

THE DAILY WEATHER REPORT

BRITISH SECTION

1st January to March 31st

1940



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. G.M.T.

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 :—

(a) Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.

(b) Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.

(c) Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).

(d) 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	Calm; 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	64-75
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.

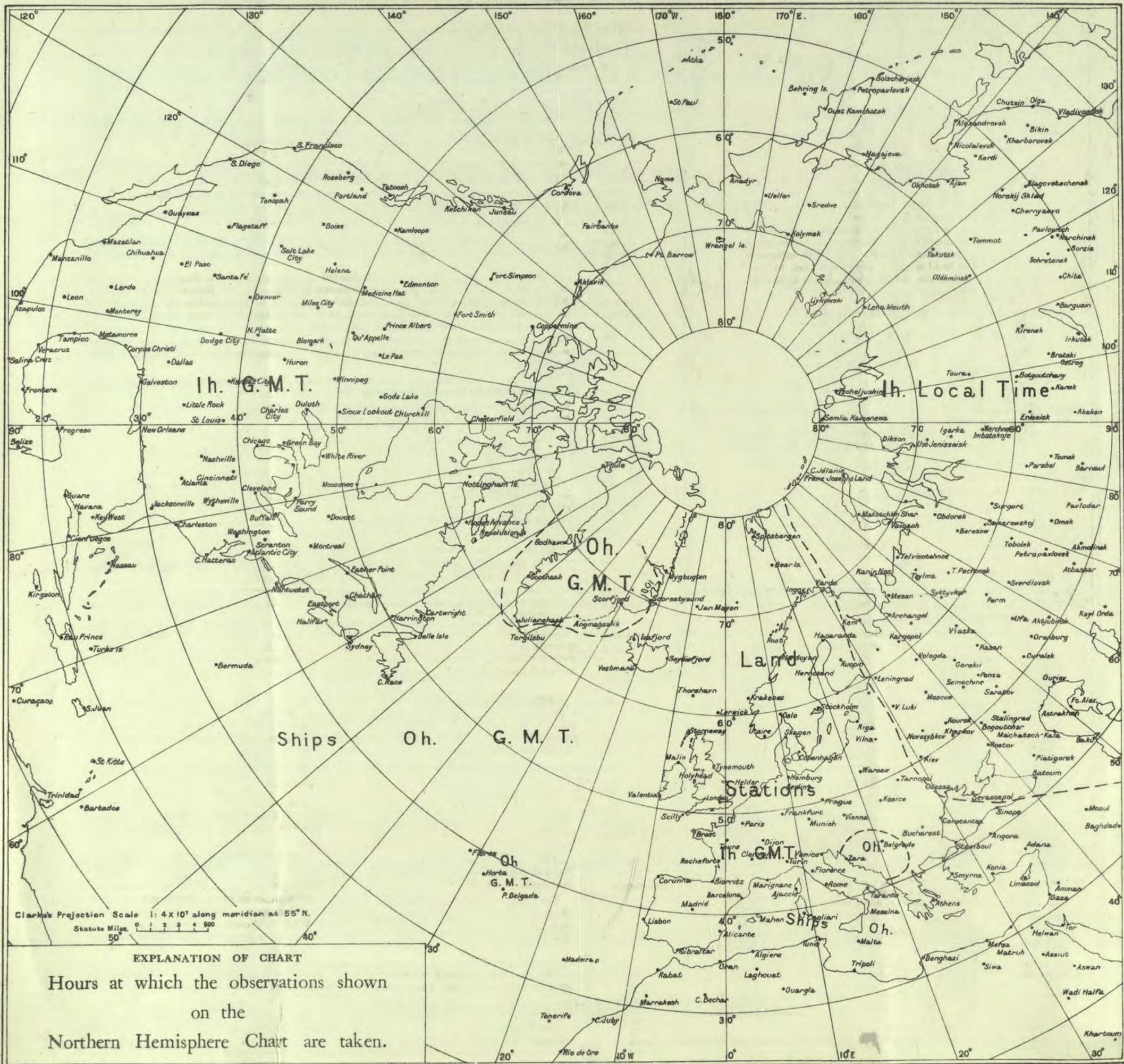
For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

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.



EXPLANATION OF CHART

Hours at which the observations shown
on the
Northern Hemisphere Chart are taken.

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND



FORECAST DISTRICTS and the Counties comprised within them

1. England, S.E. Kent. Sussex. Surrey. Hampshire. Berkshire. Wiltshire.	6. Wales, S. Glamorgan. Brecknock. Carmarthen. Pembroke. Cardigan. Radnor.	12. Scotland, S.W., and Isle of Man. Isle of Man. Dumfries. Kirkcudbright. Wigtown. Ayr. Lanark. Renfrew. Dumbarton. Stirling.	16. Orkneys and Shetlands.
2. England, E. Essex. Middlesex. Hertford. Bedford. Huntingdon. Cambridge. Suffolk. Norfolk. Lincoln.	7. Wales, N. Montgomery. Merioneth. Flint. Denbigh. Carmarvon. Anglesey.	13A. Scotland, W. Argyll. Bute.	17. Ireland, N.W. Galway. Roscommon. Mayo. Sligo. Leitrim.
3. Midlands, E. Buckingham. Oxford. Northampton. Warwick. Leicester. Rutland. Nottingham.	8. England, N.W. Cheshire. Lancashire. Westmorland. Cumberland.	13B. Scotland, N.W. Hebrides. Western parts of Inverness, Ross and Cromarty, Sutherland. (Boundary line runs from Rannoch Station through Fort Augustus, Beaulieu and Lairg to Melvich.)	18. Ireland, N.E. Meath. West Meath. Longford. Cavan. Fermanagh. Monaghan. Louth. Armagh. Down. Antrim. Londonderry. Tyrone. Donegal.
4. Midlands, W. Gloucester. Hereford. Worcester. Shropshire. Stafford.	9. Midlands, N. Derby. Yorkshire, W.	14. Mid Scotland. Perth.	19. Ireland, S.E. Waterford. Wexford. Kilkenny. Carlow. Wicklow. Offaly. Leix. Kildare. Dublin.
5. England, S.W. Dorset. Somerset. Monmouth. Devon. Cornwall.	10. England, N.E. Yorkshire, N. & E. Durham. Northumberland.	15. Scotland, N.E. Kincardine. Aberdeen. Banff. Elgin. Nairn. Caithness. Eastern parts of Inverness, Ross, Sutherland.	20. Ireland, S.W. Cork. Kerry. Limerick. Tipperary. Clare.

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

Standard of Time.—Greenwich Mean Time is exclusively used throughout the Report.

Stations.—*Kew.*—Temperature readings at Kew are taken in a large louvred screen placed against the north wall of the observatory. The thermometer bulbs are at a height of 10 feet above the ground immediately surrounding the building. This ground is raised a few feet above the general level of the Old Deer Park in which the observatory stands.

London Observations.—As from 1st January, 1934, the rainfall measurements at all the London stations where rain gauges are maintained, refer to two periods, day and night. The day period at Kew and Croydon is 7h. to 18h. G.M.T.; at all other stations it is 9h. to 18h. G.M.T.

Valentia.—The observations at 1h. G.M.T. are taken at the Post Office Wireless Station on Valentia Island, those at all other hours at the Observatory near Cahirciveen on the mainland.

Point of Ayre.—The first observations are made at 0030 G.M.T. instead of at 0100 G.M.T.

Heights of Stations.—The heights of British Stations above M.S.L. refer to the plot of ground on which the rain gauge is situated.

Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on page 2 of the Report and for intervals of 4 millibars on Page 3.

The wind at a height of 1,500–2,000 feet above ground usually blows along the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, e.g., for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperature of 50° F. and a pressure of 1,015 mb; if, however, the isobars are ½ inch apart the corresponding speed is 24 m.p.h.

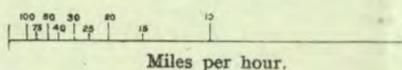
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

If the distance between consecutive isobars is measured along the scale from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

GEOSTROPHIC WIND SCALE FOR

8 mb isobars on 1 : 4 × 10⁷ Charts.

or 2 mb " " 1 : 10⁷



This scale applies under the following conditions:—

Pressure, 1,015 mb. Temperature, 50° F. Latitude, 55°.

Corrections.—For an increase of 10 mb pressure, subtract 1% from velocity; for an increase of 10° F. add 2%. From Latitude 55° to Latitude 65° subtract 1% for each degree above 55°. From Latitude 55° to Latitude 45° add 1½% for each degree below 55°.

Temperature.—Temperature is specified in degrees Fahrenheit, and is shown on the charts by means of figures written alongside the positions of the stations.

Relative Humidity.—Relative Humidity at British stations is calculated from the following hygrometric formulæ:—

$$\text{Relative humidity} = \frac{100x}{F}$$

$$x = f - .444 (t - t')$$

$$x = f - .400 (t - t')$$

where x is the vapour pressure in mb.

F the saturation vapour pressure at the temperature of the dry bulb;

For air temperatures below 32° F. the value of F used is that appropriate to an ice surface.

f the saturation vapour pressure at the temperature of the wet bulb;

For wet bulb temperatures below 32° F. the value of f used is that appropriate to an ice surface.

t the dry bulb temperature; and

t' the wet bulb temperature.

The entries in columns 7 and 21 are limited to 10, 25, 35, etc., to 85, 92 and 97. Entry 10 indicates that relative humidity is between 0 and 19; 25, between 20 and 29; and so on; 92, between 90 and 94; 97 between 95 and 100.

Wind.—All wind directions specified in the reports are "true," as distinguished from "magnetic." The arrows indicating wind direction are drawn to fly with the wind. Each feather denotes two steps on the Beaufort Scale; thus force 5 is indicated by two whole feathers and one half feather.

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

The entries in the British Section of the Report for the stations in the main tables on pages 1 and 4 are compared with those in the returns received from the stations at the end of the month and errors in the Report so found are noted.

N.B.—Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read "The Weather Map: An Introduction to Modern Meteorology," (2nd Edition, 1930), to be purchased from H.M. Stationery Office, York House, Kingsway, W.C.2, price 3s. 2d. post free. (Reprinted 1938.)

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



THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Duplicate
MONTHLY SUPPLEMENT,
JANUARY, 1940 No. 277 ...

Page 1.

Very cold generally with severe frost. Heavy snowfall at close of month.

The general characteristics of January were a preponderance of cold conditions with very low temperatures during the second half of the month. Screen Minimum values were the lowest in general since 1917. Over a considerable part of England it was almost certainly the coldest January since 1881. At Kew the mean temperature of 31.6° was roughly the same as in January 1881, while at Ross the 1881 figure was the lowest. At Aberdeen it was the coldest January since 1895.

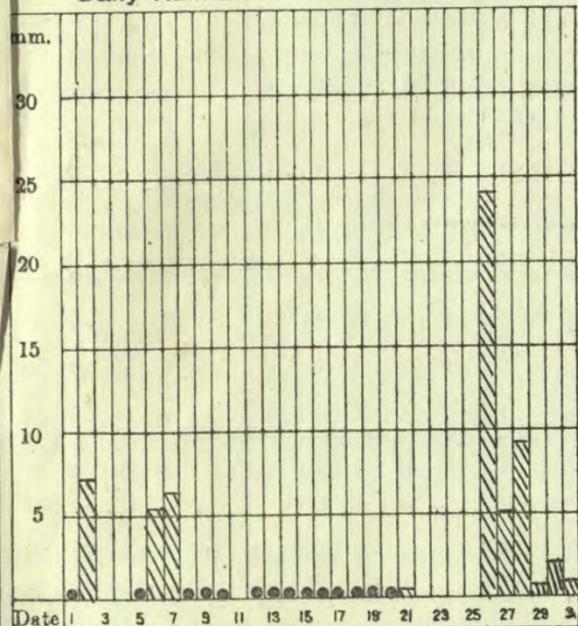
The early part of the month was cold and mainly dry except in Scotland where milder conditions prevailed. From the 5th unsettled conditions spread across the country with fog and rain generally.

With the extension of the European high pressure system to the British Isles on the 9th, a period of mainly fair weather ensued with good sunshine values over a large area of England. A new high record of sunshine was established at Lympne, 91 hours being recorded. On the 16th pressure had become very high over Greenland and a disturbance moving southward over the North Sea gave northerly gales in Scotland and N.E. coasts of England. Snow was widely experienced and was heavy in East Kent with deep drifts and temperatures fell generally,

screen minima falling to below 20°F. in many districts. A new disturbance had moved to N. Scotland by the 18th and another had formed off the S.W. coasts on 19th and southerly gales were reported with much snow locally. A ridge of high pressure from a large anticyclone over Scandinavia moved across the country during 20th and 21st and intensely cold air spread over England, resulting in the lowest screen temperatures since 1917. Minima on night of 20th - 21st fell to -2°F. at Ross and 0°F. at Linton and 1°F. at Manchester and for several days the screen maxima did not exceed 32°F. at many places.

From 22nd, conditions became gradually milder although freezing conditions were maintained in the Eastern half of the country. On 25th, the northeasterly movement of a depression from West of Ireland gave rise to rain, drizzle and snow and an associated trough on 26th resulted in very heavy falls of snow over the whole of the country causing severe dislocation of rail and road traffic. During remainder of month weather remained dull and very cold except in the extreme southwest. Glazed frost occurred rather widely.

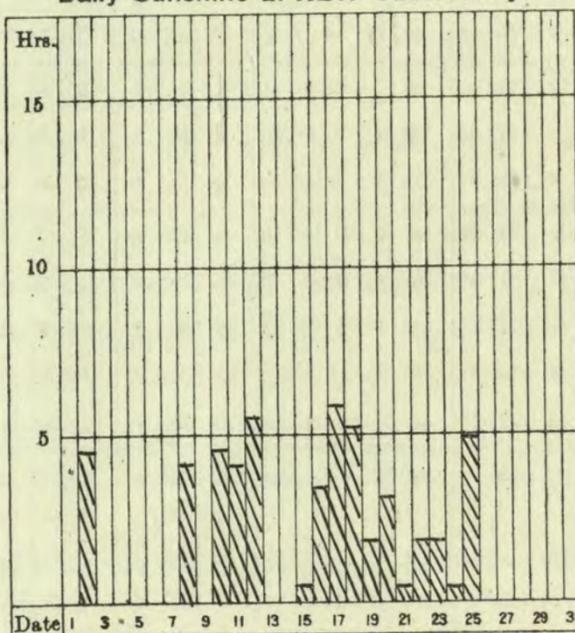
Daily Rainfall at KEW Observatory.



• = Less than 0.5 mm.

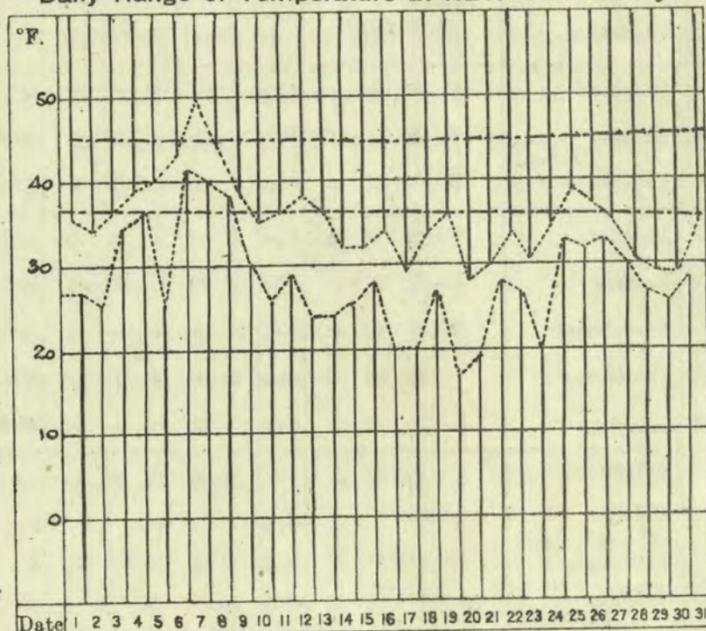
RAINFALL. Total for Month. 63 mm.

Daily Sunshine at KEW Observatory



SUNSHINE. Total for Month. 52 hrs.

Daily Range of Temperature at KEW Observatory.



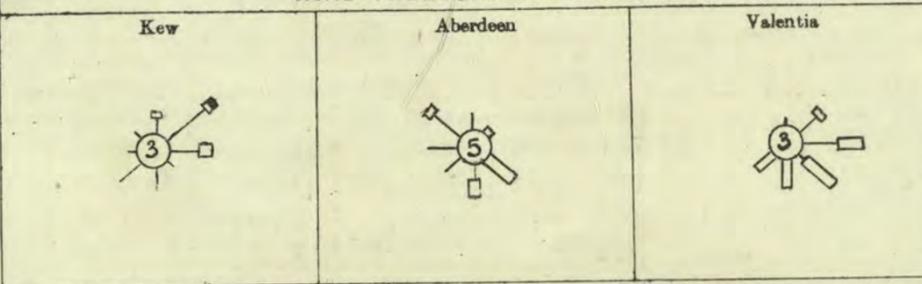
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb. 1019.5	mb. +1.9	°F. 31.6	°F. -9.7
Aberdeen	1013.9	+8.7	32.5	-7.0
Valentia	1014.3	-0.7	42.7	-3.0

*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.



Forces 1-3 — ; forces 4-7 - - - ; force 8 or above ——— . Scale; 10mm. to 10 observations.
The figure in the centre of the circle gives the number of calms.

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

	miles.
Kew ...	6,654
Aberdeen ...	5,685
Lerwick ...	13,789
Valentia ...	10,008

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 Maximum.	Minimum.					Average Minimum.	Days.		Number of Ground Frosts.	7 h.		13 h.		18 h.		7 h.			13 h.														
		32° or below	33°-41°	42°-50°	51°-59°	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.	Good Visibility.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.				
1	London (Kew Obsy). Croydon Calshot** (Southampton) Lympne	9 8 4 12	19 19 19 16	3 4 8 3	0 0 0 0	45.2 44.9 46.1 43.4	5 12 4 2	19 15 20 20	6 2 6 2	1 2 1 1	0 0 0 0	37.5 37.1 38.4 35.9	50 50 50 46	7 7 7 7	29 27 28 25	30 20 20 20	42 43 43 44	7 8 7 8	17 10 17 13	20 20 21 20	24 26 20 27	2 7 9 7	20 12 8 12	0 5 7 16	13 15 10 8	5 7 7 9	13 10 8 8	1 0 1 0	0 1 0 0	4 3 4 2	1 9 9 6	1 0 1 2	0 0 0 0	5 3 4 2	3 4 3 0	5 4 3 2	0 0 0 0			
2	Shoeburyness... Gorleston... Cranwell...	8 7 14	21 22 16	2 2 1	0 0 0	45.2 44.3 43.3	7 4 14	19 17 15	4 10 2	1 0 0	0 0 0	35.4 36.8 34.7	49 42 44	7 7 8	28 28 27	17 18 20	42 39 34	8 8 25	18 16 12	17 18 21	28 19 28	7 1 9	13 22 14	1 2 10	3 21 8	0 2 10	11 18 11	5 2 10	11 18 11	0 0 1	0 1 2	4 4 9	2 13 1	8 13 1	0 0 0	1 3 2	1 4 3	6 4 4	11 13 4	
3	Birmingham (Edgbaston)	12	16	3	0	43.2	7	19	5	0	0	36.0	48	7	24	20	38	8	11	21	25	6	13	0	8	10	0	6	12	0	0	1	9	8	1	0	2	5	13	1
4	Ross-on-Wye...	10	17	3	1	45.5	13	11	6	1	0	37.2	53	7	22	21	42	7	-2	21	25	13	11	0	7	11	0	11	9	0	0	0	6	6	7	0	0	6	5	6
5	The Lizard...	1	8	20	2	*	1	6	14	10	0	*	52	7	31	17	49	7	23	17	*	7	24	0	7	24	0	6	24	0	0	0	5	2	18	0	1	6	2	20
7	Holyhead...	0	15	16	0	46.4	1	11	17	2	0	41.6	50	7	33	30	46	7	22	21	16	6	15	0	3	16	0	8	16	0	0	0	1	0	19	0	0	0	1	19
8	Chester (Sealand)	7	20	4	0	46.0	9	16	6	0	0	36.9	48	7	28	20	39	9	9	21	24	5	15	0	6	12	2	6	15	0	0	0	7	12	0	0	0	4	7	2
10	Tynemouth...	3	26	2	0	44.1	3	16	12	0	0	37.3	44	8	26	17	39	8	16	21	24	0	31	0	0	31	0	0	31	0	0	1	1	4	0	0	8	3	4	
11	Leuchars...	8	21	2	0	43.4	8	17	6	0	0	34.4	45	8	27	21	36	8	15	21	26	0	22	0	5	17	1	4	14	0	0	1	2	14	0	0	0	4	11	
12	Renfrew... Eskdalemuir...	11 12	18 17	2 2	0 0	43.6 40.7	11 15	15 12	5 4	0 0	0 0	35.3 32.4	43 45	15 8	12 25	22 21	36 36	7 8	0 3	22 23	23 28	10 15	18 5	0 0	10 17	16 8	0 0	8 13	17 7	0 0	1 0	12 12	1 4	3 12	1 0	3 0	14 2	5 15	2 15	
13	Stornoway	1	15	15	0	44.6	0	10	14	7	0	37.8	49	7	32	21	46	11	24	17	*	0	31	0	1	30	0	0	31	0	0	0	0	27	0	0	0	0	20	
15	Aberdeen	6	20	5	0	43.1	9	12	10	0	0	35.8	47	14	25	21	41	8	14	17	24	2	23	1	3	22	1	3	19	1	0	0	3	3	3	0	0	3	3	4
18	Aldergrove...	3	17	11	0	*	5	10	15	1	0	*	50	7	29	19	45	7	18	22	21	16	12	0	11	12	1	9	14	1	0	4	2	0	9	0	2	4	0	7
19	Dublin (Phoenix Park) Birr Castle...	3	14	11	3	46.9 46.4	9	6	11	5	0	37.4	55	28	25	14	48	28	13	15	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
20	Valentia (Cabirciveen)	0	7	13	11	48.0	2	7	7	13	2	42.3	54	27	34	17	51	28	22	22	11	5	23	1	7	20	1	7	18	1	0	0	0	0	24	0	0	0	1	24

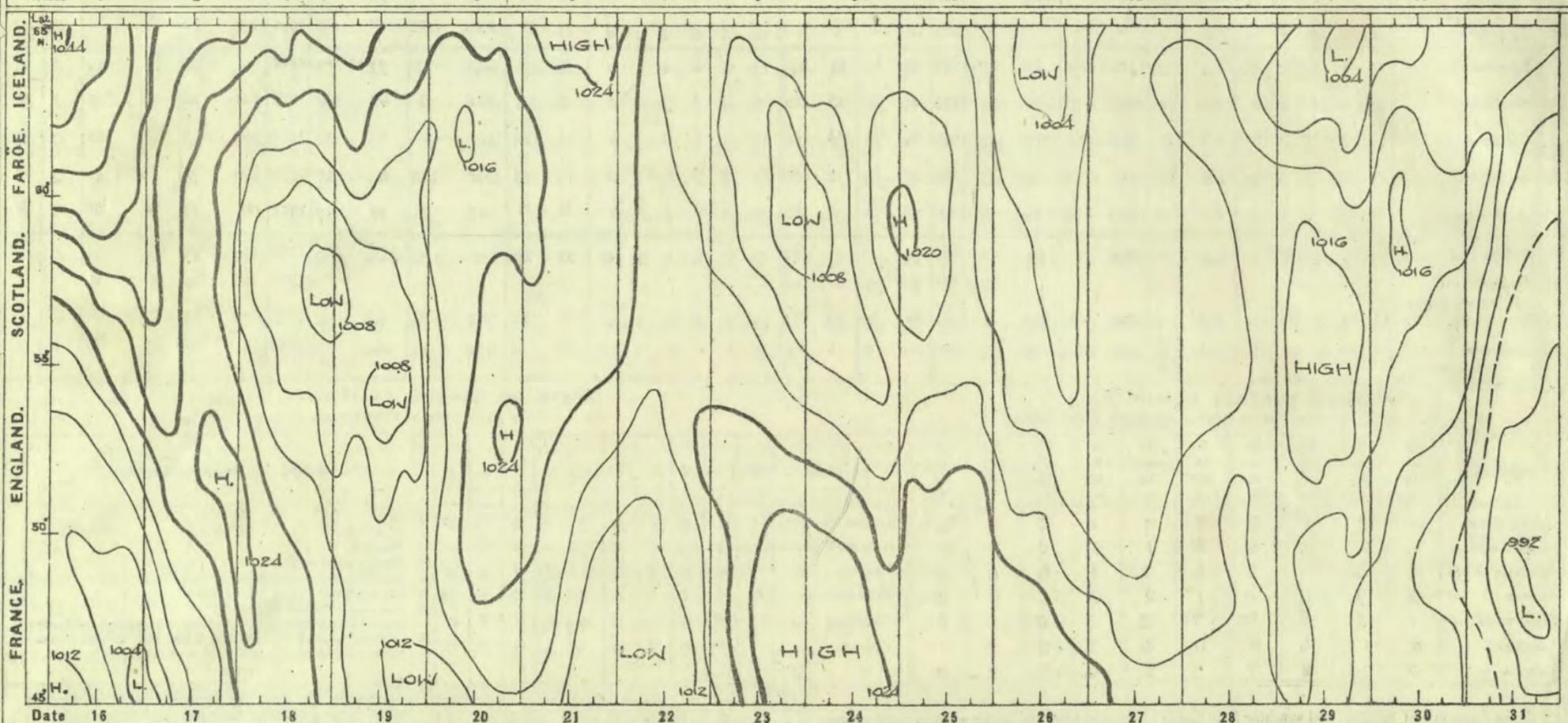
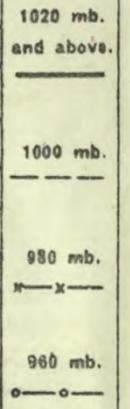
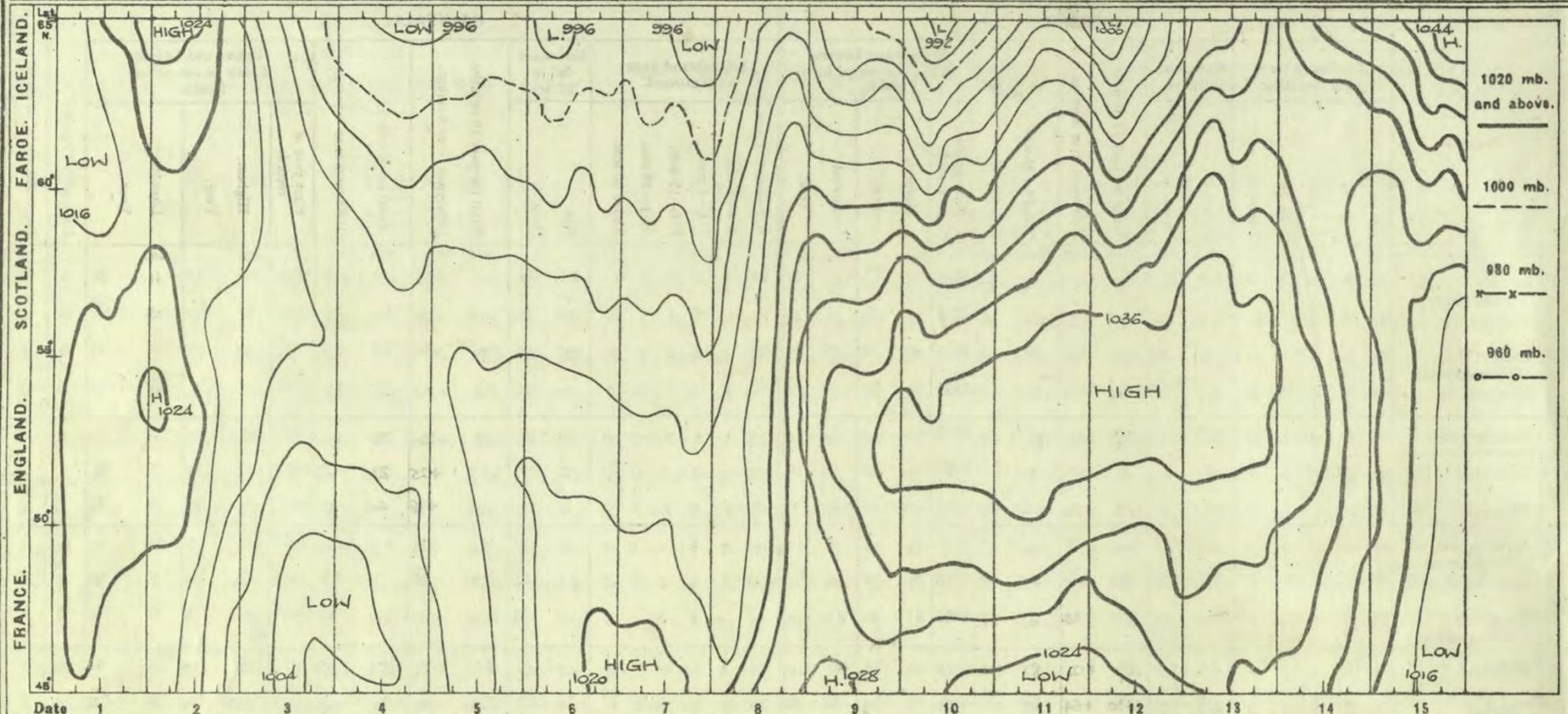
UPPER AIR TEMPERATURE.										UPPER WINDS.																								
Pressure.	Normal Height.	MILDENHALL.				ALDERGROVE.				STATION	LYMPNE.					PLYMOUTH (Mt. Batten).					HOLYHEAD.					RENFREW.					STATION			
		Normal Temp.	Mean.	No. of Reports.	°F.	Mean.	No. of Reports.	Mean.	No. of Reports.		Height.	No. of Obs.	kilometres per hour.				No. of Obs.	kilometres per hour.				No. of Obs.	kilometres per hour.				No. of Obs.	kilometres per hour.				Height.		
													5 to 25	26 to 50	51 to 75	76 to 100		Above 100	5 to 25	26 to 50	51 to 75		76 to 100	Above 100	5 to 25	26 to 50		51 to 75	76 to 100	Above 100			5 to 25	26 to 50
950	1,800	38.3	31.7	62	35.1	62			500 above ground.	62	14	35	13	0	0	66	13	34	19	0	0	27	15	10	1	0	0	51	16	20	6	1	0	500 above ground.
850	4,690	30.7	30.4	62	30.3	62			1000 above M.S.L.	49	13	25	11	0	0	50	9	22	15	3	0	21	11	7	0	0	0	14	4	9	1	0	0	1000 above M.S.L.
750	7,910	21.4	20.6	62	22.5	62			2000 " "	22	9	9	2	0	0	25	9	9	7	0	0	13	6	7	0	0	0	3	1	2	0	0	0	2000 " "
650	11,510	9.4	10.2	62	11.2	61			3000 " "	16	10	2	2	1	0	10	2	7	1	0	0	10	5	5	0	0	0	3	2	1	0	0	0	3000 " "
550	15,620	-5.9	-3.7	62	-2.2	60			4000 " "	11	4	5	2	0	0	5	3	1	1	0	0	4	2	2	0	0	0	1	0	1	0	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 D.Sc., A.R.C.S., Director.

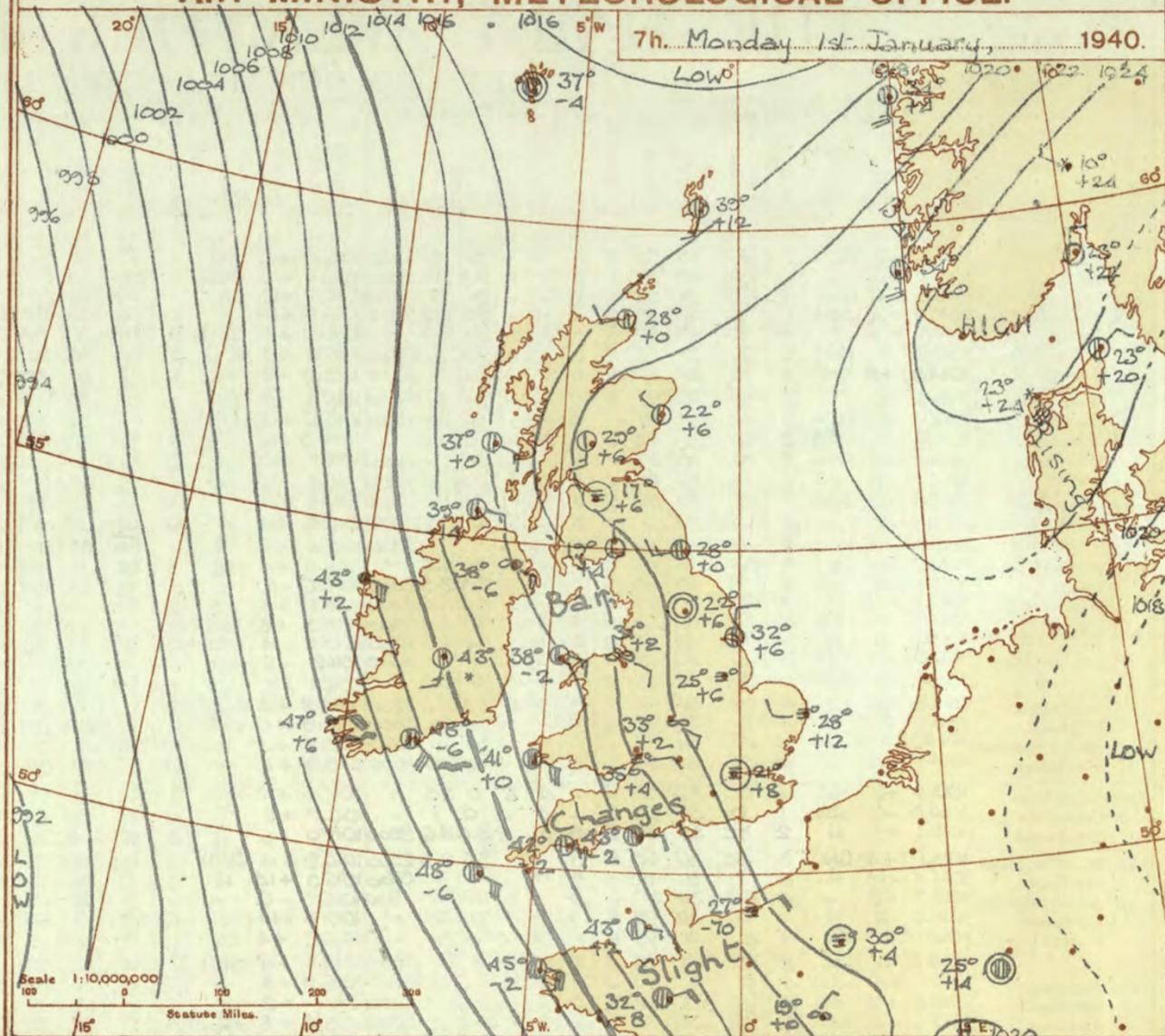
PRESSURE: ICELAND TO GULF OF LIONS January 1940.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseille. 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.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st January, 1940.
1 S.E. England	Wind south to southeast, light, becoming moderate; fine by day, local mist or fog tomorrow morning; day temperatures somewhat higher than of late; frost night and morning.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	As 7 - 9
5 S.W. England	Wind southeast, moderate to fresh; gale near coast; fair apart from occasional rain in extreme southwest tomorrow; moderate temperature.
6 South Wales ...	
7 North Wales ...	Wind southeast, moderate to fresh; fine; low day temperatures; frost at night.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Wind south, light, becoming moderate; fine; cold day temperatures; ground frost.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 7 - 9.
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	As 10 - 11
16 Orkneys and Shetlands	Wind south, moderate; fair; temperature rising slowly.
17 N. W. Ireland	As 19 - 20.
18 N. E. Ireland	As 7 - 9.
19 S. E. Ireland	Wind east to southeast, fresh to strong; gales near coasts; cloudy with occasional rain; day temperatures approaching average.
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 centred over southern Scandinavia is moving southeast, and an extensive depression over the North Atlantic is encroaching very slowly eastwards over the British Isles. It will be generally fine and cold over Great Britain, and cloudy with occasional rain in Ireland.

FURTHER OUTLOOK.

Occasional rain in Ireland and extreme Southwest.; fair elsewhere.

GALE WARNING.

Gale cone hoisted at 0230 on 1/1/40 in districts 5, 7, 19 and 20.

Forecasts issued at 1100 G.M.T.

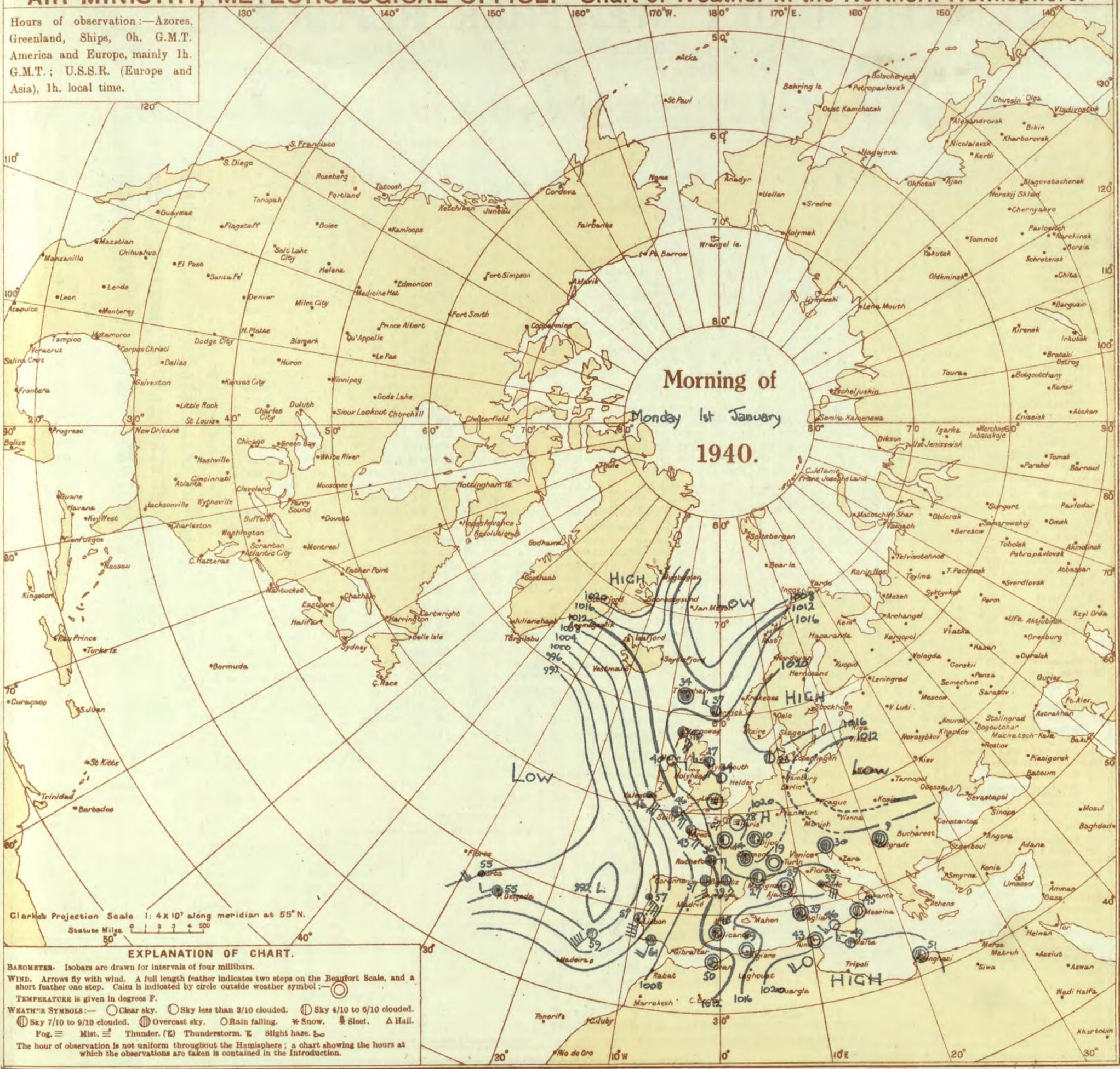
N. K. JOHNSON. D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

2474-3808. No. 8105. D. 4626. Sp. 548. 1/40

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.



Morning of
Monday 1st January
1940.

Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

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. (⚡) 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.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T. 1st January, Observations at 7 hr. G.M.T. 1st January, and Past 24 Hours. Includes sub-columns for Wind, Cloud, Temp., Humid., and Visibility.

LONDON OBSERVATIONS table with columns for Day, Night, Morning, Afternoon, Night, and 24 hrs. ended 9h. Includes stations like Kew, Croydon, Greenwich, etc.

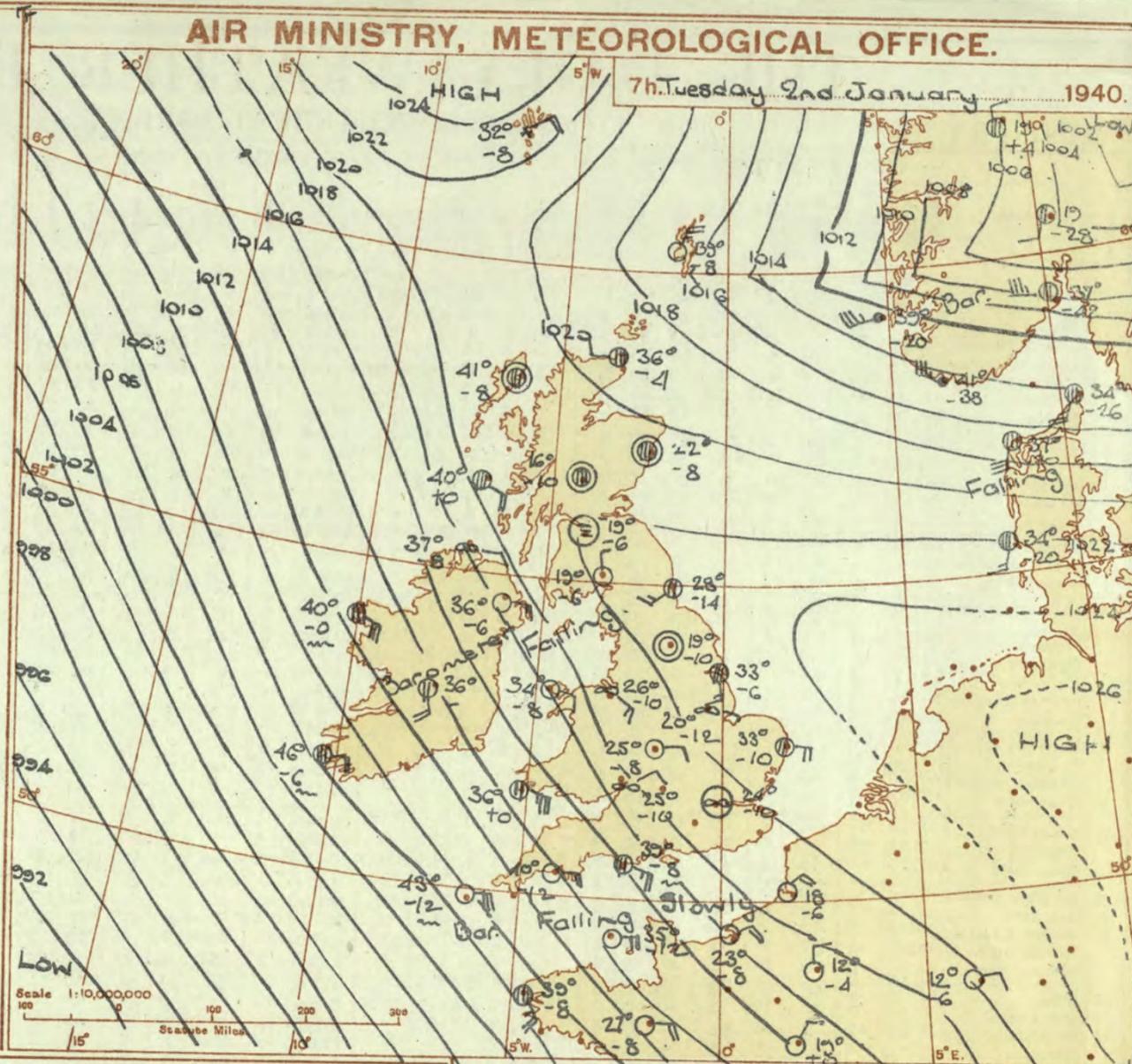
FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall. Includes stations like Paris, Brussels, Berlin, etc.

