Weather. Temp. °F. Barom. mb. Wind. Direct. Force. Weather. Temp. °F. Max. Day °F. Min. Night °F. Rainfall. Day mm. Night mm.												COLUMNS 34, 35. Tr. = rain has fallen, but amount less than 0.1 mm.			
Parks... 1028.6 55 58 55 55 55 55 55 55 55 55 55												0 Calm. 5 Very rough.			
Brussels... 1027.0 55 58 55 55 55 55 55 55 55 55 55												1 Smooth. 6 High.			
Berlin... 1026.5 55 58 55 55 55 55 55 55 55 55 55												2 Slight. 7 Very high.			
Zurich... 1026.7 55 58 55 55 55 55 55 55 55 55 55												3 Moderate. 8 Precipitous.			
Rome... 1012.3 55 58 55 55 55 55 55 55 55 55 55												4 Rough. 9 Confused.			

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

N. K. JOHNSON, M.Sc., A.R.C.S., Director

* 1 hr. observations are from Valentia W/T Station.

1 Maximum and Minimum Temperatures are for the 24 hours ending 8 h.

§ Sea disturbance reported from Dungeness.

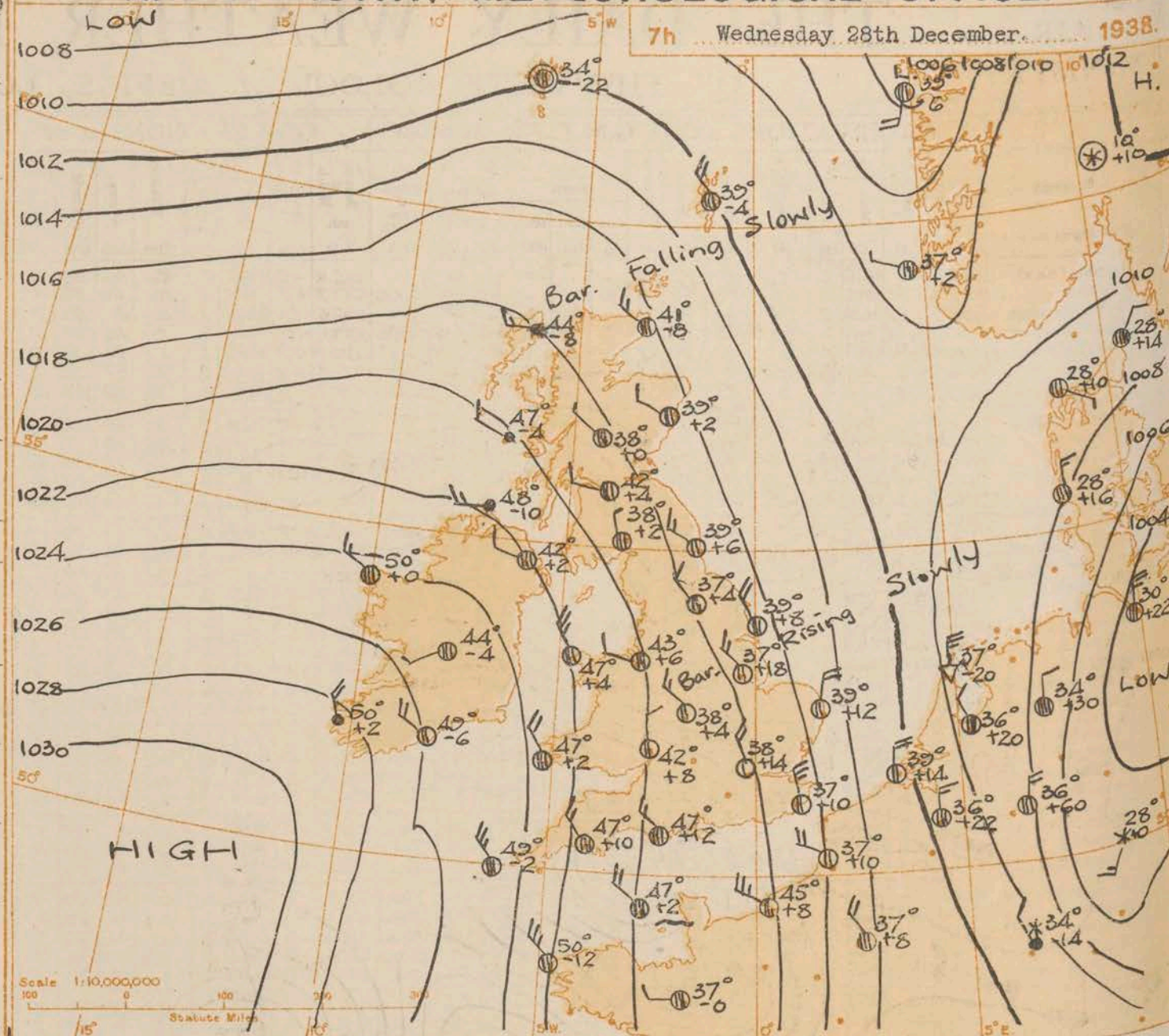
Sea disturbance reported from Dungenes.

REPORTS from HEALTH RESORTS for 27th December, 1938

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 26th to 9h. 27th	Max. 9h. 17th. 27th	Night. 17h. 26th to 9h. 27th	Day. 9h. 17th. 27th	
1	Tunbridge W.	b	bcc	23	42	4	-	5.4
	Bournemouth	bcb	bcc	32	48	1	-	3.3
	Ventnor	orb	bc	33	48	3	-	5.6
	Southsea	b	bcc	34	46	0.4	-	5.3
	Bognor Regis	bcb	bcc	32	45	4	-	6.1
	Littlehampton	bcb	bcc	33	47	4	-	6.5
	Worthing	b	b	33	46	5	-	6.0
	Brighton	b	b	34	45	8	-	5.9
	Eastbourne†	b	bcc	38	45	6	-	6.2
	Hastings†	b	b	37	45	8	-	5.4
	Folkestone	cb	b	32	44	10	-	5.6
	Dover	b	bc	32	44	8	-	6.0
	Deal	cb	bcc	31	42	9	-	4.5
	Ramsgate	bc	bc	31	41	-	-	5.5
	Margate	bc	bc	32	42	4	-	5.0
2	Southend	bz	bccm	29	43	2	-	6.0
	Clacton-on-Sea	b	bccm	29	41	1	-	6.1
	Dovercourt	rbbv	bc	33	41	5	-	6.3
	Lowestoft	b	b	37	40	Trace	-	6.3
	Skegness	b	bcc	33	43	2	-	5.9
	Mablethorpe...	b	bc	30	44	-	-	4.2
	Cleethorpes	bc	bc	30	46	-	-	3.3
3	Leamington S.	co	o	32	46	3	-	0.2
4	Cheltenham†	c	coc	34	46	-	-	0.9
5	Bath	cbcb	bcc	33	48	0.3	-	2.5
	Weymouth	c	c	33	49	0.3	-	1.2
	Jersey	rbcc	bcc	31	50	8	-	4.8
	Torquay	bzbc	bcb	35	49	-	-	3.1
	Falmouth	c	b	33	50	0.4	-	2.7
	Penzance	cbc	bcc	42	51	1	-	2.6
	St. Ives	cbc	bcc	42	49	1	-	2.3
	Bude...	coc	cbcc	36	48	-	-	1.8
6	Aberystwyth	dde	c	45	47	3	-	0.3
7	Llandudno	c	bcc	43	48	1	-	2.0
	Colwyn Bay...	cbc	bcc	44	48	2	-	1.0
	Rhyl	bcc	cbcc	43	47	1	-	1.6
8	Wallasey	bcc	cbc	40	46	2	-	0.6
	Southport	bccbc	bcc	33	47	1	-	4.0
	Blackpool	bcm.	bcm.	34	47	1	-	4.2
	Morecambe							
9	Ilkley...	bc	bc	34	47	-	-	4.0
	Harrogate	b	bcc	36	46	-	-	6.0
10	Berwick-on-T.	b	bcc	42	47	-	-	4.4
11	Dunbar	bcm.	bcm.	34	46	Trace	-	2.3
12	Troon...	ccpc	coco	45	48	1	-	0.3
	Douglas	cicdm	cbr	45	47	0.5	Trace	0.1

* Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.

FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th December, 1938.

1 S.E. England	Moderate northwest winds falling light, mainly fair or fine at first, but local fog developing at night, average temperature, local ground frost at night.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	Moderate northwesterly winds falling light, mainly fair at first, occasional drizzle later, local fog developing at night, average temperature, local ground frost at night, but temperature tending to rise later.
6 South Wales	
7 North Wales	
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	Moderate or fresh northwest to west winds, mainly cloudy with occasional rain or drizzle, local fog at night, becoming rather mild.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	As 5 - 11.
14 Mid Scotland	
15 N. E. Scotland	Light or moderate northwest to west winds, mainly cloudy, occasional drizzle, local fog at night, rather mild.
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2

0.754/550. Ht. 8086 D. 3769. Sp. 354/11/12/34

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

An anticyclone lies between the Azores and Iceland. It will be mainly fair in the South and East, but there will be some rain or drizzle in the North and West. Temperatures will tend to rise.

FURTHER OUTLOOK.