Atmospheric Pollution table with columns for Milligrams of Solid Impurity per cubic metre, 24 hrs. ended 7h. G.M.T. 1st, and Kew Observatory.

EXPLANATION OF FIGURES, LETTERS, etc. table with columns for COLUMNS 2, 16, COLUMNS 4, 18, COLUMNS 8, 22, COLUMNS 34, 35, and COLUMN 30.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 2nd January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 2nd January, 1940.
1 S.E. England	Wind east to southeast, moderate and weakening in the east, strong in the west with gales locally near coast; fine except in extreme southwest, where there will be occasional light rain; cold, with frost night and morning except in extreme southwest; local fog in the east tomorrow morning.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Wind south to southeast, moderate, becoming variable light; some snow tomorrow; cold with night frost.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Wind west, light or moderate, veering northeast, moderate to fresh; a period of sleet and snow moving south, with snow showers in extreme north tomorrow; cold.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotl ^d . B.N.W.Scotland.	Wind southeast, fresh in the northeast, strong in the southwest with gale locally near coasts; occasional rain in the southwest; rather cold.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
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 centred over Germany is moving southeastwards and an associated ridge of high pressure extending across the North Sea to Scotland is retreating slowly before a southward moving trough of low pressure to the north of Scotland. A complex depression covers the North Atlantic. Weather will be generally fine and cold except for sleet and snow in Scotland and occasional light rain in the extreme southwest.

FURTHER OUTLOOK.

Remaining cold; snow in Scotland.

GALE WARNING.

Gale cone hoisted at 0230 on 1/1/40 in districts 5, 7, 19 and 20.

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

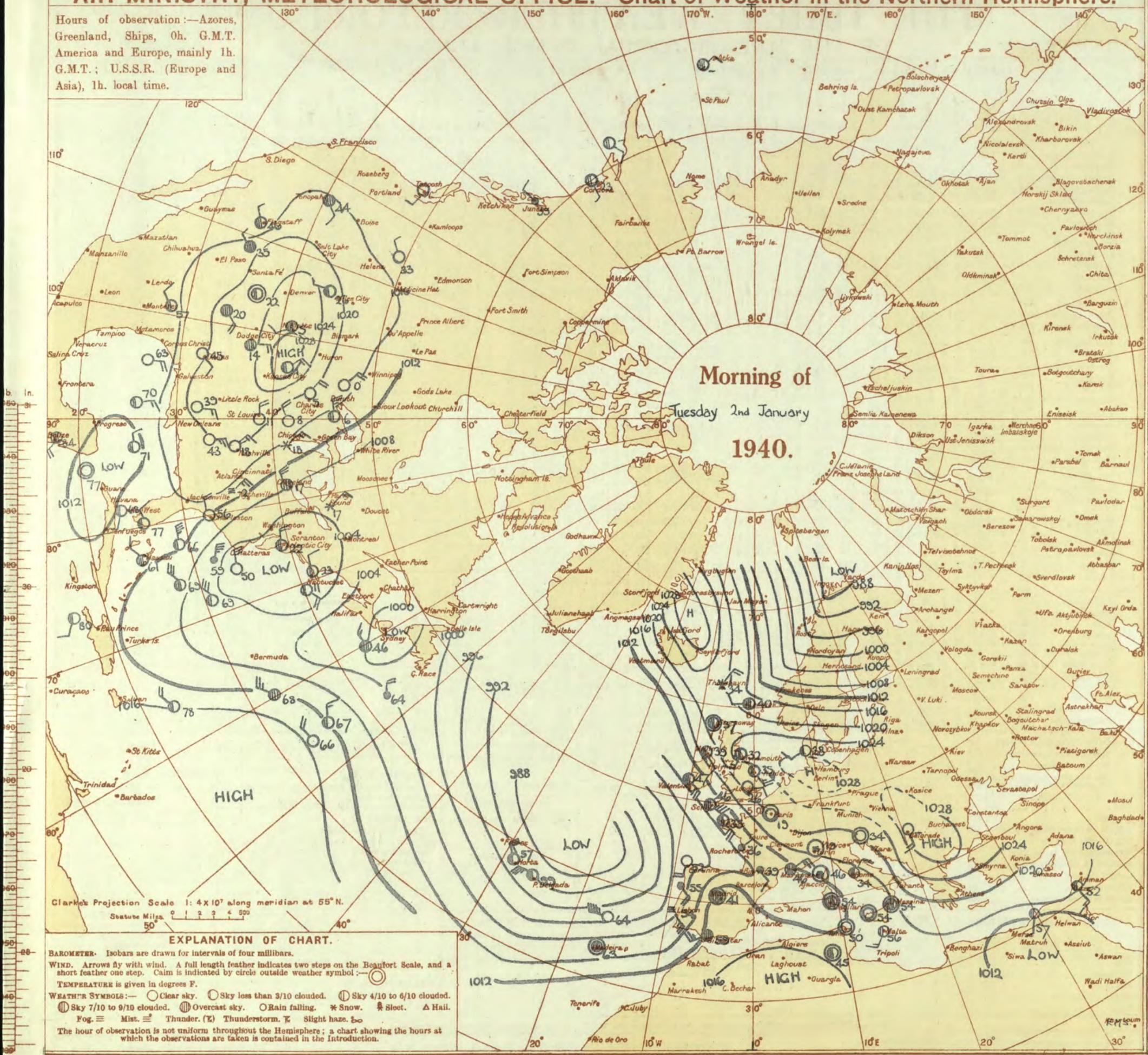
Forecasts issued at 1100 G.M.T.

H.M.S.O. Press, Cornwall House, S.E.1. 2474/3006, 44/8109, 04626, 02348/40

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
Tuesday 2nd January
1940.



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 circles 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. (Z) Thunderstorm. K 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.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-headers for Wind, Cloud, Temperature, Humidity, etc.

LONDON OBSERVATIONS table with columns for Day 7h-18h, 9h-18h, 9h-21h, and 24 hrs. ended 9h.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Temp., Humid., Rainfall, etc.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed codes for barometric tendency, wind scale, visibility, and sea state.

THE DAILY WEATHER REPORT

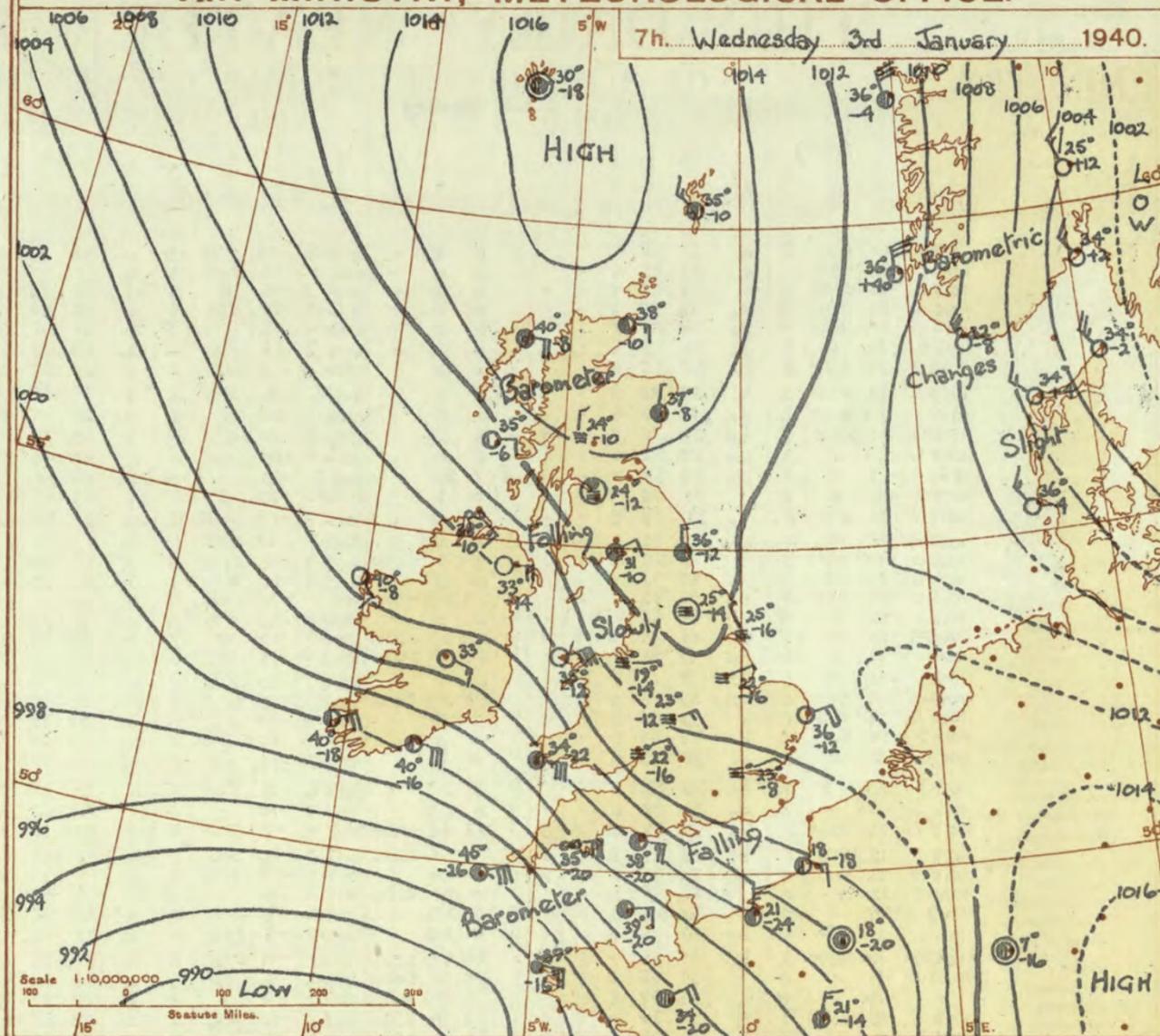
OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday 3rd January 1940.
No. 28531

OBSERVATIONS at 13h. G.M.T. 2nd January														OBSERVATIONS at 18h. G.M.T. 2nd January														PAST 24 HOURS.												
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility. 0-9	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility. 0-9	Cloud.			State of Ground. 0-9	WEATHER.																	
				Dirce.	Force.				Form.	Amount.	Height of Base. (feet)			Dirce.	Force.				Form.	Amount.	Height of Base. (feet)		7h-18h 2nd	13h-18h 2nd	18h-3rd 3rd	1h-7h 3rd														
(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) ...	1017.6	-20	E'N	3	33	65	4	-	-	0	0	-	1015.6	-18	E'N	2	3	31	75	4	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3			
	Croydon ...	1018.0	-26	NE'E	1	33	85	4	-	-	0	0	-	1016.1	-14	E'NE	2	3	27	92	4	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3		
	S. Farnborough	1017.4	-26	E'NE	2	33	85	4	-	-	0	0	-	1015.9	-16	E	3	3	29	75	4	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Boscombe Down	1016.4	-26	E'N	4	31	75	6	-	-	0	0	-	1013.9	-16	E'N	4	3	28	85	4	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Calshot (Soton.)	1016.0	-24	E'N	4	36	75	7	-	-	0	0	-	1013.4	-18	E'N	5	3	33	65	6	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Lympne	1018.6	-26	E	3	31	75	6	-	-	0	0	-	1016.7	-14	E'S	3	3	29	65	6	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Manston	1018.7	-24	SE	3	35	65	6	-	-	0	0	-	1016.0	-14	SE	2	3	31	65	6	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3	3	
2	Shoeburyness ...	1019.0	-18	ESE	3	35	75	7	-	-	0	0	-	1016.6	-16	E'S	2	3	35	57	7	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Felixstowe ...	1019.1	-24	ESE	3	38	65	6	-	-	0	0	-	1016.3	-20	E	2	3	35	75	6	-	-	0	0	-	1	2	2	2	2	2	2	2	2	2	2	2	2	
	Gorleston	1020.8	-20	ESE	3	37	75	7	-	-	1	0	2.3	1016.9	-10	SE'E	3	3	35	75	7	-	-	0	0	-	5	2	2	2	2	2	2	2	2	2	2	2	2	
	Mildenhall	1019.3	-32	E	2	35	92	6	-	-	0	0	-	1016.5	-20	E'NE	2	3	25	97	5	-	-	0	0	-	4	2	2	2	2	2	2	2	2	2	2	2	2	
	Cranwell	1020.1	-18	E	2	33	85	6	-	-	0	0	-	1016.9	-22	-	0	25	92	3	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
3	Birmingham	1018.7	-16	E	2	31	75	4	-	-	0	0	-	1016.5	-10	E	3	3	28	85	4	-	-	0	0	-	4	2	2	2	2	2	2	2	2	2	2	2	2	
	Upper Heyford	1018.0	-26	E'N	3	31	75	5	-	-	0	0	-	1016.2	-14	E'NE	3	3	27	92	4	-	-	0	0	-	5	2	2	2	2	2	2	2	2	2	2	2	2	2
4	Ross-on-Wye ...	1017.4	-24	E	2	31	75	6	-	-	0	0	-	1015.3	-12	E'NE	1	3	27	92	5	-	-	0	0	-	4	2	2	2	2	2	2	2	2	2	2	2	2	2
5	Hartland Point	1012.0	-14	NE	3	37	85	6	1	-	1	1	1000	1008.2	-16	E'NE	5	3	35	65	8	-	-	0	0	-	0	3	3	3	3	3	3	3	3	3	3	3	3	
	Bristol ...	1016.6	-20	E'N	3	33	75	6	-	-	0	0	-	1014.4	-10	E'N	1	3	25	85	4	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Portland Bill	1013.0	-18	ESE	5	41	92	8	1	-	2.3	2.3	4000	1011.1	-10	ESE	5	3	40	97	8	-	-	0	0	-	1	4	4	4	4	4	4	4	4	4	4	4	4	
	Plymouth	1011.2	-16	E	4	44	85	8	-	-	0	0	-	1008.0	-20	E	6	3	40	75	6	-	-	3	2.3	-	1	3	3	3	3	3	3	3	3	3	3	3	3	3
	The Lizard	1008.8	-10	E	7	45	75	8	4	-	2.3	2.3	2500	1005.7	-20	E	7	3	44	75	8	4	-	-	4.6	4.6	2500	0	4	4	4	4	4	4	4	4	4	4	4	
	Soilly (St. Mary's)	1007.0	-18	E	6	47	75	7	5	-	2.3	2.3	2500	1003.9	-14	E	6	3	44	85	7	5	4	-	2.3	4.6	2500	1	4	4	4	4	4	4	4	4	4	4	4	4
	Guernsey	1011.1	-20	E	4	39	65	7	-	-	0	0	-	1008.7	-20	E'S	4	3	37	75	6	-	-	0	2.3	-	0	3	3	3	3	3	3	3	3	3	3	3	3	3
6	Pembroke ...	1013.3	-18	SE	6	39	75	6	5	-	2.3	2.3	800	1009.9	-10	SE'E	7	3	37	55	7	5	-	-	2.3	2.3	1500	1	3	3	3	3	3	3	3	3	3	3	3	3
	Holyhead	1015.6	-18	E'S	1	42	65	9	-	-	1	0	Tr	1013.4	-14	E'S	1	3	27	75	6	-	-	0	0	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Chester (Sealand)	1018.9	-14	SE	2	30	85	5	-	-	0	0	-	1016.3	-10	SE'S	2	3	26	85	4	-	-	0	0	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Manchester	1019.2	-18	E	2	35	65	4	-	-	0	0	-	1016.7	-14	NE	1	3	25	97	1	-	-	0	0	-	8	3	3	3	3	3	3	3	3	3	3	3	3	3
10	Spurn Head ...	1019.9	-20	SE	2	36	75	7	-	-	8	0	2.3	1017.6	-8	S'W	1	3	30	92	7	-	-	0	0	-	3	1	1	1	1	1	1	1	1	1	1	1	1	
	Catterick	1020.3	-6	-	0	31	85	6	-	-	2	0	2.3	1017.7	-10	-	0	21	92	4	-	-	0	0	-	3	2	2	2	2	2	2	2	2	2	2	2	2	2	
	Tynemouth	1019.7	-26	SSW	3	32	92	5	3	1	2.3	4.6	1500	1018.4	-8	SW	2	3	30	85	3	5	-	-	4.6	4.6	1500	4	2	2	2	2	2	2	2	2	2	2	2	
11	St. Abbs Head	1018.9	-12	NW	1	33	85	7	4	6	2.3	4.6	2500	1017.3	-10	NW	1	3	34	85	6	4	-	-	2.3	2.3	2500	3	1	1	1	1	1	1	1	1	1	1	1	
	Leuchars	1019.0	-22	NW	1	30	85	5	-	-	7	6	0	1017.5	-18	NW	2	3	26	92	6	4	-	-	4	2	0	3	3	3	3	3	3	3	3	3	3	3	3	
	Reutrow (Abbots L.)	1020.0	-22	-	0	22	97	1	-	-	10	10	4150	1018.2	-6	-	0	18	97	0	-	-	10	10	4150	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Eskdalemuir	1019.3	-24	-	0	30	85	8	-	-	4	0	2.3	1017.6	-8	N'E	1	3	23	85	8	-	-	1	0	Tr	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Point of Ayre	1017.6	-20	SE	6	37	75	7	-	-	2	0	2.3	1015.7	-8	SE	4	3	37	75	6	-	-	0	0	-	0	3	3	3	3	3	3	3	3	3	3	3	3	
13A	Three ...	1017.3	-10	SE'E	2	37	85	7	5	-	4.6	4.6	2500	1016.1	-4	ESE	2	3	34	85	7	5	-	-	1	1	4000	0	2	2	2	2	2	2	2	2	2	2		
13B	Stornoway ...	1020.0	-6	-	0	37	85	6	5	1	4.6	10	4000	1018.8	-6	NW	1	3	36	92	6	5	7	-	7.8	9.4	2500	3	0	0	0	0	0	0	0	0	0	0	0	
15	Dalwhinnie	-	-16	-	0	25	97	8	5	4	1.6	4.6	4000	1017.7	-4	-	0	19	97	8	-	-	4	-	0	Tr	4150	8	3	3	3	3	3	3	3	3	3	3	3	
	Aberdeen	1018.5	-18	NW'																																				

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 3rd January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd January, 1940
1 S.E. England	Wind east moderate; fair with increasing high and medium cloud; cold with general frost, becoming less cold tomorrow.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind east, fresh to strong; with gales on coasts; rain spreading slowly northwards tonight; rather cold, becoming milder.
6 South Wales ...	
7 North Wales ...	Wind east, moderate; fresh locally; fine and cold with general frost.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Wind variable, light, becoming east to southeast, moderate; occasional light rain or sleet today; cold with general frost and local fog.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotland B.N.W.Scotland.	Wind east to southeast, moderate; fair; cold with general frost.
14 Mid Scotland	
15 N.E. Scotland	As 1C - 12.
16 Orkneys and Shetlands	
17 N.W. Ireland	Wind east, moderate in the north, fresh to strong in the south; fair apart from rain in extreme south tomorrow; rather 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 temperatures.

GENERAL INFERENCE.

A depression centred off northwestern Spain is moving slowly north-northeastwards and an anticyclone centred north of Scotland is moving southeastwards and weakening; Weather will be mainly fine and cold apart from occasional light rain or sleet in Southern Scotland and Northern England today, and rain spreading slowly north-eastwards from the southwest tonight.

FURTHER OUTLOOK.

Becoming milder in the south, chance of glazed frost in Midlands.

GALE WARNING.

Gale cone hoisted at 0230 on 1/1/40 in districts 5, 7, 19 and 20.

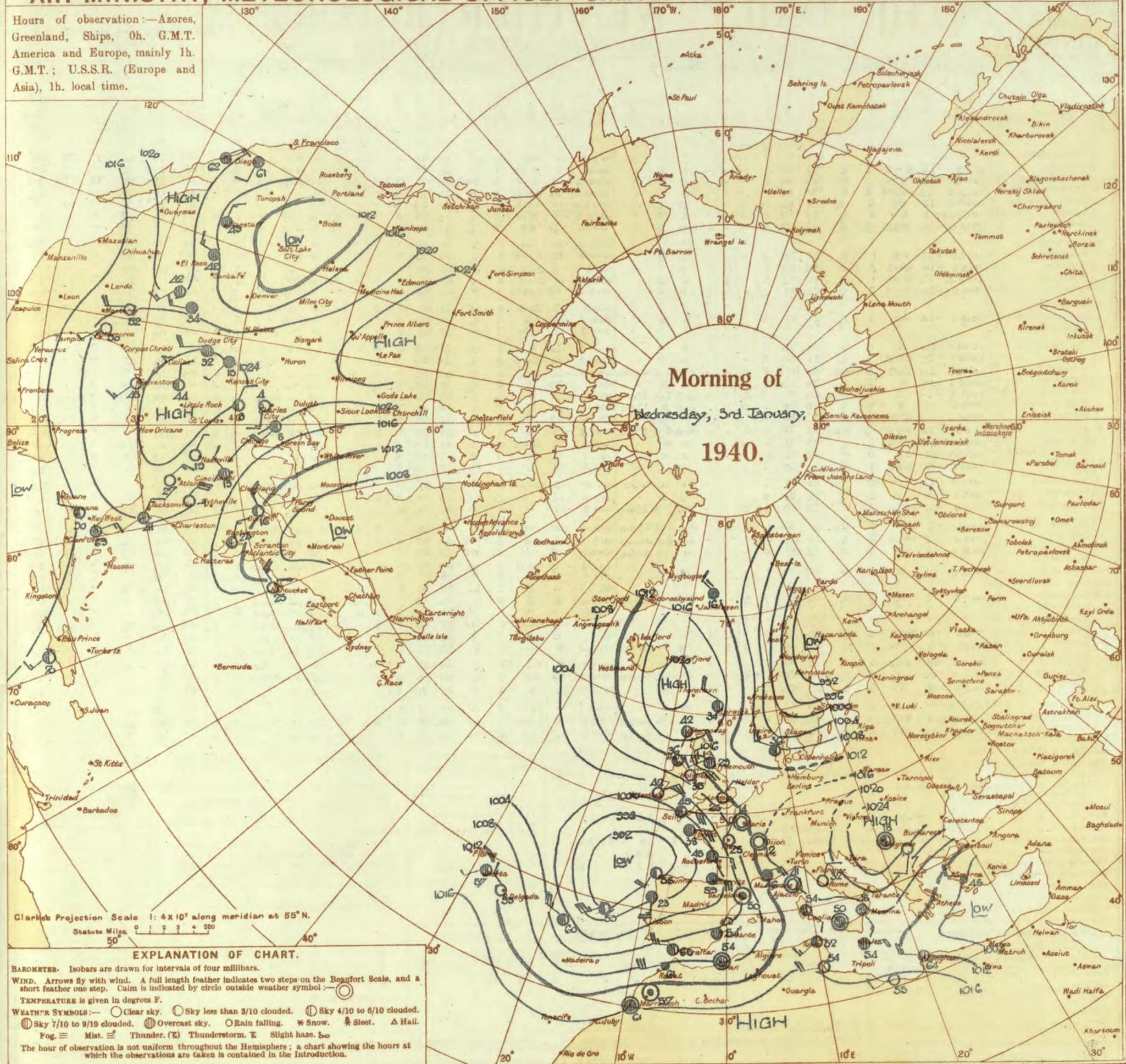
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

Forecasts issued at 1100 G.M.T.

H.M.S.O. Press, Cornwall House, S.E.1. 24. 4.3106. H.R.1109. P.4226. 6p. 948. 1/40

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
Wednesday, 3rd January,
1940.

Clarke's Projection Scale 1: 4x10⁷ along meridian at 55° N.
Statute 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. ⚡ 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.

OBSERVATIONS at 1 hr. G.M.T. 3rd January														OBSERVATIONS at 7 hr. G.M.T. 3rd January														PAST 24 HOURS.						
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.				Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE 2nd Hrs. (36)			
					Dirac. (3)	Force. (4)				Weather. (5)	Form. (9)	Amount. (10)	Height of Base. (feet) (14)			Dirac. (17)	Force. (18)				Weather. (19)	Form. (23)	Amount. (24)	Height of Base. (feet) (28)		State of Ground. (29)	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	1011.3	-22	W	2	25	85	5	-	-	-	1008.6	-14	W	2	27	85	4	-	-	8	0	7-8	-	3	34	25	11	7	Tr	4.0		
	Croydon	217	1011.3	-22	W	2	25	85	5	-	-	-	1009.1	-8	W	1	23	85	4	-	-	6	0	4-6	-	3	33	21	12	-	-	4.7		
	S. Farnborough	226	1011.3	-20	W	1	24	85	2	-	-	-	1008.0	-22	W	2	22	85	5	5	5	2-3	4-6	4000	4	3	34	22	18	Tr	Tr	3.5		
	Boscombe Down	417	1010.3	-26	W	4	23	85	4	-	-	-	1008.2	-22	W	3	26	78	5	5	5	0	4-6	-	4	3	32	23	19	-	-	6.3		
	Calshot (Stmntn.)	8	1009.5	-26	W	4	28	85	5	-	-	-	1008.0	-14	W	3	30	80	6	6	6	2	0	7-8	-	3	37	27	-	-	-	-		
	Lympe	346	1012.8	-18	W	3	27	85	6	-	-	-	1009.5	-18	W	3	28	78	5	6	6	5	0	2-3	-	3	31	26	23	-	-	7.2		
	Manston	154	1013.0	-14	W	3	32	78	5	-	-	-	1009.0	-22	W	2	31	65	6	-	-	6	0	4-6	-	3	36	15	*	-	-	-		
2	Shoeburyness	11	1012.8	-22	W	1	35	85	6	-	-	-	1009.5	-18	W	3	34	57	7	-	-	0	0	-	3	35	27	18	-	-	7.0			
	Felixstowe	15	1013.8	-22	W	1	35	85	6	-	-	-	1009.9	-18	W	2	35	75	6	-	-	7	0	4-6	-	1	2	38	26	24	-	-	7.1	
	Gorleston	5	1013.8	-24	W	3	34	85	7	-	-	-	1011.3	-12	W	4	36	75	7	-	-	0	0	-	5	2	37	31	30	-	-	*		
	Mildenhall	19	1013.3	-12	W	1	21	92	5	-	-	-	1010.5	-14	W	2	19	92	4	-	-	8	0	Tr	-	3	36	17	5	Tr	-	-	6.4	
	Cranwell	240	1014.5	-20	W	2	23	97	2	-	-	-	1012.0	-16	W	1	22	92	1	-	-	10	10	<150	3	3	33	17	9	-	-	5.0		
3	Birmingham	535	1013.1	-14	W	3	24	92	5	-	-	-	1012.5	-12	W	3	23	97	2	5	-	-	10	10	450	4	3	32	21	16	-	-	3.4	
	Upper Heyford	408	1013.1	-14	W	3	24	92	5	-	-	-	1012.2	-12	W	3	24	92	2	5	-	-	5	0	2-3	-	3	32	22	16	-	-	*	
4	Ross-on-Wye	223	1013.1	-14	W	3	24	92	5	-	-	-	1009.2	-16	W	2	22	97	4	5	-	-	0	3	800	4	3	31	20	10	-	-	6.1	
5	Hartland Point	299	1004.0	-26	E	5	33	85	7	-	-	-	1000.6	-26	E	5	31	78	6	5	-	-	2-3	2-3	4000	0	3	38	30	29	-	-	5.5	
	Bristol	209	1010.7	-22	W	2	23	85	5	-	-	-	1007.3	-16	W	3	26	85	5	5	-	-	5	1	2500	3	3	35	21	10	-	-	6.0	
	Portland Bill	32	1006.3	-20	W	5	40	85	8	-	-	-	1002.8	-20	W	5	38	82	7	5	-	-	10	10	2500	1	4	44	36	-	-	-	-	
	Plymouth	82	1005.2	-18	W	6	38	85	6	-	-	-	1001.1	-20	W	6	35	85	6	5	-	-	10	10	1500	1	4	45	35	33	-	-	6.7	
	The Lizard	240	1001.4	-24	W	6	48	92	2	-	-	-	997.3	-24	W	7	48	92	6	8	2	-	7-8	10	1500	0	4	46	41	-	-	-	6.7	
	Scilly (St. Mary's)	163	999.8	-16	W	6	48	85	6	-	-	-	996.4	-26	W	6	48	92	7	8	1	-	4-6	10	1500	1	4	47	39	-	-	-	6.4	
	Guernsey	175	1004.7	-30	W	2	37	85	6	-	-	-	1002.3	-20	W	3	39	85	6	8	2	-	9	10	2500	0	3	40	35	28	-	-	7.5	
6	Pembroke	142	1005.3	-20	W	6	35	48	8	-	-	-	1002.8	-22	W	7	34	85	7	5	-	-	7-8	7-8	1500	3	3	35	30	-	-	-	4.6	
	Holyhead	26	1009.0	-26	W	6	35	75	6	-	-	-	1007.1	-12	W	6	35	65	7	-	-	-	0	0	-	3	3	46	31	20	-	-	6.7	
	Chester (Sealand)	16	1013.3	-18	W	3	23	92	4	-	-	-	1011.1	-14	W	1	19	97	4	-	-	-	0	0	-	4	3	30	19	19	-	-	4.6	
8	Manchester	70	1016.7	-22	W	1	21	85	2	-	-	-	1011.4	-14	W	1	18	78	2	-	-	-	0	0	-	8	3	36	10	5	-	-	3.0	
10	Spurn Head	29	1013.3	-20	W	0	29	97	2	-	-	-	1011.6	-16	W	2	28	97	1	-	-	-	10	10	<150	5	1	36	24	-	-	-	6.0	
	Catterick	175	1015.1	-18	W	0	18	85	5	-	-	-	1012.8	-16	W	0	25	97	3	5	-	-	9	9	1500	3	3	32	15	7	-	-	2.4	
	Tynemouth	108	1016.1	-14	W	2	29	85	6	-	-	-	1013.2	-12	W	3	36	92	6	-	-	-	10	10	1500	4	2	33	27	22	-	-	*	
11	St. Abbs Head	280	1015.0	-2	W	0	36	85	7	-	-	-	1013.0	-10	W	3	41	75	7	8	2	-	4-6	10	1500	1	2	34	33	-	-	1	-	*
	Leuchars	36	1015.4	-18	WNW	2	27	92	6	-	-	-	1013.8	-8	W	2	35	97	6	5	-	-	9	9	2500	3	3	31	24	20	-	-	0.2	
12	Benfrew (Abbots L.)	19	1016.0	-16	W	0	22	97	0	-	-	-	1013.3	-12	W	0	24	97	1	-	-	-	10	10	<150	3	3	32	16	17	-	-	0.0	
	Eskdalemuir	794	1012.6	-14	W	4	36	75	7	-	-	-	1010.4	-10	W	3	31	88	6	8	-	-	10	10	<150	4	3	33	20	12	-	-	6.3	
	Point of Ayre	30	1012.8	-14	W	4	36	75	7	-	-	-	1010.4	-10	W	3	31	88	6	8	-	-	10	10	<150	0	3	38	36	-	-	-	3.6	
13A	Tiree	22	1017.0	-12	W	4	42	86	7	-	-	-	1011.3	-8	W	2	35	88	8	5	-	-	Tr	Tr	-	3	1	40	36	18	-	-	2.1	
13B	Stornoway	80	1017.0	-12	W	4	42	86	7	-	-	-	1015.3	-8	W	4	40	85	7	5	-	-	7-8	7-8	4000	1	2	41	36	-	-	-	0.0	
15	Dalwhinnie	1176	1016.1	-10	W	1	24	92	6	-	-	-	1015.2	-10	W	1	24	92	6	5	-	-	7-8	10	1500	5	3	26	14	11	-	-	0.0	
	Aberdeen	79	1014.5	-8	W	1	37	78	6	-	-	-	1014.5	-8	W	1	37	78	6	-	-	-	9	9	1500	4	2	34	30	28	-	-	0.0	
	Wick	81	1016.6	-10	ENE	3	39	75	7	-	-	-	1015.2	-10	W	3	38	65	7	5	-	-	7-8	9	2500	1	2	43	37	-	-	1	-	0.0
16	Lerwick	156	1012.7	-8	NW	4	34	75	8	-	-	-	1015.0	-8	NW	3	38	82	8	7	-	-	7-8	9	1500	3	3	39	32	-	-	Tr	Tr	0.0
17	Blacksod Point	18	1007.5	-18	ESE	3	42	35	7	-	-	-	1006.5	-8	SE	2	40	35	7	-	-	-	10	10	<150	3	4	42	36	-	-	-	-	
18	Malin Head	84	1012.0	-20	W	3	38	75	6	-	-	-	1009.5	-10	SE	3	38	75	6	5	-	-	2-3	2-3	4000	3	2	40	31	-	-	-	5.5	
	Aldergrove	268	1012.2	-18	E'N	3	33	65	6	-	-	-	1009.7	-14	W	4	38	85	6	-	-	-	0	0	-	3	3	38	27	14	-	-	4.9	
19	Birr Castle	173	1008.5	*	ESE	2	34	65	8	-	-	-	1005.5	*	ESE	3	38	97	8	-	-	-	0	0	-	3	3							

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

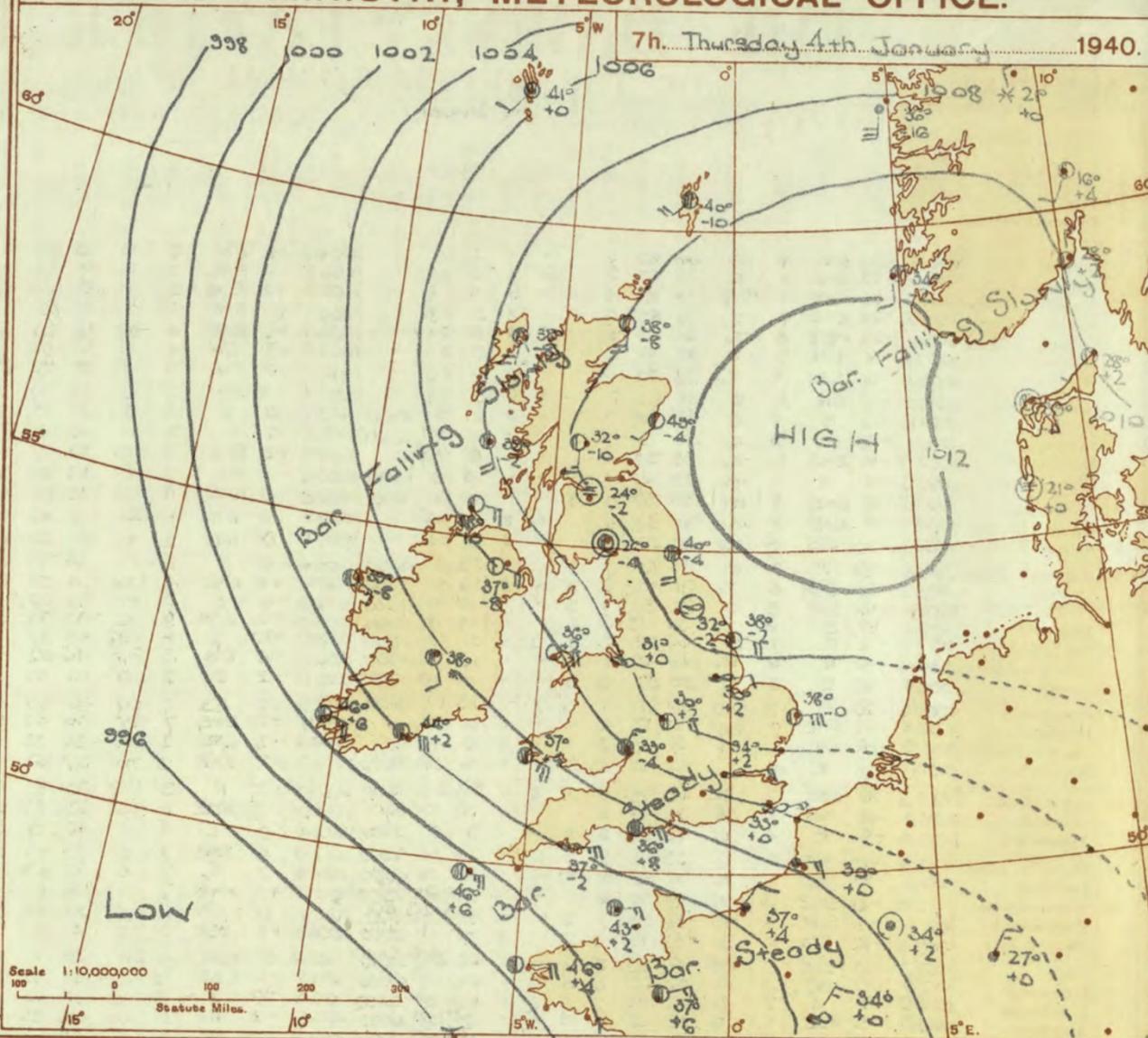
OBSERVATIONS at 13h. G.M.T. 3rd January														OBSERVATIONS at 18h. G.M.T. 3rd January														PAST 24 HOURS.					
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility. 0-9	Cloud.			Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Visibility. 0-9	Cloud.			Sea. 0-9	WEATHER.										
				Dirac.	Force.				Form.	Amount.	Height of Base (feet)			Dirac.	Force.				Form.	Amount.	Height of Base (feet)		State of Ground.	7h.-18h. 3rd	13h.-18h. 3rd	18h. 3rd to 1h. 4th	1h.-7h. 4th						
1	London (Kew)...	1006.0	-20	ENE	4	36	65	4	-	0	0	1006.3	+2	EN	4	m	35	85	4	-	8	0	7.8	-	3	bcc x	cz xcm	cm x	cm.				
	Croydon ...	1006.6	-22	ENE	4	34	65	5	-	3	2	1006.1	-4	ENE	3	z	33	82	5	-	4	0	2.3	-	7	bcm.fcm.	cz.	bbcm.	bm xcm.				
	S. Farnborough	1005.5	-26	NEE	4	32	75	4	-	6	0	1005.5	+2	ENE	3	m	33	85	4	-	7	8	0	10	-	4	bcm.fcm.	z.zcm.	cm bzcm.	bczcm.			
	Boscombe Down	1004.5	-22	ENE	4	31	85	5	-	8	0	1004.1	0	ENE	4	z	33	85	5	-	2	0	4.6	-	4	bcm.cm.	cm.	bcmbm.	cirm.				
	Calshot (Soton.)	1003.7	-22	NEE	4	34	65	6	-	7	3	1003.9	+6	ENE	4	bc	36	55	6	-	7	0	2.3	-	3	cm.	cbcmoy.	bycid.o	ididalam				
	Lympne	1007.1	-14	EN	5	35	55	8	-	6	0	1006.8	+2	EN	4	c	34	55	7	-	2	0	7.8	-	3	bc zoc	c	cbbm.	obcm.				
	Manston	1007.1	-14	ESE	4	36	55	6	-	6	0	1006.2	-2	ESE	5	z	35	55	6	-	8	0	2.3	-	3	bzoczay	czay	bybz.	bzcm.				
2	Shoeburyness ...	1007.9	-12	EN	4	38	65	7	-	5	3	1007.4	-7	EN	5	c	37	75	7	-	6	0	2.3	-	3	bcmz	bcc	c	c				
	Felixstowe	1008.6	-12	E	4	38	75	8	5	-	8	9	9.4	E	4	c	39	75	7	5	-	9.4	9.4	2500	1	3	bcm.c	c	cm.bc	bmob			
	Gorleston	1010.1	-20	E'S	5	39	75	7	5	-	9	9	2500	0	E	5	c	40	75	7	5	-	10	10	2500	1	2	bbcc	c	cbcbq	bq		
	Mildenhall	1008.7	-14	ENE	2	38	92	6	-	6	0	1008.4	+2	ENE	3	z	35	92	6	5	-	10	10	2500	3	*	bmbcmx	bcm.	cm.v.b	bx			
	Cranwell	1010.3	-14	N	1	29	97	4	5	-	10	10	1500	-2	NE	2	F	34	92	3	5	-	10	10	800	3	*	ofxcm	cmmf	cfrcm.	bmox		
3	Birmingham	1008.8	-10	ENE	4	29	97	4	5	-	10	10	800	-2	ENE	4	c	33	85	5	5	-	7.8	7.8	1500	4	*	Fom	omc	obcc	cb		
	Upper Heyford	1008.1	-14	ENE	3	31	85	6	-	4	8	0	7.8	-	E'N	4	z	31	85	5	5	7	6	9	9.4	1500	4	*	bm.xcm.	cm.	bcm.cm.	cmabcm.	
	Ross-on-Wye	1006.7	-20	NEE	3	31	92	6	-	2	0	1007.0	0	NE	2	z	31	85	6	5	-	1	2.3	4.6	800	4	*	omcz.	cm.	obcc	co		
5	Hartland Point	998.8	-22	NE	5	34	65	7	5	1	-	7.8	9	E	6	rr	35	75	6	6	2	-	4.6	10	1500	6	3	bcc	crr	cr.	c		
	Bristol ...	1005.1	-22	ENE	4	31	85	6	5	-	8	7.8	9	ENE	4	z	31	85	6	5	-	2.3	2.3	4000	3	*	bcccmx	cm.bcmx	bcbcmx	bcm.x			
	Portland Bill	1000.9	-16	ESE	5	38	92	7	5	-	10	10	2500	-4	E	5	rr	38	92	7	5	-	10	10	2500	1	4	c	crr	crr	o		
	Plymouth	999.1	-14	E	6	39	75	6	5	1	-	7.8	10	E'N	6	c	37	85	6	5	1	-	9.4	10	800	1	3	cmo	ozcm.	cm.	cm.cm.		
	The Lizard	997.1	-2	E	7	44	92	6	8	2	-	9	10	rr.	6	rr.	45	97	6	5	2	-	9	10	1500	1	4	cpr rr	cdm rr	c	cidm		
	Scilly (St. Mary's)	995.3	-10	E	6	46	85	6	8	-	10	10	1500	+10	E'S	5	o	46	92	6	8	-	10	10	1500	1	4	cir.	cir.	cr.c	circir		
	Guernsey	998.8	-12	E	2	39	97	6	5	-	10	10	1500	+2	E	2	o	41	97	6	5	-	10	10	1500	1	3	crr	rr.o.	oid.	oid.		
6	Pembroke	1000.6	-20	E	7	bcq	37	97	7	5	7	-	2.3	4.6	E'S	7	cq	36	65	7	5	6	-	4.6	7.8	1500	1	3	cbcc	bccq	bccq	cq	
	Holyhead	1005.8	-4	ENE	7	bc	37	55	9	-	4	6	0	4.6	ENE	7	bc	36	85	6	-	3	-	0	7.8	-	3	bxbcc	ym.bcc	bmob	o		
	Chester (Sealand)	1009.5	-14	ESE	1	bcf	37	85	3	-	6	0	4.6	-	ESE	2	m	36	75	4	5	-	10	10	2500	4	*	bef x	befxcmx	g.b.cmx	cm bzcm.		
	Manchester	1008.4	-18	E	4	z	36	65	5	-	9	9	2500	-2	ENE	2	m	37	85	4	5	-	9	9	2500	4	*	bff cm	cz.	bz.cz.	cm.bcm.		
10	Spurn Head	1010.3	-10	ESE	2	bc	40	75	6	5	8	-	2.3	4.6	E	5	c	39	85	7	5	-	9	9	800	1	3	ffc	irc	c	c		
	Catterick	1011.2	-14	NE	1	df	34	97	3	-	10	10	1500	-2	ENE	1	z	35	85	6	5	-	9	10	2500	1	3	xofid.	ofid.cm.	cm.bcmx	bxmcm.		
	Tynemouth	1012.9	-8	E	4	c	42	85	8	-	9	9	2500	0	E	4	c	40	75	8	8	-	9	9	2500	1	3	ocpc	cp.c	c	c		
11	St. Abbs Head	1012.6	-10	NE	3	c	35	65	8	5	6	-	7.8	9.4	SSE	3	c	39	75	8	8	6	-	4.6	7.8	2500	0	3	c	c	p.c	prc	
	Leuchars	1013.3	-8	NE	1	c	37	92	9	8	-	9.4	9.4	4000	-2	E	2	c	39	65	8	5	-	10	10	4000	3	*	cidp	prc	c	cxprc.x	
	Renfrew (Abbots L.)	1012.9	-10	ENE	3	m	37	92	4	5	-	9.4	9.4	2500	+2	ENE	2	m	36	85	4	5	-	9	9	2500	3	*	offcm	embcm	cm	cmffbc	
	Eskdalemuir	1011.4	-12	ENE	4	bc	36	92	7	5	-	2.3	2.3	800	0	EN	2	c	33	85	7	5	-	10	10	800	1	*	d.o.c	bcc	c	cbcc	
	Point of Ayre	1009.0	-12	E'S	4	b	42	85	8	2	-	5	7.8	1	SE'S	3	c	41	85	7	8	-	7.8	7.8	1500	0	3	b	bcc	c	c		
13A	Three ...	1010.7	-10	ESE	3	bc	41	85	8	2	-	4.6	4.6	2500	-6	ESE	4	bc	39	85	8	5	7	-	2.3	2.3	4000	3	3	bc	bc	bc	bcc
13B	Stornoway	1012.0	-12	SE	3	c	42	75	8	5	6	-	4.6	7.8	ESE	2	c	41	65	8	5	7	-	7.8	9.4	4000	1	1	c	c	c	c	
15	Dalwhinnie	1014.0	-8	S	2	c	32	92	7	5	6	-	4.6	9.4	S	3	c	32	92	7	4	6	-	4.6	9	2500	8	*	cife	c	c	c	
	Aberdeen	1013.9	-10	ESE	1	c	39	85	6	5	-	9.4	9.4	4000	-2	NW	1	m	35	85	8	5	-	9	9	2500	4	3	cczay	cycz	cofcz	cir.bc	
	Wick	1014.3	-10	E	3	c	39	85	8	5	7	-	7.8	9.4	SE	3	c	40	65	7	5	7	-	7.8	9.4	2500	1	1	cy	c	c	c	
	Lerwick	1014.3	-8	NW'N	3	bc	36	75	8	5	7	-	4.6	4.6	NE	1	bc	33	85	8	5	7	-	4.6	4.6	1500	3	*	cbe	bc	bc	bcc	
17	Blacksod Point...	1004.7	-20	EN	6	c	39	65	7	-	4	0	7.8	-	EN	4	bc	37	85	7	-	3	0	4.6	-	0	4	bcq	bcq	c	bc		
	Malin Head	1008.8	-8	SE	3	bc	41	75	8	5	-	5	2.3	4.6	S	2	c	41	75	8	8	-	7.8	7.8	5700	0	2	bccbc	c	c	cbcc		
	Aldergrove	1008.7	-16	ENE	4	b	39	75	7	5	7	1	7.8	7.8	E'S	3	z	39	85	6	5	-	9	9	2500	1	*	b	bbcm.cm.	cm.cz.	cz.z.bx		
19	Birr Castle	1004.6	#	N	3	c	36	75	8	5	-	5	4.6	7.8	ENE	2	bc	34	75	8	-	4	0	2.3	-	3	c	cbc	b	bcc			
	Valentia Obsy. †	999.3	-8	ENE	4	c	44	45	8	5	3	2	4.6	5	NEE	3	c	43	55	8	5	7	-	2.3	9.4	5700	0	2	bcey	cy	cyc	cbcc	
	Roches Point	1000.4	-16	E	5	c	43	55	8	-	3	5	0	7.8	E	6	c	42	65	8	5	-	3	2.3	7.8	2500	1	4	cy	c	cir.c	id.c	