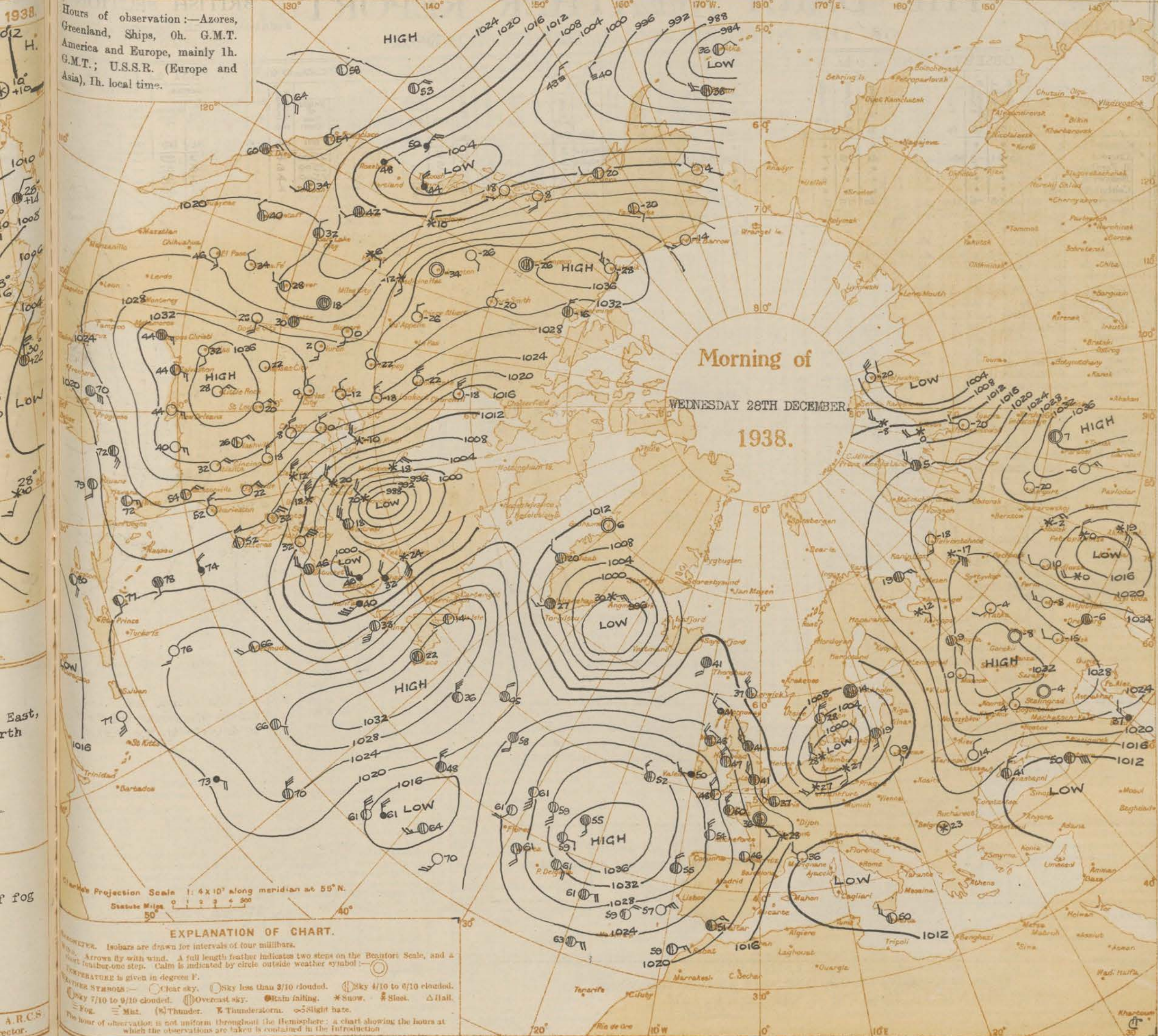
Rather mild in the North and West. A chance of fog becoming prevalent in the South and Midlands.

Forecasts issued at 1030 G.M.T.

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
 Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
 TEMPERATURE is given in degrees F.
 WEATHER SYMBOLS: — Clear sky. — Sky less than 3/10 clouded. — Sky 4/10 to 6/10 clouded. — Sky 7/10 to 9/10 clouded. — Overcast sky. — Rain falling. — Snow. — Sleet. — Hail. — Fog. — Mist. — Thunder. — Thunderstorm. — Slight haze.
 The hour of observation is not uniform throughout the Hemisphere: a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 28th December, 1958.

No. 28160

OBSERVATIONS at 1 hr. G.M.T. 28th December														OBSERVATIONS at 7 hr. G.M.T. 28th December														PAST 24 HOURS.										
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.				State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		Sun-shine Hrs. (36)				
					Dir.	Force (0-12)					Low	Med.	High	Low			Total 0-10	Height of Base. (feet) (14)					Dir.	Force (0-12)	Low	Med.			High	Low	Total 0-10	Height of Base. (feet) (28)	Max. Day 7h-18h °F. (31)		Min. Night 18h-7h °F. (32)	Min. on Grass °F. (33)	Day 7h-18h mm. (34)	Night 18h-7h mm. (35)
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1018.7	+16	NNW	2	Z	39	85	6	5	-	-	Tr	Tr	2500	4	*	44	39	29	-	-	-	5.6		
	Croydon	217	1016.4	-2	NNW	4	C	41	75	7	5	-	7.8	1018.2	+14	NNW	3	b	38	85	7	5	-	-	Tr	Tr	2500	6	*	43	38	32	-	-	-	6.3		
	S. Farborough	228	*	*	*	*	*	*	*	*	*	*	*	1019.2	+14	NNW	2	bc	38	85	6	5	3	-	2.3	2.3	2500	4	*	45	37	33	-	-	-	6.3		
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1019.8	+10	NNW	3	bc	37	85	7	5	7	-	4.6	4.6	2500	4	*	44	36	30	-	-	-	4.7		
	Calshot (St. Mary's)	8	*	*	*	*	*	*	*	*	*	*	*	1019.3	+10	NNW	4	bc	40	85	7	5	3	S	1	4.6	4.6	4000	1	2	47	39	37	-	-	-	5.8	
	Lymington	346	1014.8	-6	NW	4	Z	40	75	6	5	-	4.6	1016.5	+10	NNW	5	bc	37	85	7	5	-	-	2.3	2.3	5700	4	2	41	37	33	-	-	-	5.6		
	Manston	154	1013.7	-2	NNW	4	Z	38	85	6	5	-	4.6	1016.0	+14	NNW	4	Z	37	85	6	5	-	-	4.6	4.6	4000	6	*	39	36	33	-	-	-	-		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1016.6	+14	NNW	3	C	36	85	7	5	4	-	4.6	7.8	4000	6	*	42	36	32	-	-	-	6.1		
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1015.6	+8	NW	4	b	36	85	7	5	-	-	1	1	2500	6	3	42	36	33	-	-	-	6.1		
	Gorleston	5	1011.6	0	NNW	4	pr	38	92	6	6	-	9	1014.6	+12	NW	4	bc	39	92	7	8	5	-	2.3	4.6	1500	4	2	41	35	35	-	-	2	6.0		
	Mildenhall	19	*	*	*	*	*	*	*	*	*	*	*	1016.8	+14	NNW	3	bc	34	92	7	5	3	-	4.6	4.6	2500	3	*	39	32	28	-	-	-	5.8		
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1017.9	+18	NNW	3	bc	37	92	7	5	-	-	2.3	2.3	2500	6	*	44	37	34	-	-	-	5.9		
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1019.4	+4	NW	3	bc	38	85	6	5	-	-	4.6	4.6	1500	4	*	45	38	34	-	-	-	1.1		
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1013.5	+14	NW	3	b	37	92	7	5	-	-	Tr	Tr	4000	4	*	42	37	31	-	-	-	-		
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1019.9	+8	N	2	bc	42	75	7	5	5	-	Tr	Tr	2500	1	*	43	41	33	-	-	-	2.9		
5	Hartland Point	299	1021.3	-6	NW	5	C	47	75	8	5	2	4.6	1022.0	+4	NNW	5	bc	47	85	8	5	3	-	4.6	4.6	1500	1	3	48	45	44	-	-	-	1.0		
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1020.5	+10	NNW	2	Z	43	75	6	5	7	-	4.6	4.6	1500	1	4	47	40	35	-	-	-	4.0		
	Portland Bill	32	-6	NW	3	0	47	92	8	5	-	-	10	1019.1	+12	NNW	3	C	47	85	8	5	-	-	10	10	2500	1	2	50	45	*	-	-	-	*		
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1021.9	+10	NW	3	C	47	85	7	5	-	-	9	9	2500	1	1	50	46	44	-	-	-	3.1		
	The Lizard	240	1023.3	-10	NW	4	bc	48	92	8	8	6	4.6	1023.6	0	NW	4	C	45	92	8	8	1	-	7.8	9	2500	1	2	50	44	*	-	-	-	2.1		
	Scilly (St. Mary's)	163	1024.8	-6	NNW	4	bc	48	85	8	8	-	4.6	1024.6	-2	NNW	5	C	49	85	8	8	2	-	4.6	9	1500	1	3	50	47	*	-	-	-	3.9		
	Guernsey	175	1020.0	-6	NNW	5	C	47	75	7	8	-	7.8	1019.9	+2	NW	4	C	47	85	7	8	3	-	4.6	9	2500	1	4	49	46	44	-	-	-	5.2		
6	Pembroke	142	1021.8	-2	NNW	4	bc	47	97	7	5	2	4.6	1022.8	+2	NNW	4	C	47	92	7	5	2	-	4.6	7.8	2500	1	3	49	46	*	-	-	-	0.3		
7	Holyhead	26	1020.1	0	NNW	5	C	47	85	7	6	2	4.6	1021.1	+4	NNW	5	C	47	85	8	5	7	-	2.3	10	2500	1	3	49	46	44	-	-	-	2.5		
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1020.4	+6	NW	2	bc	43	85	8	5	-	-	4.6	4.6	4000	1	*	48	41	35	-	-	-	1.7		
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1019.8	+8	SW	2	Z	37	92	5	-	4	5	0	4.6	-	1	*	47	35	26	-	-	-	2.5		
10	Spurn Head	29	1013.8	0	NW	6	bc	40	92	7	3	-	4.6	1016.5	+8	NNW	4	C	39	92	7	3	5	-	4.6	7.8	1500	1	3	43	38	*	-	-	-	3.9		
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	1017.7	+4	NNW	2	bc	37	75	8	5	-	-	4.6	4.6	2500	1	*	46	35	28	-	-	-	5.5		
	Tynemouth	108	1015.8	+12	NW	3	0/r	41	85	7	-	2	10	1017.5	+6	NW	3	bc	39	85	6	2	-	-	4.6	4.6	2500	1	2	46	38	35	-	-	-	3.7		
11	St. Abbs Head	280	1016.0	+8	N	4	bc	43	75	8	8	4	4.6	1017.1	+4	NNW	3	bc	40	65	8	4	4	-	2.3	4.6	2500	0	3	47	39	*	-	-	-	*		
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	1017.4	0	N	4	C	39	75	8	4	7	-	1	7.8	4000	1	*	47	34	23	-	-	-	3.0		
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1018.8	+4	NW	2	C	42	85	8	5	-	-	10	10	4000	1	*	47	36	29	-	-	-	2.0		
	Edinburgh	794	*	*	*	*	*	*	*	*	*	*	*	1019.0	+2	NW	1	C	38	75	8	5	-	-	9	9	1500	1	*	45	34	28	-	-	-	4.3		
	Point of Ayre	30	1019.3	+6	NNW	5	bc	47	75	8	5	4	8	1020.3	0	N	4	C	46	85	8	5	-	-	9	9	1500	0	2	49	46	*	-	-	-	0.9		
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	1019.4	-4	NNW	2	rr	47	97	7	-	2	-	9	9	1500	1	*	48	46	43	0.1	1	-	0.4		
13B	Stornoway	80	1018.9	+8	NNW	3	ir	41	85	7	8	7	7.8	1017.9	-8	N	3	ir	44	85	7	8	7	-	7.8	9	2500	1	1	48	40	2	-	-	-	0.4		
16	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	0	NW	1	C	38	75	7	4	7	-	4.6	10	2500	0	*	42	35	27	-	-	-	1.6		
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	1016.1	+2	NNW	2	C	39	85	6	5	3	-	1	7.8	2500	1	1	45	36	30	0.5	0.3	-	3.0		
	Wick	81	1015.0	+6	NNW	6	C	41	85	7	5	7	4.6	1015.0	-8	NW	3	C	41	85	8	5	7	-	7.8	9	1500	1	2	45	39	*	-	-	-	-		
16	Lerwick	156	1011.3	+8	NNW	5	pr	37	85	8	8	7	4.6	1011.3	-4	NNW	4	C	39	85	8	9	7	-	4.6	7.8	1500	1	*	45	35	*	-	-	-	0.1		
17	Blackod Point	18	1025.4	-2	N	2	df	49	97	3	6	-	10	1024.8	0	NW	3	C	50	97	7	5	-	-	10	10	800	1	3	50	46	*	-	-	-	0.0		
18	Malin Head	84	1021.7	+8	NW	4	C	48	85	7	5	-	9	1021.6	-10	N	3																					

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 29th December, 1938.
No. 28161.

STATIONS.	OBSERVATIONS at 13h. G.M.T. 28th December														OBSERVATIONS at 18h. G.M.T. 28th December														PAST 24 HOURS.																			
	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	%Humid.	Visibility	Cloud.						Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp.	%Humid.	Visibility	Cloud.						State of Ground.	Sea.	WEATHER.																	
			Dir.	Force					Form.	Amount.	Height of Base (feet)	Dir.	Force	Form.			Amount.	Height of Base (feet)					Dir.	Force	Form.	Amount.	Height of Base (feet)	7h.—13h. 28th			13h.—18h. 28th	18h.—24h. 29th	1h.—7h. 29th															
																																		Low	Med.	High	Low	Total	Low	Med.	High	Low	Total	Low	Med.	High	Low	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(37)	(38)	(39)	(40)															
(For heights see p. 4.)																																																
1 London (Kew) ...	1019.4	-6	NW	2	z	42	65	5	-	7	-	0	9+	1018.4	-8	SW	2	z	39	85	5	5	-	-	10	10	2500	4	*	bmbcm	cmcm	cmr	fford															
Croydon ...	1019.5	-4	NW	3	m/f	41	75	4	-	7	-	0	9+	1019.1	-2	WSW	2	m/f	39	75	4	-	7	-	-	10	10	2500	4	*	bmbcm	cmcm	cmr	fford														
S. Farnborough ...	1020.2	-6	NW	2	z	41	75	6	5	7	-	7.8	9+	1019.0	-6	W	1	z	38	92	5	5	-	-	10	10	2500	4	*	bcm	cm	cmr	fford															
Boscombe Down ...	1021.1	-8	NW	2	z	41	75	6	5	3	-	2.3	9+	1013.5	-6	W	2	c/r	41	85	6	5	2	-	7.8	10	2500	4	*	bcm	cm	cmr	fford															
Cashot (Stmnt.) ...	1020.8	-2	NW	3	z	42	85	6	5	7	-	4.6	9+	1019.6	-10	WSW	2	c	41	85	7	5	7	-	2.3	10	4000	1	1	bcm	cm	cmr	fford															
Lymington ...	1018.8	-2	NW	4	c	39	75	7	5	3	-	4.6	9+	1018.3	-6	NW	2	z	37	85	6	5	-	-	10	10	5700	4	2	bcm	cm	cmr	fford															
Marston ...	1017.5	-6	NW	4	c	38	85	7	5	3	-	Tr	9+	1017.6	-2	NW	3	z	37	85	5	5	-	-	10	10	4000	6	*	bcm	cm	cmr	fford															
2 Shoeburyness ...	1018.2	0	NW	3	c	39	85	7	6	-	2.3	9+	4000	1017.9	-2	WN	2	c	38	85	6	4	7	-	2.3	10	4000	6	*	c	cm	cmr	mc															
Felixstowe ...	1017.6	+6	NW	4	c	38	85	7	5	-	9+	9+	4000	1017.3	-2	WN	3	ir	38	85	6	5	-	-	10	10	2500	6	3	bcm	cm	cmr	mc															
Gorleston ...	1016.3	0	NW	3	c	39	92	6	5	-	9+	9+	2500	1016.1	0	NW	2	ir	37	85	6	6	-	-	10	10	1500	1	2	bcm	cm	cmr	cz															
Mildenhall ...	1018.0	-6	NW	3	z	37	85	6	-	7	-	0	9+	1017.2	-2	WSW	2	ir	35	92	5	5	2	-	4.6	10	2500	4	*	bcm	cm	cmr	omoff															
Cranwell ...	1018.5	-6	NW	2	z	39	92	5	5	7	-	2.3	9+	1017.4	-6	W	2	m/f	36	97	4	5	2	-	7.8	9+	2500	4	*	bcm	cm	cmr	off															
3 Birmingham ...	1019.7	-4	NW	2	m	42	85	4	-	7	-	0	9+	1018.0	-4	NW	2	rf	43	97	3	6	-	-	10	10	200	1	*	bcm	cm	cmr	ro															
Upper Heyford ...	1020.5	-6	NW	2	z	39	92	5	5	3	-	7.8	9+	1019.1	-6	WSW	2	o/r	37	97	6	5	-	-	10	10	1500	4	*	bcm	cm	cmr	ro															
Rose-on-Wye ...	1020.2	-10	WS	2	c	46	75	8	5	3	-	9+	9+	1018.1	-14	SW	1	id	46	85	8	5	-	-	10	10	2500	1	*	c	cm	cmr	ro															
4 Hartland Point ...	1022.5	-8	NW	4	bc	47	85	8	2	4	-	1	2.3	1020.6	-6	NW	3	F	48	97	1	-	-	-	10	10	1500	1	2	bcm	cm	cmr	ro															
Bristol ...	1021.2	-8	NW	3	z	45	75	7	4	7	-	7.8	9+	1019.2	-4	W	1	c/pr	44	92	6	5	7	-	7.8	9+	2500	1	2	bcm	cm	cmr	ro															
Portland Bill ...	1020.8	+6	NW	3	c	46	92	7	5	-	-	10	10	1019.7	-8	NW	3	c	47	92	7	5	-	-	10	10	2500	1	2	c	cm	cmr	ro															
Plymouth ...	1022.6	-6	NW	3	c	49	75	8	5	-	-	7.8	7.8	1021.2	-6	WN	2	z	49	92	6	5	-	-	9+	9+	1500	1	1	c	cm	cmr	ro															
The Lizard ...	1023.7	-6	NW	4	bc	50	85	8	6	-	-	4.6	4.6	1022.4	-10	W	3	df	49	97	2	5	-	-	10	10	300	1	1	c	cm	cmr	ro															
Scilly (St. Mary's) ...	1025.0	-6	NW	3	c	50	92	8	8	7	3	4.6	7.8	1023.5	-4	NW	4	c	50	92	8	5	-	-	10	10	1500	1	3	c	cm	cmr	ro															
Guernsey ...	1021.2	-2	N	1	c	47	65	7	8	3	-	9	9+	1020.2	-2	WNW	1	c	46	85	7	8	-	-	9	9	2500	1	2	c	cm	cmr	ro															
5 Pembroke ...	1023.1	-6	NW	3	c/d	49	97	7	5	2	-	7.8	9+	1021.5	-6	NW	4	cq	50	97	7	5	2	-	4.6	9+	2500	1	2	c	cm	cmr	ro															
Holyhead ...	1020.5	-18	NW	3	d	47	92	6	5	2	-	9	10	1018.6	-4	NW	4	c	49	92	7	5	-	-	10	10	2500	1	2	c	cm	cmr	ro															
Chester (Sealand) ...	1013.8	-14	WS	4	c	48	85	7	8	3	-	9	9+	1017.5	-12	W	4	rr	48	97	6	-	-	-	10	10	800	1	*	bcm	cm	cmr	ro															
Manchester ...	1013.1	-18	NW	2	m/f	42	92	4	5	3	-	4.6	9+	1017.1	-8	WN	1	rf	45	97	2	-	-	-	10	10	1500	1	*	bcm	cm	cmr	ro															
6 Spurn Head ...	1017.0	-2	NW	4	c	39	92	6	5	2	-	7.8	10	1016.3	-4	NW	3	c	39	85	6	5	2	-	7.8	10	1500	1	2	c	cm	cmr	ro															
Catterick ...	1017.6	-14	NW	3	c	43	75	7	5	3	-	4.6	7.8	1016.0	-2	WS	1	r/r	41	97	5	-	2	-	10	10	1500	1	2	bcc	cm	cmr	ro															
Tynemouth ...	1016.7	-16	W	3	c	40	75	5	5	-	-	9+	9+	1015.2	-4	W	3	o/r	43	85	6	-	2	-	10	10	1500	1	2	bcc	cm	cmr	ro															
7 St. Abbs Head ...	1015.9	-20	NW	3	c/r	45	65	7	4	-	-	10	10	1014.7	0	SSW	1	r/r	43	92	5	3	2	-	4.6	10	1500	1	2	c	cm	cmr	ro															
Leuchars ...	1015.3	-22	WSW	1	c/r	43	85	7	5	8	5	4.6	7.8	1013.5	-6	WSW	1	c	44	92	8	5	3	-	7.8	9	2500	1	*	c	cm	cmr	ro															
Bentley (Abbott L.) ...	1016.1	-22	NW	2	z	48	85	6	5	3	-	7.8	9+	1014.9	-6	NW	1	c	49	92	7	5	-	-	4.6	9+	1500	1	*	bcm	cm	cmr	ro															
Reddlemuir ...	1016.7	-20	NW	2	id	42	85	7	5	7	-	7.8	9	1014.7	-8	NW	3	c/d	46	92	6	5	-	-	7.8	7.8	800	1	*	cwc	cm	cmr	ro															
Point of Ayre ...	1013.7	-12	NW	4	c/pr	43	92	7	5	2	-	4.6	10	1017.2	-8	NW	5	d/c	48	97	6	5	2	-	7.8	10	800	1	3	c	cm	cmr	ro															
8 Tiree ...	1017.3	-10	NW	5	c	49	97	6	5	-	-	9+	9+	1015.8	-6	WN	4	id	48	97	6	5	-	-	10	10	1500	1	3	ord	cm	cmr	ro															
Stornoway ...	1014.3	-16	NW	4	dd	49	97	6	5	2	-	7.8	10	1013.1	-14	WSW	4	dd	48	97	6	5	2	-	9	10	1500	1	2	icprdd	cm	cmr	ro															
Dalwhinnie ...	1015.4	-20	W	1	c	45	85	7	5	2	-	4.6	10	1014.7	-14	SW	2	c	45	92	7	4	4	-	4.6	7.8	2500	0	*	c	cm	cmr	ro															
Aberdeen ...	1014.2	-20	SW	1	m/d	42	85	4	5	2	-	1	10	1012.8	-8	SW	2	d/c	42	97	5	-	2	-	10	10	1500	1	1	befdc	cm	cmr	ro															
Wick ...	1012.9	-16	WSW	3	id	43	97	6	5	2	-	9	10	1010.6	-6	WNW	2	d/c	47	97	7	5	2	-	9	10	800	1																				