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

<p>COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.</p> <p>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 220-1100 yds. F, thick fog</p>
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AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Thursday 4th January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th January 1940.
1 S.E. England	Wind east, becoming southeast; moderate; cloudy with occasional light rain locally, less cold than of late.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	As 1.
6 South Wales ...	As 2 - 4.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Wind southeast to south, moderate; fair with variable cloud, but occasional showers of rain or sleet on east coast; cold with frost night and morning and local fog.
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	Wind south to southwest, moderate; mainly fair; rather cold, with frost inland night and morning, but becoming less cold.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	Wind east to southeast; moderate; fair; rather cold.
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.

A depression over the Bay of Biscay is filling up and a weak anticyclone over the North Sea is moving slowly southeastwards. Pressure is low and falling in the Iceland region and between Greenland and Norway. There will be occasional light rain in the South. It will be generally less cold than of late, but frost will persist night and morning in Scotland and Northern England.

FURTHER OUTLOOK.

Becoming milder slowly; less settled in the Northwest.

Forecasts issued at 11.30 G.M.T.

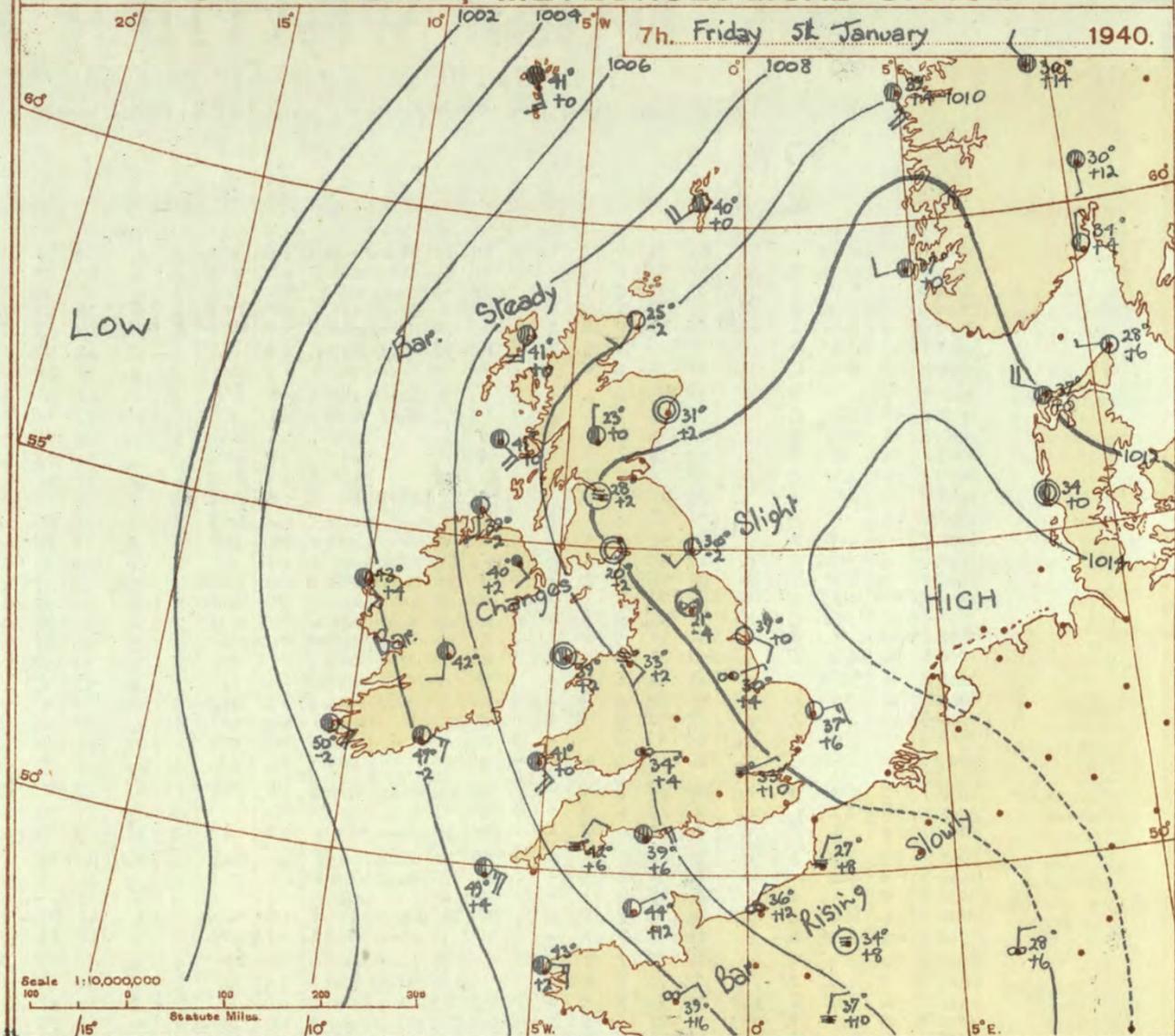
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 4th January														OBSERVATIONS at 7 hr. G.M.T. 4th January														PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L., in feet.	Barom. at M.S.L., mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.				Barom. at M.S.L., mb. (15)	Change in 3 hours. (16)	Wind.		Weather.	Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.				Sea. (30)	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs. (36)				
					Dir.	Force.					Form.	Amount.	Height of Base (feet).	Dir.			Force.	Form.					Amount.	Height of Base (feet).	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	1006.0	-4	E	3	38	85	6	5	Tr	Tr	2500	1006.2	+2	E	3	34	85	6	5	5	10	10	2500	8	36	34	30	-	-	0.0					
	Croydon	217	1003.5	-2	E	4	33	85	5	5	Tr	Tr	1500	1003.6	+2	E	3	34	85	6	5	5	10	10	4000	8	35	32	28	-	-	0.0					
	S. Farnborough	226	1003.5	-2	E	4	33	85	5	5	Tr	Tr	1500	1003.6	+2	E	3	34	85	6	5	5	10	10	4000	4	35	33	31	-	-	0.0					
	Boscombe Down	417	1004.4	-2	E	3	33	85	5	5	Tr	Tr	1000	1004.3	-4	E	5	34	92	5	5	5	10	10	2500	4	33	31	29	-	-	0.0					
	Calshot (Stmntn.)	8	1003.9	-4	E	3	35	85	6	5	Tr	Tr	4000	1004.3	+2	E	3	36	85	6	5	2	10	10	1500	1	37	35	34	-	-	0.0					
	Lympe	346	1006.2	-8	E	4	32	85	6	5	Tr	Tr	1500	1006.1	0	E	3	33	92	6	5	5	10	10	1500	3	35	31	29	Tr	Tr	1.8					
	Manston	154	1003.6	-10	E	4	34	75	6	3	5	0	2-3	1006.0	0	ESE	3	36	85	6	5	5	9+	5+	1500	0	38	33	29	-	-	0.0					
2	Shoeburyness	11	1007.7	-2	SSW	4	38	75	7	5	2-3	2-3	1500	1007.1	+2	NE	6	37	75	7	3	3	0	2-3	1	2	33	37	31	-	-	0.0					
	Felixstowe	15	1005.2	-6	E	6	38	75	7	4	0	1	-	1009.1	0	E	6	38	75	7	4	0	0	Tr	1	4	40	37	35	-	-	0.0					
	Corleston	5	1008.1	-6	E	3	40	97	7	5	0	0	-	1008.1	0	E	2	29	57	7	5	0	Tr	3	3	36	28	22	Tr	Tr	0.0						
	Mildenhall	19	1008.1	-6	E	3	40	97	7	5	0	0	-	1008.1	0	E	2	29	57	7	5	0	Tr	3	3	36	28	22	Tr	Tr	0.0						
	Cranwell	240	1003.8	-2	E	3	34	85	5	5	7-8	7-8	1500	1003.8	+2	E	2	30	97	5	5	5	Tr	Tr	800	3	34	29	24	Tr	Tr	0.0					
3	Birmingham	535	1007.6	+4	E	3	34	85	6	5	4-6	4-6	1500	1008.0	+2	E	3	30	85	6	5	5	2-3	2-3	2500	4	33	30	26	-	-	0.0					
	Upper Heyford	408	1007.6	+4	E	3	34	85	6	5	4-6	4-6	1500	1007.5	-2	E	4	30	85	6	5	5	0	2-3	4	4	32	29	25	-	-	0.0					
	Ross-on-Wye	223	1007.1	-4	NE	3	33	97	7	5	0	0	-	1007.1	-4	NE	3	33	97	7	5	5	10	10	1500	4	31	30	26	-	-	0.3					
5	Hartland Point	299	1000.8	+6	E	5	34	75	7	8	2	7-8	10	2500	1002.0	+8	E	4	34	85	7	5	7-8	7-8	2500	3	36	32	31	0.5	2	0.0					
	Bristol	209	1005.5	-6	E	3	31	85	6	5	4-6	4-6	1500	1005.3	-2	E	2	34	85	6	5	5	10	10	1500	3	32	30	25	-	-	0.2					
	Portland Bill	32	1002.0	0	E	5	36	92	7	5	10	10	1500	1003.3	+8	E	5	36	92	7	5	5	10	10	1500	1	40	34	0.5	1	0.0						
	Plymouth	82	1001.7	+2	E	5	36	85	6	5	9+	9+	1500	1002.2	-2	E	5	37	92	5	5	5	10	10	800	1	39	35	34	2	-	0.0					
	The Lizard	240	993.4	+4	E	5	36	97	6	5	10	10	1500	1002.2	-2	E	5	37	92	5	5	5	10	10	800	1	39	35	34	2	-	0.0					
	Scilly (St. Mary's)	163	998.1	+2	E	5	46	92	6	5	10	10	1500	1000.2	0	E	5	46	97	6	5	2	10	10	800	1	45	43	0.2	1	0.0						
	Guernsey	175	1000.4	+2	E	2	42	97	5	5	10	10	800	1001.1	+2	E	3	43	97	5	5	5	10	10	800	1	46	46	0.2	2	0.0						
6	Pembroke	142	1002.2	0	ESE	5	38	75	7	5	2	7-8	5	1500	1004.0	+4	ESE	5	37	85	7	5	9+	9+	1500	1	38	34	-	-	0.0						
	Holyhead	26	1005.3	-2	E	5	37	85	7	5	0	0	-	1005.3	+2	E	4	36	85	8	5	5	0	0	3	2	37	35	31	-	-	2.5					
	Chester (Sealand)	16	1008.7	-4	E	1	34	85	4	5	10	10	2500	1008.8	0	E	1	31	97	6	5	5	0	0	4	2	36	31	23	Tr	Tr	0.0					
	Manchester	70	1003.2	-2	E	3	37	75	6	5	7-8	7-8	1500	1003.3	-2	E	2	32	75	5	5	5	0	0	4	4	37	31	19	-	-	0.2					
10	Spurn Head	29	1003.8	-4	ESE	4	39	75	7	5	4-6	4-6	2500	1003.7	-2	ESE	4	38	75	7	5	4	4-6	4-6	4000	0	3	40	38	19	0.1	0.1	0.6				
	Catterick	175	1011.3	-2	0	0	31	92	7	4	0	1	-	1010.7	-2	0	0	32	97	7	6	5	4	4	4	0	3	36	29	15	0.1	0.1	0.0				
	Tynemouth	108	1012.3	-6	SE	4	38	92	7	2	7-8	7-8	2500	1011.7	-4	SSE	4	40	85	8	8	5	5	5	2500	1	3	42	38	33	1	0.2	0.0				
11	St. Abbs Head	280	1011.7	-6	S	3	35	85	8	3	4-6	4-6	2500	1011.4	-2	S	2	36	85	8	8	2	7-8	10	2500	0	2	41	35	0.3	0.4	0.0					
	Leuchars	36	1011.3	-8	0	0	34	92	8	5	7-8	7-8	2500	1011.4	-2	0	0	33	92	7	5	5	9+	9+	2500	1	39	32	29	0.3	0.3	0.0					
	Renfrew (Abbots L.)	19	1011.7	-10	E	2	35	75	4	5	4-6	4-6	4000	1011.2	-2	0	0	34	97	2	5	5	9	9	4000	3	37	23	15	-	-	0.0					
	Eskdalemuir	794	1011.0	-4	0	0	26	97	7	5	2-3	2-3	800	1011.0	-4	0	0	26	97	7	5	5	2-3	2-3	800	3	37	25	19	0.1	-	2.1					
	Point of Ayre	30	1008.6	-4	SE	6	40	85	8	1	7-8	10	1500	1007.9	-2	SSE	6	40	75	8	8	5	9+	9+	1500	0	4	44	38	-	-	5.8					
13A	Three	22	1008.1	-2	SE	6	40	85	8	1	7-8	10	1500	1008.1	-2	SE	6	40	75	8	5	5	9	9	2500	0	3	41	37	34	-	-	3.7				
13B	Stornoway	80	1011.3	-10	SW	2	36	92	7	5	4-6	9	2500	1010.4	-8	SSW	2	38	85	7	5	2	2-3	10	2500	1	1	42	34	-	-	1.6					
15	Dalwhinnie	1176	1011.4	-10	S	3	32	92	7	4	6	4-6	2500	1011.4	-10	S	3	32	92	7	4	6	4-6	4-6	2500	8	33	30	25	-	-	0.0					
	Aberdeen	79	1011.4	-4	SW	1	35	92	6	5	2-3	2-3	2500	1011.4	-4	SW	1	35	92	6	5	3	2-3	2-3	2500	4	2	33	31	-	-	0.1					
	Wick	81	1011.0	-10	S	4	40	65	7	5	7	7-8	9+	1500	1003.6	-8	S	4	38	85	8	5	6	2-3	4-6	2500	1	2	40	38	-	-	0.1				
	Lerwick	156	1012.2	-12	SW	3	35	85	8	5	4-6	4-6	1500	1003.9	-10	SW	4	40	75	8	5	7	4-6	7-8	1500	3	37	32	-	-	-	4.1					
17	Blacksod Point	18	1007.6	-6	E	3	40	75	7	5	7-8	7-8	4000	1003.7	-8	ESE	3	39	65	7	1	1	0	7-8	0	4	40	36	-	-	-	0.0					
	Malin Head	84	1006.1	-10	E	4	38	75	7	5	10	10	2500	1006.5	-8	E	4	37	75	7	5	5	2-3	2-3	4000	0	2	43	35	-	-	5.5					
	Aldergrove	268	1007.7	-6	ESE	4	39	75	6	5	10	10	2500	1006.5	-8	E	4	38	75	7	5	5	Tr	Tr	2500	1	4	40	36	29	-	-	5.2				
19	Birr Castle	173	1013.8	*	SE	4	36	65	8	-	0	0	-</																								

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th January, 1940.
1 S.E. England	Wind east to southeast, light or moderate; fine today except for cloud in the West; fairly widespread fog developing tonight; cold, with frost night and morning.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind east to southeast, moderate; cloudy with occasional light drizzle locally, improving slowly; rather cold.
6 South Wales ...	
7 North Wales ...	Wind southeast to south, light or moderate; generally fine, with fog developing locally tonight; cold, with frost night and morning.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Wind south, moderate; cloudy with occasional light drizzle locally; rather cold.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind south, light to moderate; fine; cold, with frost night and morning.
13 { A.W. Scotld. B.N.W. Scot- land.	
14 Mid Scotland	Wind southwest, moderate; fair; rather cold.
15 N. E. Scotland	
16 Orkneys and Shetlands	Wind southeast to south, moderate; cloudy with occasional light drizzle locally; becoming milder.
17 N. W. Ireland	
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.

Pressure is low to the west of the British Isles, and a ridge of high pressure covers the North Sea. Weather will be fine in Eastern districts today, with fog developing fairly generally tonight. It will be cloudy in Western districts with occasional light drizzle locally. It will be generally rather cold, with frost generally night and morning except in Ireland, Wales, West Scotland and Southwest England.

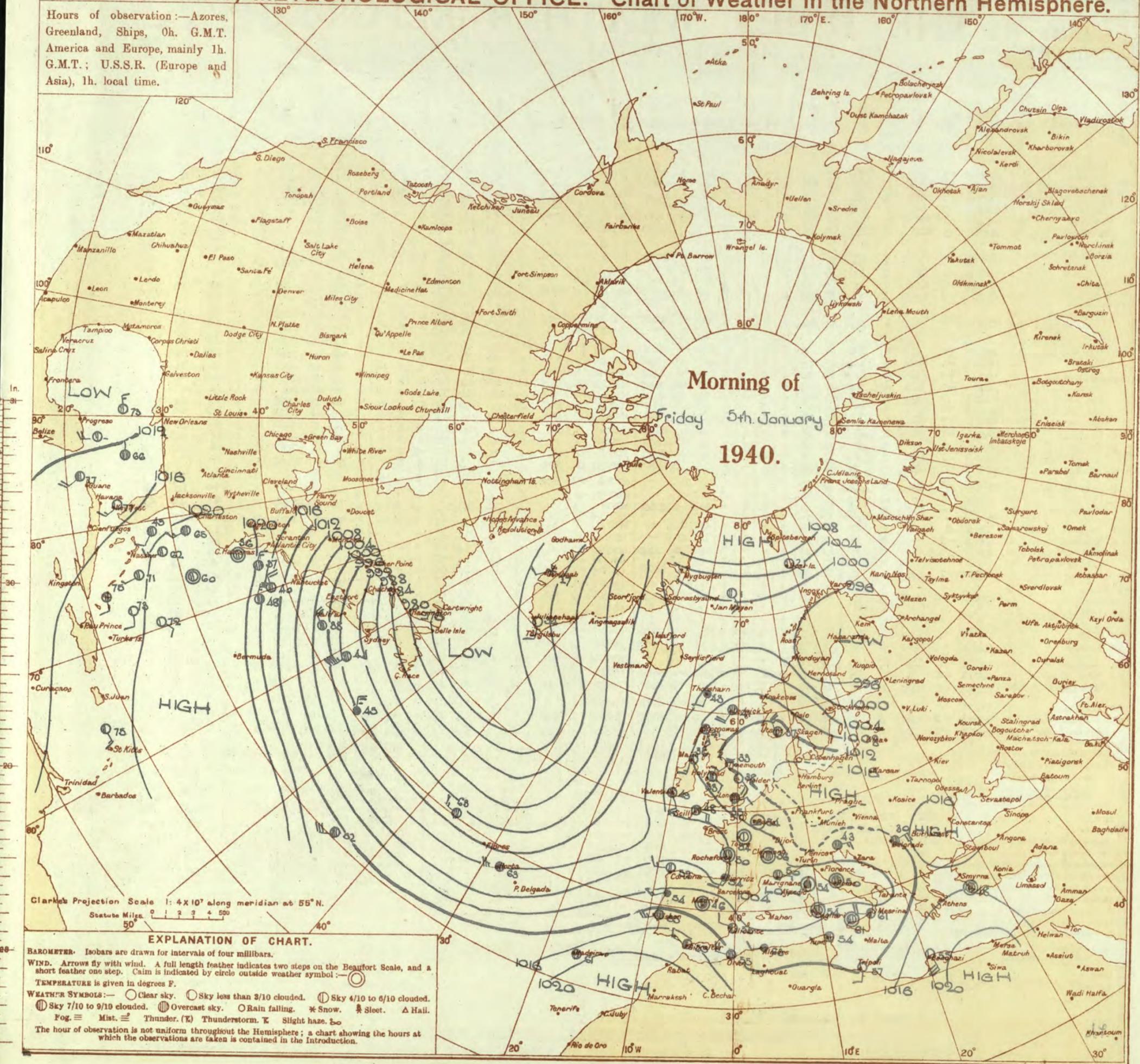
FURTHER OUTLOOK.

Remaining cold in the East; becoming slowly milder in the West.

Forecasts issued at 11.30 G.M.T. N. K. JOHNSON, D.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
Friday 5th January
1940.

Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles. 0 1 2 3 4 500

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 2/10 clouded. ○ Sky 4/10 to 6/10 clouded. ○ Sky 7/10 to 9/10 clouded. ○ Overcast sky. ○ Rain falling. * Snow. * Sleet. Δ Hail. Fog. ≡ Mist. ≡ Thunder. (K) Thunderstorm. K 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.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-columns for Wind, Cloud, Temperature, Humidity, and Visibility.

LONDON OBSERVATIONS table with columns for Weather, Temperature, Rainfall, Sunshine, Humidity, and Atmospheric Pollution.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed definitions for various weather symbols and codes used in the report.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed definitions for various weather symbols and codes used in the report.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Past 24 Hours.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Past 24 Hours.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Past 24 Hours.

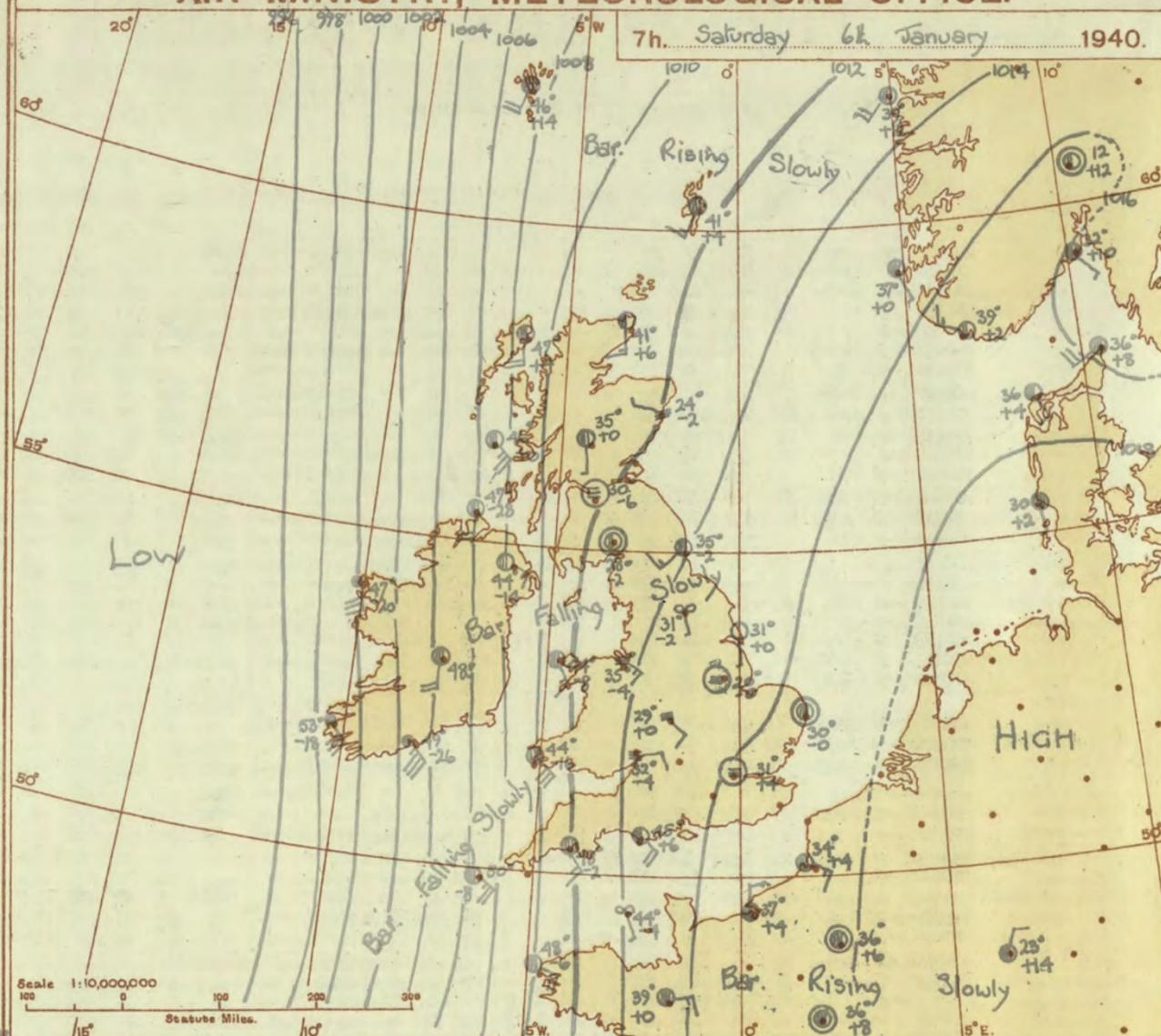
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 5th. January														OBSERVATIONS at 18h. G.M.T. 5th. January														PAST 24 HOURS.						
DISTRICT.	STATIONS. (For heights see p. 4.)	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.			Sea.	WEATHER.									
				Dirce.	Force.					Form.	Amount.	Height of Base (feet)			Form.	Amount.					Height of Base (feet)	Form.	Amount.		Height of Base (feet)	7h.-13h. 5th.	13h.-18h. 5th.	18h. to 5th. 6th.	1h.-7h. 6th.					
(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)...	1012.7	0	NE	1	36	82	1			10	10	1014.5	+2	ESE	1	33	97	1			10	10	1014.5	+2	ESE	1	33	97	1	cm, cfof	obf of	off x	off x
	Croydon ...	1012.5	0	ESE	2	35	85	2			0	0	1014.1	+10	ESE	1	31	97	2			0	0	1014.1	+10	ESE	1	31	97	2	bomb	bff	bfx	zfff x
	S. Farnborough	1012.4	-1	ESE	1	38	78	3			0	0	1013.9	+10	ESE	1	31	85	2			0	0	1013.9	+10	ESE	1	31	85	2	bfx	bfx	bfx	Fxco
	Boscombe Down	1012.3	-1	ESE	1	38	78	3			0	0	1013.7	+10	ESE	1	31	85	4			2-3	2-3	1013.7	+10	ESE	1	31	85	4	bfx	bfx	bfx	bfx
	Calshot (Soton.)	1011.9	+2	ESE	1	40	78	3			0	0	1013.1	+8	ESE	1	34	92	1			0	1	1013.1	+8	ESE	1	34	92	1	bfx	bfx	bfx	bfx
	Lympe	1013.2	+2	ESE	1	40	78	3			0	0	1014.9	+10	ESE	1	32	92	5			0	0	1014.9	+10	ESE	1	32	92	5	bfx	bfx	bfx	bfx
	Manston	1012.6	+2	ESE	1	41	78	6			0	0	1014.0	+10	ESE	1	31	97	5			0	0	1014.0	+10	ESE	1	31	97	5	bfx	bfx	bfx	bfx
2	Shoeburyness ...	1012.7	+4	NNE	2	41	85	6			0	0	1014.4	+2	ESE	1	33	92	6			0	0	1014.4	+2	ESE	1	33	92	6	bfx	bfx	bfx	bfx
	Felixstowe ...	1012.7	-6	NE	2	40	75	6			0	0	1013.8	+4	ESE	1	34	85	4			0	0	1013.8	+4	ESE	1	34	85	4	bfx	bfx	bfx	bfx
	Gorleston ...	1013.4	0	ESE	1	39	75	6			0	0	1014.7	+4	ESE	1	36	85	6			0	0	1014.7	+4	ESE	1	36	85	6	bfx	bfx	bfx	bfx
	Mildenhall ...	1013.4	0	ESE	1	38	85	6			0	0	1014.6	+8	ESE	1	28	97	5			0	0	1014.6	+8	ESE	1	28	97	5	bfx	bfx	bfx	bfx
	Cranwell ...	1013.8	+2	ESE	1	40	75	7			0	0	1014.6	+6	ESE	1	28	92	5			1	1	1014.6	+6	ESE	1	28	92	5	bfx	bfx	bfx	bfx
3	Birmingham	1013.4	+2	ESE	2	37	75	4			0	0	1014.2	+4	ESE	1	36	85	5			10	10	1014.2	+4	ESE	1	36	85	5	bfx	bfx	bfx	bfx
	Upper Heyford	1013.5	+2	ESE	2	36	85	6			0	0	1014.7	+4	ESE	1	34	92	5			2-3	2-3	1014.7	+4	ESE	1	34	92	5	bfx	bfx	bfx	bfx
4	Ross-on-Wye ...	1012.9	-4	ESE	1	37	85	5			0	0	1013.7	+4	ESE	1	33	85	4			10	10	1013.7	+4	ESE	1	33	85	4	bfx	bfx	bfx	bfx
5	Hartland Point	1011.2	-2	ESE	2	42	92	6			0	0	1011.3	+10	ESE	3	41	97	5			0	0	1011.3	+10	ESE	3	41	97	5	bfx	bfx	bfx	bfx
	Bristol ...	1012.8	0	ESE	1	38	85	4			0	0	1013.4	+0	ESE	1	36	85	4			0	0	1013.4	+0	ESE	1	36	85	4	bfx	bfx	bfx	bfx
	Portland Bill ...	1010.9	+4	ESE	4	42	92	6			0	0	1013.5	+12	ESE	4	43	92	6			10	10	1013.5	+12	ESE	4	43	92	6	bfx	bfx	bfx	bfx
	Plymouth ...	1010.6	+4	ESE	4	42	97	4			0	0	1011.5	+12	ESE	2	43	92	4			10	10	1011.5	+12	ESE	2	43	92	4	bfx	bfx	bfx	bfx
	The Lizard ...	1009.2	+4	ESE	4	48	97	7			0	0	1011.5	+12	ESE	3	48	97	7			0	0	1011.5	+12	ESE	3	48	97	7	bfx	bfx	bfx	bfx
	Scilly (St. Mary's)	1008.1	0	ESE	4	50	92	7			0	0	1009.2	+8	ESE	4	49	92	7			4-6	10	1009.2	+8	ESE	4	49	92	7	bfx	bfx	bfx	bfx
	Guernsey ...	1009.9	+2	ESE	1	47	92	6			0	0	1011.3	+8	ESE	1	45	92	6			0	2-3	1011.3	+8	ESE	1	45	92	6	bfx	bfx	bfx	bfx
6	Pembroke ...	1010.7	-2	ESE	1	44	85	6			0	0	1010.7	+8	ESE	4	42	97	6			4-6	1500	1010.7	+8	ESE	4	42	97	6	bfx	bfx	bfx	bfx
7	Holyhead ...	1011.5	-2	ESE	1	41	85	5			0	0	1011.5	+6	ESE	1	43	85	4			10	10	1011.5	+6	ESE	1	43	85	4	bfx	bfx	bfx	bfx
	Chester (Sealand)	1012.3	-4	ESE	3	36	85	5			0	0	1013.0	+6	ESE	2	37	85	4			7-8	7-8	1013.0	+6	ESE	2	37	85	4	bfx	bfx	bfx	bfx
8	Manchester ...	1012.9	-4	ESE	1	39	65	5			0	0	1013.7	+6	ESE	1	37	85	2			10	10	1013.7	+6	ESE	1	37	85	2	bfx	bfx	bfx	bfx
10	Spurn Head ...	1014.0	+2	ESE	1	42	75	8			0	0	1014.5	+4	ESE	1	36	85	7			0	0	1014.5	+4	ESE	1	36	85	7	bfx	bfx	bfx	bfx
	Catterick ...	1013.6	-2	ESE	1	32	85	5			0	0	1014.1	+4	ESE	1	33	85	5			0	0	1014.1	+4	ESE	1	33	85	5	bfx	bfx	bfx	bfx
	Tynemouth ...	1013.2	-4	ESE	3	37	92	6			0	0	1013.6	+4	ESE	3	34	92	4			4-6	4-6	1013.6	+4	ESE	3	34	92	4	bfx	bfx	bfx	bfx
11	St. Abbs Head	1011.2	-2	ESE	2	36	85	7			0	0	1012.4	+0	ESE	1	35	85	8			0	0	1012.4	+0	ESE	1	35	85	8	bfx	bfx	bfx	bfx
	Leuchars ...	1011.5	-6	ESE	1	31	85	4			0	0	1012.3	+0	ESE	1	31	92	4			4-6	4-6	1012.3	+0	ESE	1	31	92	4	bfx	bfx	bfx	bfx
12	Renfrew (Abbots L.)	1012.6	0	ESE	1	31	85	5			0	0	1012.7	+0	ESE	1	32	97	3			10	10	1012.7	+0	ESE	1	32	97	3	bfx	bfx	bfx	bfx
	Eskdalemuir ...	1012.1	-2	ESE	1	32	85	5			0	0	1012.4	+0	ESE	1	33	85	8			10	10	1012.4	+0	ESE	1	33	85	8	bfx	bfx	bfx	bfx
	Point of Ayre ...	1011.4	+2	ESE	4	41	85	5			0	0	1011.6	+2	ESE	4	41	92	5			10	10	1011.6	+2	ESE	4	41	92	5	bfx	bfx	bfx	bfx
13A	Tiree ...	1008.4	0	ESE	4	44	92	6			0	0	1008.3	+0	ESE	4	45	92	5			10	10	1008.3	+0	ESE	4	45	92	5	bfx	bfx	bfx	bfx
13B	Stornoway ...	1009.7	+2	ESE	5	43	85	6			0	0	1009.9	+0	ESE	4	45	75	6			0	0	1009.9	+0	ESE	4	45	75	6	bfx	bfx	bfx	bfx
15	Dalwhinnie ...	1011.2	-2	ESE	1	36	85	8			0	0	1012.1	+4	ESE	1	33	92	6			10	10	1012.1	+4	ESE	1	33	92	6	bfx	bfx	bfx	bfx
	Aberdeen ...	1011.2	-2	ESE	1	36	85	8			0	0	1011.3	+0	ESE	1	36	65	4			10	10	1011.3	+0	ESE	1	36	65	4	bfx	bfx	bfx	bfx
	Wick ...	1009.8	0	ESE	1	36	85	8			0	0	1009.9	+0	ESE	2	33	85	7			2-3	2-3	1009.9	+0	ESE	2	33	85	7	bfx	bfx	bfx	bfx
16	Lerwick ...	1010.1	+2	ESE	3	42	75	8			0	0	1010.4	+2	ESE	2	38	85	8			4-6	7-8	1010.4	+2	ESE	2	38	85	8	bfx	bfx	bfx	bfx
17	Blacksod Point...	1006.1	-2	ESE	3	45	92	7			0	0	1005.3	-2	ESE	4	46	92	7			7-8	7-8	1005.3	-2	ESE	4	46	92	7	bfx	bfx	bfx	bfx
18	Malin Head ...	1006.1	-4	ESE	2	43	85	7			0	0	1006.9	+6	ESE	4	43	85	7			4-6	7-8	1006.9	+6	ESE	4	43	85	7	b			

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 6th January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th January, 1940.
1 S.E. England	Wind south, moderate, becoming fresh; fog clearing this afternoon; cloudy with some rain or drizzle spreading from the Southwest tomorrow; temperature rising, becoming mild tomorrow.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind south, moderate to fresh, becoming fresh to strong; cloudy, with rain spreading from the Southwest this evening; temperature rising, becoming mild.
6 South Wales ...	
7 North Wales ...	As 1 - 4.
8 N.W. England	
9 N. Midlands ...	As 14 - 16.
10 N.E. England	
11 S.E. Scotland	Wind south, moderate to fresh, increasing to fresh to strong, with gales on coasts; cloudy, with rain spreading from the southwest tonight; temperature rising, becoming mild.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	Wind south, moderate, becoming fresh; fair today, with increasing cloud, some rain tomorrow; becoming mild.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind south, veering southsouthwest, fresh to strong, with gales on coasts; cloudy, with rain in all districts; mild.
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.

A large depression over the North Atlantic is spreading eastwards. Weather will become mild generally, and rain will spread from the southwest to all districts.

FURTHER OUTLOOK.

Mild and unsettled.

Cone hoisted at 0245 on 6/1/40 in districts 12, 13, 17 and 20. and at 0815 on 6/1/40 in district 19.

Forecasts issued at 11.30 G.M.T.