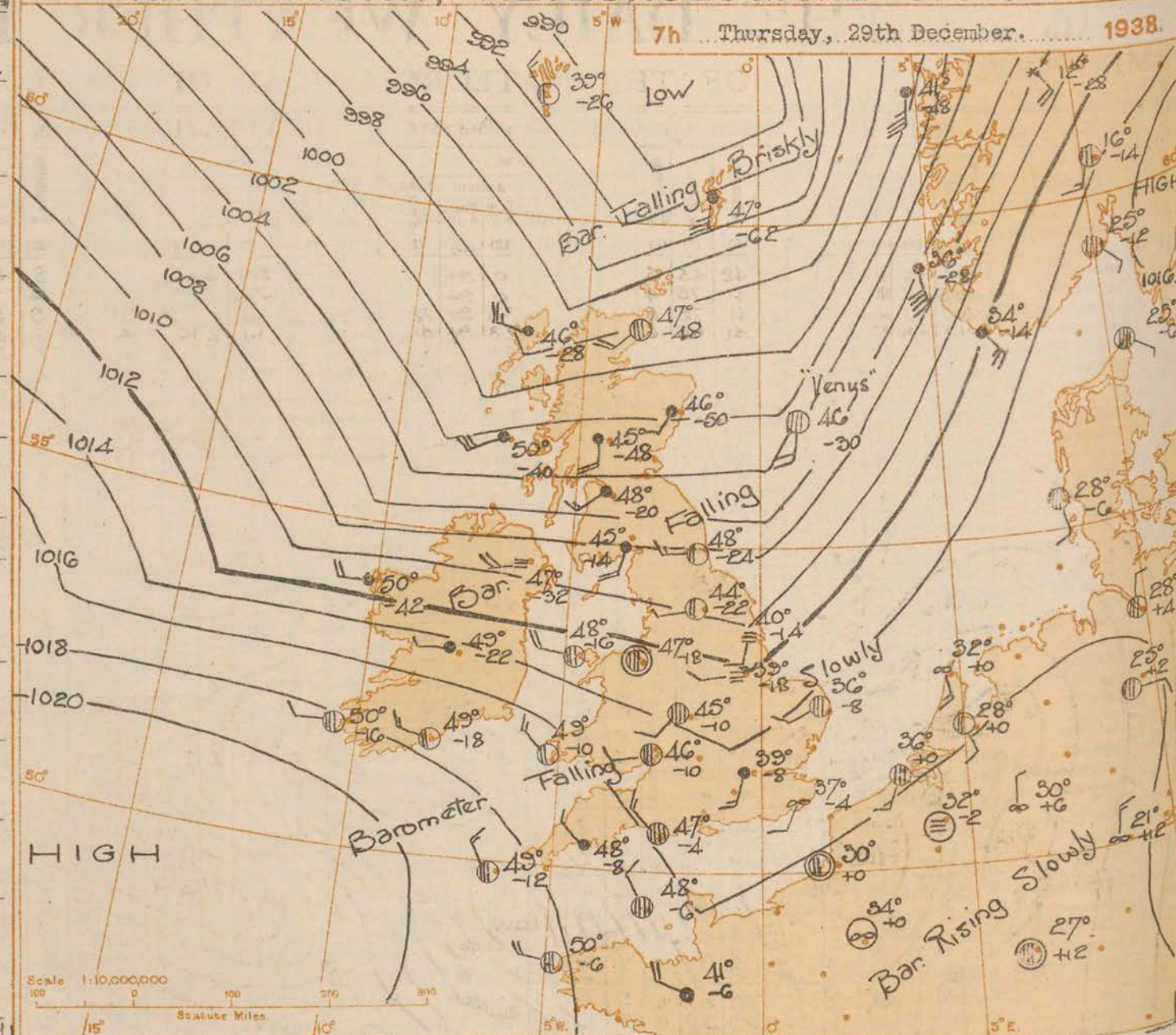
REPORTS from HEALTH RESORTS for 28th December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature. (°F.)		Rainfall. (mm.)		SUNSHINE (hrs)
		Fore-noon.	After-noon.	Min. 9h. 27th. to 9h. 28th.	Max. 9h. 17th. to 9h. 28th.	Night. 17h. 27th. to 9h. 28th.	Day. 9h. 17th. to 9h. 28th.	
1	Tunbridge W.	bcco	o	37	41	-	-	2.2
	Bournemouth	bcc	cbcm	37	47	-	-	1.4
	Ventnor ...	bo	o	39	44	-	-	1.9
	Southsea ...	bcc	c	37	43	-	-	1.7
	Bognor Regis	b	bbc	38	44	-	-	2.7
	Littlehampton	bcc	c	36	46	-	-	2.6
	Worthing ...	bbcc	c	38	43	-	-	2.8
	Brighton ...	cbbc	c	38	45	-	-	1.9
	Eastbourne...	bbcc	co	38	44	-	-	2.4
	Hastings...	bcc	co	37	43	-	-	3.2
	Folkestone ...	bcc	bcc	37	41	-	-	3.1
	Dover ...	bc	bcco	37	42	-	-	3.2
2	Deal ...	b	co	35	40	-	-	3.4
	Ramsgate ...	bc	c	37	41	-	-	3.4
	Margate ...	bc	c	37	40	-	-	2.5
	Southend ...	bzb	co	36	40	-	-	2.0
	Clacton-on-Sea	bccm	com	35	39	-	-	2.4
	Dovercourt ...	bc	oc	36	38	-	-	2.0
	Lowestoft ...	bbcc	circ	32	40	-	Trace	2.2
	Skegness ...	cbbc	com	36	45	3	Trace	1.2
	Mablethorpe...	co	orm	35	40	1	Trace	0.4
	Cleethorpe ...	c	c	37	41	0.5	Trace	0.0
	Leamington S.	cp	or	37	43	-	0.4	0.0
	Cheltenham...	mxc	oifom	33	45	-	Trace	0.0
3	Bath ...	bcc	cbcp	35	47	-	Trace	1.1
	Weymouth ...	c	cb	43	47	-	-	0.0
	Jersey ...	bcc	c	45	50	Trace	-	1.5
	Torquay ...	bcc	bc	45	50	-	-	2.2
	Falmouth ...	b	bccor	45	50	-	0.3	2.2
	Penzance ...	bcc	ccid	46	51	-	Trace	1.1
	St. Ives ...	bc	bcmd	45	50	-	0.5	2.7
	Bude... ..	oc	cbco	46	49	-	-	4.0
	Ilfracombe ...	c	cffdd	44	48	-	1	0.2
	Aberystwyth	co	odrm	44	47	-	0.4	0.1
	Llandudno ...	cbcc	cdoda	45	49	-	0.5	0.0
	Colwyn Bay...	c	odda	42	48	-	1	0.0
4	Rhyl ...	cbcc	corr	41	45	Trace	2	0.9
	Wallasey ...	cbcc	cpadr	38	46	Trace	2	1.0
	Southport ...	cm	omdf	41	46	Trace	1	0.5
	Blackpool ...	co	or	34	42	-	0.2	0.0
	Harrogate ...	c	corr	37	42	-	1	0.0
	Berwick-on-T.	omr	rm	35	43	0.6	0.2	0.0
	Dunbar ...	bcmx	cmr	35	45	-	Trace	0.0
	Troon ...	ococo	poloc	45	50	-	0.3	0.5
	Douglas ...	c	cid	45	48	-	0.3	0.0
	Ilkley ...	co	or	34	42	-	0.2	0.0
	Harrogate ...	c	corr	37	42	-	1	0.0
	Berwick-on-T.	omr	rm	35	43	0.6	0.2	0.0

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Thursday, 29th December, 1938.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th December, 1938.

1 S.E. England	
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Moderate or fresh west or northwest winds, strong locally,
5 S.W. England	cloudy or dull at first with occasional rain or drizzle and local
6 South Wales ...	mist or fog, becoming fairer later; rather mild and close at first.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man	
13 { A.W. Scotld. B.N.W.Scot- land.	Fresh or strong west or northwest winds, a gale locally, veering
14 Mid Scotland	north later; fair periods, occasional rain; becoming rather cold.
15 N.E. Scotland	
16 Orkney and Shetland	
17 N.W. Ireland	Fresh west or northwest winds, strong locally, occasional rain at
18 N.E. Ireland	first; bright periods later; rather mild and close at first.
19 S.E. Ireland	
20 S.W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2.