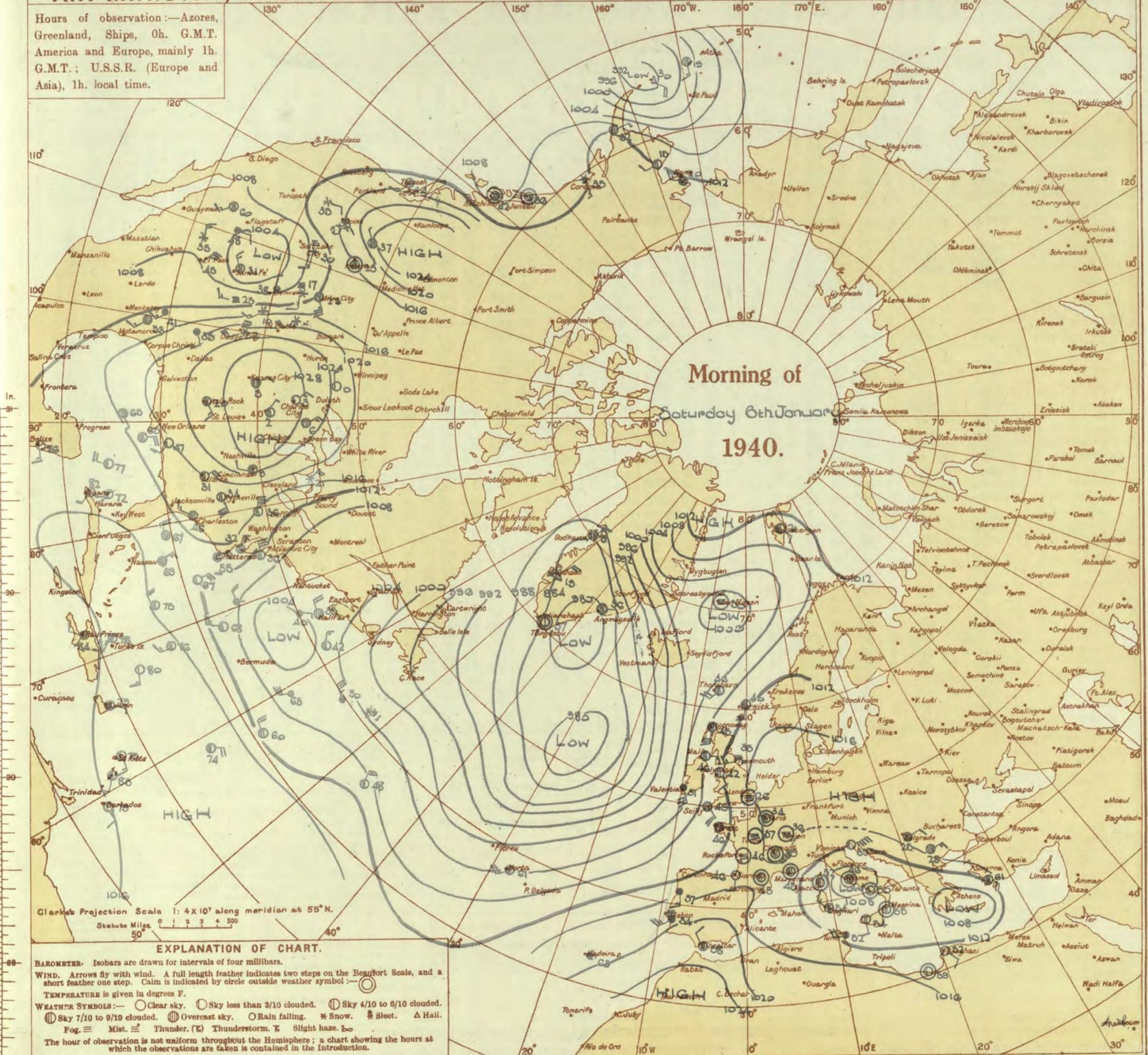
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

474/3008. W. 8105. D. 4628. Sp. 348. /40.

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.



Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500
 50°

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:—○

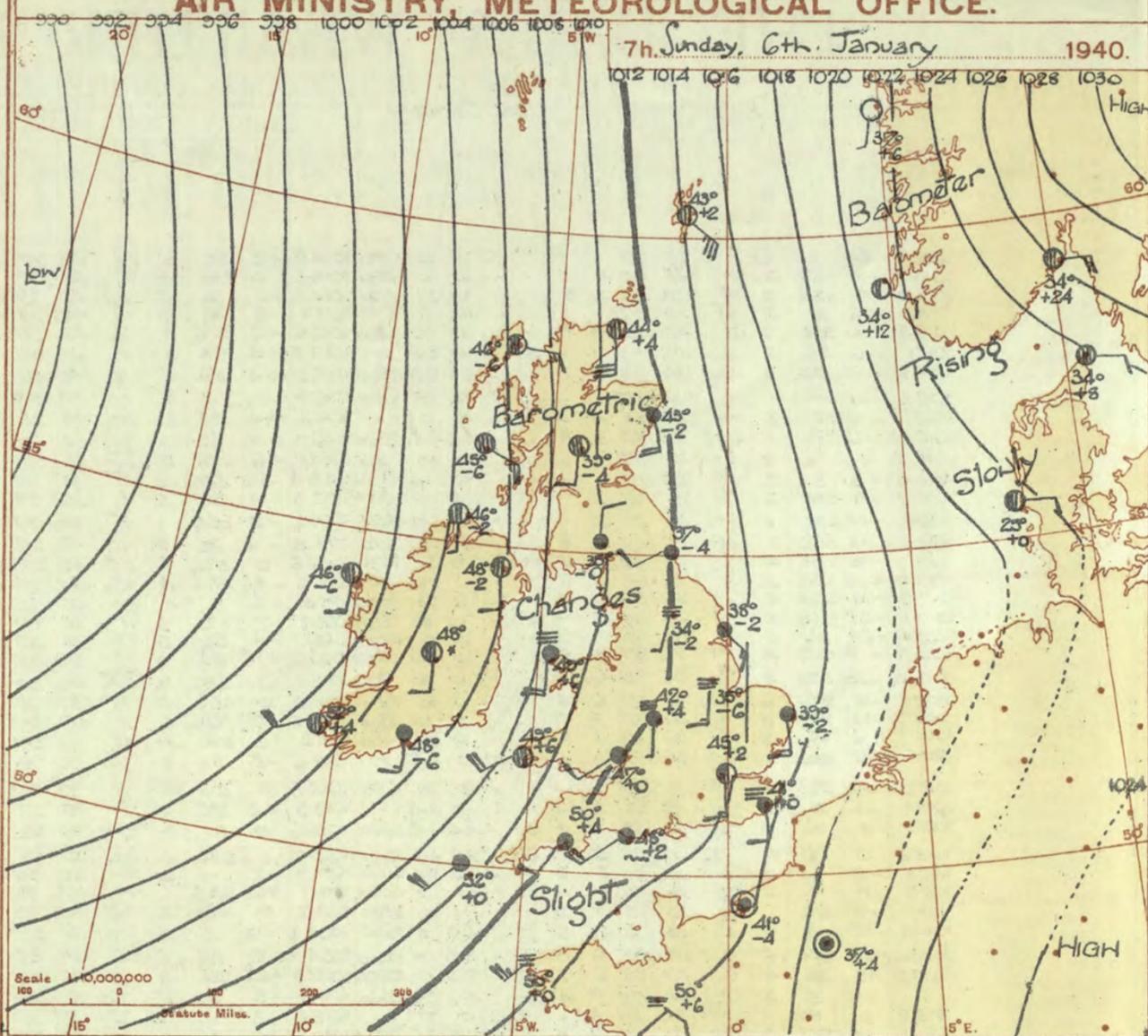
TEMPERATURE is given in degrees F.

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. ⚡ 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, METEOROLOGICAL OFFICE.

7th Sunday, 6th January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th January, 1940.
1 S.E. England	Light south to southwest wind; dull, local drizzle and fog; milder.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Moderate southwest wind; cloudy, local drizzle, bright intervals later; very mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	As 1 - 4.
9 N. Midlands ...	
10 N.E. England	Light or moderate southeast to south or southwest wind; cloudy, rain or drizzle at first, improving later but local fog; rather mild.
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 Orkneys and Shetlands	Strong south wind; cloudy, some rain; rather mild.
17 N. W. Ireland	Moderate southwest wind; bright periods, local showers; mild.
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.

Pressure is high over Russia and low over South Greenland and a trough of low pressure is crossing Great Britain. Weather will be mild and cloudy with occasional rain or drizzle and local fog. A temporary improvement will spread over western districts.

FURTHER OUTLOOK.

Unsettled and mild.

Forecasts issued at 11.30 G.M.P.

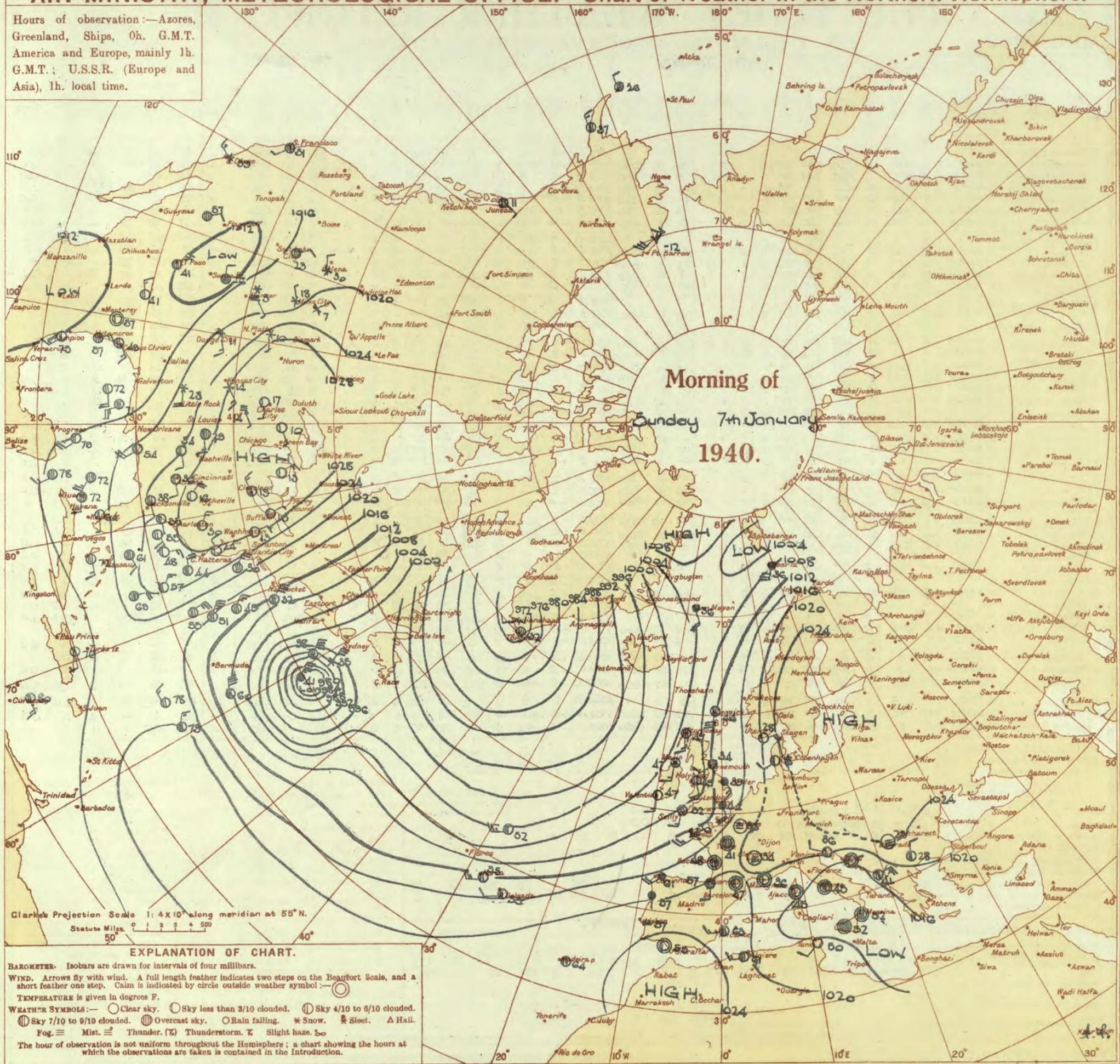
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

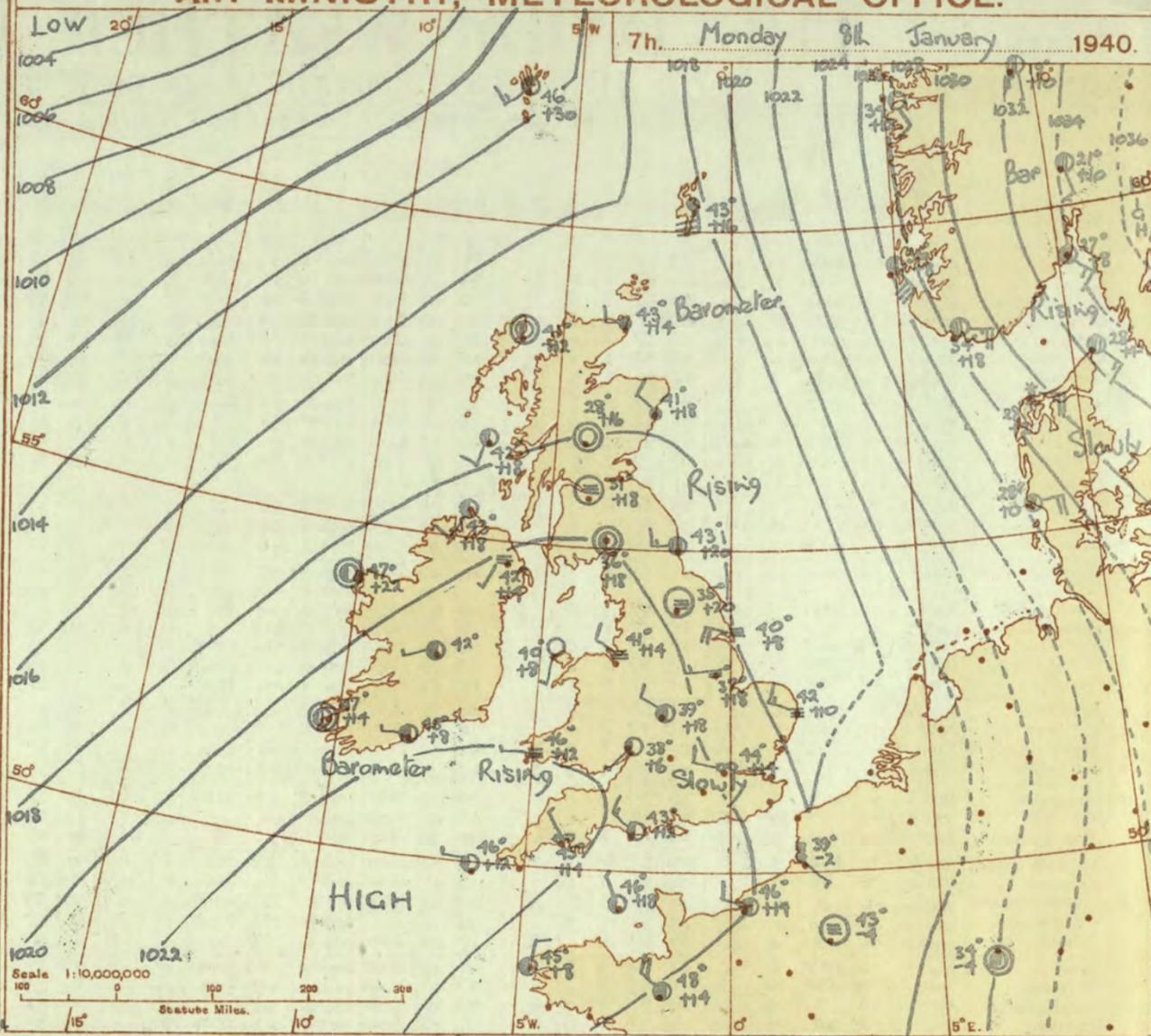
8474/3908 W. 6105 P. 4626. Sp. 348. 1/40

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, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th January, 1940.
1 S.E. England	Wind northwest, moderate, becoming variable light; fair, but rather widespread fog developing during the night; mild by day but ground frost locally tomorrow morning.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind west or variable light; fair and mild; local fog and ground frost tomorrow morning.
6 South Wales ...	
7 North Wales ...	As 1 - 4.
8 N.W. England	
9 N. Midlands ...	As 5 - 8.
10 N.E. England	
11 S.E. Scotland	Wind south, light to moderate; fair and mild.
12 S.W. Scotland & Isle of Man.	
13 { A. W. Scotid. B.N.W.Scot- land.	Wind west, light; cloudy at first, becoming fair; mild.
14 Mid Scotland	
15 N. E. Scotland	Wind south, strong to gale in Shetland at first, otherwise westerly light; cloudy with considerable rain; mild.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind southwesterly, light, becoming moderate; fair today, increasing cloud tomorrow; mild.
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 intense anticyclone is centred over West Russia and a ridge of high pressure over the British Isles is intensifying. A trough of low pressure off the East Coast is moving very slowly eastwards and is filling up. Weather will be mainly fair and mild, but with rather widespread fog and local ground frost tomorrow morning.

FURTHER OUTLOOK.

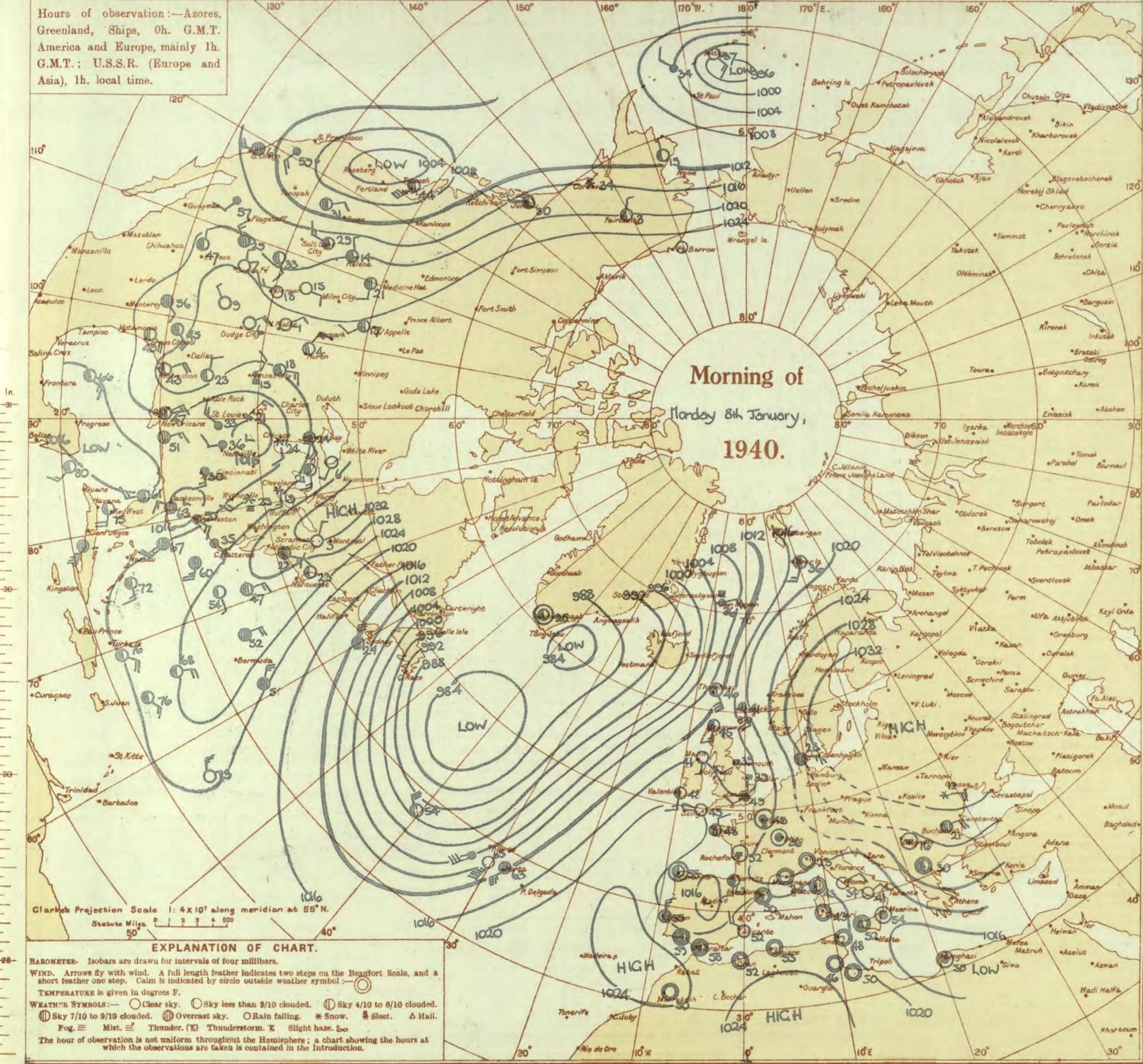
Rain in West Ireland. Quiet and foggy in the East.

Forecasts issued at 11.30 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House, S.E.1. 4474-3208 74 0119 9 4626 07 948 140

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
Monday 8th January,
1940.

Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500
50'

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. Δ 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.

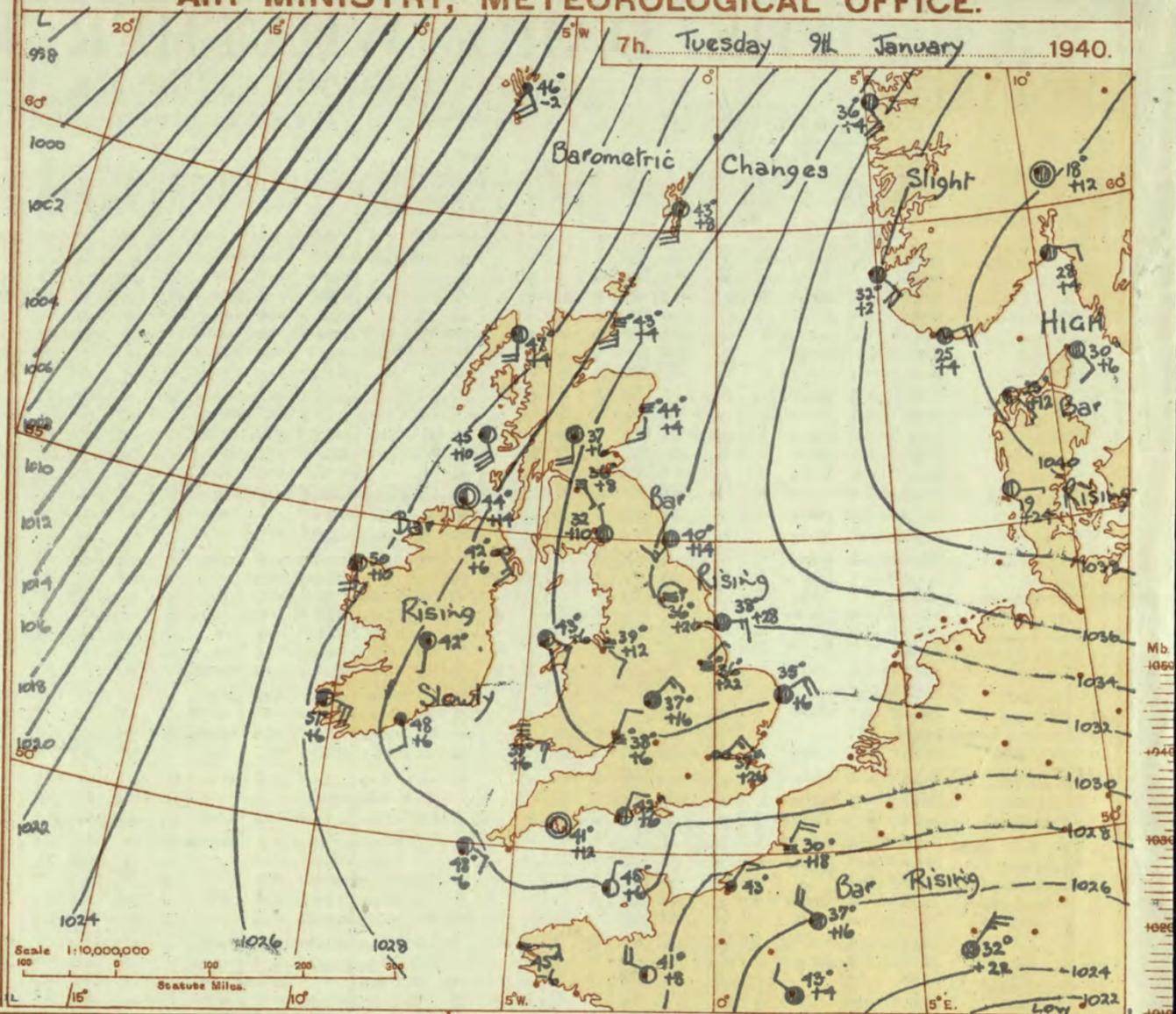
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 8th January														OBSERVATIONS at 7 hr. G.M.T. 8th January														PAST 24 HOURS.						
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				State of ground. 0-9 (29)	Sea. 0-9 (30)	TEMPERATURE.			RAINFALL.		SUNSHINE Hrs. (36)		
					Dirac. (3)	Force. (4)				Weather. (5)	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)						
1	London (Kew) ... 18	1016.3	+6	NSW	2	bc	43	37	5	10	10	1020.3	+12	N	2	bc	40	37	5	5	2-3	2-3	1500	1	1	50	40	31	0.3	6	0.0			
	Croydon ... 217	1017.3	+6	NSW	2	bc	43	37	5	10	10	1019.7	+14	NW	2	bc	44	37	5	5	10	10	1500	1	1	50	43	41	0.3	7	0.1			
	S. Farnborough ... 226	1018.1	+10	NSW	2	bc	46	37	5	10	10	1021.6	+18	NW	1	bc	35	37	5	5	1	1	450	1	1	51	34	32	0.3	2	0.0			
	Boscombe Down ... 417	1017.6	+10	NSW	2	bc	46	37	5	2-3	2-3	1500	1020.8	+18	NW	2	bc	38	37	5	5	1	1	2500	1	1	50	39	36	1	3	0.0		
	Calshot (Stmnt.) ... 8	1018.1	+10	NSW	2	bc	46	37	5	10	10	1500	1018.8	+8	NW	2	bc	45	37	4	5	10	10	220	1	1	46	44	42	1	9	0.0		
Lynpne ... 346	1018.1	+2	NSW	2	bc	45	37	5	10	10	1500	1018.6	+10	NW	4	bc	44	37	3	5	10	10	220	1	1	47	43	43	0.4	2	0.0			
Manston ... 154	1017.2	-6	NSW	3	bc	46	37	4	10	10	1500	1018.6	+10	NW	4	bc	44	37	3	5	10	10	220	1	1	47	43	43	0.4	2	0.0			
2	Shoeburyness ... 11	1016.8	+2	S	1	DR	43	37	5	10	10	1019.3	+14	NW	3	c	45	37	6	5	10	10	1500	1	1	49	42	40	Tr	7	0.0			
	Felixstowe ... 15	1017.0	+4	S	1	DR	40	37	4	10	10	1019.5	+6	NW	2	c	44	37	3	5	10	10	220	1	2	42	40	39	0.4	8	0.0			
	Gorleston ... 5	1017.0	+4	S	1	DR	40	37	4	10	10	1019.5	+6	NW	2	c	44	37	3	5	10	10	220	1	2	42	40	39	0.4	8	0.0			
	Mildenhall ... 19	1016.3	+4	SW	2	of	46	37	5	10	10	1018.8	+14	NW	2	c	40	37	4	5	10	10	1500	1	1	45	39	34	1	9	0.0			
Cranwell ... 240	1016.3	+4	SW	2	of	46	37	5	10	10	1018.8	+14	NW	2	c	40	37	4	5	10	10	1500	1	1	45	39	34	1	9	0.0				
3	Birmingham ... 535	1017.2	+6	A	1	m/f	42	37	4	0	0	1021.5	+18	NW	2	c	39	32	5	5	7	2-3	9	2500	1	1	48	38	29	0.2	0.3	0.0		
	Upper Heyford ... 408	1017.2	+6	A	1	m/f	42	37	4	0	0	1020.1	+18	NW	3	c	39	32	5	5	7	2-3	9	2500	1	1	49	38	30	0.3	3	0.0		
Ross-on-Wye ... 223	1021.2	+6	SW	1	b	38	32	7	5	5	1021.2	+6	SW	1	b	38	32	7	5	5	4	0	Tr	2500	1	1	53	35	27	0.1	-	0.7		
5	Hartland Point ... 299	1019.0	+10	NW	2	b	47	37	8	0	0	1021.5	+10	NW	2	b	47	37	6	5	7	0	0	1	2	53	46	43	1	-	0.0			
	Bristol ... 209	1016.6	+12	N	1	bif	42	37	3	0	0	1021.7	+12	N	1	b	38	37	6	5	4	1	0	1	2	53	46	43	1	-	0.0			
	Portland Bill ... 32	1018.5	+14	NW	3	bc	46	32	8	4-6	4-6	4000	1021.3	+12	NW	3	bc	45	32	8	5	4	1	0	1	53	35	26	1	2	0.0			
	Plymouth ... 82	1020.1	+8	NW	2	bc	45	37	8	2-3	2-3	2500	1022.6	+14	NW	1	bc	45	37	6	5	4	3	450	1	1	51	44	37	3	-	0.0		
	The Lizard ... 240	1020.4	+10	N	1	b	45	37	7	0	0	1022.5	+16	NW	1	b	44	37	7	6	4	3	2-3	2-3	2500	1	2	52	41	37	2	-	0.0	
Scilly (St. Mary's) ... 163	1018.5	+8	NW	2	c	43	37	8	10	10	1500	1021.2	+18	NW	1	c	46	32	7	5	7	2-3	2-3	2500	1	2	53	45	37	0.5	0.1	0.0		
Guernsey ... 175	1018.5	+8	NW	2	c	43	37	8	10	10	1500	1021.2	+18	NW	1	c	46	32	7	5	7	2-3	2-3	2500	1	2	52	45	38	0.4	1	0.0		
6	Pembroke ... 142	1016.9	+12	NW	2	b	47	37	7	0	0	1021.9	+12	N	1	b	46	37	1	1	1	10	10	1500	1	2	51	42	37	1	1	0.1		
	Holyhead ... 26	1016.0	+18	NW	3	b	47	32	6	0	0	1020.9	+8	SSE	1	b	40	37	6	5	1	2-3	2-3	2500	1	1	50	39	34	2	Tr	0.3		
7	Chester (Sealand) ... 16	1017.6	+12	NW	1	bc	42	32	6	2-3	2-3	1500	1020.7	+14	NW	2	bc	41	37	5	5	1	1	2500	1	1	48	36	31	0.1	Tr	0.7		
	Manchester ... 70	1017.3	+16	NW	2	bc	43	37	5	10	10	1500	1020.8	+18	NW	2	bc	42	37	4	5	1	1	2500	1	1	50	37	30	0.6	Tr	0.0		
10	Spurn Head ... 29	1015.6	+2	S	2	df	39	37	1	0	0	1017.6	+8	NW	4	F	40	37	1	1	1	10	10	1500	1	2	39	39	37	1	4	0.0		
	Catterick ... 175	1016.7	+20	S	0	df	35	37	7	10	10	1018.9	+8	NW	2	F	39	37	6	5	1	1	4000	5	1	37	33	29	0.1	4	0.0			
	Tynemouth ... 108	1015.8	+12	SW	2	df	39	37	3	3+	10	1500	1018.8	+20	N	3	c	43	32	6	8	1	1	1500	1	1	41	39	36	1	2	0.0		
11	St. Abbs Head ... 280	1014.2	+10	NW	2	b	44	37	6	4-6	4-6	1500	1017.3	+18	NW	3	bc	45	32	7	8	4	4-6	4-6	1500	1	2	45	39	37	1	3	0.0	
	Leuchars ... 36	1014.3	+8	N	2	b	39	37	6	10	10	4000	1018.5	+22	N	2	bc	38	32	6	5	7	0	2-3	1	1	41	36	32	7	3	0.0		
12	Renfrew (Abbots L.) ... 19	1016.2	+18	A	0	bc	37	37	1	0	0	1019.7	+18	N	0	bc	31	37	1	5	1	1	1500	1	1	41	30	27	3	2	0.0			
	Esksdalemuir ... 794	1016.6	+22	NW	2	b	44	37	8	Tr	Tr	4000	1019.8	+18	NW	0	bc	36	37	6	5	1	1	1500	1	1	42	36	31	2	8	0.0		
Point of Ayre ... 36	1016.6	+22	NW	2	b	44	37	8	Tr	Tr	4000	1020.2	+18	NW	3	bc	42	37	1	5	1	1	1500	1	2	43	36	31	1	2	0.0			
13A	Tiree ... 22	1017.6	+18	SSW	2	bc	42	37	8	2-3	2-3	2500	1017.6	+18	SSW	2	bc	42	37	8	5	1	1	2500	1	3	45	38	34	1	2	0.0		
	Stornoway ... 80	1019.2	+20	S	3	c	45	32	7	4-6	7-8	2500	1017.0	+12	N	0	bc	41	32	7	5	1	1	2500	1	0	45	41	37	7	2	0.6		
15	Dalwhinnie ... 1176	1017.8	+16	NW	2	b	41	37	7	1	1	2500	1017.8	+16	NW	2	b	41	37	7	4	4	1	1	2500	3	1	41	27	19	Tr	3	0.0	
	Aberdeen ... 79	1017.8	+16	NW	2	b	41	37	7	1	1	2500	1017.8	+16	NW	2	b	41	37	7	4	4	1	1	2500	3	1	41	27	19	Tr	3	0.0	
16	Wick ... 81	1014.0	+14	SSE	5	bc	45	37	6	2	9	10	800	1017.5	+14	N	2	bc	43	37	4	6	2	3	10	800	1	3	44	41	39	8	10	0.0
	Lerwick ... 156	1017.2	+8	SSE	8	bc	41	32	6	2	4-6	10	800	1019.0	+16	SE	7	bc	43	32	6	6	2	4-6	10	800	1	1	44	40	37	1	6	0.0
17	Blacksod Point ... 18	1015.5	+16	S	2	bc	49	85	7	4-6	4-6	1500	1018.9	+22	SSW	0	bc	47	37	7	3	1	1	1500	1	3	53	46	37	2	3	0.0		
	Malin Head ... 84	1015.3	+20	S	1	b	41	85	8	0	0	1019.1	+18	SSW	2	c	43	32	8	8	1	1	7-8	7-8	4000	0	2	51	40	37	Tr	2	0.1	
18	Aldergrove ... 268	1017.3	+16	S	1	bc	37	37	4	0	0	1020.0	+14	SSW	1	f	42	37	2	1	1	10	10	1500	1	1	50	36						

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 9th January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th January, 1940.
1 S.E. England	Wind between northeast and east, moderate; dull today, with perhaps occasional light drizzle locally; mainly fine tomorrow; temperatures below average, with frost tomorrow morning.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind east, light to moderate; cloudy, with occasional light drizzle locally; temperatures falling to below average.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Wind between east and south, light; cloudy, with occasional light drizzle and local fog patches; rather cold.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotl ^d B.N.W. Scot- land.	Wind south, moderate to fresh; cloudy, with some bright intervals; average temperature.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind between south and southeast, moderate; cloudy, with occasional light drizzle locally; average temperature.
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 extensive anticyclone centred south of Finland extends across the British Isles and pressure is low in the ICELAND area. Weather will be mainly dull, with occasional light drizzle locally, but with bright periods in Southeast England tomorrow. Temperature will be about average in Ireland and western Scotland, but will be rather cold elsewhere, with frost in Southeast England tomorrow morning.

FURTHER OUTLOOK.

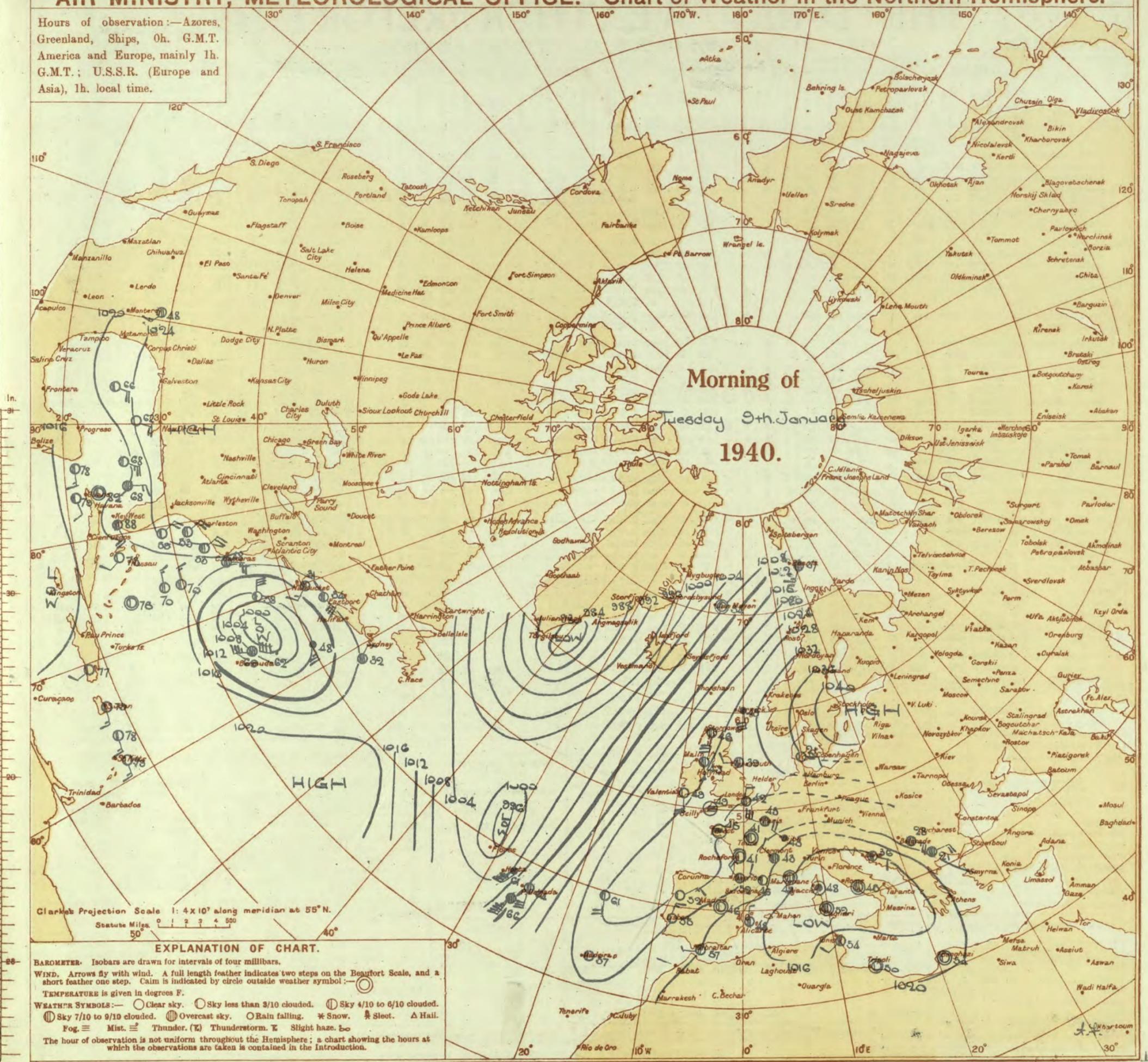
Cold and mainly fair.

Forecasts issued at 11.30 G.M.T. N. K. JOHNSON, D.Sc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House, S.E.1. 2474-3006. W. 9109. D. 4626. Sp. 548. 1/40

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.



Clark's Projection Scale 1:4 X 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

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. (⚡) 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.

Main table of weather observations at 1 hr. G.M.T. and 7 hr. G.M.T. for 9th January 1940, including stations like London (Kew), Croydon, and various coastal locations. Columns include barometric pressure, wind direction and force, temperature, humidity, cloud cover, and visibility.

LONDON OBSERVATIONS table showing data for stations like Kew, Croydon, and Greenwich from 7h-18h and 9h-18h.

Table with columns for Weather, Temperature, Rainfall, Sun-shine, Humidity, and Atmospheric Pollution, providing detailed data for the day.

EXPLANATION OF FIGURES, LETTERS, etc. section defining codes for barometric tendency, surface visibility, wind scale, and state of sea.

FOREIGN OBSERVATIONS table for stations in Paris, Brussels, Berlin, Zurich, and Rome.

Table with columns for 18h G.M.T., 7h G.M.T., and Past 24 Hours, showing weather and temperature data for the day.

Table with columns for Beaufort No., Statute m/h., and Rainfall, providing additional weather metrics.