6745/5546. Wc. 8098. D. 3783. Sp. 940 3540. (2/38)

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

A depression north of Shetland will move east-southeast. It will be rather mild and close at first but temperature will fall later. There will be occasional rain in many districts.

FURTHER OUTLOOK.

Fair periods and showers.

Time of Issue of Gale Warnings.

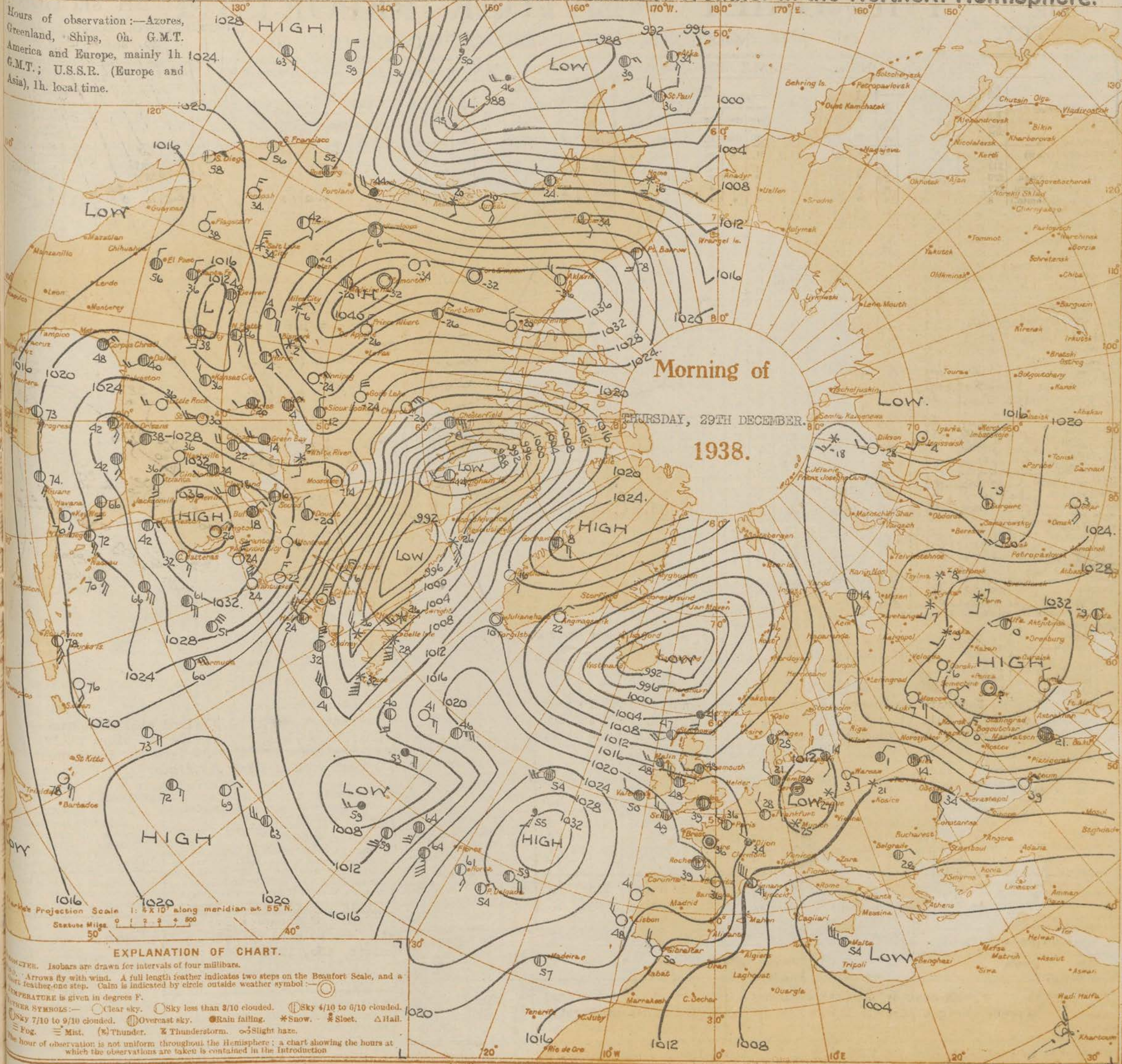
South Cone hoisted at 0435 on 29/12/38 in districts 13b, 15 and 16.

Forecasts issued at

N. K. JOHNSON, M.Sc., A.R.C.S.
Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



EXPLANATION OF CHART.

Isobars are drawn for intervals of four millibars.
 Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
 TEMPERATURE is given in degrees F.
 WEATHER SYMBOLS:— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS

COLUMNS 5, 19, 37, 38, 39, 40.—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.		COLUMNS 9, 23.—FORM OF LOW CLOUD.		COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.		COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.	
b, blue sky (not more than a quarter covered with cloud).	q, squalla. r, rain. s, snow.	0 No low clouds.	0 No medium clouds.	0 No cirriform cloud.	0 No cirriform cloud.	0 No cirriform cloud.	0 No cirriform cloud.
bo, sky partly cloudy (one half covered). c, generally cloudy.	rs, sleet. t, thunder.	1 Fair weather Cu.	1 Typical As (thin).	1 Typical As (thin).	1 Fine Ci not increasing: sparse.	1 Fine Ci not increasing: sparse.	1 Fine Ci not increasing: sparse.
d, drizzle. e, wet air. g, gloom.	u, ugly, threatening sky.	2 Large Cu without anvil.	2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).	2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).	2 Fine Ci not increasing: abundant but not a continuous layer.	2 Fine Ci not increasing: abundant but not a continuous layer.	2 Fine Ci not increasing: abundant but not a continuous layer.
f, fog, visibility 220-1100 yds.	v, unusual visibility. w, dew.	3 Cb.	3 Single layer of Ac or high Sc.	3 Single layer of Ac or high Sc.	3 Anvil Ci (usually dense).	3 Anvil Ci (usually dense).	3 Anvil Ci (usually dense).
fb, thick fog, less than 220 yds.	x, hoar frost. y, dry air.	4 Sc formed by the spreading out of Cu.	4 Ac in isolated patches. Individually decreasing (often lenticular).	4 Ac in isolated patches. Individually decreasing (often lenticular).	4 Fine Ci increasing: usually in tufts.	4 Fine Ci increasing: usually in tufts.	4 Fine Ci increasing: usually in tufts.
fs, low fog over sea (coast station).	z, dust haze: the turbid atmosphere of dry weather.	5 Layer of St or Sc.	5 Ac in bands (increasing).	5 Ac in bands (increasing).	5 Ci or Cs increasing: still below 45° altitude: often in polar bands.	5 Ci or Cs increasing: still below 45° altitude: often in polar bands.	5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
fg, low fog over land (inland station).	h(r), "hail" or "rain and hail."	6 Ragged low clouds of bad weather (or fractonimbus).	6 Ac formed from the spreading out of Cu.	6 Ac formed from the spreading out of Cu.	6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.	6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.	6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
m, mist, visibility 1100-2200 yds.	Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain.	7 Fair weather Cu. and Sc.	7 Ac associated with As or As with parts resembling Ac.	7 Ac associated with As or As with parts resembling Ac.	7 Veil of Cs covering whole sky.	7 Veil of Cs covering whole sky.	7 Veil of Cs covering whole sky.
h, hail. i, intermittent.	rr, continuous rain.	8 Large-Cu (or Cb) and Sc.	8 Ac Castellatus (or Ac in ragged fragments).	8 Ac Castellatus (or Ac in ragged fragments).	8 Cs not increasing and not covering whole sky.	8 Cs not increasing and not covering whole sky.	8 Cs not increasing and not covering whole sky.
hf, fog at a distance, but not at station.	<, less than (for cloud height). gale.	9 Large-Cu (or Cb) and ragged low clouds of bad weather.	9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.	9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.	9 Cs predominating, and a little cirrus.	9 Cs predominating, and a little cirrus.	9 Cs predominating, and a little cirrus.
jp, precipitation within sight of station.	⊕, Solar halo. ⊙ Lunar halo. ☉ Aurora.				(Cc may occur with any of the types 1 to 8).	(Cc may occur with any of the types 1 to 8).	(Cc may occur with any of the types 1 to 8).
ks, storm of drifting snow.	With present weather is combined, whenever possible, the general character of the weather.						
ks, slight storm of drifting snow (generally low).	A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.						
ks, heavy storm of drifting snow (generally low).							
ks, slight storm of drifting snow (generally high).							
ks, heavy storm of drifting snow (generally high).							
KQ, line squall. l, lightning.							
o, overcast sky. n, passing showers.							

NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2

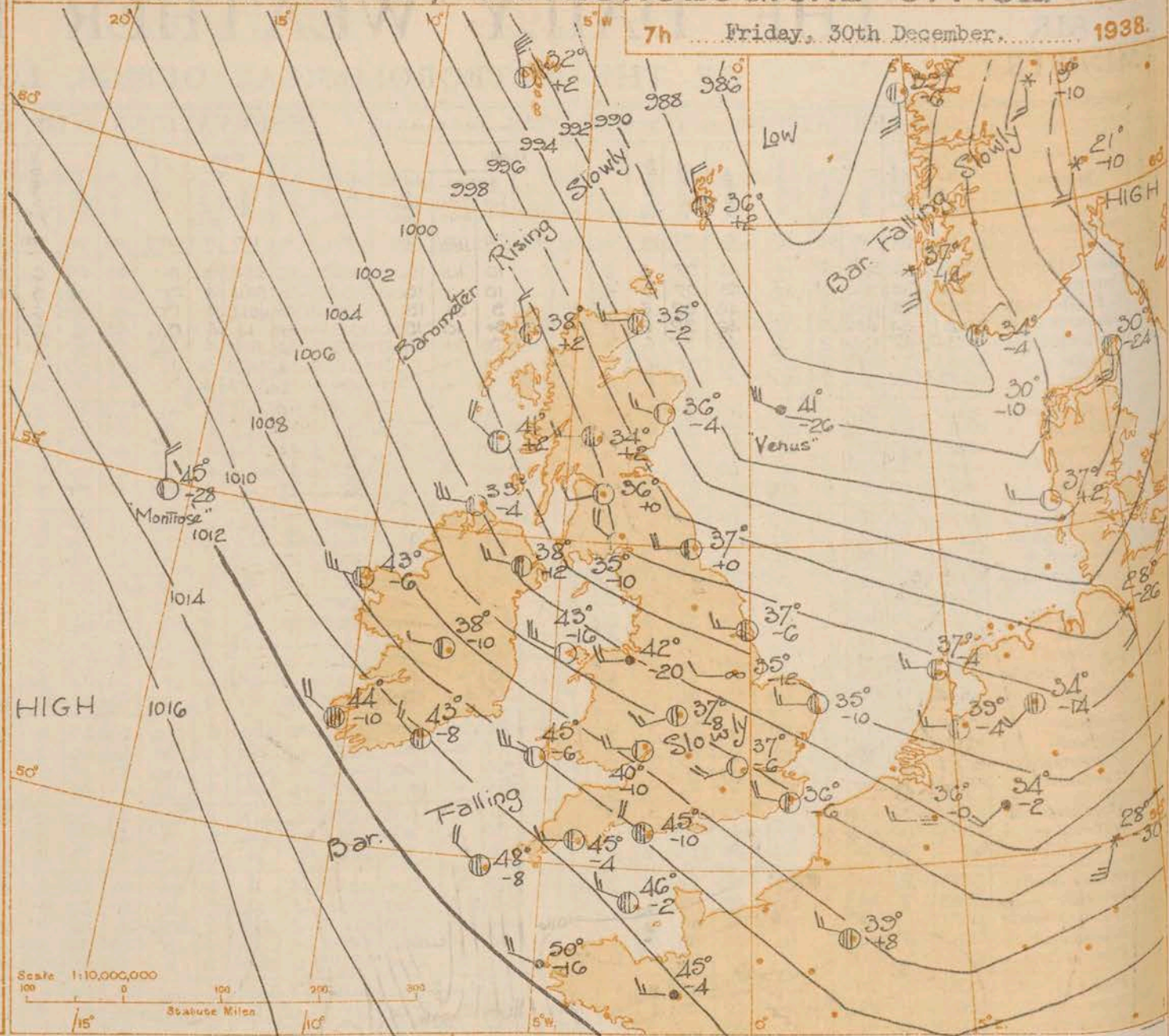
REPORTS from HEALTH RESORTS for 29th December 1938.

DISTRICTS.	STATIONS.	WEATHER.		Temperature (°F.)		Rainfall (ins)		SUNSHINE (hrs)
		Forenoon.	Afternoon.	Min.	Max.	Night.	Day.	
				9h. 28th to 9h. 29th.	9h. 29th to 9h. 30th.	17h. 28th to 9h. 29th.	9h. 29th to 9h. 30th.	
1	Tunbridge W.	ofd	oor	35	44	Trace	1	0.0
	Bournemouth	odso	orso	40	49	1	0.3	0.5
	Ventnor	rou	cor	41	48	1	0.3	0.1
	Southsea	co	cor	40	48	1	0.3	0.0
	Bognor Regis	foir	oir	39	46	2	0.3	0.0
	Littlehampton	ofe	ado	37	45	1	0.3	0.0
	Worthing	of	ado	40	45	1	0.3	0.0
	Brighton	ded	ded	36	45	—	Trace	0.0
	Eastbourne	fes	dof	40	47	0.2	0.4	0.0
	Hastings	omdo	dof	38	46	Trace	0.3	0.0
	Folkestone	food	odo	33	44	Trace	1	0.0
	Dover	—	—	—	—	—	Trace	0.0
2	Deal	odso	ido	34	45	—	Trace	0.0
	Ramsgate	cod	o	36	43	0.5	Trace	0.0
	Margate	c	cd	36	44	0.5	0.3	0.0
	Southend	ofofd	ofomr	36	42	Trace	2	0.0
	Clacton-on-Sea	cofmd	odrm	33	40	0.2	0.6	0.0
	Dovercourt	foe	foer	33	40	—	4	0.0
	Lowestoft	cmair	cmr	33	42	0.2	3	0.0
	Skegness	oof	orr	36	43	2	2	0.0
	Mablethorpe	omo	omod	36	44	0.3	4	0.0
	Cleethorpe	cr	cr	37	46	Trace	3	0.0
	Leamington S.	cor	obr	39	49	3	2	0.4
	Cheltenham	oc	colg	41	49	2	0.3	0.0
3	Bath	mc	cs	37	50	1	Trace	0.1
	Weymouth	c	cs	44	50	0.3	0.1	0.2
	Jersey	rorc	crc	44	50	1	1	0.3
	Torquay	mwidc	cobcg	45	53	Trace	Trace	0.4
	Palmouth	c	comgr	47	52	0.1	Trace	0.0
	Penzance	cbe	c	47	54	Trace	—	2.2
	St. Ives	cs	cs	47	50	0.6	0.3	0.0
	Bude	do	adro	47	51	Trace	1	0.0
	Ilfracombe	—	—	—	—	—	—	—
	Aberystwyth	prepr	pre	45	49	3	2	0.0
	Llandudno	crc	drbc	44	49	1	4	0.0
	Colwyn Bay	ccro	opcbc	45	51	1	4	0.0
	Rhyl	cmor	onrc	43	51	0.3	4	0.0
4	Wallasey	cor	incbc	42	48	0.5	4	0.0
	Southport	omorr	rcbc	40	47	0.6	5	0.0
	Blackpool	omorf	dmbg	42	47	0.5	6	0.0
	Morecambe	—	—	—	—	—	—	—
	Ilkley	og	orc	37	48	3	2	0.0
	Harrogate	odrs	drab	38	48	1	0.3	0.0
	Berwick-on-T.	cs	beb	37	50	0.2	Trace	2.2
	Dunbar	crmo	begm	39	51	Trace	0.3	2.0
	Troon	rrora	cbcrs	47	48	3	3	1.2
	Douglas	cidm	cirbc	45	49	1	3	1.0
	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—

Max. Temp. for period 24h. yesterday to 17h. to-day: Min. Temp. 21h. to 9h.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h Friday, 30th December, 1938.



DISTRICTS. FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th December, 1938.

1 S.E. England	Fresh squally west to northwest winds, strong locally; bright periods; occasional showers of rain or hail, rather cold, ground frost locally at night.
2 E. England	
3 E. Midlands	
4 W. Midlands	
5 S.W. England	
6 South Wales	
7 North Wales	Fresh or strong squally northwest winds; bright periods; occasional showers of rain or hail with snow or sleet on high ground; rather cold, frost locally at night.
8 N.W. England	
9 N. Midlands	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. D.N.W. Scot- land.	Fresh or strong squally northwest to north winds, a gale locally; bright periods and showers of rain or hail with sleet or snow on high ground; rather cold, frost at night.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkney and Shetland	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 1 to 6.
20 S. W. Ireland	

H.M. Stationery Office Press, Kingsway, W.C.2.

6735/5598 Wt. 8096 D. 3769 Gp. 35240 12/38

BAROMETER. Isobars are drawn for intervals of two millibars. WIND, WEATHER SYMBOLS. For explanation see opposite page. SEA DISTURBANCE. Rough High. BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE.

Pressure is low off the coast of Norway and a depression will develop over in Skagerrak. There will be rather cold squally west or northwest winds, with showers of rain or hail but there will be considerable bright periods in most districts.

FURTHER OUTLOOK.

Similar.

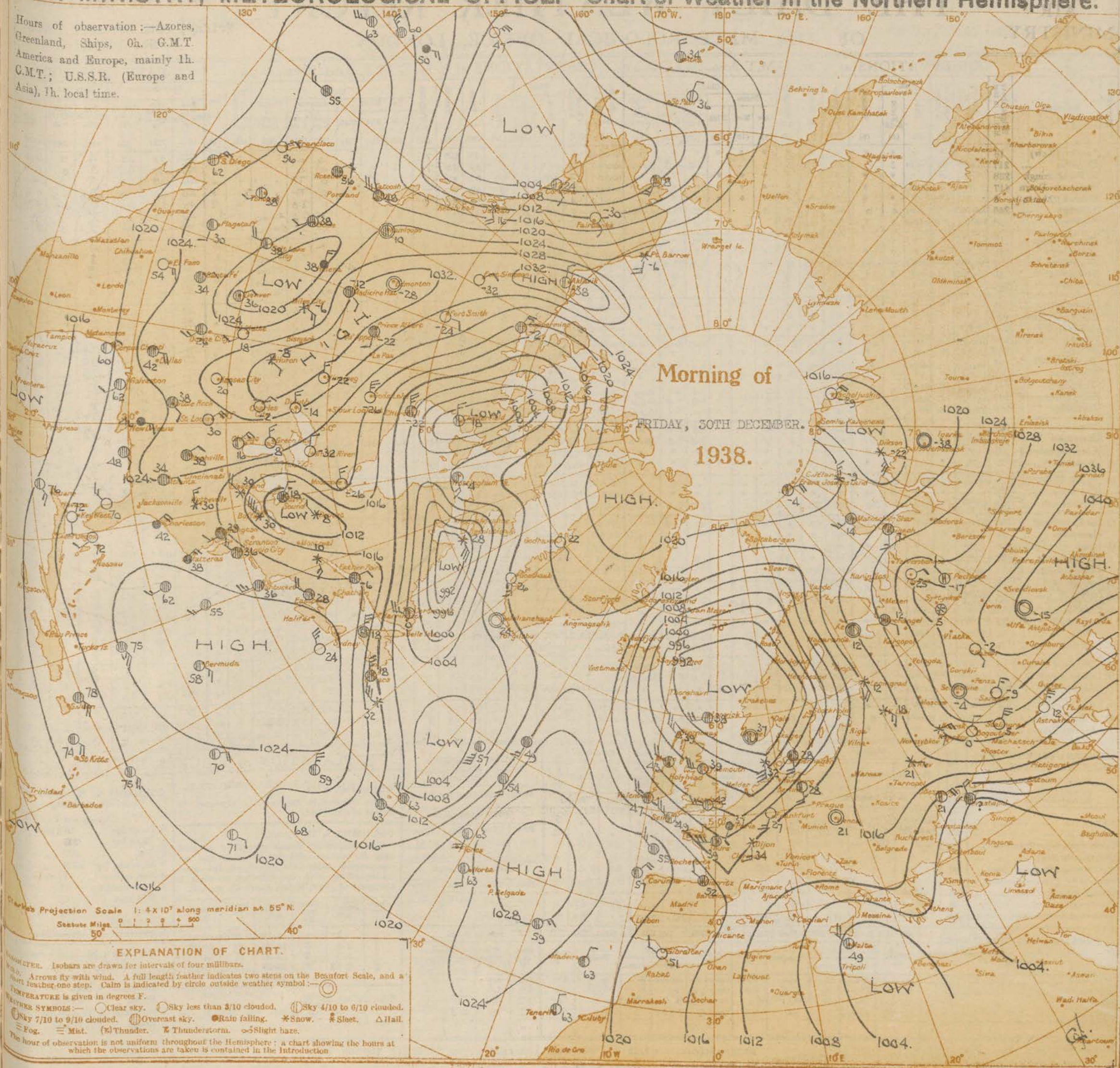
Time of Issue of Gale Warning.

North Cone hoisted at 0900 on 30/12/38 in district 16 (part of).

Forecasts issued at 1000 G.M.T. N. K. JOHNSON, M.Sc., A.R.C.S. Director.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



AIR
MINISTRY.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 30th December, 1938.

No. 28162.

OBSERVATIONS at 1 hr. G.M.T. 30th December															OBSERVATIONS at 7 hr. G.M.T. 30th December															PAST 24 HOURS.									
DISTRICT.	STATION.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. (6)	Humid. (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Weather. (19)	Temp. (20)	Humid. (21)	Visibility. (22)	Cloud.					State of Ground. (29)	Sea. (30)	TEMPERATURE.			RAINFALL.		SUN-SHINE (36)			
					Direc. (3)	Force (4)					Form. (9)	Amount. (10-11)		Height of Base. (feet) (14)	Direc. (17)			Force (18)	Form. (23)					Amount. (24-25)		Height of Base. (feet) (28)	Max. Day 7h-18h (31)	Min. Night 18h-7h (32)			Min. on Grass (33)	Day 7h-18h (34)	Night 18h-7h (35)						
												Low (12)	Total 0-10 (13)											Low (26)	Total 0-10 (27)														
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1003.0	-8	WSW	3	b	32	85	7	-	-	-	0	0	1	*	45	37	33	4	2	0.0					
	Croydon	217	1004.9	-4	W/N	3	z	42	92	6	5	-	-	4-6	1004.7	-6	WSW	4	b	37	85	7	-	-	0	0	1	*	46	37	33	3	3	0.0					
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1004.7	-6	WSW	3	bc	38	85	7	-	-	4	-	0	Tr	1	*	46	35	32	2	3	0.0				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1006.0	-8	W/N	3	b	38	92	7	-	-	4	-	0	Tr	1	*	48	35	29	0.6	0.5	0.0				
	Calshot (Stmnt.)	8	*	*	*	*	*	*	*	*	*	*	*	1007.4	-4	W/S	2	bc	39	85	8	-	-	3	-	0	2.3	1	2	49	38	30	0.3	0.5	0.0				
	Lympne	348	1004.8	-2	NW	4	b	41	85	7	5	-	-	Tr	1004.9	-6	W/N	4	bc	38	85	7	8	-	-	2.3	2.3	4	1	43	38	31	2	7	0.0				
	Manston	154	1003.1	-2	WNW	4	z	40	85	6	-	-	-	0	1002.8	-6	W	4	bc	37	85	7	5	3	-	2.3	2.3	4	1	43	33	33	2	6	0.0				
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1003.5	-6	W/S	2	b	37	92	6	-	-	4	-	0	Tr	1	*	44	38	31	4	3	0.0				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1002.0	-4	WSW	5	b	37	85	7	5	-	-	Tr	Tr	4	1	40	38	33	2.3	3	0.0					
	Gorleston	5	1002.2	-4	WNW	3	bc	37	92	6	2	-	-	2.3	1002.4	-10	W	3	bc	35	85	7	5	-	-	2.3	2.3	1	2	41	34	32	5	1	0.0				
	Mildenhall	19	1002.0	-6	W/S	3	z	38	97	6	-	-	-	6	1001.4	-6	SWW	3	b	35	85	7	5	-	-	Tr	Tr	1	*	42	35	31	0.3	0.0					
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1000.8	-12	W	2	z	35	92	6	5	-	-	7.8	7.8	1	*	47	35	31	4	Tr	0.0					
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1002.5	-8	WSW	3	bc	37	85	6	5	7	-	2.3	4.6	1	*	48	37	33	3	0.2	0.5					
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1004.2	-8	W/S	3	b	35	92	7	-	-	4	-	0	Tr	4	*	47	35	28	2	1	*				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1004.3	-10	W	4	b	40	75	8	5	-	-	1	1	1	1	52	40	35	0.1	Tr	0.2					
5	Hartland Point	299	1008.8	-2	NW	5	bc	47	75	8	5	-	-	4-6	1007.4	-8	NW	4	bc	45	75	8	5	3	-	4-6	4-6	1	3	49	44	42	0.4	0.6	0.0				
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1006.1	-8	WSW	3	bc	37	92	7	5	4	-	-	1	2.3	1	*	49	38	32	0.2	Tr	0.3				
	Portland Bill	32	1007.0	-2	NW	4	c	47	92	8	5	-	-	7.8	1006.7	-10	NW	4	c	45	92	8	5	2	-	4-6	7.8	1	3	50	44	*	0.5	0.1	*				
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1009.0	-4	W	3	bc	45	75	7	5	-	-	2	2.3	2.3	1	7	53	44	42	Tr	Tr	0.2				
	The Lizard	240	1010.9	-4	NW	5	c	47	92	7	5	-	-	10	1010.0	-8	WN	4	bc	48	92	8	8	-	-	4-6	4-6	1	1	51	44	*	Tr	Tr	1.1				
	Scilly (St. Mary's)	163	1011.0	-6	NW	5	c	49	85	8	5	7	-	4-6	1010.9	-8	NW	4	c	48	92	8	5	-	-	10	10	1	3	51	42	*	Tr	Tr	0.0				
	Guernsey	175	1008.0	-10	WNW	4	o/r	49	92	6	5	-	-	10	1008.9	-2	WNW	3	c/r	48	85	7	8	-	-	9	9	1	3	50	45	43	0.1	3	0.7				
6	Pembroke	142	1008.4	-2	NW	5	bc	48	92	7	8	-	-	2.3	1007.0	-6	WNW	5	bc	45	97	8	8	-	-	4-6	4-6	1	3	51	44	*	0.3	Tr	0.2				
7	Holyhead	26	1005.1	-10	NW	6	bc	46	75	8	2	-	-	2.3	1002.4	-10	WNW	7	bc	43	75	8	1	-	-	2.3	2.3	1	3	51	42	41	3	0.5	0.0				
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1002.0	-20	W/S	4	pr	42	75	7	8	-	-	4-6	4-6	1	*	51	41	37	3	0.2	0.0					
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1001.1	-10	W/N	4	c/pr	40	85	7	8	3	-	7.8	9	1	*	49	37	30	7	3	0.0					
10	Spurn Head	29	1000.1	-8	W/N	5	b	39	85	6	-	-	-	0	998.0	-6	W/N	3	bc	37	85	7	-	-	4	-	0	4-6	-	1	2	44	37	*	3	Tr	0.0		
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	998.0	-8	W/N	3	bc	37	85	8	5	-	-	2.3	2.3	1	2	50	38	28	0.1	-	0.3					
	Tynemouth	108	997.7	-24	W	5	bc	39	85	7	2	-	-	2.3	997.2	0	W	4	bc	37	85	7	8	-	-	2.3	2.3	1	2	52	37	33	0.4	-	0.7				
11	St Abbs Head	280	995.1	-10	W	6	bc	40	75	8	-	-	-	0	995.3	0	W	6	cq	39	75	8	4	6	9	2.3	7.8	0	4	51	38	*	Tr	-	*				
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	995.9	-2	WNW	4	b	38	85	8	4	-	-	Tr	Tr	1	3	50	33	25	Tr	-	27					
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	999.7	0	W/S	2	b	38	85	8	-	-	4	8	0	1	1	*	50	34	29	5	0.4	1.5				
	Esksdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	997.0	-10	NW	4	b	35	85	8	5	-	-	1	1	15	15	1	*	47	35	31	8	-	1.6			
	Point of Ayre	30	1002.2	-10	WNW	6	b	42	85	8	4	-	-	Tr	1002.9	-10	NW	6	bc	42	85	8	8	-	-	4-6	4-6	0	3	49	41	*	2	-	0.6				
13	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	999.8	+2	NW	4	bc	41	85	8	8	-	-	4-6	4-6	0	*	50	39	30	2	1	0.8					
13a	Stormoway	80	998.2	0	NW	5	phr	39	75	7	8	-	-	7.8	998.4	+2	NNW	3	bc	38	75	7	8	-	-	4-6	4-6	0	2	48	38	30	3	1	1.8				
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	998.3	+9	W	3	c	34	85	7	4	4	-	4-6	9	25	4	*	46	32	27	7	1	0.5				
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	994.4	-4	WNW	3	b	38	75	7	8	-	-	Tr	Tr	4	1	48	35	33	2	1	2.0					
	Wick	81	992.0	+14	NW	4	bc	39	75	7	5	7	-	2.3	992.3	-2	W	3	bc	35	97	7	9	7	-	4-6	4-6	1	1	47	35	*	2	2	*				
16	Lerwick	156	988.5	+14	W	4	c/r	38	92	8	8	7	-	4-6	988.0	+2	NNW	4	c/pr	38	85	8	8	7	-	4-6	7.8	1	*	49	31	*	5	5	0.3				
17	Blacksod Point	18	1008.2	-10	WNW	5	bc	44	75	8	3	-	-	4-6	1006.0	-6	WNW	5	bc	43	75	8	3	-	-	4-6	4-6	1	3	50	41	*	1	0.3	*				
18	Malin Head	84	1001.0	-22	W/N	4	c/pr	43	85	7	9	-	-	7.8	1002.0	-4	W/N	5	c/pr	43	75	8	9	-	-	4-6	7.8	1	4	48	39	*							

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7h Saturday, 31st December. 1938.

High 1006

Low 1004

Laconia

Barometer rising

Barometer falling

Scale 1:10,000,000

Statute Miles

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. ~~~~ Rough ~~~~ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

GENERAL INFERENCE

A low pressure trough over Iceland will move south and a feeble disturbance west of Ireland will move southeast. There will be occasional rain, sleet or snow in many districts.