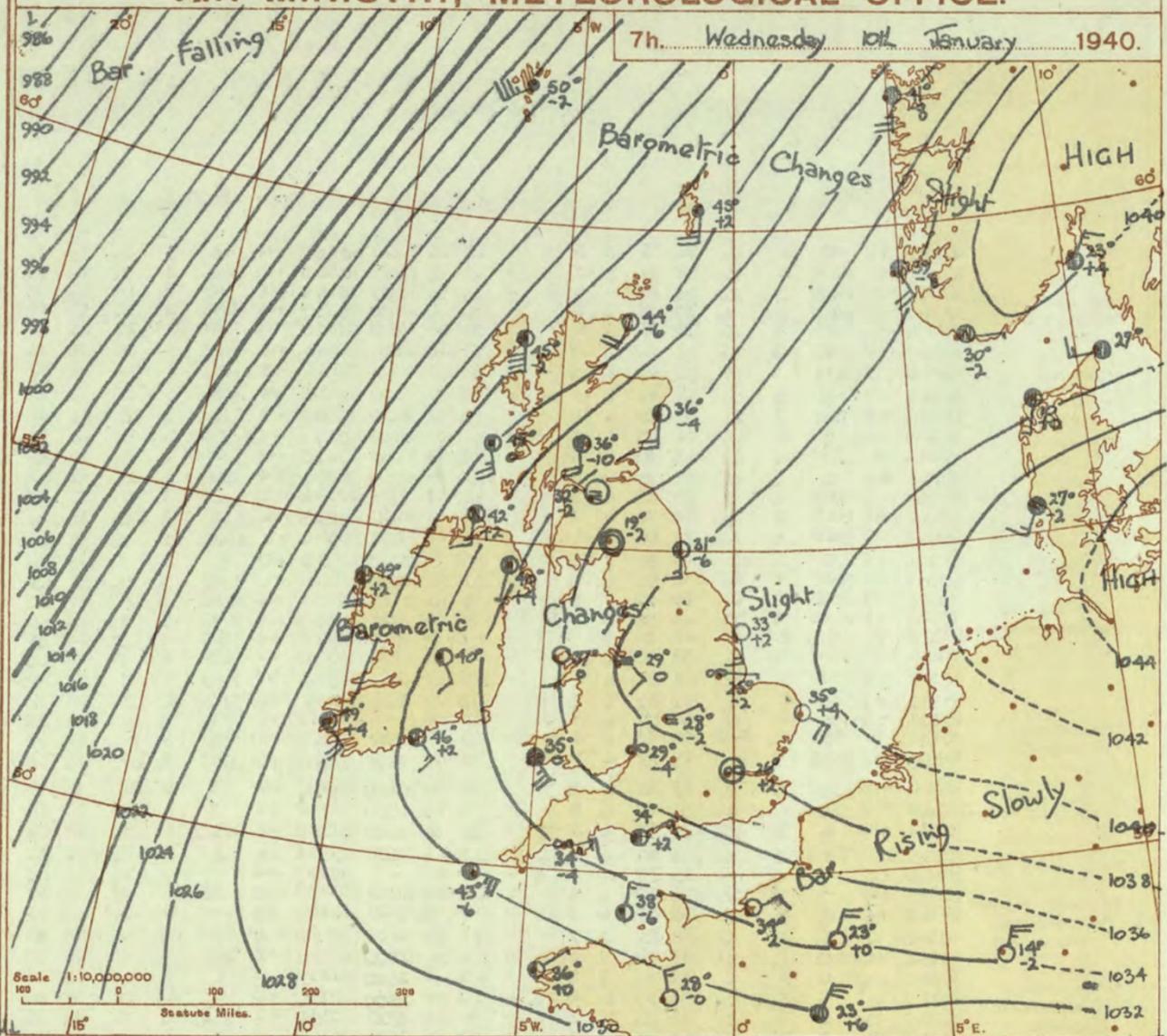
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 5th January														OBSERVATIONS at 18h. G.M.T. 5th January														PAST 24 HOURS.					
DISTRICT.	STATIONS. (For heights see p. 4.)	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.			Sea.	WEATHER.								
				Form.	Amount.					Height of Base (feet)	Form.	Amount.			Height of Base (feet)	Form.					Amount.	Height of Base (feet)	7h-18h. 5th		13h-18h. 5th	18h-10h. to 1st 10th	1h-7h. 10th						
(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)...	1034.3	+6	NE	4	N	36	75	5	5	10	10	1500	1036.7	+4	NE	3	Z	34	75	5	5	10	10	1500	1	1	cm.	cm.	cm.	cm.		
	Croydon ...	1034.1	+6	NE	3	N	35	85	5	5	10	10	1500	1035.5	+10	NE	3	Z	33	85	5	5	10	10	1500	1	1	cm.	cm.	cm.	cm.		
	S. Farnborough	1034.4	+6	NE	3	N	35	85	5	5	10	10	1500	1036.1	+6	NE	2	Z	34	85	4	5	10	10	1500	1	1	cm.	cm.	cm.	cm.		
	Boscombe Down	1034.2	+6	NE	3	N	35	85	5	5	10	10	1500	1035.7	+4	NE	3	Z	32	85	4	5	10	10	1500	1	1	cm.	cm.	cm.	cm.		
	Calshot (Soton.)	1033.1	+6	NE	3	N	35	85	5	5	10	10	1500	1034.5	+4	NE	3	Z	35	85	5	5	10	10	1500	1	2	cm.	cm.	cm.	cm.		
	Lymington	1033.4	+6	NE	3	N	32	82	5	5	10	10	450	1035.3	+0	NE	4	Z	30	85	6	5	10	10	0	1	3	cm.	cm.	cm.	cm.		
	Manston	1034.5	+2	E	2	N	32	87	4	5	10	10	220	1035.6	+8	E	2	Z	33	85	5	5	2-3	2-3	800	1	3	cm.	cm.	cm.	cm.		
2	Shoeburyness ...	1034.5	+8	NE	3	C	35	85	6	5	10	10	1500	1035.8	+4	ENE	3	C	34	85	6	5	4-6	4-6	1500	1	2	cm.	cm.	cm.	cm.		
	Felixstowe ...	1034.3	+10	EN	3	C	34	85	6	5	3	3	800	1035.5	+8	E	3	b	36	85	6	5	Tr	Tr	1500	1	2	cm.	cm.	cm.	cm.		
	Gorleston ...	1036.0	+10	E	4	C	34	75	6	5	3	3	2500	1037.7	+4	E	5	b	36	75	7	5	0	0	0	0	3	c	cbcbq	bbcq	cbcb		
	Mildenhall ...	1035.4	+6	EN	4	C	35	85	7	5	7-8	7-8	1500	1037.5	+4	EN	2	b	32	85	6	5	7-8	7-8	1500	1	1	cm.	cm.	cm.	cm.		
	Cranwell ...	1035.8	+10	E	2	C	35	85	7	5	9	9	1500	1037.3	+4	ESE	1	Z	32	82	6	5	3	3	1500	1	1	cm.	cm.	cm.	cm.		
3	Birmingham	1035.4	+2	ENE	2	Z	35	85	5	5	10	10	800	1036.6	+4	E	3	0	32	85	5	5	10	10	800	1	1	cm.	cm.	cm.	cm.		
	Upper Heyford	1035.1	+10	NEE	2	Z	34	92	6	5	10	10	1500	1036.9	+6	E	2	Z	31	82	6	5	10	10	1500	1	1	cm.	cm.	cm.	cm.		
4	Ross-on-Wye ...	1034.2	+4	NEE	3	Z	37	85	3	5	10	10	800	1035.8	+6	ENE	2	Z	33	85	5	5	10	10	800	1	1	cm.	cm.	cm.	cm.		
5	Hartland Point	1032.6	+4	E	3	Z	40	92	7	5	7-8	7-8	500	1033.8	+0	E	3	C	38	85	7	5	6	6	2500	1	2	bc	c	c	etc		
	Bristol ...	1034.5	+6	NNE	2	C	38	92	6	5	10	10	1500	1036.8	+6	ENE	3	Z	35	85	6	5	10	10	1500	1	1	cm.	cm.	cm.	cm.		
	Portland Bill ...	1033.4	+8	ENE	3	C	39	92	7	5	10	10	2500	1035.1	+6	ENE	3	Z	37	82	7	5	10	10	2500	1	2	c	cm.	cm.	cm.		
	Plymouth ...	1032.5	+6	ENE	3	C	43	85	4	5	9	9	800	1033.9	+8	E	2	Z	40	82	5	5	10	10	1500	1	1	cm.	cm.	cm.	cm.		
	The Lizard ...	1032.2	0	E	3	C	46	85	8	2	7-8	3	1500	1032.9	+6	E	4	C	43	85	6	8	2	7-8	10	1500	0	2	c	cm.	cm.	cm.	
	Scilly (St. Mary's)	1034.5	0	EN	2	C	48	82	8	5	9	9	1500	1032.0	+6	E	4	C	46	85	7	5	3	7-8	9	1500	1	2	c	c	c	c	
	Guernsey ...	1031.0	+2	NE	3	Z	42	85	5	5	10	10	800	1032.3	+0	NEE	3	C	41	85	7	8	10	10	2500	1	3	bc	bc	bc	bc		
6	Pembroke ...	1033.3	+8	SE	4	C	42	92	6	5	10	10	1500	1033.7	+6	SE	4	0	40	85	6	5	10	10	1500	1	2	cm.	cm.	cm.	cm.		
	Holyhead ...	1033.3	-2	E	1	C	44	92	6	7	10	0	3	1034.1	+6	SW	2	C	40	92	4	5	7-8	7-8	1500	1	1	cm.	cm.	cm.	cm.		
	Chester (Sealand)	1035.1	0	ESE	2	Z	40	85	5	5	10	10	1500	1026.8	+10	SE	3	m	35	75	4	5	10	10	1500	1	1	cm.	cm.	cm.	cm.		
8	Manchester ...	1035.9	+6	ESE	2	Z	39	85	4	5	10	10	2500	1036.9	+6	ESE	2	bf	33	85	3	5	0	0	0	1	1	cm.	cm.	cm.	cm.		
10	Spurn Head ...	1026.5	+10	SE	3	C	37	85	6	5	9	9	2500	1038.0	+6	SE	3	bc	36	85	6	5	2-3	2-3	4000	0	2	c	bc	bc	bc		
	Catterick ...	1026.9	+10	SE	1	Z	37	85	6	5	7-8	7-8	4000	1037.8	+2	S	1	Z	33	85	6	5	9	3	3000	1	3	cm.	cm.	cm.	cm.		
	Tynemouth ...	1037.4	+10	S	3	C	39	85	6	5	9	9	2500	1038.0	+8	SSW	3	bc	36	92	5	5	2-3	2-3	2500	1	1	oc	bc	bc	bc		
11	St. Abbs Head	1033.5	0	S	4	Z	38	82	6	4	6	6	1500	1035.4	+4	S	5	bc	36	82	5	4	2-3	2-3	2500	0	2	cm.	cm.	cm.	cm.		
	Leuchars ...	1034.0	+2	0	0	C	39	87	4	5	0	9	1035.2	+4	0	0	0	36	82	6	7	0	4	6	1	1	cm.	cm.	cm.	cm.			
	Renfrew (Abbots L.)	1034.7	+6	0	0	C	36	87	3	5	9	9	1500	1035.7	+10	SE	1	0	36	97	3	5	10	10	1500	1	1	cm.	cm.	cm.	cm.		
	Eskdalemuir ...	1034.9	+4	3	1	0	35	87	6	5	10	10	1150	1035.6	+6	0	0	35	87	5	5	10	10	220	1	1	cm.	cm.	cm.	cm.			
	Point of Ayre ...	1034.0	0	3	4	0	43	85	7	5	9	9	1500	1034.5	+4	SSE	5	Z	40	85	4	5	9	9	800	1	3	cz	cz	cm.	0		
	Three ...	1029.4	+2	SSE	6	C	45	82	7	5	9	9	2500	1030.0	+2	SSE	6	C	46	82	7	5	10	10	1500	0	5	c	c	c	c		
13A	Stornoway ...	1028.9	+20	S	5	C	46	85	8	5	4-6	10	2500	1028.4	-2	S	7	pr	46	85	6	5	9	10	1500	1	3	cpr	cpr	cpr	cpr		
15	Dalwhinnie ...	1033.2	0	3	5	C	38	87	8	4	5	3	2500	1034.7	+10	S	4	bc	36	92	7	4	6	2-3	2-3	2500	1	1	c	c	c	c	
	Aberdeen ...	1033.7	0	3	3	C	43	85	6	5	3	3	800	1034.6	+2	SW	3	C	41	85	6	5	7	8	2500	1	2	c	c	c	c		
	Wick ...	1030.5	0	3	4	C	44	85	7	5	7	7	10	1031.0	0	S	3	C	45	85	7	5	7	8	2500	1	2	cm.	cm.	cm.	cm.		
16	Lerwick ...	1031.3	0	S	6	C	44	85	6	8	7-8	10	800	1031.2	-4	SW	6	C	45	85	6	5	2	7-8	10	800	1	1	bc	cm.	c	cir	
17	Blacksod Point...	1026.0	-2	SSE	4	C	50	85	9	7	0	7-8	1027.8	+10	SSE	4	C	49	85	8	7	0	7-8	0	0	0	0	0	c	c	bc	c	
	Malin Head ...	1028.5	+8	S	4	C	46	85	8	5	4	2-3	7-8	5700	1029.4	+4	S	4	C	45	83	7	8	7	2-3	9	2500	0	0	c	c	bc	c
	Aldergrove ...	1032.5	+2	SE	3	Z	46	92	6	5	9	10	1500	1033.5	+10	SE	3	Z	43	92	6	5	2	4-6	9	1500	1	1	cm.	cm.	cm.	cm.	
19	Birr Castle ...	1034.2	* +5	S	2	C	46	92	8	5	4-6	10	2500	1034.5	* +4	SSE	2	bc	45	92	8	5	4	2-3	4-6	2500	1	1	c	bc	b	bbc	
	Valentia Obay. †	1029.6	+6	SE	3	C	51	85	9	7	2-3	9																					

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday 10th January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th January, 1940.	
1 S.E. England	Light east to southeast wind; fine; local fog night and morning; rather cold during day, sharp night frost.	
2 E. England ...		
3 E. Midlands ...		
4 W. Midlands ...		
5 S.W. England	Light or moderate east to southeast wind, fresh locally on coast; fine or fair; rather cold, night frost inland.	
6 South Wales ...		
7 North Wales ...		
8 N.W. England	Light or moderate south wind; fine; local fog, becoming more general on low ground later; cold, sharp night frost.	
9 N. Midlands ...		
10 N.E. England	Moderate or light south or southwest wind, fair; rather cold.	
11 S.E. Scotland		
12 S.W. Scotland & Isle of Man.	Strong south to southwest wind, gale locally; cloudy, slight local rain; rather mild.	
13 { A.W.Scotld. B.N.W.Scotland.		
14 Mid Scotland		As 11 - 12.
15 N. E. Scotland		As 13.
16 Orkneys and Shetlands	Moderate or fresh south wind; cloudy, bright intervals locally; average temperature.	
17 N. W. Ireland		
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.

A large anticyclone extending from Russia to England is moving slowly south, while pressure is low off West ICELAND and is falling all over the far North. Over most of the country weather will be fair with sharp night frost but in the extreme Northwest and North there will be a south-southwest gale and slight local rain.

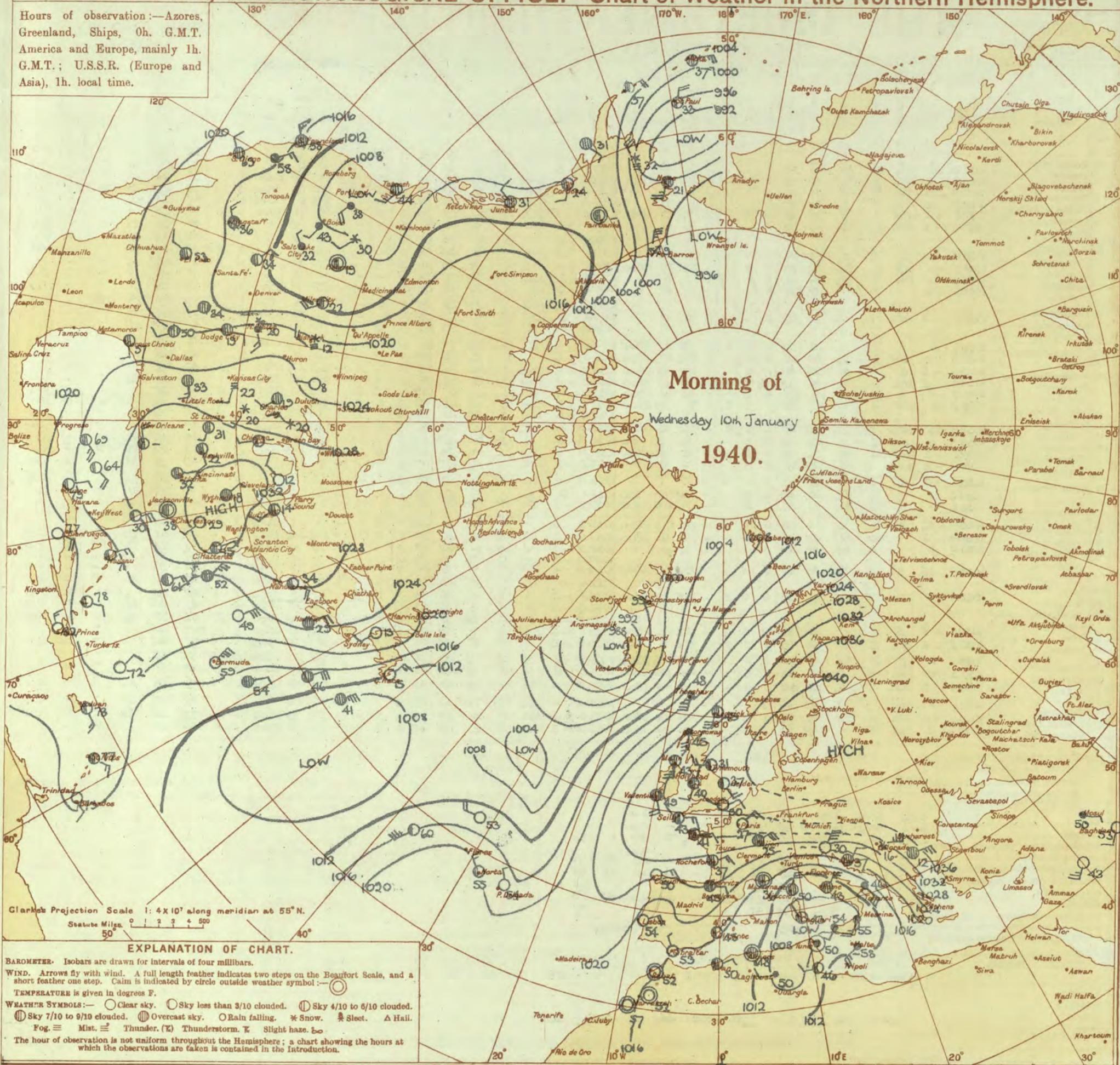
FURTHER OUTLOOK.

Not much change, but increasing tendency for fog in the Midlands, East and Southeast of England.

Forecasts issued at 11.30 G.M.T.
 N. K. JOHNSON, D.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
Wednesday 10th January
1940.

Clarke's Projection Scale 1:4X10⁷ along meridian at 55° N.
Statute Miles. 0 1 2 3 4 500
50

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 inside weather symbol.

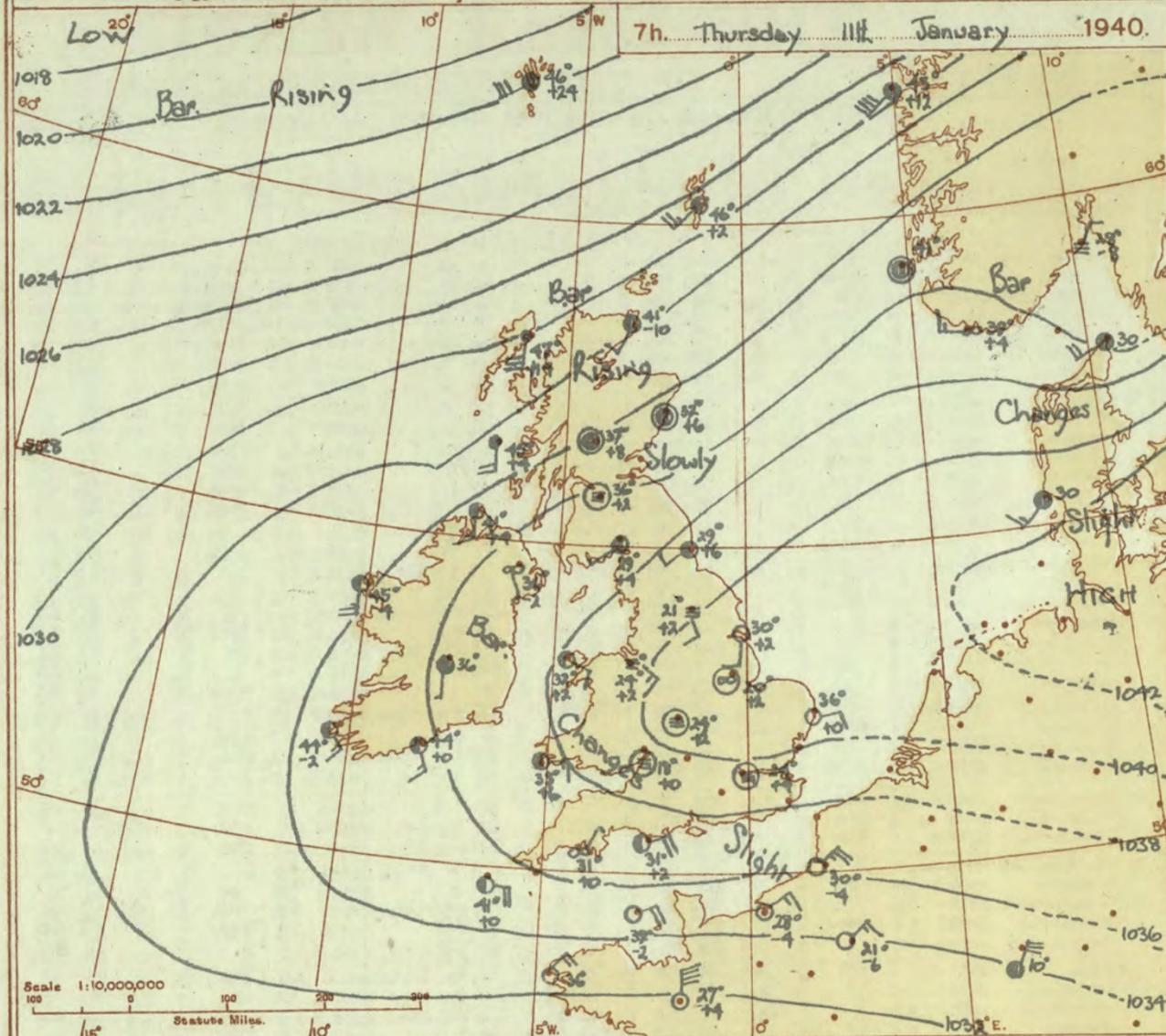
TEMPERATURE is given in degrees F.

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. △ 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.

OBSERVATIONS at 13h. G.M.T. 10th January														OBSERVATIONS at 18h. G.M.T. 10th January														PAST 24 HOURS.							
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	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.	WEATHER.							
				Dir.	Force.					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 11h. 11th	1h.—7h. 11th					
		mb.		(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) .. 57.7	-4	m	m	0	34	85	4	-	-	-	-	-	-	1038.6	+6	m	m	3	31	85	4	-	-	-	-	-	-	3	*	bmxbm	bzxy	bbefx	bmox	
	Croydon ... 57.5	-6	m	m	0	35	85	4	-	-	-	-	-	-	1038.6	+6	m	m	3	31	85	4	-	-	-	-	-	-	3	*	bm	bngbem	bczbfm	bfmfx	
	S. Farnborough 57.5	-6	m	m	0	35	85	4	-	-	-	-	-	-	1038.6	+6	m	m	3	31	85	4	-	-	-	-	-	-	3	*	bm	bngbem	bczbfm	bfmfx	
	Boscombe Down 57.1	-4	m	m	0	35	85	4	-	-	-	-	-	-	1038.6	+6	m	m	3	31	85	4	-	-	-	-	-	-	3	*	bm	bngbem	bczbfm	bfmfx	
	Calshot (Soton) 56.4	-4	m	m	0	37	75	6	-	-	-	-	-	-	1037.1	+6	m	m	2	28	75	6	-	-	-	-	-	-	3	*	bm	bngbem	bczbfm	bfmfx	
	Lympne .. 58.0	-4	m	m	0	38	45	7	-	-	-	-	-	-	1038.5	+2	m	m	2	28	75	6	-	-	-	-	-	-	3	*	bm	bngbem	bczbfm	bfmfx	
	Manston .. 58.5	-2	m	m	0	38	45	7	-	-	-	-	-	-	1038.5	+2	m	m	2	28	75	6	-	-	-	-	-	-	3	*	bm	bngbem	bczbfm	bfmfx	
2	Shoeburyness .. 58.6	+2	m	m	0	35	85	7	-	-	-	-	-	-	1035.2	+6	m	m	2	31	85	7	-	-	-	-	-	-	3	*	b	b	bx	bx	
	Felixstowe .. 58.6	-2	m	m	0	36	85	7	-	-	-	-	-	-	1038.7	-2	m	m	2	34	85	7	-	-	-	-	-	-	-	3	*	b	b	bx	bx
	Gorleston .. 40.0	+2	m	m	0	36	85	7	-	-	-	-	-	-	1040.4	0	m	m	3	35	75	7	-	-	-	-	-	-	0	3	by	bybc	bc b	b	
	Mildenhall .. 53.0	-2	m	m	0	37	85	7	-	-	-	-	-	-	1039.5	+4	m	m	2	29	85	6	-	-	-	-	-	-	1	*	bmxbm	cmgbc	bczbfm	bc, bmx	
	Cranwell .. 58.7	-6	m	m	0	35	85	6	-	-	-	-	-	-	1038.4	+4	m	m	2	28	82	6	-	-	-	-	-	-	1	*	bmxbm	cmgbc	bczbfm	bc, bmx	
3	Birmingham .. 58.0	-2	m	m	0	32	85	5	-	-	-	-	-	-	1038.7	+4	m	m	2	32	85	4	-	-	-	-	-	-	3	*	bmxbm	cmgbc	bczbfm	bc, bmx	
	Upper Heyford .. 57.6	-6	m	m	0	33	75	6	-	-	-	-	-	-	1039.1	+8	m	m	1	28	85	5	-	-	-	-	-	-	1	*	bmxbm	cmgbc	bczbfm	bc, bmx	
4	Ross-on-Wye .. 57.3	-4	m	m	0	33	85	6	-	-	-	-	-	-	1038.2	+4	m	m	1	28	85	5	-	-	-	-	-	-	3	*	bmxbm	cmgbc	bczbfm	bc, bmx	
5	Hartland Point 54.3	0	m	m	0	34	85	6	-	-	-	-	-	-	1034.8	+6	m	m	3	34	85	6	-	-	-	-	-	-	1	*	bmxbm	cmgbc	bczbfm	bc, bmx	
	Bristol ... 57.3	-8	m	m	0	33	75	6	-	-	-	-	-	-	1038.2	+6	m	m	3	28	85	4	-	-	-	-	-	-	2	bc	bc	b	bxy		
	Portland Bill .. 54.4	-2	m	m	0	38	85	6	-	-	-	-	-	-	1035.9	+2	m	m	3	38	85	7	-	-	-	-	-	-	3	*	bmxbm	cmgbc	bczbfm	bc, bmx	
	Plymouth .. 54.5	-4	m	m	0	38	75	6	-	-	-	-	-	-	1035.4	+6	m	m	3	37	85	5	-	-	-	-	-	-	4	bc	bc	b	bc		
	The Lizard .. 53.3	-6	m	m	0	47	75	6	-	-	-	-	-	-	1033.8	+2	m	m	3	42	85	7	-	-	-	-	-	-	1	*	bmxbm	cmgbc	bczbfm	bc, bmx	
	Soilly (St. Mary) 52.3	+2	m	m	0	47	75	7	-	-	-	-	-	-	1032.5	+6	m	m	3	43	85	7	-	-	-	-	-	-	2	bc	bc	bc	bc		
	Guernsey .. 52.8	-2	m	m	0	40	85	7	-	-	-	-	-	-	1033.5	+6	m	m	3	38	85	7	-	-	-	-	-	-	1	*	bc	bc	bc	bc	
6	Pembroke .. 55.6	+2	m	m	0	37	85	6	-	-	-	-	-	-	1035.8	0	m	m	4	37	85	6	-	-	-	-	-	-	1	2	bc	bc	bc	bc	
7	Holyhead .. 56.1	-2	m	m	0	42	85	4	-	-	-	-	-	-	1036.5	+2	m	m	2	36	75	6	-	-	-	-	-	-	1	2	bc	bc	bc	bc	
	Chester (Sealand) 57.7	+2	m	m	0	32	85	4	-	-	-	-	-	-	1038.3	+6	m	m	2	36	75	6	-	-	-	-	-	-	1	2	bc	bc	bc	bc	
8	Manchester .. 58.6	-6	m	m	0	37	85	5	-	-	-	-	-	-	1038.5	0	m	m	1	29	75	4	-	-	-	-	-	-	3	*	bmxbm	cmgbc	bczbfm	bc, bmx	
10	Spurn Head .. 53.4	+2	m	m	0	37	75	6	-	-	-	-	-	-	1035.9	0	m	m	3	35	75	7	-	-	-	-	-	-	0	2	bc	bc	bc	bc	
	Catterick .. 58.8	-2	m	m	0	29	97	2	-	-	-	-	-	-	1038.6	-2	m	m	2	27	97	2	-	-	-	-	-	-	-	3	2	bc	bc	bc	bc
	Tynemouth .. 58.0	-4	m	m	0	33	85	4	-	-	-	-	-	-	1038.2	+2	m	m	3	31	85	4	-	-	-	-	-	-	-	3	1	bc	bc	bc	bc
11	St. Abbs Head 55.3	-4	m	m	0	34	85	6	-	-	-	-	-	-	1036.1	+2	m	m	2	33	75	6	-	-	-	-	-	-	-	0	2	bc	bc	bc	bc
	Leuchars .. 55.3	0	m	m	0	35	85	6	-	-	-	-	-	-	1035.3	+4	m	m	2	35	92	4	-	-	-	-	-	-	-	3	2	bc	bc	bc	bc
12	Renfrew (Abbots L.) 56.1	-2	m	m	0	34	92	6	-	-	-	-	-	-	1036.1	+2	m	m	1	36	92	6	-	-	-	-	-	-	-	1	*	bc	bc	bc	bc
	Eskdalemuir .. 56.7	-2	m	m	0	31	75	6	-	-	-	-	-	-	1037.1	+2	m	m	1	28	85	5	-	-	-	-	-	-	-	3	*	bc	bc	bc	bc
	Point of Ayre .. 56.5	-6	m	m	0	39	85	6	-	-	-	-	-	-	1036.3	+2	m	m	4	39	85	7	-	-	-	-	-	-	0	2	bc	bc	bc	bc	
13A	Tiree ... 53.0	-2	m	m	0	46	85	7	-	-	-	-	-	-	1031.4	+2	m	m	5	45	92	7	-	-	-	-	-	-	0	4	bc	bc	bc	bc	
13B	Stornoway .. 52.1	0	m	m	0	46	75	6	-	-	-	-	-	-	1028.2	+8	m	m	7	47	75	7	-	-	-	-	-	-	-	1	4	bc	bc	bc	bc
15	Dalwhinnie .. 55.3	-2	m	m	0	37	85	6	-	-	-	-	-	-	1034.4	+2	m	m	5	36	85	6	-	-	-	-	-	-	-	0	1	bc	bc	bc	bc
	Aberdeen .. 52.6	-4	m	m	0	38	85	6	-	-	-	-	-	-	1032.5	-2	m	m	3	37	85	5	-	-	-	-	-	-	-	1	1	bc	bc	bc	bc
	Wick ... 52.4	-6	m	m	0	44	85	7	-	-	-	-	-	-	1029.7	+4	m	m	3	44	92	6	-	-	-	-	-	-	-	1	1	bc	bc	bc	bc
16	Lerwick... .. 52.8	-2	m	m	0	46	92	6	-	-	-	-	-	-	1029.0	-4	m	m	4	44	92	6	-	-	-	-	-	-	-	1	1	bc	bc	bc	bc
17	Blacksod Point 52.3	0	m	m	0	49	85	8	-	-	-	-	-	-	1050.8	+10	m	m	4	48	85	7	-	-	-	-	-	-	0	3	bc	bc	bc	bc	
18	Malin Head .. 51.4	-2	m	m	0	44	85	6	-	-	-	-	-	-	1032.7	+6	m	m	3	41	85	6	-	-	-	-	-	-	0	4	bc	bc	bc	bc	
	Aldergrove .. 54.5	-2	m	m	0	42	85	6	-	-	-	-	-	-	1035.1	+8	m	m	2	40	85	6	-	-	-	-	-	-	1	*	bc	bc	bc	bc	
19	Birr Castle .. 53.6	*	m	m	0	44	85	7	-	-	-	-	-	-	1034.5	*	m	m	1	41	85	7	-	-	-	-	-	-	1	1	bc	bc	bc	bc	

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th January, 1940.
1 S.E. England	Wind easterly, moderate, freshening slowly; fine; cold with persistent frost in places.
2 E. England ...	Light southeast winds; fine apart from some local fog tending to persist; cold, frosty.
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	Wind easterly, moderate, freshening on the coast; fair or fine; cold; sharp night frost.
7 North Wales ...	Light south to southwest wind; fine; local fog tending to persist in places; cold; frosty.
8 N.W. England ...	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Light southerly wind; fair; local fog; rather cold; night frost.
12 S.W. Scotland & Isle of Man.	
13 A.W. Scotland & B.N.W. Scotland.	As 17.
14 Mid Scotland	Wind south to southwest, moderate to light; cloudy; some light occasional rain; rather mild.
15 N. E. Scotland	
16 Orkneys and Shetlands	Wind southerly, light to moderate; mainly fair; rather mild; local frost at night.
17 N. W. Ireland	
18 N. E. Ireland	As 11 - 12.
19 S. E. Ireland	
20 S. W. Ireland	As 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 intense anticyclone is centred over South-west Russia and a pronounced ridge of high pressure extends to the British Isles. Weather will be fine and cold over England and Wales with severe night frost, although fog will tend to persist locally in the Midlands and North. In Scotland and Ireland conditions will be mainly cloudy with a little rain near the Northwest Seaboard.

FURTHER OUTLOOK.

Continuing fair and frosty in England.

Forecasts issued at 1100 GMT.

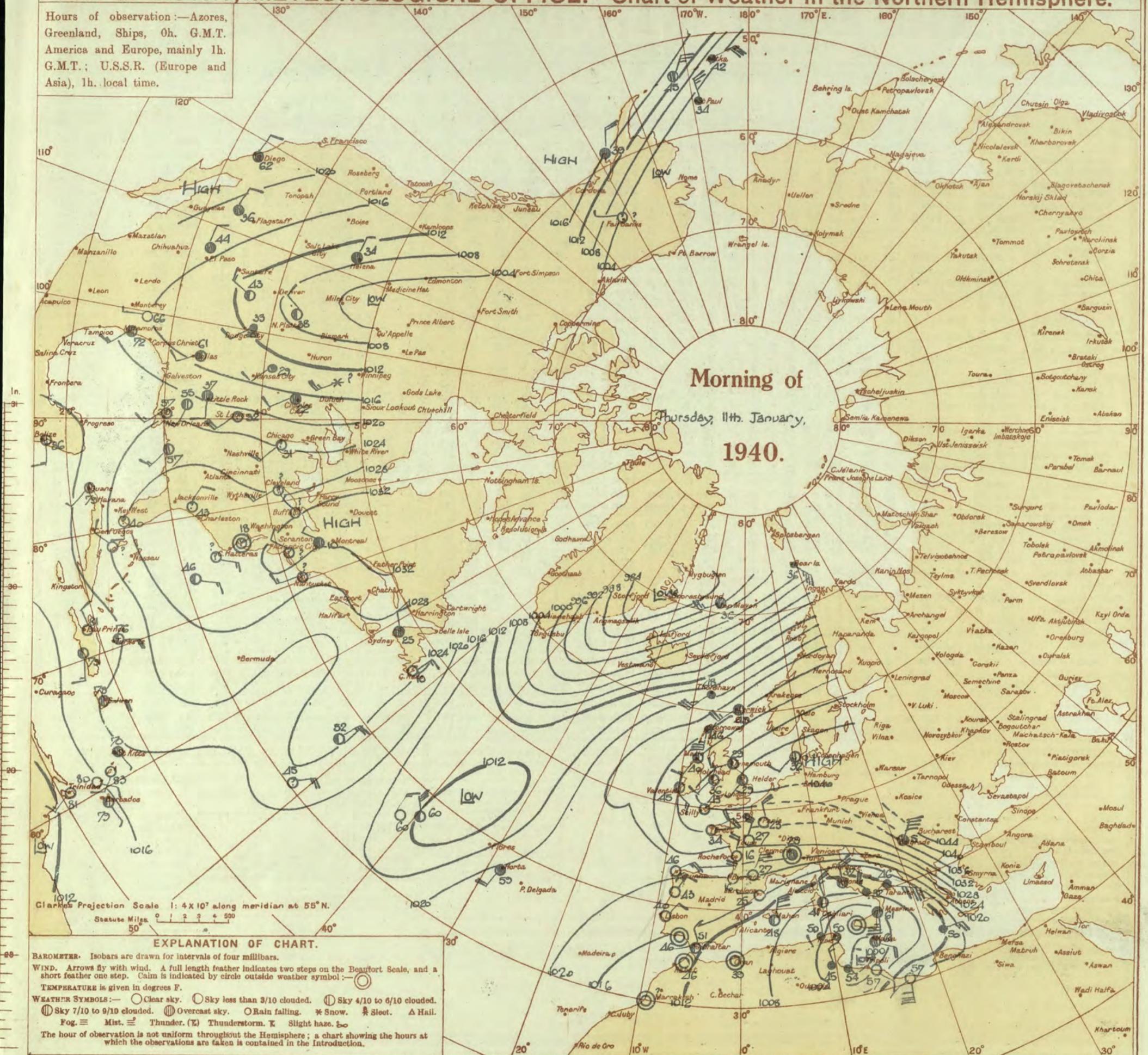
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

4214-3028, No. 8109, D.4626, 9-948, 1/40

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.



Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

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. Δ Hail. Fog. ≡ Mist. ≡ Thunder. (T) Thunderstorm. X 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.

Thursday, 11th January, 1940. No. 535.

Main table of weather observations at 1 hr. G.M.T. and 7 hr. G.M.T. for January 11th, 1940, including stations like London (Kew), Croydon, and various coastal locations.

LONDON OBSERVATIONS table with columns for Day, Night, Morning, Afternoon, Night, and 24 hrs. ended 9h.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Past 24 Hours.

Atmospheric Pollution table with columns for Milligrams of Solid Impurity per cubic metre.

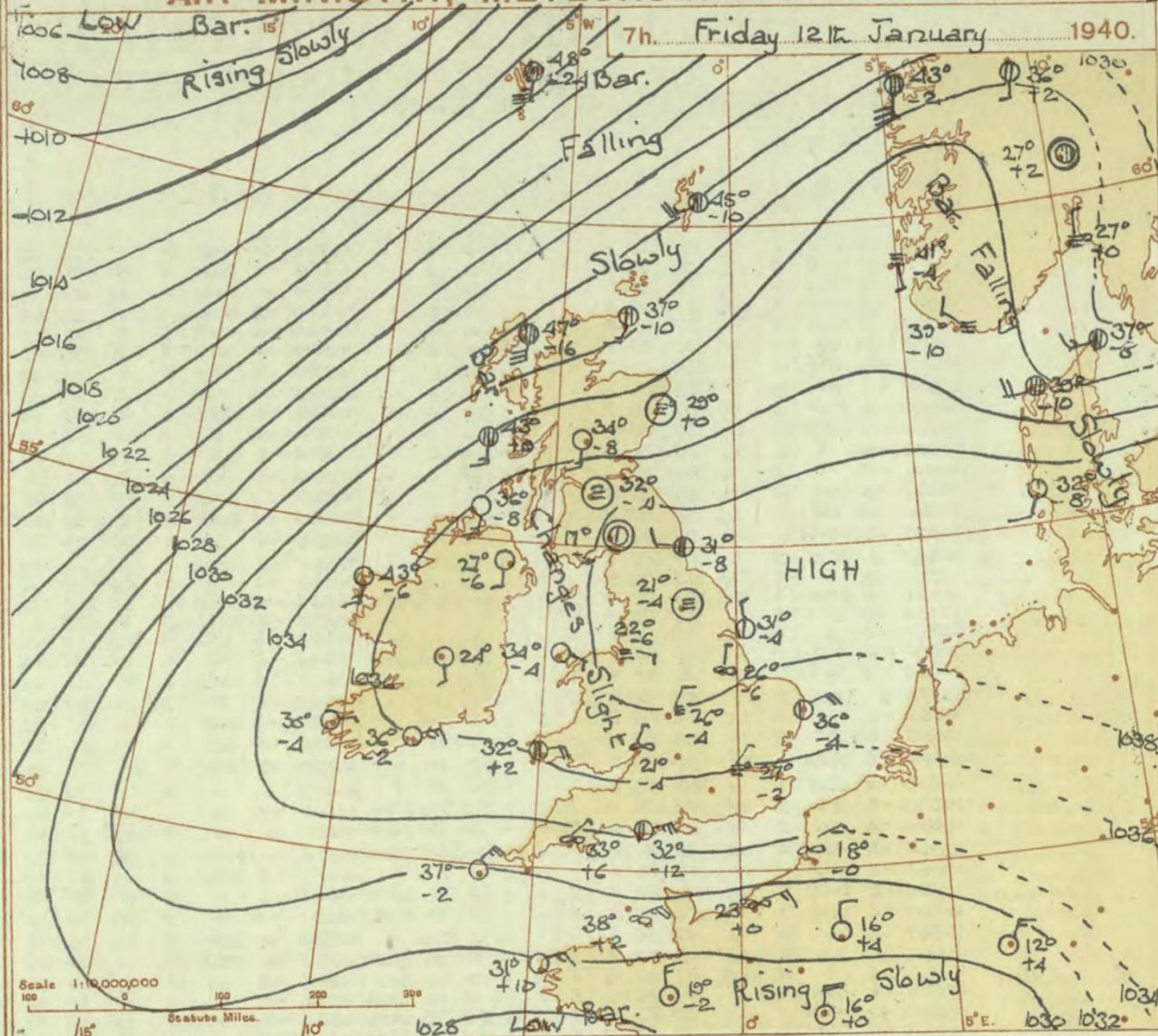
EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 4, 18, 8, 22, 30, and 34, 35.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1 1/2d. 2/6 per month; 6/6 per quarter; 25/- per year.

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

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

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th January, 1939.
1 S.E. England	Light variable winds; fine; local morning fog persisting in places; cold with sharp to severe night frost.
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	Wind southwest to west, light to moderate; fair but cloud increasing; local morning fog persisting in a few places; cold with night frost.
11 S.E. Scotland	Wind south to southwest, fresh to strong perhaps gale locally on the coast, veering and moderating; cloud increasing; some occasional rain, chiefly near the seaboard; rather mild.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	Wind southerly, to variable, light; fair or fine; local morning fog; rather cold; sharp night frost.
16 Orkneys and Shetlands	
17 N. W. Ireland	
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 the Balkan area and from it a ridge of high pressure extends to the British Isles, but a trough of relatively low pressure which is developing from northwest Russia across the Baltic will move southeast. Weather will continue fine and cold over most of the British Isles with sharp frost at night. Local fog will tend to persist in the Midlands and North England. There will be rain later on the extreme northwest and north seaboard.

FURTHER OUTLOOK.

A slow change to less cold weather with more cloud.

Forecasts issued at 1030.

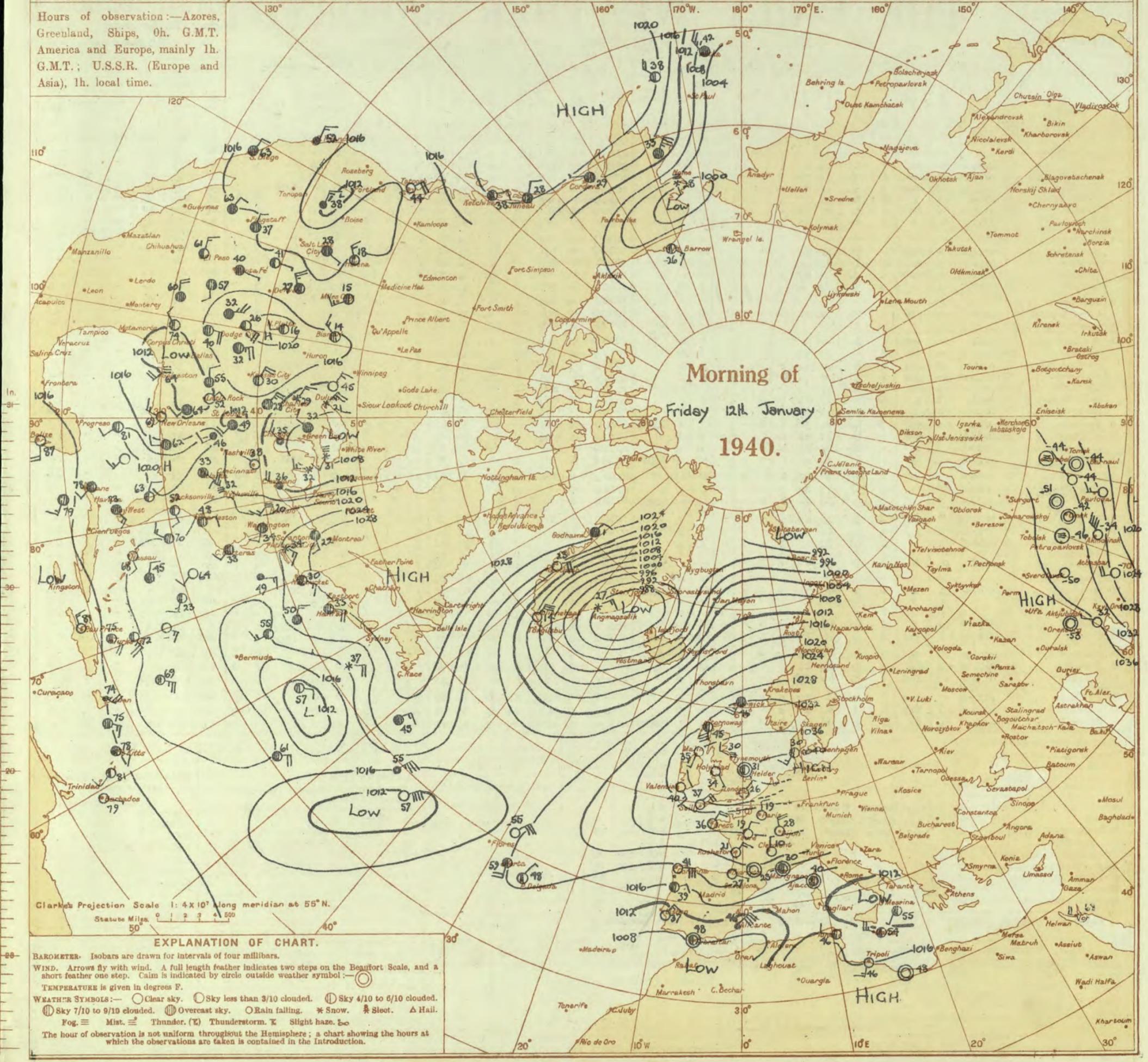
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

8474/3808, W. 8109, D. 4626, 6p. 948, 1/40

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.



Clarke's Projection Scale 1:4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

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 circles 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. Δ 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.

OBSERVATIONS at 1 hr. G.M.T. 12th January

OBSERVATIONS at 7 hr. G.M.T. 12th January

PAST 24 HOURS.

Main table with columns for District, Stations, Height above M.S.L., Barom. at M.S.L., Change in 3 hours, Wind (Dirce, Force), Weather, Temp. (F, C), Humid. (%), Visibility (0-9, 10-100), Cloud (Form, Amount, Height of Base), Barom. at 7 hr, Change in 3 hours, Wind (Dirce, Force), Weather, Temp. (F, C), Humid. (%), Visibility (0-9, 10-100), Cloud (Form, Amount, Height of Base), Sea (0-9), and Temperature (Max. Day, Min. Night, Min. on Grass, Day 7h-18h, Night 18h-7h, Sun-shine Hr.).

LONDON OBSERVATIONS

Table for London Observations with columns for Day 7h-18h, 9h-18h, 9h-21h, Height above M.S.L., Weather (Morning, Afternoon, Night), Temperature (Day Max, Night Min, Min. on Grass), Rainfall (Day, Night), Sun-shine to Sunset, Humidity (15h, 9h G.M.T.), and Visibility (Yesterday, To-day).

EXPLANATION OF FIGURES, LETTERS, etc.

Table explaining figures and letters for columns 2, 16, 8, 22, 4, 18, 30, and 34. Includes details on barometric tendency, Beaufort Scale of Wind, and State of Sea.

FOREIGN OBSERVATIONS.

Table for Foreign Observations with columns for Stations, Barom. mb., Wind (Dirce, Force), Weather, Temp. (F, C), Barom. at 7 hr, Wind (Dirce, Force), Weather, Temp. (F, C), Max. Day (F), Min. Night (F), Rainfall (Day, Night), and Past 24 Hours.

18h. G.M.T. 11th January

Table for Foreign Observations at 18h G.M.T. 11th January with columns for Stations, Barom. mb., Wind (Dirce, Force), Weather, Temp. (F, C), Barom. at 7 hr, Wind (Dirce, Force), Weather, Temp. (F, C), Max. Day (F), Min. Night (F), Rainfall (Day, Night), and Past 24 Hours.

7h. G.M.T. 12th January

Table for Foreign Observations at 7h G.M.T. 12th January with columns for Stations, Barom. mb., Wind (Dirce, Force), Weather, Temp. (F, C), Barom. at 7 hr, Wind (Dirce, Force), Weather, Temp. (F, C), Max. Day (F), Min. Night (F), Rainfall (Day, Night), and Past 24 Hours.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1 1/2d. 2/6 per month; 8/6 per quarter; 25/- per year. METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON W.C.2

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

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

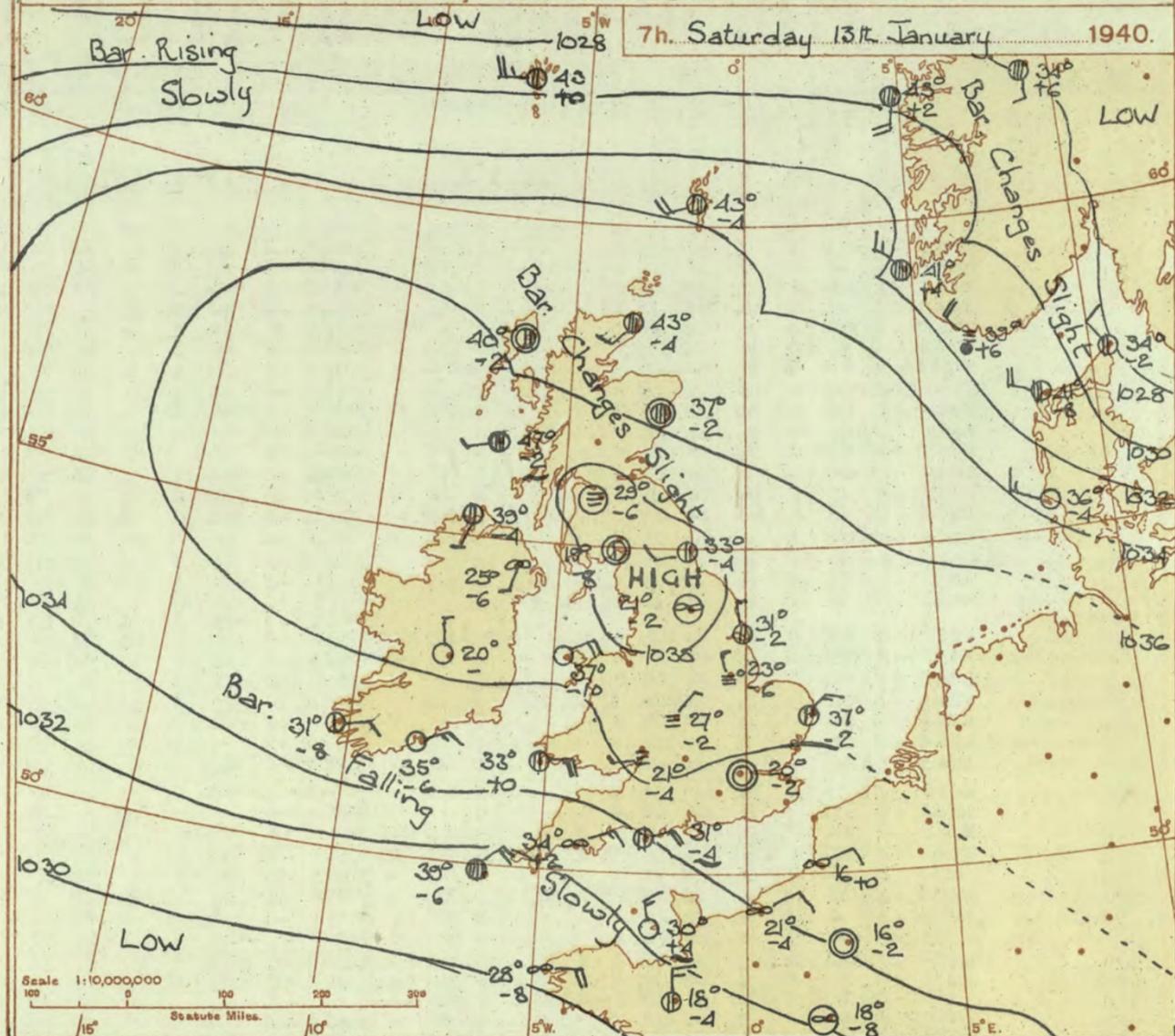
OBSERVATIONS at 12h. G.M.T. 12th. January															OBSERVATIONS at 18h. G.M.T. 12th. January															PAST 24 HOURS.			
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.			Barom. at M.S.L. -mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.			Sea. 0-9 (29)	WEATHER.										
				Dirce. (3)	Force. (4)				Form. (9)	Amount. (10)	Height of Base. (feet) (14)			Dirce. (17)	Force 0-12 (18)				Form. (23)	Amount (24)	Height of Base. (feet) (28)		7h.-15h. 12h. (37)	15h.-18h. 12h. (38)	18h.-12h. 1h. 13h. (39)	1h.-7h. 13h. (40)							
1	London (Kew)...	1035.0	-14	NE	4	37	55	5			1035.5	+4	NE	3	54	65	5				3	brcz	brcz	brcz	brcz								
	Croydon ...	1038.4	-6	NE	4	37	55	5			1034.9	+4	NE	2	32	73	4				3	bzfm	bzfm	bzfm	bzfm								
	S. Farnborough	1034.6	-2	NE	4	38	55	5			1034.9	-2	NE	3	33	75	5				3	bzfm	bzfm	bzfm	bzfm								
	Boscombe Down	1034.9	-10	NE	3	36	65	6			1035.3	+6	NE	2	28	85	5				0	bmsb	bmsb	bmsb	bmsb								
	Calshot (Soton.)	1035.7	-6	NE	3	38	65	5			1033.5	0	NE	3	33	73	4				3	bmmx	bmmx	bmmx	bmmx								
	Lympe ...	1033.8	-6	NE	5	35	55	7			1033.5	-4	NE	5	33	75	7				3	bby	bby	bby	bby								
Manston ...	1034.5	-6	ENE	4	36	65	6			1034.5	-2	ENE	3	35	75	7				3	bzb	bzb	bzb	bzb									
2	Shoeburyness ...	1035.3	-2	NE	5	38	65	8			1035.2	-4	NE	4	32	85	8				3	bxbbc	bxbbc	bxbbc	bxbbc								
	Felixstowe ...	1036.4	-2	ENE	3	38	65	7			1035.2	-6	ENE	3	32	75	6				1	bcbbc	bcbbc	bcbbc	bcbbc								
	Gorleston ...	1037.2	0	NE	4	38	65	7			1036.7	-4	NE	4	38	65	7				0	bcb	bcb	bcb	bcb								
	Mildenhall ...	1036.7	-10	NE	3	38	75	7			1036.7	+2	NE	3	28	97	7				3	bcbbc	bcbbc	bcbbc	bcbbc								
	Cranwell ...	1038.0	-10	NNE	1	37	65	6			1037.6	0	NE	2	33	92	5				3	xbcm	xbcm	xbcm	xbcm								
3	Birmingham	1037.7	-4	NE	3	34	65	3			1037.4	0	ENE	2	33	75	3				3	bf	bf	bf	bf								
	Upper Heyford	1036.6	-12	NE	3	34	65	7			1036.6	+6	NE	2	39	85	5				1	bcbzo	bcbzo	bcbzo	bcbzo								
4	Ross-on-Wye ...	1036.8	-10	NW	2	33	75	4			1036.2	-4	SE	1	30	85	4				3	bm	bm	bm	bm								
	Hartland Point	1039.0	-8	NE	4	37	65	7			1033.7	0	NE	4	37	55	7				3	bc	bc	bc	bc								
5	Bristol ...	1036.1	-10	NE	2	32	75	4			1036.1	+2	NE	3	37	75	4				3	bmm	bmm	bmm	bmm								
	Portland Bill ...	1032.6	-4	NE	4	37	85	8			1032.5	+6	NE	4	35	92	7				1	bcb	bcb	bcb	bcb								
	Plymouth ...	1032.0	-10	ENE	4	40	65	8			1032.2	+8	NNE	3	37	55	5				0	bc	bc	bc	bc								
	The Lizard ...	1032.0	-10	ENE	4	40	65	8			1032.6	-4	EN	4	39	55	8				0	bc	bc	bc	bc								
	Soilly (St. Mary's)	1032.9	-4	ENE	3	42	48	8			1032.3	-2	NE	4	40	45	8				0	bc	bc	bc	bc								
	Guernsey ...	1030.2	-8	NE	5	41	55	7			1030.9	+2	NE	5	38	75	7				0	b	b	b	b								
6	Pembroke ...	1035.5	-8	ENE	1	38	65	6			1035.4	0	ENE	3	37	55	7				1	bce	bce	bce	bce								
	Holyhead ...	1036.6	-6	ENE	3	44	55	8			1037.1	+2	ENE	2	38	55	6				3	by	by	by	by								
7	Chester (Sealand)	1038.4	-6	SSW	1	39	75	6			1038.0	+2		0	28	85	4				3	bmmx	bmmx	bmmx	bmmx								
	Manchester ...	1038.5	-8	N	1	26	97	1			1037.8	-4	NW	1	21	97	1				3	bzffz	bzffz	bzffz	bzffz								
10	Spurn Head ...	1038.5	-4		0	40	85	6			1040.3	-2	NE	2	35	85	7				3	cm	cm	cm	cm								
	Catterick ...	1038.6	-6	SSE	1	36	65	4			1035.0	-6		0	31	75	3				3	bm	bm	bm	bm								
	Tynemouth ...	1038.2	-4	SW	2	34	85	3			1038.3	+4	WSW	3	36	65	2				3	bff	bff	bff	bff								
11	St. Abbs Head	1035.4	+4	SW	1	40	65	7			1036.5	-10	WSW	2	38	55	7				0	m	m	m	m								
	Leuchars ...	1035.7	0	NW	4	39	85	5			1035.9	-2	WSW	1	36	85	5				0	b	b	b	b								
12	Reufrow (Abbots I.)	1037.4	-2	W	1	36	85	4			1037.4	-2	W	1	33	97	3				0	b	b	b	b								
	Eskdalemuir ...	1037.9	-8		0	29	92	4			1036.1	0		0	25	92	4				0	b	b	b	b								
	Point of Ayre ...	1037.7	0	SSW	3	45	75	8			1037.7	0	NNE	1	34	85	7				0	b	b	b	b								
13A	Tiree ...	1035.0	0	SSW	4	46	85	8			1035.3	+2	SW	3	47	92	7				0	cbc	cbc	cbc	cbc								
	Stormoway ...	1031.1	0	S	5	48	85	6			1032.6	+6	SSW	4	48	92	7				1	cd	cd	cd	cd								
15	Dalwhinnie	*	-2	S	2	41	75	8			*	+2	W	2	38	85	8				0	bc	bc	bc	bc								
	Aberdeen ...	1034.9	+14	NW	1	36	85	5			1036.2	+6		0	32	92	4				3	bzffz	bzffz	bzffz	bzffz								
16	Wick ...	1032.8	+4	SSW	3	43	75	7			1032.6	0	SSW	3	42	85	7				1	bcbce	bcbce	bcbce	bcbce								
	Lerwick ...	1028.0	-22	SW	5	46	85	7			1028.3	+4	WSW	7	47	92	6				1	cid	cid	cid	cid								
17	Blacksod Point...	1036.3	0	S	2	46	65	7			1036.7	0	SW	1	48	65	7				0	bc	bc	bc	bc								
	Malin Head ...	1037.7	+2	S	1	44	65	7			1037.2	0	S	2	38	65	8				0	bc	bc	bc	bc								
18	Aldergrove ...	1036.5	+2		0	40	85	7			1037.9	-2		0	31	75	7				3	bmmx	bmmx	bmmx	bmmx								
	Birr Castle ...	1037.3	*	SSE	1	39	75	7			1037.5	0	N	1	33	85	7				3	bvbm	bvbm	bvbm	bvbm								
20	Valentia Obay. †	1036.0	+2	E/S	2	45	45	9			1035.8	0		0	37	75	8				0	b	b	b	b								
	Roches Point ...	1036.5	-2	NE	2	44	85	8			1036.2	+2	NE	3	35	85	8				1	b	b	b	b								

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.
<p>b, blue sky (not more than a quarter covered with cloud).</p> <p>bc, sky partly cloudy (one half covered). c, generally cloudy.</p> <p>d, drizzle. o, wet air. g, gloom.</p> <p>f, fog, visibility 220-1100 yds.</p> <p>F, thick fog " less than 220 yds.</p> <p>fs, low fog over sea (coast station).</p> <p>fg, low fog over land (inland station).</p> <p>m, mist, visibility 1100-2200 yds.</p> <p>h, hail. i, intermittent.</p> <p>jf, fog at a distance, but not at station.</p> <p>jp, precipitation within sight of station.</p> <p>ks, storm of drifting snow.</p> <p>k/s, slight storm of drifting snow (generally low).</p> <p>k/S, heavy storm of drifting snow (generally low).</p> <p>s/k, slight storm of drifting snow (generally high).</p> <p>S/k, heavy storm of drifting snow (generally high).</p> <p>KQ, line squall. l, lightning.</p> <p>o, overcast sky. p, passing showers.</p> <p>q, squalls. r, rain. s, snow.</p> <p>rs, sleet. t, thunder.</p> <p>u, ugly, threatening sky.</p> <p>v, unusual visibility. w, dew.</p> <p>x, hoar frost. y, dry air.</p> <p>z, dust haze: the turbid atmosphere of dry weather.</p> <p>b(r), "hail" or "rain and hail."</p> <p>Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r, slight rain.</p> <p>rr, continuous rain.</p> <p><, less than (for cloud height). ♀gale.</p> <p>☉ Solar halo. ☾ lunar halo. ☽ Aurora.</p> <p>With present weather is combined, whenever possible, the general character of the weather.</p> <p>A "solidus" divides actual existing weather from preceding conditions thus: -bc/r, fair weather after rain; -, has decreased; +, has increased.</p>	<p>0 No low clouds.</p> <p>1 Fair weather Cu.</p> <p>2 Large Cu without anvil.</p> <p>3 Cb.</p> <p>4 Sc formed by the spreading out of Cu.</p> <p>5 Layer of St or Sc.</p> <p>6 Ragged low clouds of bad weather (or fractonimbus).</p> <p>7 Fair weather Cu and Sc.</p> <p>8 Large-Cu (or Cb) and Sc.</p> <p>9 Large-Cu (or Cb) and ragged low clouds of bad weather.</p> <p style="text-align: center;">COLUMNS 12, 13, 26, 27.</p> <p>Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14.</p> <p>Column 13, 27. The figures in these columns indicate the total amount of all forms of cloud.</p> <p>An entry "4-8" means that the cloud amount may be 4, 5 or 6: similarly for other grouped entries.</p> <p>"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.</p> <p>"9+" signifies an overcast sky with a few small openings.</p> <p>† Sea disturbance reported from Dungeness.</p>	<p>0 No medium clouds.</p> <p>1 Typical As (thin).</p> <p>2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).</p> <p>3 Single layer of Ac or high Sc.</p> <p>4 Ac in isolated patches. Individually decreasing (often lenticular).</p> <p>5 Ac in bands (increasing).</p> <p>6 Ac formed from the spreading out of Cu.</p> <p>7 Ac associated with As or As with parts resembling Ac.</p> <p>8 Ac Castellatus (or Ac in ragged fragments).</p> <p>9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.</p> <p>Cloud form abbreviations:—</p> <p>Cirrus, -Ci: Cirrocumulus, -Cc: Cirrostratus, -Cs: Altopumulus, -Ac: Altostratus, -As: Stratocumulus, -Sc: Stratus, -St: Nimbostratus, -Ns: Cumulus, -Cu: Cumulonimbus, -Cb.</p> <p style="text-align: center;">COLUMN 29.—STATE OF GROUND.</p> <p>0 .. Ground dry.</p> <p>1 .. " wet.</p> <p>2 .. " flooded.</p> <p>3 .. " frozen hard and dry.</p> <p>4 .. " partly covered with snow or hail.</p> <p>5 .. " covered with ice or glazed frost.</p> <p>6 .. " covered with thawing snow.</p> <p>7 .. Ground covered with snow, less than 6 ins., deep but ground not frozen.</p> <p>8 .. " covered with snow, less than 6 ins., but ground frozen.</p> <p>9 .. " covered with snow greater than 6 ins. deep.</p> <p>.. Fresh snow has fallen in the mountains.</p>	<p>0 No cirriform cloud.</p> <p>1 Fine Ci not increasing: sparse.</p> <p>2 Fine Ci not increasing: abundant but not a continuous layer.</p> <p>3 Anvil Ci (usually dense).</p> <p>4 Fine Ci increasing: usually in tufts.</p> <p>5 Ci or Cs increasing: still below 45° altitude: often in polar bands.</p> <p>6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.</p> <p>7 Veil of Cs covering whole sky.</p> <p>8 Cs not increasing and not covering whole sky.</p> <p>9 Ce predominating, and a little cirrus. (Ce may occur with any of the types 1 to 8).</p>

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.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th January, 1940.
1 S.E. England	Wind east to northeast, light; fine today, probably more cloudy tomorrow; cold with sharp to severe night frost.
2 E. England ...	
3 E. Midlands ...	Light variable wind; fine apart from local fog or mist tending to persist in a few places; cold, sharp frost at night.
4 W. Midlands ...	
5 S.W. England	Wind easterly, moderate; fine; cold with frost inland at night.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	As 3 - 4.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind variable to northwest, light; fair apart from local fog; average day temperature, frost locally at night.
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N.E. Scotland	Wind northwest, moderate or fresh; cloudy, brighter period; some coastal showers; average temperature.
16 Orkneys and Shetlands	
17 N.W. Ireland	As 3 - 4.
18 N.E. Ireland	
19 S.E. Ireland	
20 S.W. Ireland	As 5 - 6.

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 belt of high pressure extends from Scotland across Germany to the Balkans, but will continue to decrease in intensity over Europe. Weather will continue fine and cold with sharp or severe night frost over most of England, Ireland and Wales. Conditions will be fair in Scotland apart from some local showers near the North coast.

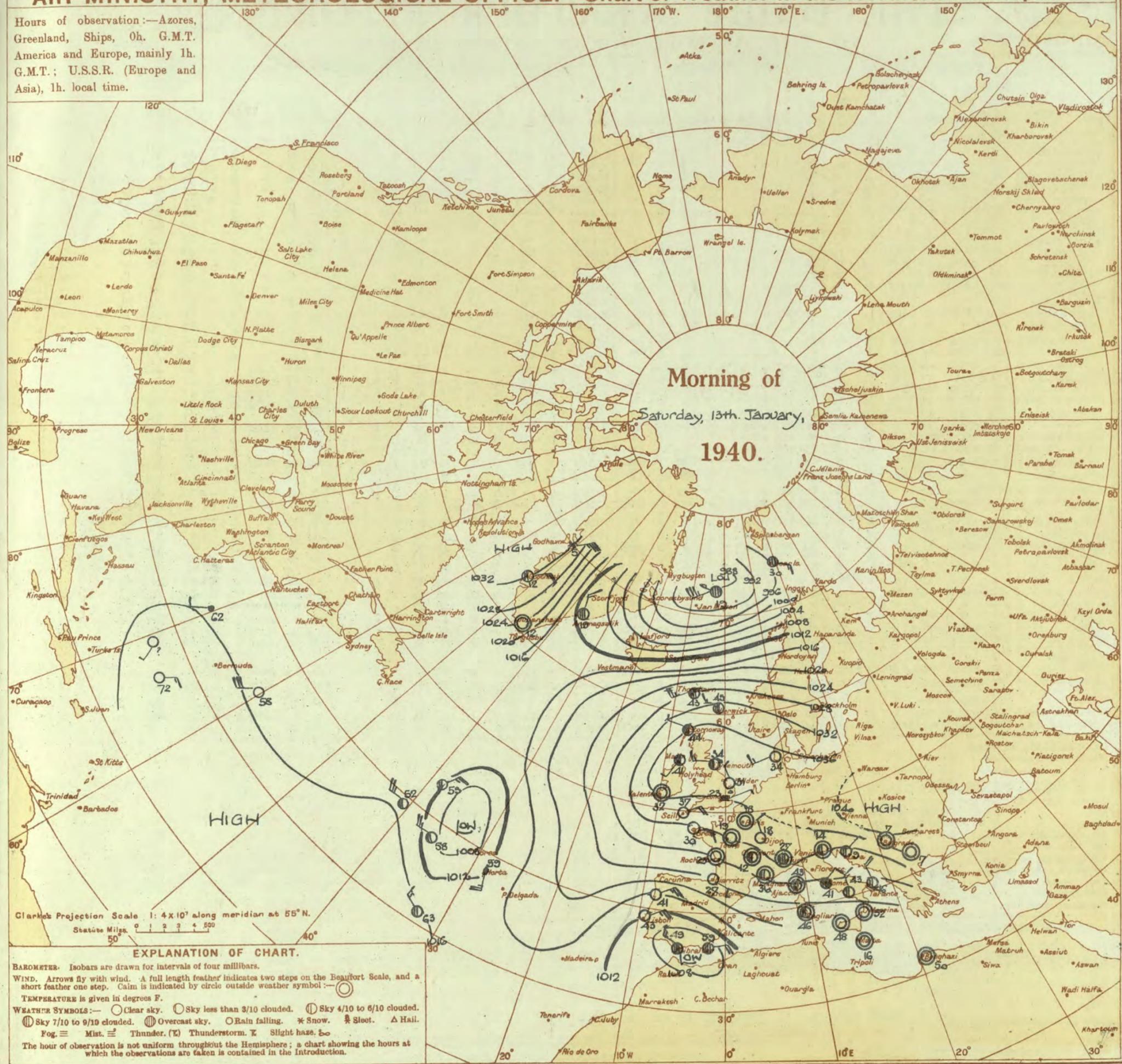
FURTHER OUTLOOK.

Fair generally but probably cloudy or dull in East and South England with some rise in temperature.

Forecasts issued at 1030.
 N. K. JOHNSON, D.Sc., A.R.C.S., Director.
 H.M.S.O. Press, Cornwall House, S.E. 1.

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.

Main table of weather observations at 1 hr. G.M.T. 13th January and 7 hr. G.M.T. 13th January, and Past 24 Hours. Columns include Station, Barom., Wind, Temp., Humid., Cloud, and various temperature and rainfall metrics.

LONDON OBSERVATIONS table with columns for Day, Night, Morning, Afternoon, Night, and various weather codes.

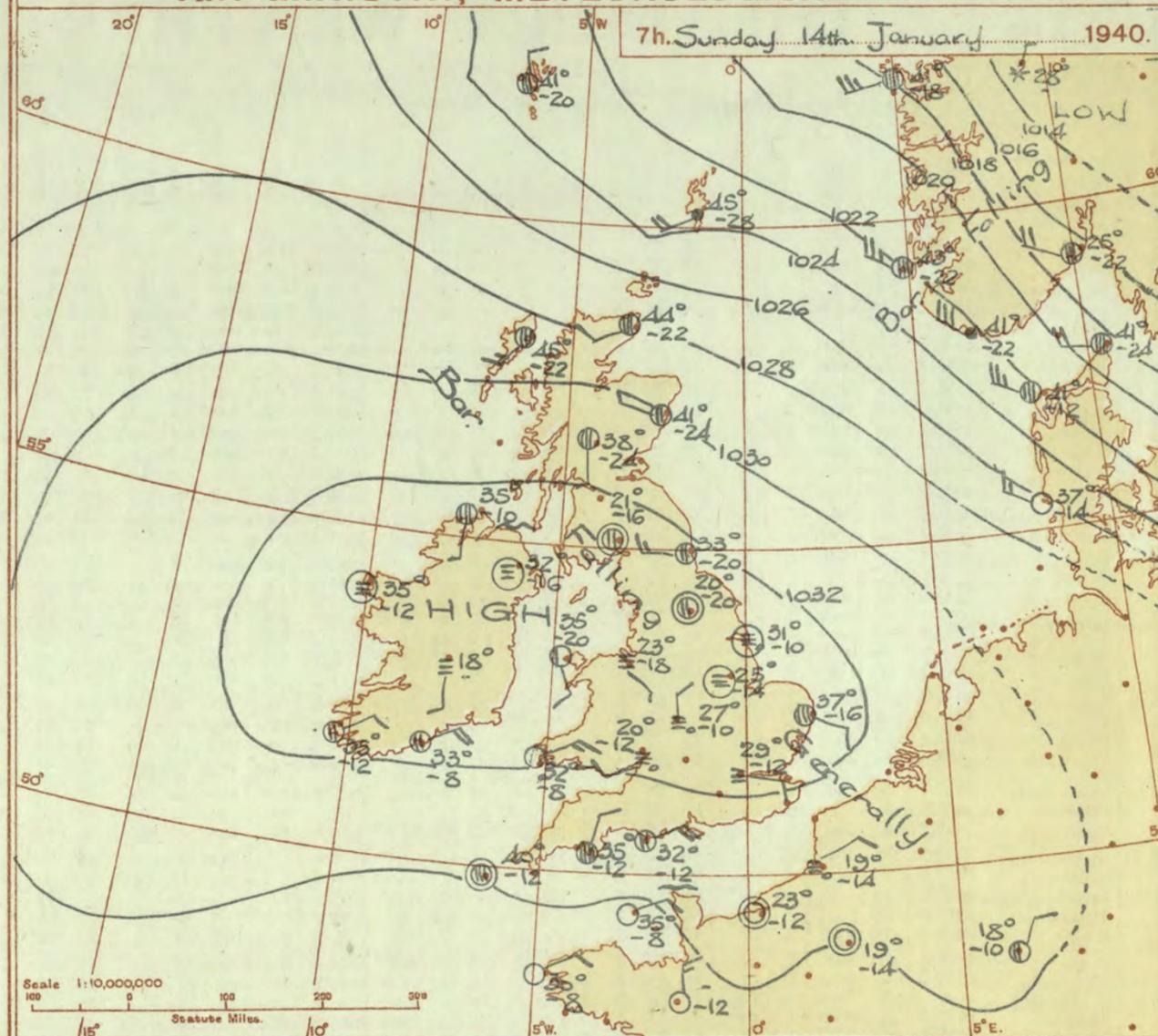
Table with columns for Weather, Temperature, Rainfall, Sunshine, Humidity, and Atmospheric Pollution.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 18, 30, and 34, 35.

FOREIGN OBSERVATIONS table listing data for Paris, Brussels, Berlin, Zurich, and Rome.

Table with columns for 18h. G.M.T. 12th January, 7h. G.M.T. 13th January, and Past 24 Hours.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th January, 1940.
1 S.E. England 2 E. England ... 3 E. Midlands ... 4 W. Midlands ... 5 S.W. England 6 South Wales ... 7 North Wales ... 8 N.W. England	Light variable winds; fine apart from fog persisting locally; cold; sharp to severe night frost.
9 N. Midlands ... 10 N.E. England 11 S.E. Scotland 12 S.W. Scotland & Isle of Man.	Wind variable light, becoming northwesterly; fair, local fog today, clearing tomorrow; cold with night frost, then less cold.
13 { A.W. Scotland B.N.W. Scotland. 14 Mid Scotland 15 N.E. Scotland 16 Orkneys and Shetlands	Wind westerly, freshening, veering northwest to north; mainly fair at first then cloudy with some rain and sleet and snow on the hills; becoming colder.
17 N.W. Ireland 18 N.E. Ireland 19 S.E. Ireland 20 S.W. Ireland	As 1 - 8.

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.

The anticyclone over the British Isles is decreasing in intensity whilst a new anticyclone over Greenland continues to intensify. A secondary development is expected in the Faeroes area and this will move southeast. Weather will continue fine and cold with sharp night frost over most of England and Ireland but with persistent local fog. Conditions will become cloudy in Scotland with some rain and sleet with a fall in temperature.

FURTHER OUTLOOK.

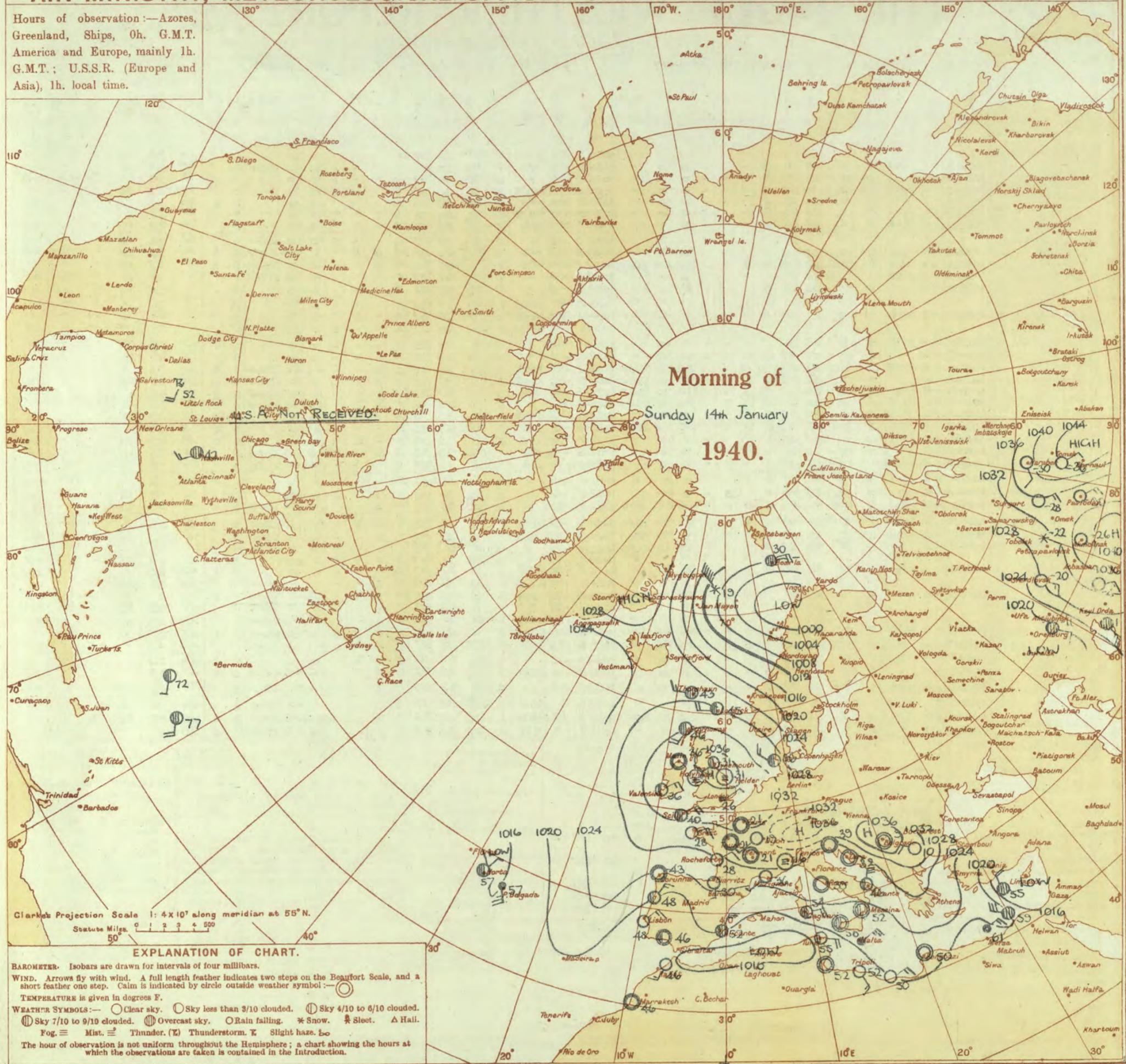
Less settled and less cold in eastern districts. Probably little change in the west.

Forecasts issued at 1030.
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1. 44/43806. W. 8/103. D. 4020. Sp. 542. 1/40

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.

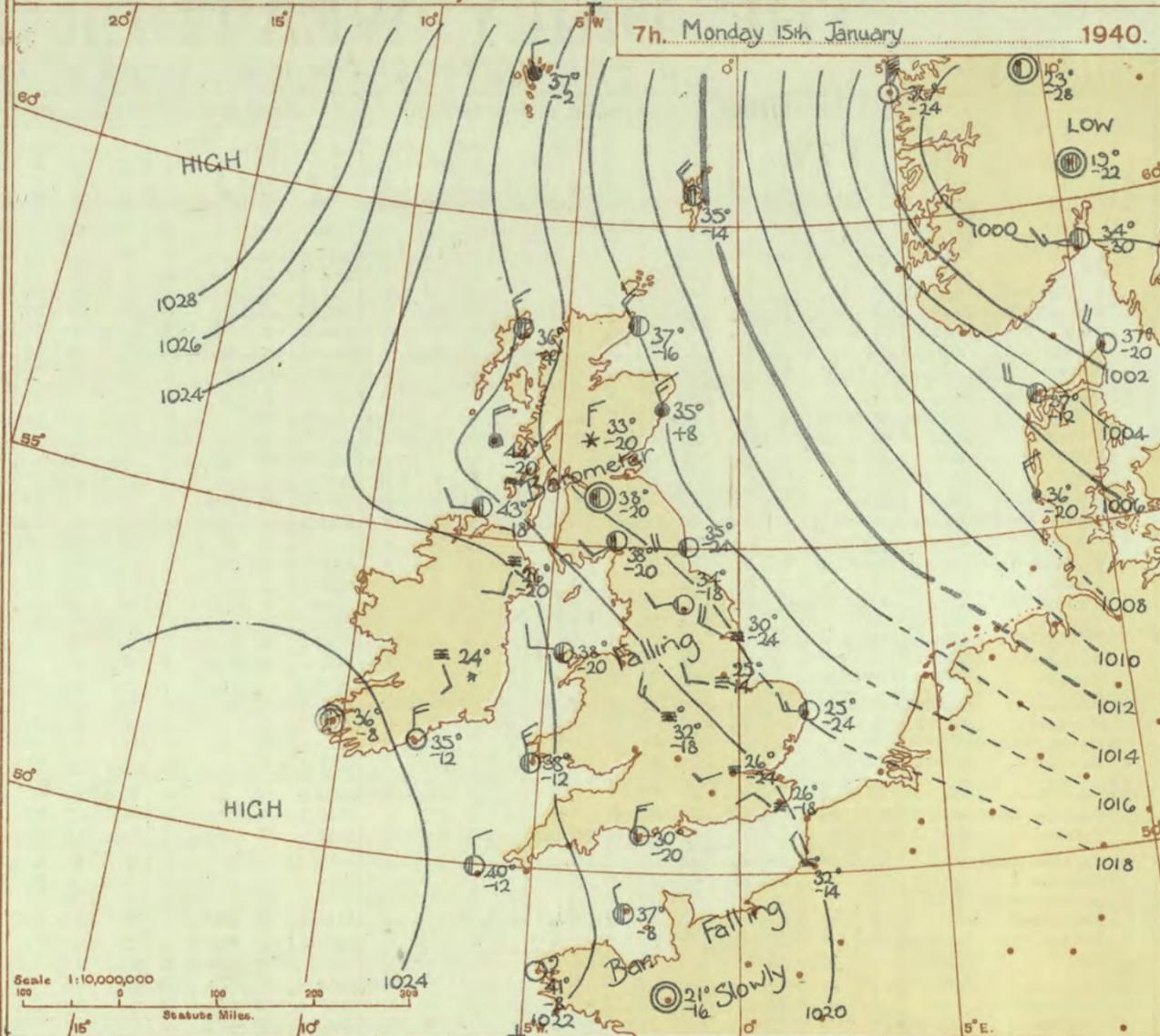
OBSERVATIONS at 1 hr. G.M.T. 19th January														OBSERVATIONS at 7 hr. G.M.T. 19th January														PAST 24 HOURS.					
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. (8)	Cloud.					Barom. at M.S.L. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. (22)	Cloud.					Sea. (30)	TEMPERATURE.			RAINFALL.		SC. SHINING 13th Hrs. (36)
					Dirac.	Force.				Weather.	Form.	Amount.	Height of Base (feet).	Form.			Amount.	Height of Base (feet).				State of Ground. (29)	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	1034.1	-	E	1	26	97	3					1032.3	-12	SSW	1	26	97	1					3	36	24	13	Tr	Tr	0.0		
	Croydon	217	1034.4	-	E	1	26	97	3					1032.2	-12	SSW	1	28	97	1					3	34	23	15	Tr	Tr	0.0		
	S. Farnborough	226	1034.6	-	E	1	19	97	1					1032.3	-4	SSW	2	18	97	1					3	32	16	13	Tr	Tr	0.9		
	Boscombe Down	417	1034.3	-	NE	2	30	85	2					1032.0	-14	NE	3	30	85	5					3	35	23	14			4		
	Calshot (Stmnt.)	8	1033.4	-	NE	2	29	85	2					1031.2	-16	NE	3	28	85	5					3	36	27	23			6.7		
	Lympe	346	1033.8	-	NE	2	29	75	6					1031.9	-16	NE	3	30	75	6					3	35	26	21			7.0		
	Manston	154	1034.0	-	ESE	3	34	75	5					1031.8	-14	SE	2	32	75	6					3	36	29	17			6.0		
2	Shoeburyness	11	1034.1	-	E	2	33	92	6					1032.3	-12	SE	2	29	97	2					3	36	28	16			4.3		
	Felixstowe	15	1034.1	-	NE	2	33	92	6					1031.8	-14	NE	2	30	97	4					3	41	29	24			6.2		
	Gorleston	5	1035.4	-	NE	3	36	75	6	5		4.6	4.6	2500	1032.7	-16	SE	2	37	85	6					3	41	32	31			*	
	Mildenhall	19	1035.4	-	ESE	1	23	97	1					1033.1	-14	E	1	27	97	1					3	43	19	15	Tr	Tr	5.3		
	Cranwell	240	1035.3	-	E	0	30	85	3					1032.7	-14	E	0	25	92	3					3	41	24	18	Tr	Tr	5.8		
3	Birmingham	535	1035.5	-	W	2	27	85	5					1033.7	-10	WNW	2	27	85	4					3	37	26	14			1.9		
	Upper Heyford	408	1035.5	-	W	2	27	85	5					1033.1	-14	WNW	2	26	92	4					3	38	25	15	0.1		*		
	Ross-on-Wye	223	1035.5	-	W	2	27	85	5					1032.1	-12	WNW	1	20	92	4					3	35	18	11			5.5		
5	Hartland Point	299	1033.3	-	E	3	33	85	7					1031.1	-12	E	3	29	85	7					2	37	28	27			6.1		
	Bristol	209	1034.7	-	E	0	27	85	3					1032.8	-12	E	0	23	92	4					3	33	22	10			1.2		
	Portland Bill	32	1032.0	-	E	4	34	85	7	5		2.3	2.3	2500	1030.2	-12	E	4	32	92	6					4	36	30	*		*		
	Plymouth	82	1032.8	-	E	0	32	85	5	5		1.0	1.0	1500	1030.5	-12	E	0	35	85	5					0	36	31	23			0.0	
	The Lizard	240	1031.9	-	E	4	35	85	7	5		1.0	1.0	1500	1030.5	-10	E	3	37	85	7					0	41	34	*		*	0.0	
	Scilly (St. Mary's)	163	1031.6	-	NE	4	40	85	6	5		7.8	6	2500	1029.8	-12	NE	2	40	75	7					0	41	39	*		*	0.0	
	Guernsey	175	1031.5	-	E	3	35	75	6	5		7.8	6	2500	1029.8	-12	E	3	35	75	6					0	37	23	25			7.1	
6	Pembroke	142	1033.9	-	W	3	33	85	6	5		2.3	2.3	2500	1031.1	-8	W	3	32	85	5					3	38	29	*		*	6.0	
	Holyhead	26	1034.6	-	E	0	30	85	4					1031.7	-20	E	0	35	85	5					3	45	29	21			6.9		
	Chester (Sealand)	16	1035.9	-	E	0	23	92	3					1032.8	-18	E	0	23	85	3					3	35	23	19			3.6		
	Manchester	70	1036.2	-	WNW	1	18	97	1					1033.7	-10	SE	1	18	97	0					3	26	17	9			0.0		
10	Spurn Head	29	1036.1	-	E	0	31	97	2					1033.1	-10	E	0	31	92	4					3	42	28	*		*	6.0		
	Catterick	175	1036.0	-	E	0	24	92	5	3				1032.5	-20	E	0	20	92	5					3	42	19	13			3.4		
	Tynemouth	108	1036.0	-	SW	2	31	85	3	5		4.6	4.6	1500	1032.9	-20	W	3	33	73	6					3	39	30	24			*	
11	St. Abbs Head	280	1034.7	-	WNW	1	40	85	6	4		Tr	Tr	2500	1031.5	-24	WNW	1	41	92	7	5	6			0	41	38	*		*	4.4	
	Leuchars	36	1034.8	-	WSW	2	35	92	6	5		Tr	Tr	5700	1031.3	-26	SW	3	37	92	7	5				3	43	32	23			0.0	
12	Rentrev (Abbots I.)	19	1036.3	-	E	0	23	97	0					1032.7	-22	E	0	31	97	1					3	29	24	23			0.0		
	Eskdalemuir	794	1036.3	-	E	0	23	97	0					1033.1	-16	E	0	21	97	8					3	39	20	14			4.2		
	Point of Ayre	30	1035.6	-	SE	2	38	92	6					1032.5	-20	ESE	2	37	97	5					3	42	36	*		*	2.6		
13A	Tiree	22	1033.2	-	W	2	41	92	8					1031.2	-16	WSW	2	41	92	8					0	49	39	35	Tr	Tr	0.1		
13B	Stornoway	80	1022.8	-	SW	4	46	97	7	5	2	7.8	10	2500	1029.5	-22	SW	3	45	85	7	5	2			1	41	33	28			0.6	
15	Dalwhinnie	1178	1032.1	-	S	1	38	97	7	5				1032.1	-24	S	1	38	97	7	5					1	41	33	28			0.1	
	Aberdeen	79	1032.1	-	S	1	38	97	7	5				1029.8	-24	WN	1	41	85	5					1	45	39	30			0.0		
	Wick	81	1032.4	-	WSW	2	40	97	7	5	7	4.6	4.6	1500	1028.3	-22	WSW	2	44	92	7	5	7	8		1	46	37	*		*	0.0	
	Lerwick	156	1028.9	-	W	4	45	85	7	3	7	4.6	7.8	1500	1028.6	-28	WS	4	45	97	6	2				1	43	43	*	0.5	2	0.4	
17	Blacksod Point	18	1034.7	-	E	1	37	92	7					1032.4	-12	E	0	35	97	3					0	46	30	*		*	0.5		
	Malin Head	84	1035.8	-	E	0	36	92	8					1032.9	-10	SSW	1	35	92	6					0	47	33	*		*	0.5		
	Aldergrove	268	1035.7	-	EN	1	29	97	4					1033.2	-16	E	0	32	97	1					3	40	26	20			2.5		
19	Birr Castle	173	1035.5	-	SSW	1	18	97	3					1033.5	-	SSW	1	18	97	3					3	36	16	16			1.4		
	Valentia Obay.	30	1034.0	-	EN	3	36	75	6	5		1	2.3	2.3	800	1032.3	-12	NE	2	35	85	7	5			2	45	33	26	Tr	Tr	6.2	
	Roches Point	22	1034.0	-	E	3	33	92	8					1032.2	-8	EN	4	33	92	8					3	45	31	*		*	*		

LONDON OBSERVATIONS
Day 7h-18h, Kew & Croydon.
9h-18h, Kensington.
9h-21h, other stations except for rainfall which is 9h-18h.