FURTHER OUTLOOK.

None issued.

AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation:—Azores, Greenland, Ships, Oh. G.M.T. America and Europe, mainly 1h G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.

Morning of

SATURDAY, 31ST DECEMBER,

1938.

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol.
TEMPERATURE is given in degrees F.
WEATHER SYMBOLS: ☉ Clear sky. ☁ Sky less than 3/10 clouded. ☂ Sky 4/10 to 6/10 clouded. ☃ Sky 7/10 to 9/10 clouded. ☄ Overcast sky. ☔ Rain falling. ❄ Snow. ❄ Sleet. ⚡ Hail.
FOR. ☁ Mist. (☁) Thunder. ☁ Thunderstorm. ☁ Slight haze.
 The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR
MINISTRY.

THE DAILY WEATHER REPORT

BRITISH SECTION

OF THE METEOROLOGICAL OFFICE, LONDON.

Saturday, 31st December, 192
No. 28163.

OBSERVATIONS at 1 hr. G.M.T. 31st December

OBSERVATIONS at 7 hr. G.M.T. 31st December

PAST 24 HOURS

District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Visibility. 0-9	Cloud.					State of Ground.	Sea.	TEMPERATURE.			RAINFALL.					
					Direc.	Force 0-12					Form.	Amount.			Height of Base. (feet)			Direc.	Force 0-12					Form.	Amount.			Height of Base. (feet)			Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.				
												Low	Med.	High											Low 0-10	Total 0-10	Low									Med.	High	Low 0-10	Total 0-10
(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)																			
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	*	1004.4	-2	WS	3	id.	36	85	6	5	-	-	10	10	1500	1	*	43	33	29	Tr	Tr					
	Croydon	217	1005.2	-2	WSW	4	b	36	85	7	-	-	0	0	-	1004.5	-2	WSW	4	bc	36	85	8	5	-	-	4-6	4-6	5700	1	*	44	35	32	0.1	Tr			
	S. Farnborough	228	*	*	*	*	*	*	*	*	*	*	*	1004.3	-2	WS	3	c	35	92	7	5	3	-	-	4-6	7-8	2500	1	*	44	33	28	-	Tr				
	Boscombe Down	417	*	*	*	*	*	*	*	*	*	*	*	1005.3	+2	WN	4	bc	35	92	7	5	3	-	-	2-3	2-3	2500	1	*	44	33	28	Tr	-				
	Calshot (Stmntn.)	8	*	*	*	*	*	*	*	*	*	*	*	1006.3	0	W	4	bc	38	85	8	5	7	-	-	Tr	2-3	2500	1	2	45	34	32	-	6				
	Lympe	346	1005.8	-2	WSW	2	b	32	85	7	-	-	0	0	-	1005.3	-6	WS	3	bc	33	85	8	5	4	-	2-3	2-3	4000	3	2	45	30	25	-	5			
	Manston	154	1003.6	-6	WSW	3	z.	33	85	6	-	4	-	0	Tr	-	1002.3	-6	WSW	3	c	35	85	8	5	1	-	7-8	7-8	1500	4	*	43	32	29	-	4		
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	1003.4	-6	WS	4	ir.	36	85	7	6	7	-	-	2-3	10	1500	1	*	43	35	28	-	0.2				
	Felixstowe	15	*	*	*	*	*	*	*	*	*	*	*	1002.0	-4	SW	4	bc	34	92	6	5	-	-	-	4-6	4-6	1500	1	3	41	33	32	Tr	1				
	Corleston	5	1001.5	-4	WSW	2	c	32	92	6	5	-	-	10	10	2500	1000.8	0	W	3	bc	35	85	7	5	-	-	4-6	4-6	2500	3	2	40	32	30	-	1		
	Mildenhall	19	1001.7	-6	WSW	4	bc	35	85	7	5	3	-	4-6	4-6	4000	1001.6	0	WSW	4	bc	33	92	7	5	-	-	2-3	2-3	4000	1	*	41	33	30	Tr	1		
	Cranwell	240	*	*	*	*	*	*	*	*	*	*	*	1001.2	+4	W	3	z.	32	97	6	5	-	-	-	Tr	Tr	2500	1	*	40	32	30	Tr	-				
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	1003.7	0	WSW	2	b	32	97	7	-	-	-	0	0	-	-	-	7	*	41	32	28	0.2	5			
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	*	1004.6	+6	WSW	3	bc	33	97	7	5	3	-	-	4-6	4-6	1500	7	*	42	32	28	0.1	2				
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	1004.8	+6	NE	1	b	34	92	8	5	-	-	-	1	1	2500	1	*	44	34	29	Tr	2				
5	Hartland Point	299	1007.4	-10	WNW	5	phr	44	75	8	3	-	-	7-8	7-8	2500	1006.9	-4	NW	5	bc	44	75	8	3	-	-	2-3	2-3	2500	1	4	46	40	38	0.5	0.6		
	Bristol	209	*	*	*	*	*	*	*	*	*	*	*	1005.6	0	W	4	bc	37	85	7	5	4	-	-	2-3	2-3	1500	1	4	44	36	32	-	5				
	Portland Bill	32	1007.3	-4	NW	4	b	43	92	8	-	-	0	0	-	1007.1	-4	NW	5	c	43	92	8	5	-	-	7-8	7-8	2500	1	3	49	40	*	-				
	Plymouth	82	*	*	*	*	*	*	*	*	*	*	*	1007.8	-4	WN	3	b	42	75	7	5	-	-	-	2-3	2-3	1500	1	1	47	41	35	0.3	2.6				
	The Lizard	240	1010.3	-12	WN	5	bc	45	75	8	8	-	-	2-3	2-3	2500	1009.4	-4	WN	5	bc	46	82	8	8	-	-	4-6	4-6	2500	1	3	47	42	*	0.2			
	Silly (St. Mary's)	163	1011.1	-8	NW	5	c	45	75	8	8	-	-	7-8	7-8	2500	1009.0	-16	WN	5	c	47	92	8	8	7	-	4-6	7-8	1500	1	3	48	42	*	0.5			
	Guernsey	175	1009.6	0	WNW	5	pr	45	75	7	8	-	-	4-6	4-6	2500	1008.8	-4	W	5	bc	45	75	8	1	3	-	2-3	4-6	2500	1	4	51	41	38	1	0.1		
6	Pembroke	142	1007.1	-6	WNW	5	g	44	85	7	8	6	-	4-6	4-6	2500	1006.2	0	WNW	5	bc	44	97	7	8	-	-	4-6	4-6	2500	1	3	46	42	*	Tr			
7	Holyhead	26	1002.3	-10	NW	6	pr	41	75	7	9	-	-	9+	9+	2500	1002.5	0	NW	5	bc	42	85	8	2	-	-	4-6	4-6	1500	1	3	44	39	37	Tr	1		
	Chester (Sealand)	16	*	*	*	*	*	*	*	*	*	*	*	1002.4	+2	WSW	3	bc	38	85	7	2	-	-	-	2-3	2-3	2500	1	*	42	35	32	3	4				
8	Manchester	70	*	*	*	*	*	*	*	*	*	*	*	1001.7	+2	WSW	2	bc	33	92	7	8	3	-	-	2-3	4-6	2500	5	*	43	32	25	1	0.6				
10	Spurn Head	29	998.1	-6	WN	5	c/pr	37	92	6	5	8	-	4-6	7-8	2500	997.8	-2	WNW	6	bc	35	85	7	-	4	-	0	2-3	-	0	4	40	35	*	Tr			
	Catterick	175	*	*	*	*	*	*	*	*	*	*	*	999.6	+4	WNW	3	b	33	85	8	5	-	-	-	1	1	2500	3	*	42	33	27	-	0.3				
	Tynemouth	108	995.8	-6	W	4	bc	35	75	8	8	-	-	2-3	2-3	2500	998.5	+8	W	3	bc	32	85	7	2	-	-	2-3	2-3	2500	3	2	40	31	28	-	0.4		
11	St. Abbs Head	280	993.3	0	W	6	g	34	85	8	8	6	-	2-3	4-6	2500	996.6	+20	WNW	5	b	34	65	8	4	-	-	1	1	2500	0	3	42	33	*	-			
	Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	998.2	+12	WSW	1	b	29	75	7	4	-	-	-	Tr	Tr	4000	3	*	40	26	17	-	*				
12	Renfrew (Abbots L.)	19	*	*	*	*	*	*	*	*	*	*	*	1000.6	+6	WSW	1	b	29	92	8	1	-	-	-	Tr	Tr	4000	4	*	41	29	22	Tr	1				
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	1000.2	+10	S	1	b	27	85	8	5	-	-	-	Tr	Tr	1500	8	*	38	26	18	-	1				
	Point of Ayre	30	999.9	-8	NW	6	bc	39	85	7	8	6	8	4-6	4-6	1500	1001.2	+8	NW	5	c	39	85	8	9	-	-	7-8	7-8	1500	1	3	43	34	*	3			
13	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	999.5	+4	WNW	2	c	37	85	7	8	-	-	-	7-8	7-8	1500	4	*	42	33	32	2	1				
13	Stornoway	80	996.7	+2	W	4	ps	34	85	7	8	-	-	7-8	7-8	2500	996.6	0	WSW	3	bc	34	85	7	8	-	-	2-3	2-3	2500	7	2	39	32	*	2			
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	999.0	+10	W	4	b	27	92	8	4	4	-	-	-	1	1	4000	7	*	34	21	18	0.1	7			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	996.6	+12	SW	1	b	30	75	7	3	-	-	-	Tr	Tr	2500	4	1	38	30	21	Tr	Tr				
	Wick	81	992.6	-6	W	3	c	28	97	7	8	7	-	4-6	7-8	1500	994.1	+4	W	4	c/ps	32	97	7	5	2	-	7-8	9+	1500	9	2	38	27	*	3			
16	Lerwick	156	988.7	0	NNW	3	bc	32	97	8	8	7	-	4-6	4-6	1500	990.8	+8	SSW	4	ps	37	85	7	8	7	-	4-6	7-8	1500	8	*	38	31	*	4			
17	Blackrod Point	18	1005.1	-6	WNW	4	c	42	85	8	9	-	-	7-8	7-8	1500																							