STATIONS.	Height above M.S.L. in feet.	Weather			Temperature.			Rainfall.		Humidity.		Sunshine to Sunset hrs.	15h. G.M.T. %	9h. G.M.T. %	Visibility 9h.
		Morning	Afternoon	Night	Day Max.	Night Min.	Min. on Grass °F.	Day.	Night.	Yesterday.	To-day.				
Kew	18	bFFx	bFFx	bFFx	36	24	13	Tr	Tr	0.0					
CROYDON	217	bmkbf	bf	bfofx	34	23	15			0.0					
GREENWICH (Royal Observatory)															

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday 15th January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th January, 1940.
1 S.E. England	Wind northwest, slowly freshening, veering north tomorrow; fair but fog in places at first, clearing; cloudy, some rain or sleet perhaps snow later; less cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Wind northwest, light to moderate; fine to-day; cloudy, some light rain or sleet tomorrow; less cold.
5 S.W. England	
6 South Wales ...	Wind northwest, moderate, freshening, veering north perhaps strong locally on the coast; cloudy occasional rain sleet and snow; less cold.
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Wind becoming north to northeast, fresh or strong, to gale at times on the coast; occasional sleet and snow; brighter periods and snow showers tomorrow; cold.
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	As 7 - 9.
15 N. E. Scotland	
16 Orkneys and Shetlands	As 4 - 6.
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 4 - 6.
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.

Pressure is very high in the Greenland-Iceland area. A depression over South Norway will move south and probably deepen whilst associated trough will move southwards over the British Isles. Unsettled conditions with some rain, sleet and snow will spread down from the North accompanied by some rise in temperature at least temporarily. Fog in eastern and southern England will clear slowly.

FURTHER OUTLOOK.

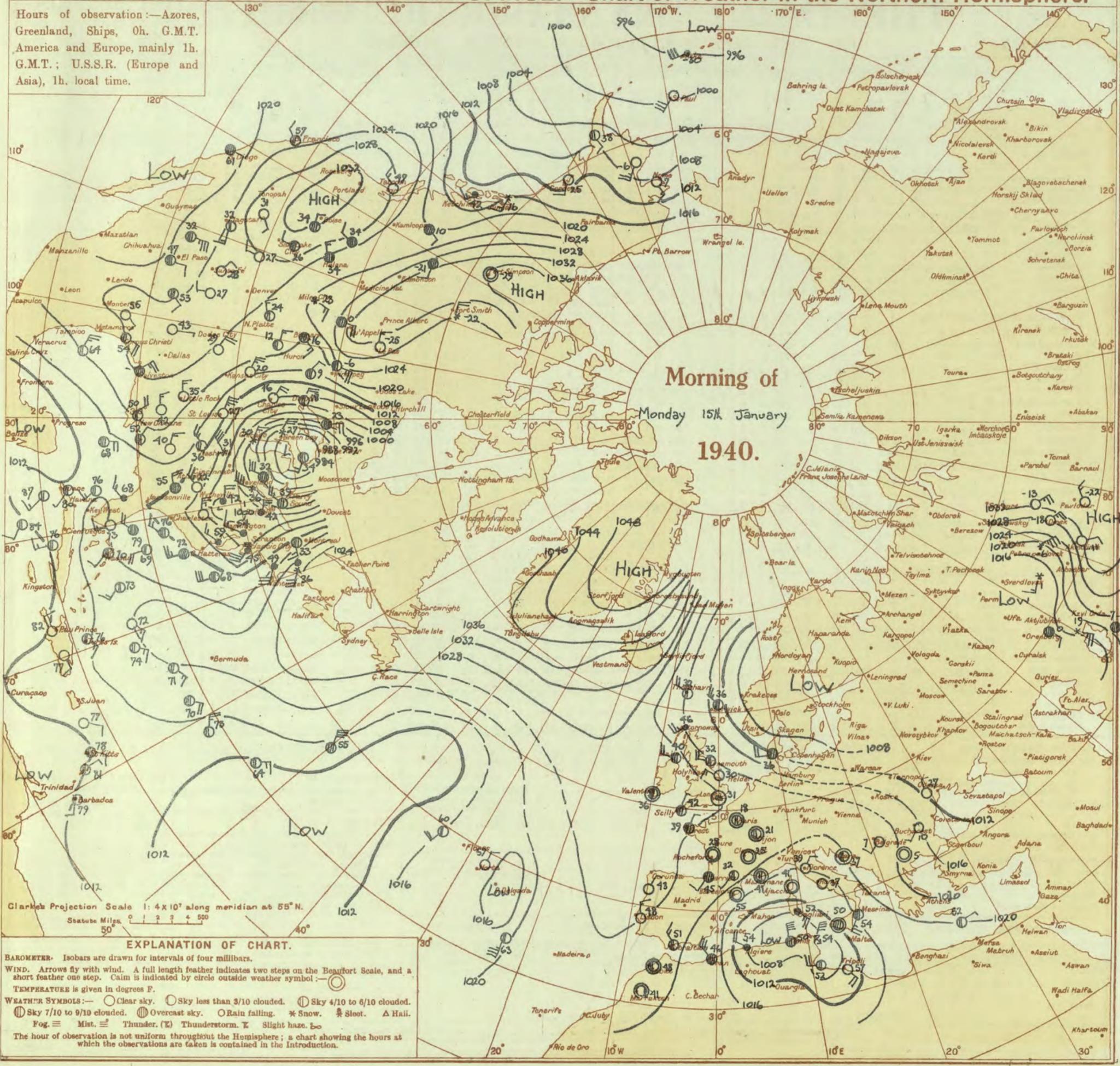
Wintry conditions in most districts.

Forecasts issued at 1100 GMT. N. K. JOHNSON, D.Sc., A.R.C.S., Director.

H.M.S.O. Press, Cornwall House, S.E.1. 2474/3826, W. 8128, D. 4626, Sp. 348, 1/40

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.



Clarke's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

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. ⚡ 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.

Main table of weather observations at 1 hr. G.M.T., 7 hr. G.M.T., and Past 24 Hours. Columns include District, Stations, Barom., Wind, Weather, Temp., Humid., Cloud, and Sea.

LONDON OBSERVATIONS table with columns for Day 7h-18h, 9h-18h, 9h-21h, and other stations.

Weather, Temperature, Rainfall, Sun-shine, Humidity, and Atmospheric Pollution tables.

SOUTH KENSINGTON and KEW OBSERVATORY tables.

EXPLANATION OF FIGURES, LETTERS, etc. section with columns for COLUMNS 2, 16, 8, 22, 18, 30, 34, 35.

FOREIGN OBSERVATIONS table for Paris, Brussels, Berlin, Zurich, Rome.

18h. G.M.T., 7h. G.M.T., and Past 24 Hours tables for foreign stations.

THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Table with columns for District, Stations, Observations at 13h G.M.T. 15th January, Observations at 18h G.M.T. 15th January, and Past 24 Hours. Includes weather symbols and numerical data for various stations like London, Birmingham, and Liverpool.

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.

q, squalls. r, rain. s, snow. rs, sleet. t, thunder. u, ugly, threatening sky. v, unusual visibility. w, dew.

COLUMNS 9, 23.—FORM OF LOW CLOUD.

- 0 No low clouds. 1 Fair weather Cu. 2 Large Cu without anvil. 3 Cb. 4 Sc formed by the spreading out of Cu.

COLUMNS 12, 13, 26, 27.

Columns 12, 26. The figures in these columns indicate the amount of cloud at the height given in Column 14. Columns 13, 27. The figures in these columns indicate the total amount of all forms of cloud.

COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

- 0 No medium clouds. 1 Typical As (thin). 2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).

Cloud form abbreviations:—

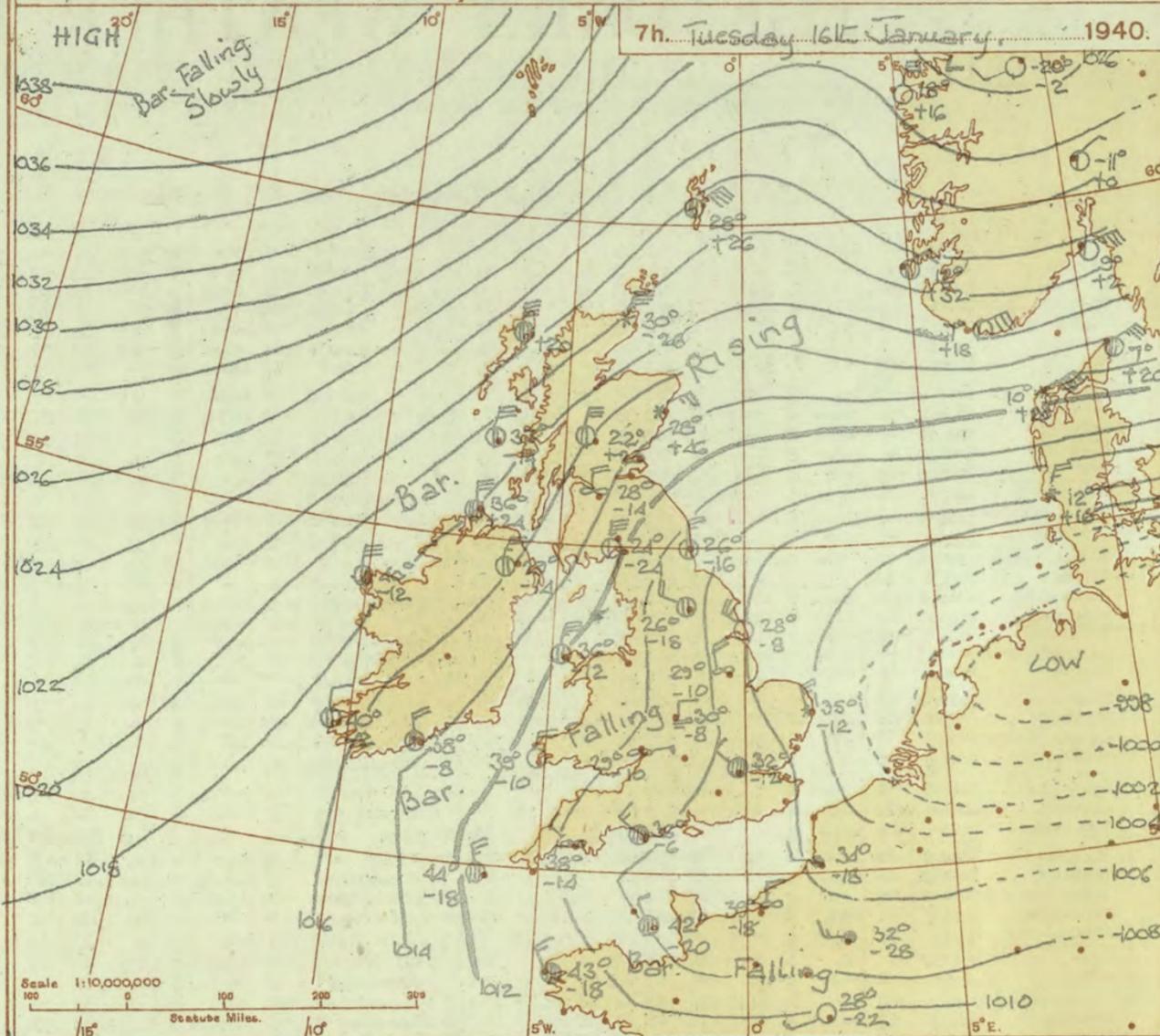
Cirrus.—Ci: Cirrocumulus.—Cc: Cirrostratus.—Cs: Altopcumulus.—Ac: Altostratus.—As: Stratocumulus.—Sc: Stratus.—St: Nimbostratus.—Ns: Cumulus.—Cu: Cumulonimbus.—Cb.

COLUMN 29—STATE OF GROUND.

- 0 .. Ground dry. 1 .. wet. 2 .. flooded. 3 .. frozen hard and dry. 4 .. partly covered with snow or hail. 5 .. covered with ice of glazed frost.

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.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th January, 1940.
1 S.E. England	Wind becoming northeast, fresh to strong and squally on the coast; mainly cloudy; occasional snow showers, especially on the coast; very cold; continuous frost.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	
6 South Wales ...	
7 North Wales ...	Wind northeast, strong to gale on coast, moderating by tomorrow; cloudy, with showers especially on the coast and in the hills; brighter periods inland; very cold, continuous frost.
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.	As 7 - 11.
14 Mid Scotland	Wind north to northeast, fresh to strong on the coast; fair or fine; cold; night frost.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	Wind north to northeast, fresh to strong on the coast; fair or fine; cold; night frost.
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 intense anticyclone persists in the Greenland - Iceland area and a ridge of high pressure extends across to Scandinavia. A depression over Germany and the Southern North Sea will move south. Weather will be very cold with rather frequent snow showers in eastern districts and on the high ground in the North. In Ireland and parts of the West there will be long fine periods. Northeasterly gales will prevail for a time on the northern and eastern coasts.

FURTHER OUTLOOK.

A fair interval. Very cold for a time but becoming less cold but probably a considerable period of low temperatures and night frost.

Time of Issue of Gale Warnings.

Gale warning issued for districts 11, 13B, 15, 16, at 0900 15/1/40. and for districts 2, 7, 8, 10, 12, 13A, 17, 18, at 0200 16/1/40.

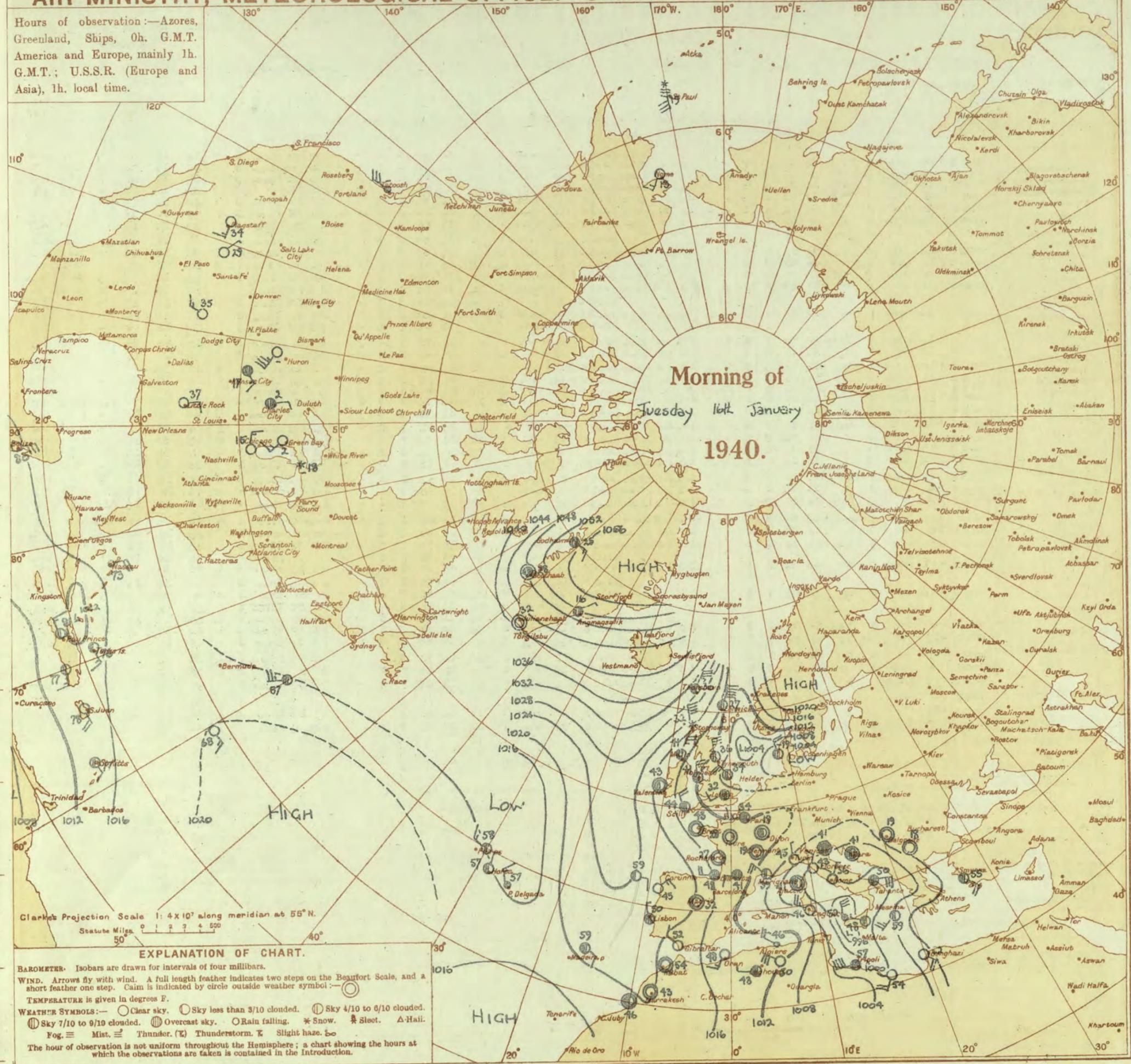
Forecasts issued at 1030.

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

H.M.S.O. Press, Cornwall House, S.E.1. 4474/3008 W. 8103 D. 4626 Gp. 948/140

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
Tuesday 16th January
1940.

Clarke's Projection Scale 1:4 X 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

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. (⚡) 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.

Wednesday 17th January 1940.

No. 28545.

OBSERVATIONS at 13h. G.M.T. 16th January														OBSERVATIONS at 18h. G.M.T. 16th January														PAST 24 HOURS.			
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				Sea. 0-9 (30)	WEATHER.						
				Dirac.	Force. 0-12 (4)				Form.	Amount.	Height of Base. (feet) (14)	Dirac.			Force. 0-12 (18)	Form.				Amount.	Height of Base. (feet) (28)	7h.-13h. 16th (37)	13h.-18h. 16th (38)		18h. to 17h. 17th (39)	1h.-7h. 17th (40)					
1	London (Kew)...	1006.6	-10	NW	4	31	78	5	-	-	4000	1011.0	+34	NE	4	26	65	5	-	23	2-3	1500	8	*	cis. b2x	is. s. sbx	b2x	b2x			
	Croydon ...	1007.0	-6	NW	4	31	78	5	-	-	2500	1010.1	+30	NE	4	26	65	5	-	1	1	1500	8	*	cmzobcz	bccz	b2x	b2x			
	S. Farnborough	1007.3	-6	NW	4	30	68	5	-	-	2500	1010.6	+12	NNE	4	27	85	6	-	3	3	2500	8	*	cmzobcz	bccz	b2x	b2x			
	Boscombe Down	1008.2	-6	NW	4	29	85	6	-	-	2500	1011.2	+26	NNE	4	25	85	6	-	4	4	1500	4	*	cmzobcz	bccz	b2x	b2x			
	Calshot (Soton.)	1007.4	-6	NW	4	30	78	5	-	-	2500	1009.2	+14	NNE	4	29	75	6	-	1	1	1500	3	*	cmzobcz	bccz	b2x	b2x			
	Lympe	1005.9	-2	NW	4	29	78	7	-	-	1500	1007.7	+16	NNE	4	18	26	5	-	9	9	1500	8	§3	bcm. xis.	bccz	b2x	b2x			
	Manston	1004.4	-6	NW	4	30	85	7	-	-	800	1007.1	+28	NE	6	26	57	4	-	3	3	220	8	*	os. s. c.	shmt. psh.	b2x	b2x			
2	Shoeburyness ...	1006.7	-4	NW	3	31	92	7	-	-	4.6	1009.1	-28	NNE	5	26	75	5	-	4	4	1500	8	*	cm. ps.	qst. bc.	b2x	b2x			
	Felixstowe ...	1003.5	-4	NW	4	32	75	7	-	-	1500	1007.7	+30	NNE	4	25	75	7	-	4	4	1500	4	3	cm. ps.	qst. bc.	b2x	b2x			
	Gorleston ...	1005.6	-4	NW	4	29	92	2	-	-	10	1009.8	+20	NE	6	28	75	5	-	3	3	1500	4	4	cm. ps.	qst. bc.	b2x	b2x			
	Mildenhall ...	1006.4	-4	NW	4	29	92	3	-	-	10	1011.6	+38	NNE	4	24	97	5	-	3	3	1500	8	*	cm. ps.	qst. bc.	b2x	b2x			
	Cranwell	1003.0	+12	ENE	6	27	97	4	-	-	10	1014.6	+26	E	4	23	92	7	-	3	3	2500	8	*	cm. ps.	qst. bc.	b2x	b2x			
3	Birmingham	1009.4	0	NW	4	29	85	5	-	-	0	1015.3	+16	NNE	4	24	85	6	-	4	4	1500	8	*	cm. ps.	qst. bc.	b2x	b2x			
	Upper Heyford	1008.6	-6	NW	5	29	85	6	-	-	7.8	1013.7	+24	NE	4	23	65	8	-	4	4	4000	4	*	cm. ps.	qst. bc.	b2x	b2x			
4	Ross-on-Wye ...	1009.5	-6	N	4	31	63	8	-	-	1	1014.5	+30	NE	4	26	65	6	-	3	3	2500	3	*	cm. ps.	qst. bc.	b2x	b2x			
5	Hartland Point	1010.2	+4	NNE	5	34	75	8	-	-	4.6	1011.4	+10	NNE	5	33	85	7	-	6	6	2500	3	4	cm. ps.	qst. bc.	b2x	b2x			
	Bristol ...	1009.5	-6	NNE	5	34	75	8	-	-	4.6	1013.3	+24	NE	4	27	65	6	-	3	3	2500	3	*	cm. ps.	qst. bc.	b2x	b2x			
	Portland Bill ...	1008.0	-6	NNE	4	32	92	5	-	-	4.6	1009.4	+8	NE	4	30	92	8	-	4	4	4000	1	3	cm. ps.	qst. bc.	b2x	b2x			
	Plymouth ...	1009.5	0	NNE	4	33	85	6	-	-	10	1011.5	+4	NE	4	31	65	6	-	3	3	2500	3	3	cm. ps.	qst. bc.	b2x	b2x			
	The Lizard ...	1005.7	-6	N	6	38	85	8	-	-	4.6	1011.6	+4	N	3	33	75	8	-	6	6	2500	1	1	cm. ps.	qst. bc.	b2x	b2x			
	Scilly (St. Mary's)	1011.1	-2	NNE	6	40	75	7	-	-	7.8	1011.7	+2	NW	6	37	65	8	-	6	6	1500	4	4	cm. ps.	qst. bc.	b2x	b2x			
	Guernsey ...	1006.7	-10	NNE	1	46	75	7	-	-	7.8	1008.0	+20	NNE	1	32	65	7	-	8	8	1500	4	2	cm. ps.	qst. bc.	b2x	b2x			
6	Pembroke ...	1012.2	+2	NNE	4	34	85	7	-	-	4.6	1015.4	+32	ENE	5	30	92	7	-	8	8	1500	1	2	cm. ps.	qst. bc.	b2x	b2x			
	Holyhead ...	1011.6	-14	NNE	3	36	65	6	-	-	9	1018.0	+30	ENE	7	29	85	6	-	8	8	1500	4	5	cm. ps.	qst. bc.	b2x	b2x			
	Chester (Sealand)	1012.1	+10	NE	4	32	92	2	-	-	10	1019.3	+42	NE	3	27	85	5	-	8	8	1500	4	*	cm. ps.	qst. bc.	b2x	b2x			
	Manchester ...	1012.3	+22	NE	5	28	97	4	-	-	10	1017.7	+30	NNE	4	25	75	4	-	8	8	2500	8	*	cm. ps.	qst. bc.	b2x	b2x			
10	Spurn Head ...	1005.7	+22	NE	6	29	92	6	-	-	3	1014.1	+12	NE	6	24	97	5	-	3	3	800	8	5	cm. ps.	qst. bc.	b2x	b2x			
	Catterick ...	1014.7	+56	ENE	5	25	85	6	-	-	3	1019.2	+20	NE	4	23	92	6	-	3	3	1500	8	3	cm. ps.	qst. bc.	b2x	b2x			
	Tynemouth ...	1015.3	+34	NE	6	29	85	6	-	-	7.8	1020.3	+20	NE	8	27	92	6	-	3	3	2500	8	4	cm. ps.	qst. bc.	b2x	b2x			
11	St. Abbs Head	1019.2	+34	NNE	6	29	92	8	-	-	4.6	1021.8	+8	NE	5	27	65	7	-	8	8	1500	4	4	cm. ps.	qst. bc.	b2x	b2x			
	Leuchars ...	1020.8	+22	N	2	26	97	7	-	-	3	1024.7	+22	NNE	2	25	92	4	-	8	8	1500	8	*	cm. ps.	qst. bc.	b2x	b2x			
12	Renfrew (Abbots L.)	1021.3	+22	NE	5	30	65	9	-	-	4.6	1024.5	+24	NE	3	27	83	3	-	5	5	4000	3	*	cm. ps.	qst. bc.	b2x	b2x			
	Eskdalemuir ...	1018.2	+40	NE	5	26	85	8	-	-	4.6	1022.5	+20	NE	4	22	83	7	-	6	6	1500	8	*	cm. ps.	qst. bc.	b2x	b2x			
	Point of Ayre ...	1017.3	+40	EN	7	33	92	8	-	-	7.8	1021.5	+12	EN	6	30	75	8	-	8	8	2500	3	4	cm. ps.	qst. bc.	b2x	b2x			
13A	Tiree ...	1023.9	+8	NNE	5	34	65	8	-	-	4.6	1025.6	+4	NE	4	32	75	8	-	4	4	4000	0	4	cm. ps.	qst. bc.	b2x	b2x			
13B	Stornoway ...	1027.3	+6	NE	7	31	85	6	-	-	3	1028.5	+8	NE	4	31	85	7	-	3	3	1500	4	2	cm. ps.	qst. bc.	b2x	b2x			
15	Dalwhinnie ...	1023.4	+8	NE	4	23	92	6	-	-	7.8	1025.5	+18	NE	3	20	97	7	-	8	8	2500	9	*	cm. ps.	qst. bc.	b2x	b2x			
	Aberdeen ...	1022.1	+8	NE	5	28	75	8	-	-	7.8	1026.0	+20	NNE	5	27	55	6	-	9	9	1500	8	4	cm. ps.	qst. bc.	b2x	b2x			
	Wick ...	1024.6	+4	NNE	8	30	85	7	-	-	4.6	1027.0	+12	NE	6	30	97	7	-	5	5	1500	4	3	cm. ps.	qst. bc.	b2x	b2x			
	Lerwick ...	1026.8	+8	EN	6	28	85	8	-	-	7.8	1028.2	-2	SE	3	27	85	8	-	3	3	1500	4	*	cm. ps.	qst. bc.	b2x	b2x			
17	Blacksod Point...	1021.8	+12	NE	6	37	75	8	-	-	10	1023.8	+12	ENE	4	35	85	8	-	4	4	2500	1	4	cm. ps.	qst. bc.	b2x	b2x			
	Malin Head ...	1022.3	+16	NNE	6	34	85	8	-	-	4.6	1024.5	+16	NNE	3	33	75	8	-	4	4	5700	3	*	cm. ps.	qst. bc.	b2x	b2x			
	Aldergrove ...	1019.5	+4	NE	5	32	65	8	-	-	3	1022.9	+18	ENE	4	30	75	8	-	3	3	2500	3	*	cm. ps.	qst. bc.	b2x	b2x			
19	Birr Castle ...	1018.8	*	NNE	2	33	75	8	-	-	0	1021.3	*	N	2	28	92	8	-	0	0	-	3	*	cm. ps.	qst. bc.	b2x	b2x			
	Valentia Obsy. †	1019.8	+12	NE	6	36	45	9	-	-	7	1021.8	+18	NE	3	32	55	9	-	7	7	4000	0	5	cm. ps.	qst. bc.	b2x	b2x			
	Roches Point ...	1017.3	+6	NNE	5	35	65	8	-	-	2.3	1019.5	+18	NNE	5	31	85	5	-	2	2	2500	1	3	cm. ps.	qst. bc.	b2x	b2x			

EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

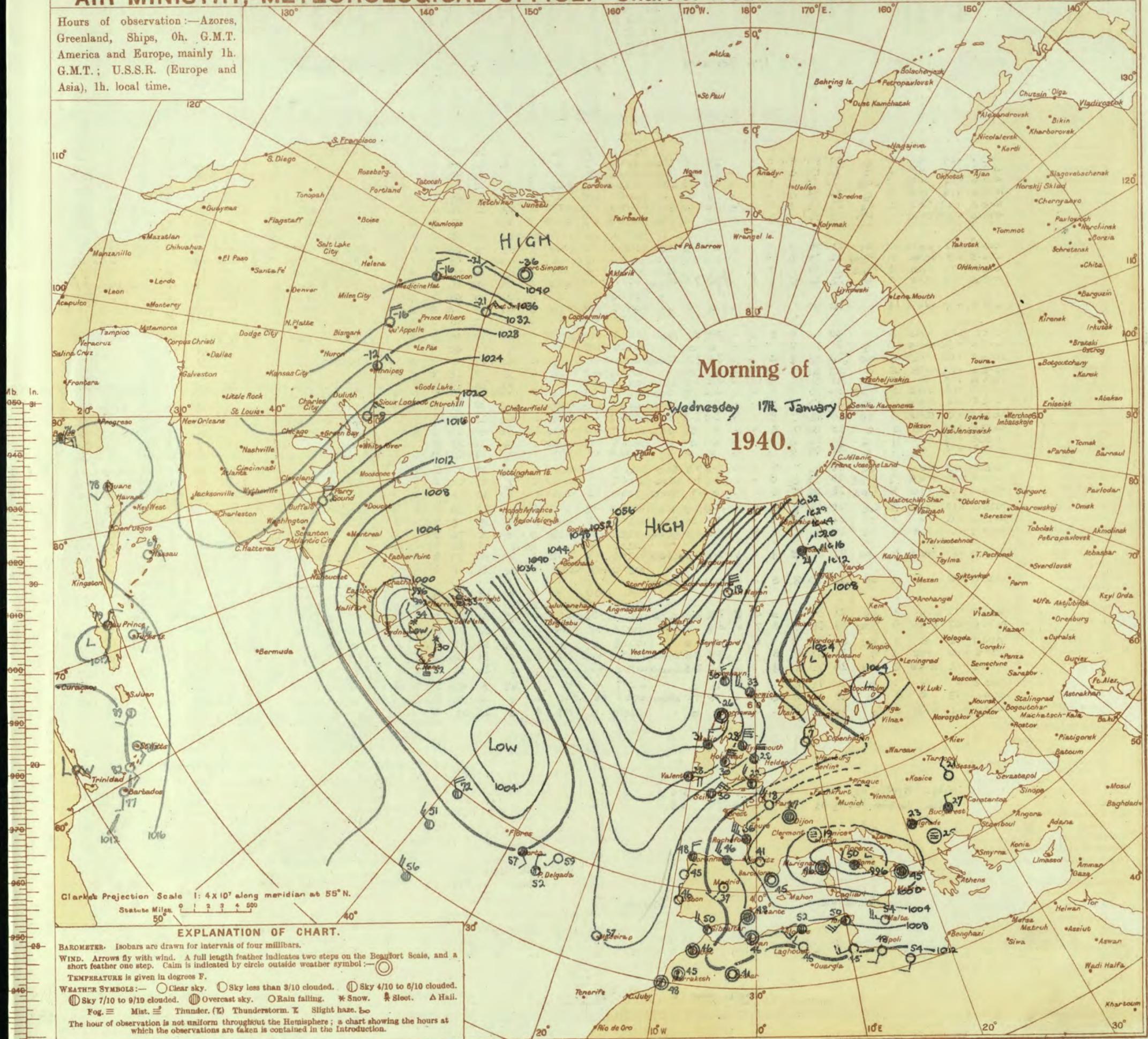
COLUMNS 5, 19, 37, 38, 39, 40.—BEAUFORT NOTATION
AND SYMBOLS FOR WEATHER.

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 220-1100 yds.
F, thick fog, less than 220 yds.
fa, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.

q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r, slight rain.
rr, continuous rain.
<, less than (for cloud height). %gale.
☉ Solar halo. ☽ lunar halo. ☀ Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus: -bc/r, fair weather after rain; -, has decreased; +, has increased.

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.



Morning of
Wednesday 17th January
1940.

Glaisher Projection Scale 1: 4x10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

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. Δ Hail. Fog. ≡ Mist. ⚡ Thunder. (T) 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

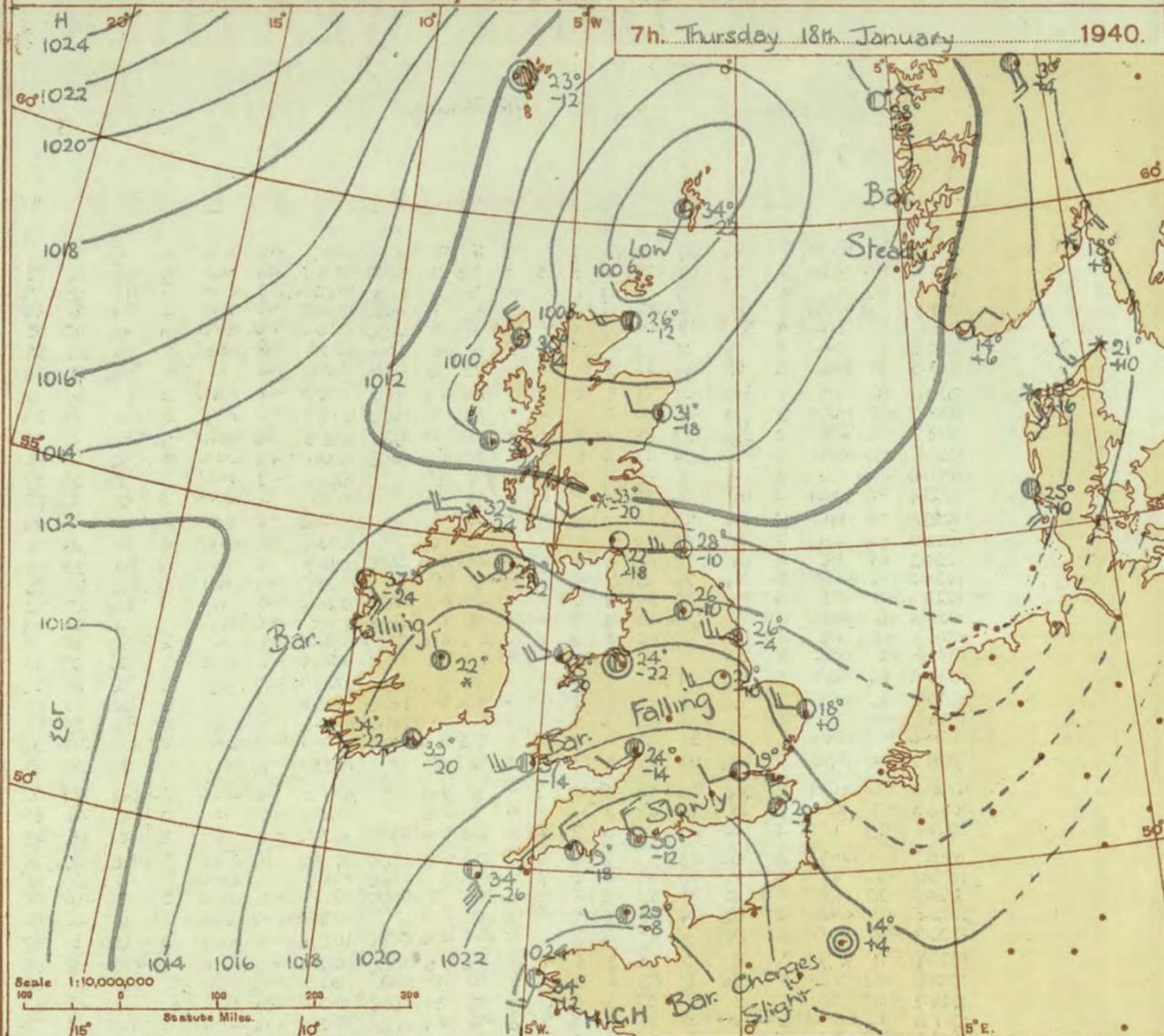
OF THE METEOROLOGICAL OFFICE, LONDON.

Thursday 18th January 1940.

No 28,546

OBSERVATIONS at 13h. G.M.T. 17th January														OBSERVATIONS at 18h. G.M.T. 17th January														PAST 24 HOURS.							
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (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)	WEATHER.					
				Dir.	Force. 0-12 (4)					Form.	Amount.	Height of Base. (feet) (14)	Form.	Amount.			Height of Base. (feet) (14)	Form.					Amount.	Height of Base. (feet) (14)	Form.	Amount.	Height of Base. (feet) (14)			7h.—18h. 17h. (37)	18h.—18h. 17h. (38)	18h.—18h. 17h. (39)	1h.—7h. 18h. (40)		
1	London (Kew)...	1021.5	0	NW	4	Xc	27	75	5	5	4	Tr	Tr	4000	1022.7	+10	NW	3	Zo	26	65	8	-	-	-	0	0	-	0	*	bz,x	bz,bzx	bzx	bm,x	
	Croydon ...	1021.2	+2	NW	3	Nc	27	75	5	3	-	Tr	Tr	4000	1022.2	+10	NW	3	bf	26	75	3	-	-	-	0	0	-	8	*	bmof	bc,bz,z	bf,m,m	bz,bm	
	S. Farnborough	1021.9	-6	NW	4	Nc	27	75	7	1	-	Tr	Tr	2500	1023.3	+8	NW	3	m	25	75	4	-	-	-	0	0	-	8	*	bmob	bc,zb,z	bf,m,m	bz,bm	
	Boscombe Down	1022.5	-10	NW	3	Nc	26	85	7	1	-	Tr	Tr	4000	1024.2	+10	NW	3	Zo	27	85	6	-	-	-	0	0	-	3	*	bmob	bm	bm	bm	
	Calshot (Soton)	1021.7	+2	NW	3	Nc	28	65	7	1	-	Tr	Tr	2500	1023.0	+10	NW	3	Zo	27	75	6	-	-	-	0	0	-	3	*	bxm	bm,x	bm	bm,x	
	Lympe ...	1020.3	+6	NW	4	SS	23	85	4	5	-	10	10	450	1020.8	+6	NW	4	Zo	23	85	6	-	-	-	0	0	-	9	*	om,ff,ss	os,ss,sm	os,ss,sm	bm,z,x	
	Manston ...	1019.3	+2	NNE	3	ST	24	85	3	-	-	10	10	150	1020.0	+4	N	6	SS	26	75	3	6	-	-	1	1	220	9	*	ph,ss	ss,bks	bks,sm	bm	
2	Shoeburyness ...	1020.5	+6	NW	3	bc	27	85	8	8	-	4-6	4-6	1500	1020.9	+4	NW	3	b	24	75	6	-	-	-	1	1	5700	8	*	bc,pc	bc,ps,ob	bc,sm	bc,sm	
	Felixstowe ...	1018.0	+2	NW	3	ps	25	85	3	8	-	10	10	1500	1017.7	-2	NW	3	Zo	24	75	6	-	-	-	0	0	-	8	*	bc,ps	ps,sm	bc,sm	bc,sm	
	Gorleston ...	1018.7	-2	WS	2	bc	27	85	4	8	-	3+	3+	1500	1018.9	+6	NW	3	bc	25	85	7	5	-	-	2-3	2-3	2500	7	2	cp,ss	cp,ss,bc	bc,bz,x	bz,bz,x	
	Mildenhall ...	1020.6	-6	NW	3	bc	24	97	6	9	7	2-3	4-6	4000	1021.1	+2	NW	4	Zo	19	85	6	-	-	-	0	0	-	8	*	cp,se,sm	bc,sm	bc,sm	bm,x	
	Cranwell ...	1021.6	-10	NW	3	bc	26	85	4	-	-	0	0	-	1021.4	-2	NW	3	Zo	23	97	6	-	-	-	0	0	-	8	*	bc,ps,sm	bc,sm	bc,sm	bm,m	
3	Birmingham	1023.4	-8	NW	3	m	26	75	4	-	-	0	0	-	1023.7	0	NW	3	b	25	75	6	-	-	-	0	0	-	8	*	bz	bz	bz	bz	
	Upper Heyford	1022.9	-4	NW	4	Zo	25	75	5	-	-	0	0	-	1023.5	+2	NW	4	Zo	24	85	6	-	-	-	0	0	-	4	*	bc,ps,sm	bz,z	bz,bz,sm	b	
	Ross-on-Wye ...	1023.9	-4	NW	2	b	27	75	7	-	-	0	0	-	1028.4	+4	WSW	2	b	24	75	9	-	-	-	0	0	-	4	*	bc,bz	bz	bz	bz	
5	Hartland Point	1024.3	+4	NE	4	bc	28	65	8	4	-	4-6	4-6	2500	1025.7	0	NNE	2	bc	29	65	8	1	-	-	2-3	2-3	2500	3	2	bc	bc	bc	bc	
	Bristol ...	1024.2	-2	NW	3	Zo	26	75	6	-	-	0	0	-	1025.2	+4	NW	3	Zo	23	75	6	1	-	-	Tr	Tr	2500	3	*	bc	bc	bc	bc	
	Portland Bill ...	1022.6	+8	NE	4	bc	29	92	8	5	-	4-6	4-6	4000	1024.4	+10	N	4	bc	27	92	8	5	-	-	4-6	4-6	4000	4	4	bc	bc	bc	bc	
	Plymouth ...	1024.4	+6	NNE	4	b	29	65	8	1	-	Tr	Tr	4000	1025.7	+6	NW	3	Zo	27	75	5	1	-	-	0	0	-	1	1	b	bz	bz,z,m	bc,m	
	The Lizard ...	1024.3	+8	NE	4	bc	29	65	8	1	6	4-6	4-6	2500	1026.5	+8	N	2	bc	25	75	8	8	-	-	2-3	2-3	2500	4	4	bc	bc	bc	bc	
	Scilly (St. Mary's)	1024.6	+8	NEE	5	bc	31	85	8	8	-	4-6	4-6	2500	1026.4	+6	ENE	1	bc	27	85	8	1	-	-	4-6	4-6	2500	3	2	cp,abc	bc	bc	bc	
	Guernsey ...	1020.4	+6	NEE	5	bc	31	92	8	8	-	9	9	1500	1023.6	+12	NE	3	c	31	92	8	8	-	-	9	9	1500	3	4	bc	bc	bc	bc	
6	Pembroke ...	1025.9	+6	ENE	2	bc	30	75	8	5	-	2-3	2-3	2500	1025.8	0	-	0	bc	25	85	8	5	-	-	2-3	2-3	2500	3	1	bc	bc	bc	bc	
	Holyhead ...	1023.6	-4	-	0	b	34	65	8	1	-	1	1	2500	1024.8	-2	W	4	ps	35	85	6	6	-	-	5+	5+	450	8	2	bc,ps,ob	bc,ps,c	bc,ps,y,ob	bc	
	Chester (Sealand)	1024.6	-12	NW	3	b	31	85	7	7	-	2-3	2-3	2500	1024.1	-4	WN	2	bc	30	92	6	5	-	-	4-6	4-6	2500	8	*	bc,sm	bc,sm	bc,sm	bc,sm	
	Manchester ...	1024.2	-14	NW	3	Zo	28	65	5	-	-	0	0	-	1023.7	-6	NW	1	Zo	24	85	5	5	-	-	2-3	2-3	4000	8	*	bc,off,z	bz,ob,sm	bc,sm	bc,sm	
10	Spurn Head ...	1020.2	-6	NW	5	bc	25	92	5	3	-	0	2-3	-	1018.9	-6	NW	7	bc	25	92	7	-	-	-	0	0	-	4	4	bc	bc	bc	bc	
	Catterick ...	1023.9	-2	W	3	b	32	65	7	-	4	0	4-6	-	1020.6	-6	W	5	bc	25	65	7	-	-	4	0	4-6	-	8	2	bc	bc	bc	bc	
	Tynemouth ...	1022.1	-20	W	4	Zo	20	85	5	2	4	1	2-3	4-6	2500	1020.3	-8	W	5	bc	26	92	6	2	-	-	2-3	2-3	2500	4	3	bc	bc	bc	bc
11	St. Abbs Head	1019.7	-14	NW	5	bc	27	75	8	4	2	2-3	4-6	2500	1017.2	-10	NW	5	bc	30	75	7	4	1	2-3	4-6	2500	4	3	bc	bc	bc	bc		
	Leuchars ...	1020.0	-26	W	4	c	27	85	8	5	7	4-6	9	2500	1018.0	-16	NW	3	c	30	75	8	4	7	-	0	9+	-	8	*	bc,pc,xc	bc	bc	bc	
	Reufrew (Abbots L.)	1024.2	-20	W	4	c	31	85	5	5	-	6	Tr	9	4000	1020.6	-26	WSW	5	c	30	75	8	5	-	8	9+	10	4000	3	*	bc,pc,xc	bc	bc	bc
	Eskdalemuir ...	1022.8	-20	NW	4	bc	24	85	8	-	6	0	2-3	-	1021.3	-2	ESE	2	c	23	75	7	-	-	7	0	7-8	-	8	*	bc	bc	bc	bc	
	Point of Ayre ...	1024.9	-10	NW	4	bc	34	97	8	2	-	4-6	4-6	4000	1023.3	-6	NW	5	bc	31	97	8	2	-	-	6	4-6	2500	3	3	b	bc	bc	bc	
13A	Tiree ...	1025.0	-16	NW	3	c	37	65	9	4	4	4-6	7-8	4000	1013.0	-10	NW	4	bc	38	65	8	8	5	-	4-6	4-6	1500	0	4	bc	bc	bc	bc	
13B	Stormoway ...	1021.8	-24	SW	4	ps	33	85	6	3	-	10	10	1500	1019.3	-12	SW	2	c	31	85	7	5	7	6	1	9	2500	1	1	bc,ps,sh	bc	bc	bc	
15	Dalwhinnie ...	1022.8	-20	S	2	c	24	97	8	4	6	Tr	9+	4000	1018.0	-26	SW	5	is	27	97	6	8	6	-	7-8	10	2500	8	*	bc	bc	bc	bc	
	Aberdeen ...	1017.6	-22	NW	5	bc	30	75	8	3	7	4-6	4-6	4000	1015.8	-16	NW	5	bc	31	75	7	7	-	-	0	4-6	-	8	2	bc,ps	bc	bc	bc	
	Wick ...	1018.0	-12	NW	2	ss	31	97	2	5	-	10	10	220	1014.8	-12	W	3	ps	31	97	5	5	2	-	7-8	10	800	5	*	ph,ss	ps	ss,ss	ss,ss	
	Lerwick ...	1014.4	-16	NW	3	c	31	85	8	8	7	7-8	9	800	1012.8	-6	NW	2	bc	30	85	7	8	7	-	7-8	9	800	8	*	ps	ps	ss	ss,ps	
17	Blacksod Point...	1026.9	-6	SE	3	bc	33	92	9	4	-	0	2-3	-	1024.9	-16	S	1	b	32	97	9	-	-	-	0	0	-	0	1	bc	bc	bc	b	
	Malin Head ...	1025.9	-12	S	2	c	30	65	8	5	-																								

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th January, 1940
1 S.E. England	Wind west backing southwest light or moderate; mainly fair apart from slight scattered snow showers; cold but temperature somewhat higher than of late.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	As 6 - 7.
5 S.W. England	Wind south to southeast fresh; cloudy with snow followed by sleet or rain; temperature rising somewhat.
6 South Wales ...	
7 North Wales ...	Wind southwest backing south moderate; occasional snow showers to-day; more general snow or sleet later; cold but temperature rising somewhat above freezing.
8 N.W. England	
9 N. Midlands ...	Wind west to southwest moderate; occasional snow; cold.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Wind variable; snow at times; cold.
13 A.W.Scotland. B.N.W.Scotland.	
14 Mid Scotland	Wind southwest moderate; occasional snow; cold.
15 N. E. Scotland	
16 Orkneys and Shetlands	Wind between south and east moderate; snow showers; cold.
17 N. W. Ireland	
18 N. E. Ireland	As 8 - 12.
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.

A Depression near Shetland is moving slowly southwest. A wedge of high pressure covers England and a new depression off Southwest Ireland is spreading eastwards. There will be occasional snow showers in Scotland and East England while more general snow followed by sleet or rain will spread slowly over our southwest districts. Conditions will be less cold than of late, especially in the West.

FURTHER OUTLOOK.

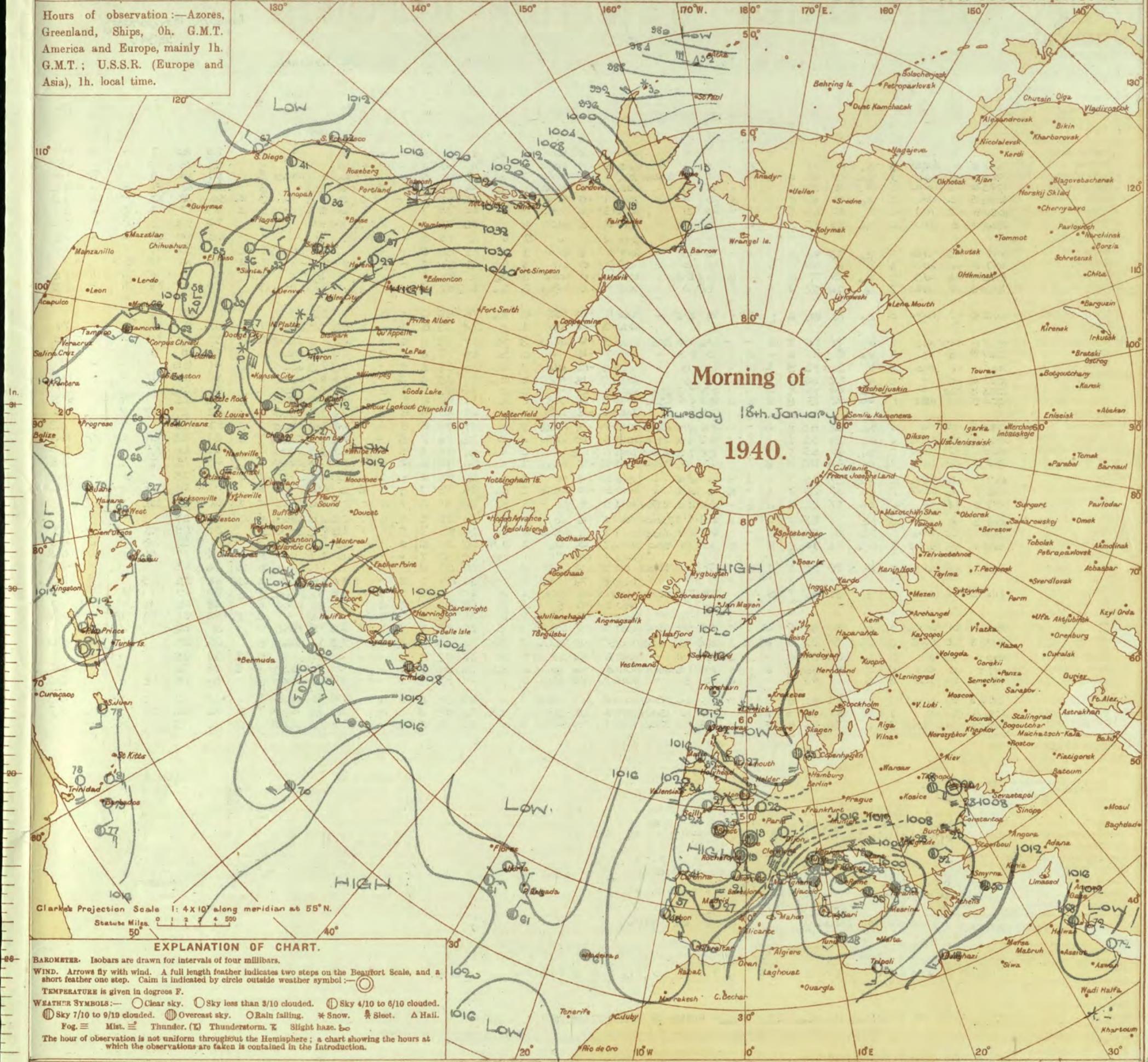
Cold in the East; milder in the West.

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

Forecasts issued at 1100 G.M.T.
H.M.S.O. Press, Cornwall House, S.E.1. 64743206, W. 8109, D 4626, 6p 548 / 40

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.



Clarke's Projection Scale 1: 4x10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500
 50

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. Δ 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.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes data for London (Kew, Croydon, etc.), Birmingham, and various coastal stations.

LONDON OBSERVATIONS table with columns for Day 7h-18h, 9h-18h, and 9h-21h. Includes data for Kew, Croydon, Greenwiche, etc.

Table with columns for Weather, Temperature, Rainfall, Sun-shine, Humidity, and Atmospheric Pollution. Includes data for 24 hrs. ended 9h and 7h G.M.T.

EXPLANATION OF FIGURES, LETTERS, etc. section with columns for COLUMNS 2, 16, 4, 8, 22, 30, 34, 35. Includes definitions for barometric tendency, wind scale, and sea state.

FOREIGN OBSERVATIONS table with columns for Stations, Barom. mb., Wind, Weather, Temp. °F., and Rainfall.

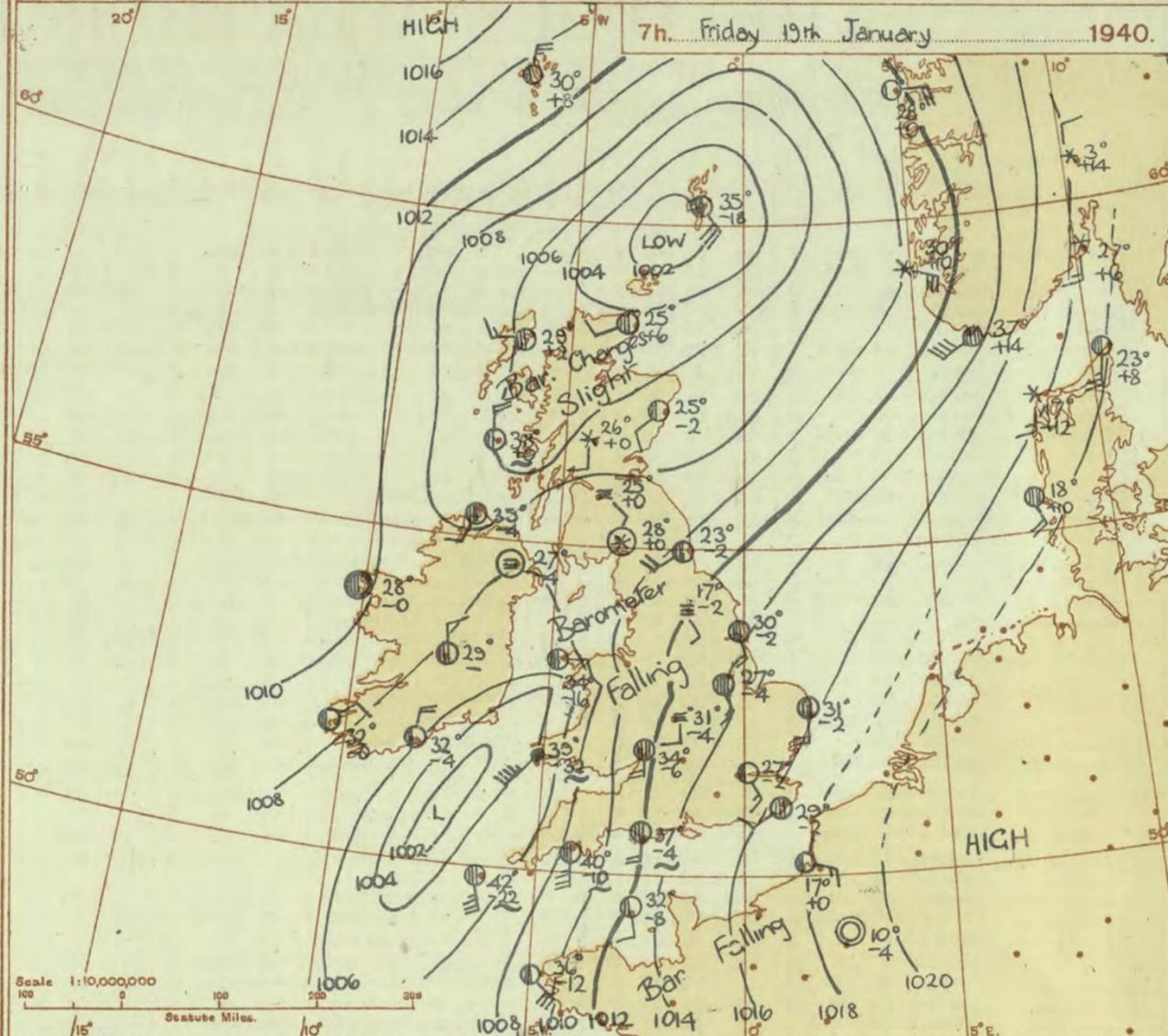
Table with columns for 18h. G.M.T., 7h. G.M.T., and Past 24 Hours. Includes data for Paris, Brussels, Berlin, Zurich, and Rome.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 18th. January															OBSERVATIONS at 18h. G.M.T. 18th. January															PAST 24 HOURS.					
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. M.S.L. mb. (1)	Change in 8 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.				Barom. M.S.L. mb. (15)	Change in 8 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.				Sea. 0-9 (30)	WEATHER.										
				Dir.	Force. 0-12 (4)				Form.	Amount.	Height of Base. (feet) (14)	Dir.			Force. 0-12 (18)	Form.				Amount.	Height of Base. (feet) (28)	7h.-18h. 18th. (37)	18h.-18h. 18th. (38)		18h.-18h. 19th. (39)	1h.-7h. 19th. (40)									
1	London (Kew)...	1018.9	-16	WSW	2	31	65	5	3	2	0	4-6	-	1018.1	-2	SSW	2	bef	30	85	3	5	1	2-3	2-3	5700	3	*	embcmx	bcmx	bcmx	bcmx	bcmx		
	Croydon ...	1019.4	-14	SW	3	33	65	6	-	2	0	7-8	-	1018.5	-2	S	3	m	27	85	4	-	3	0	4-6	-	3	*	bcmx	bcmx	bcmx	bcmx	bcmx		
	S. Farnborough	1019.3	-20	SW	3	35	65	7	-	8	0	2-3	-	1018.2	-6	SE	3	bct	28	92	3	-	3	0	4-6	-	3	*	bcmx	bcmx	bcmx	bcmx	bcmx		
	Boscombe Down	1019.3	-18	SW	3	35	65	7	5	8	2-3	7-8	5700	1017.7	-6	S	3	z	30	97	6	5	7	7-8	7-8	2500	1	*	bc	cmx	cmx	cmx	cmx		
	Calshot (Soton.)	1019.7	-20	N	3	35	65	6	5	3	6	1	4-6	4000	1018.3	-4	SW	2	ps	32	92	6	8	3	4-6	7-8	1500	3	2	cmx	cmx	cmx	cmx	cmx	
	Lympe	1020.1	-10	WNW	1	28	75	6	-	6	0	7-8	-	1019.8	+2	WS	2	bc	22	85	7	-	4	1	0	2-3	-	3	1	bcb	cmx	cmx	cmx	cmx	
Manston	1018.7	-12	WNW	3	30	65	6	-	6	0	7-8	-	1018.8	-2	SW	3	b	23	76	6	-	1	0	Tr	-	3	*	bcb	bcb	bcb	bcb	bcb			
2	Shoeburyness ...	1018.9	-16	N	3	31	75	4	-	0	0	-	1018.8	0	WSW	2	m	29	78	4	-	-	0	0	-	3	2	bm	bm	bm	bm	bm			
	Felixstowe ...	1016.1	-10	N	3	29	75	5	-	7	0	7-8	-	1016.4	+4	SW	2	z	28	85	5	3	-	4-6	4-6	4000	3	2	bm	bm	bm	bm	bm		
	Gorleston ...	1017.4	-4	SW	2	25	85	6	-	4	0	2-3	-	1017.3	+8	WSW	2	b	23	75	7	-	-	0	0	-	3	2	bcx	bcx	bcx	bcx	bcx		
	Mildenhall ...	1017.6	-14	WSW	3	29	75	6	-	4	8	0	4-6	-	1017.1	+2	SW	3	z	24	97	5	-	-	0	0	-	3	2	bcmx	bcmx	bcmx	bcmx	bcmx	
Cranwell ...	1016.2	-14	WSW	3	29	85	5	-	0	0	0	-	1016.0	+2	SW	3	z	29	97	5	-	-	0	0	-	3	*	bcmx	bcmx	bcmx	bcmx	bcmx			
3	Birmingham	1017.3	-10	SW	3	26	65	6	5	4	-	2-3	2-3	2500	1016.4	-4	SSW	2	z	28	85	5	5	-	1	1	2500	3	*	bcp	bcp	bcp	bcp	bcp	
	Upper Heyford	1018.6	-20	WSW	3	31	75	6	7	4	-	Tr	1	4000	1017.7	+4	SSW	2	z	29	85	6	5	3	-	4-6	7-8	4000	4	*	bcmx	bcmx	bcmx	bcmx	bcmx
4	Ross-on-Wye ...	1017.5	-20	SW	3	35	65	6	5	-	1	1	4000	1016.4	-6	S	2	z	31	85	6	5	-	-	7-8	7-8	2500	4	*	bcb	bcb	bcb	bcb	bcb	
5	Hartland Point	1016.8	-26	SW	4	36	75	7	3	2	-	7-8	9	1500	1014.3	-14	WSW	4	s	34	85	6	6	2	-	7-8	9	1500	3	3	bcb	bcb	bcb	bcb	bcb
	Bristol ...	1018.5	-22	SSW	3	34	65	8	4	4	1	2-3	4-6	4000	1017.0	-6	SW	3	is	33	85	6	5	3	-	7-8	9	4000	3	*	bcb	bcb	bcb	bcb	bcb
	Portland Bill ...	1018.8	-26	WSW	4	37	85	3	4	-	4-6	9	4000	1016.8	-4	WSW	4	c	33	92	8	5	-	-	10	10	4000	1	3	bcb	bcb	bcb	bcb	bcb	
	Plymouth ...	1017.6	-23	SSW	5	39	65	6	3	-	9	9	1500	1015.6	-8	SW	6	c	40	75	7	3	-	-	9	9	1500	1	4	cmx	cmx	cmx	cmx	cmx	
	The Lizard ...	1017.1	-24	S	5	41	65	8	8	6	-	7-8	7-8	2500	1014.4	-10	S	7	gphs	39	85	8	8	2	-	9	10	2500	4	4	cmx	cmx	cmx	cmx	cmx
	Scilly (St. Mary's)	1016.8	-18	SW	5	39	75	8	8	3	4	6	9	1500	1013.0	-14	S	6	gphs	40	75	7	8	2	-	4-6	10	1500	1	4	cmx	cmx	cmx	cmx	cmx
Guernsey ...	1020.6	-26	SW	1	36	55	8	-	3	-	0	1	-	1018.8	-8	SSW	2	b	34	73	8	1	4	-	Tr	1	2500	3	3	bcb	bcb	bcb	bcb	bcb	
6	Pembroke ...	1016.1	-16	WS	4	38	85	8	7	-	7-8	7-8	1500	1014.2	-12	SSW	4	c	38	97	8	8	5	-	7-8	9	1500	1	*	cmx	cmx	cmx	cmx	cmx	
	Holyhead ...	1015.2	-14	WSW	3	37	65	8	8	-	7-8	7-8	1500	1012.6	-10	SW	3	z	37	65	8	2	-	-	7-8	7-8	2500	4	2	bcb	bcb	bcb	bcb	bcb	
	Chester (Sealand)	1015.7	-20	-	0	39	65	8	7	-	4-6	4-6	5700	1014.4	-4	S	3	z	34	75	5	5	-	-	9	9	5700	3	*	bcm	bcm	bcm	bcm	bcm	
8	Manchester ...	1015.5	-20	SW	3	34	65	5	1	-	1	1	4000	1014.4	-2	SW	3	z	30	85	5	5	-	-	2-3	2-3	4000	3	*	bcm	bcm	bcm	bcm	bcm	
10	Spurn Head ...	1015.0	-6	SW	3	29	92	5	-	8	0	7-8	-	1014.0	+2	SW	3	b	29	92	6	-	-	0	0	-	4	2	bcm	bcm	bcm	bcm	bcm		
	Catterick ...	1013.3	-10	S	2	36	65	7	1	-	5	Tr	4-6	2500	1011.3	-10	NE	1	c	33	75	7	5	7	-	4-6	9	4000	6	*	bcm	bcm	bcm	bcm	bcm
	Tynemouth ...	1012.8	-8	WSW	4	35	92	6	8	3	-	4-6	7-8	1500	1012.4	+4	SW	3	z	34	92	5	8	-	-	9	9	2500	4	2	bcb	bcb	bcb	bcb	bcb
11	St. Abbs Head	1008.6	-14	WSW	5	32	75	8	5	6	-	4-6	7-8	2500	1007.3	0	WSW	5	gphs	32	65	7	4	1	-	2-3	9	2500	4	3	bcb	bcb	bcb	bcb	bcb
	Leuchars ...	1008.0	-18	WSW	4	34	92	6	6	-	6	9	10	1500	1008.3	+2	WSW	4	z	33	92	6	5	-	-	9	9	1500	8	*	cx	cx	cx	cx	cx
12	Reafrew (Abbots L.)	1009.8	-16	SW	4	32	97	5	5	-	10	10	800	1008.9	+2	WSW	3	z	33	92	6	5	7	-	4-6	10	1500	8	*	os	os	os	os	os	
	Eskdalemuir ...	1011.4	-12	SW	4	35	85	7	-	2	-	10	10	800	1009.5	-4	SW	6	bc	30	75	7	5	7	6	2-3	4-6	1500	3	*	bcb	bcb	bcb	bcb	bcb
	Point of Ayre ...	1012.8	-14	WS	5	38	65	8	1	4	2	Tr	2-3	2500	1011.2	-4	W	3	bc	33	85	8	4	7	3	1	2-3	2500	3	2	bc	bc	bc	bc	bc
13A	Tiree ...	1008.2	0	N	4	37	65	9	3	-	4-6	4-6	1500	1008.6	+2	NNW	3	bc	35	75	8	8	-	-	4-6	4-6	2500	4	3	bc	bc	bc	bc	bc	
13B	Stornoway ...	1008.8	-8	NW	4	31	65	8	3	-	9	7-8	7-8	2500	1007.8	-10	WSW	3	bc	25	8	5	7	-	-	4-6	4-6	2500	7	1	bc	bc	bc	bc	bc
15	Dalwhinnie ...	1008.0	-20	SW	3	31	92	7	8	7	-	4-6	9	2500	1008.0	+10	S	2	bc	18	97	8	-	-	8	0	2-3	-	8	*	css	css	css	css	css
	Aberdeen ...	1006.3	-14	WSW	1	33	92	6	5	1	-	Tr	9	4000	1005.6	+10	NW	1	cs	30	85	6	6	3	-	2-3	7-8	1500	3	1	bcb	bcb	bcb	bcb	bcb
Wick ...	1005.3	-10	WSW	2	25	97	8	5	7	8	4-6	4-6	1500	1004.2	-4	WSW	3	bc	22	85	8	8	7	1	2-3	4-6	1500	3	1	bc	bc	bc	bc	bc	
16	Lerwick ...	1004.8	-6	NE	4	35	85	8	7	-	7-8	9	800	1003.7	-2	E	4	c	37	85	8	3	7	-	4-6	9	800	3	1	c	c	c	c	c	
17	Blacksod Point..	1012.4	-16	WSW	5	40	75	7	9	-	9	9	1500	1010.8	-10	W	3	c	35	97	7	8	-	-	10	10	800	1	3	eq	psrc	psrc	psrc	psrc	
	Malin Head ...	1010.1	-10	WSW	4	34	92	5	3	-	9	9	2500	1009.6	+4	NE	2	is	34	92	6	6	2	-	2-3	9	800	7	2	cmx	cmx				

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th January, 1940.
1 S.E. England	Wind south moderate; mainly fair; cold and frosty.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	Wind south to southeast moderate; mainly cloudy with snow or sleet at times; cold but temperature somewhat higher than of late.
5 S.W. England	
6 South Wales ...	Wind south to southeast fresh, strong to gale on coast; cloudy with rain or sleet at times; rather cold but temperature somewhat higher than of late.
7 North Wales ...	
8 N.W. England	Wind southeast moderate; cloudy; some snow; cold.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	Light variable wind; occasional snow showers; cold.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W. Scot- land.	Wind light southwesterly; snow showers; cold.
14 Mid Scotland	
15 N. E. Scotland	Wind southeast to variable, moderate or fresh; snow showers; cold.
16 Orkneys and Shetlands	
17 N. W. Ireland	As 19 - 20.
18 N. E. Ireland	As 12 - 13A.
19 S. E. Ireland	Light northerly wind; occasional snow showers; cold.
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.

Pressure is high over Germany and the Baltic and depressions are centred near Shetland, the Bristol Channel and Portugal forming a belt of low pressure which is unlikely to move much. There will be snow at times in Northern and Central districts and some rain in the Southwest. Temperature will continue low in most districts but somewhat milder conditions will spread from the Southwest to Wales and Western England.

FURTHER OUTLOOK.

Mainly fair and cold in the Southeast; cold and unsettled elsewhere with further snow probable.

Time of Issue of Gale Warnings.

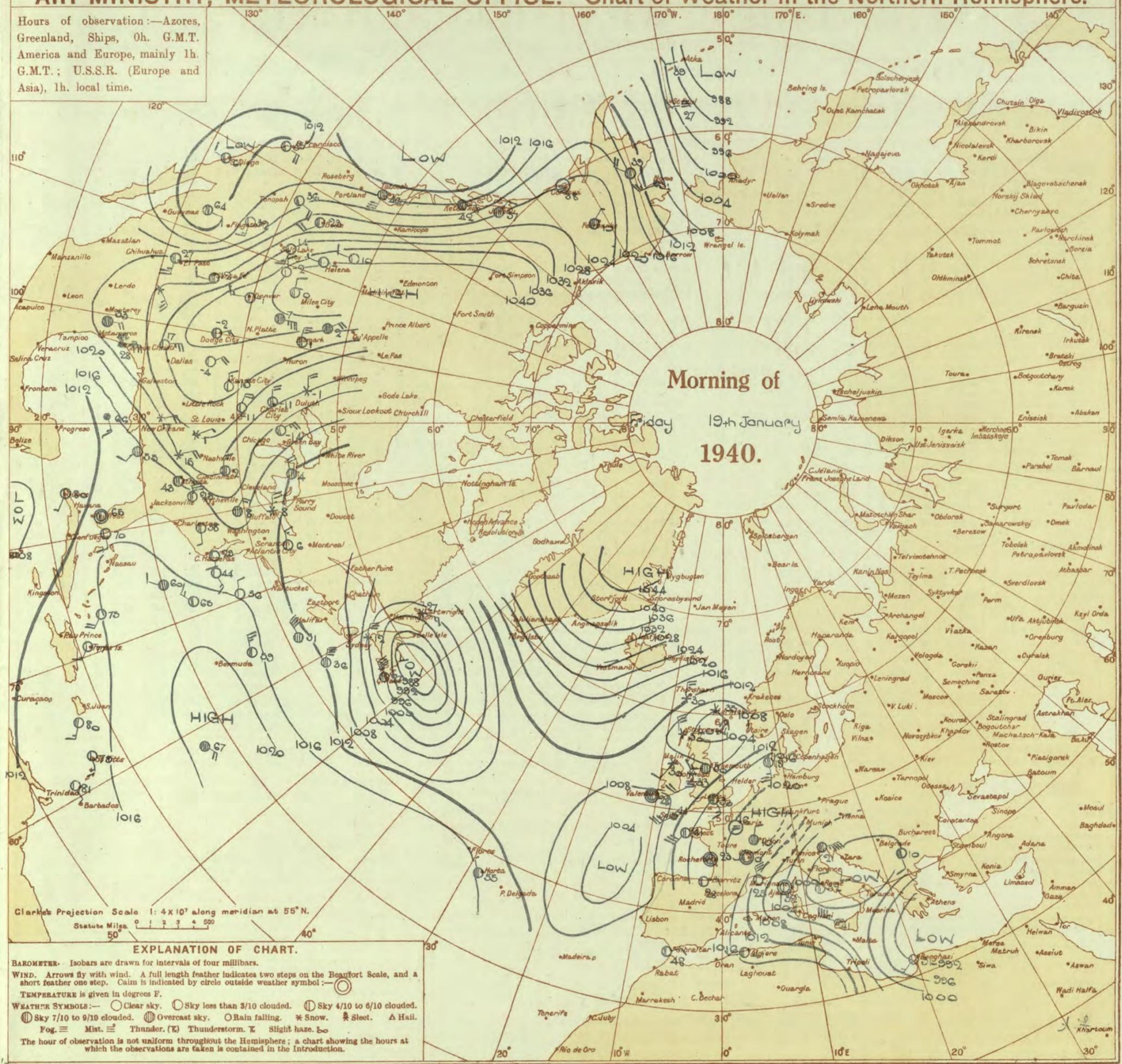
Warning of southerly gale issued at 0830 G.M.T. 19/1/40 in districts 5 and 6.

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

Forecasts issued at 1050.
H.M.S.O. Press, Cornwall House, S.E.1.

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.



Clark's Projection Scale 1: 4x10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500
 50

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. (T) Thunderstorm. T 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.

Main weather observation table with columns for District, Stations, Observations at 1 hr. G.M.T. 19th January, Observations at 7 hr. G.M.T. 19th January, and Past 24 Hours. Includes sub-sections for LONDON OBSERVATIONS and FOREIGN OBSERVATIONS.

LONDON OBSERVATIONS table with columns for Day, Height, Weather, Temperature, Rainfall, Sunshine, Humidity, and Visibility.

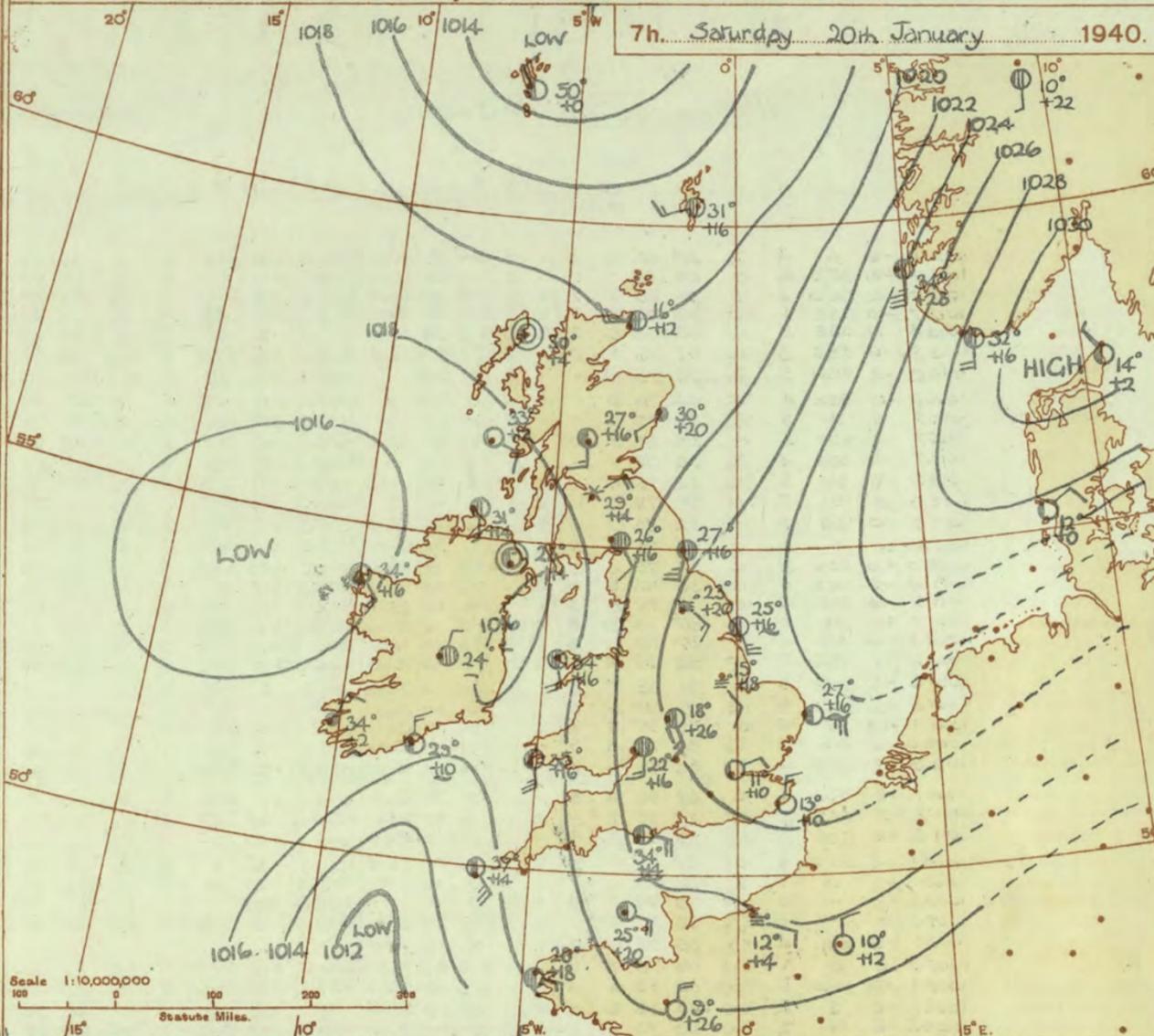
FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall for 18h. G.M.T., 7h. G.M.T., and Past 24 Hours.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed codes for barometric tendency, surface visibility, wind scale, and state of sea.

OBSERVATIONS at 13h. G.M.T. 19th January														OBSERVATIONS at 18h. G.M.T. 19th January														PAST 24 HOURS.								
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (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)	WEATHER.						
				Dir.	Force. 0-12 (4)					Form.	Amount.	Height of Base. (feet) (14)	Form.	Amount.			Height of Base. (feet) (14)	Form.					Amount.	Height of Base. (feet) (14)	Form.	Amount.	Height of Base. (feet) (14)			7h.—13h. 19th. (37)	13h.—18h. 19th. (38)	18h.—19th. 20th. (39)	1h.—7h. 20th. (40)			
1	London (Kew)...	1014.4	-6	S	4	Z	35	65	6	4	1	8	4-6	94	1016.3	+10	SE	3	Z	30	75	6	5	-	8	4-6	10	2500	4	*	bcm	bcz	bcz	bcz	bcz	
	Croydon ...	1014.7	-10	SE	3	C	36	65	6	1	2	4-6	94	2500	1016.2	+10	SE	2	Z	29	85	6	1	-	0	10	-	3	*	bcm	bcz	bcz	bcz	bcz		
	S. Farnborough	1013.9	-12	SE	3	C	34	85	7	7	7	7-8	94	1000	1015.2	+6	SE	4	Z	30	75	5	1	-	0	10	-	4	*	bcm	bcz	bcz	bcz	bcz		
	Boscombe Down	1012.7	-10	SE	4	C	32	92	8	5	1	4-6	10	1500	1013.6	+8	SE	4	Z	30	85	6	5	1	-	2-3	10	2500	1	*	c	bcz	bcz	bcz	bcz	
	Calshot (Soton.)	1013.8	-10	SE	5	C	35	65	8	5	2	2-3	94	1000	1012.5	-2	SE	5	Z	34	65	6	5	1	-	2-3	10	4000	3	4	bcz	bcz	bcz	bcz	bcz	
	Lympe	1016.8	-6	SE	3	bc	32	75	7	5	2	1	4-6	800	1018.0	+6	SE	3	Z	26	75	6	5	1	-	3	94	1500	3	3	bcz	bcz	bcz	bcz	bcz	
	Manston	1016.8	-2	SW	3	Z	32	75	6	-	2	0	2-3	-	1018.1	+12	SE	3	Z	26	75	6	1	7	-	1	4-6	1500	9	*	bcz	bcz	bcz	bcz	bcz	
2	Shoeburyness ...	1016.2	-6	SE	4	bc	34	75	8	-	6	0	4-6	-	1017.4	+8	SE	4	m	29	92	4	-	-	6	0	2-3	-	3	*	bc	bcz	bcz	bcz	bcz	
	Felixstowe ...	1014.7	-6	S	3	Z	35	75	6	-	3	0	4-6	-	1016.3	+12	SE	4	Z	31	75	6	8	-	-	9	9	1500	8	2	bcz	bcz	bcz	bcz	bcz	
	Gorleston ...	1016.7	+2	SE	4	C	34	85	7	5	-	3	2500	-	1018.2	+12	SE	5	C	32	85	7	8	-	-	10	10	2500	8	2	bcz	bcz	bcz	bcz	bcz	
	Mildenhall ...	1014.7	-14	SE	4	Z	35	97	6	-	1	0	7-8	-	1017.4	+26	SE	3	Z	27	92	5	-	-	0	2-3	-	8	*	bcz	bcz	bcz	bcz	bcz		
	Cranwell ...	1013.9	+2	SE	3	Z	32	75	6	-	2	0	10	-	1016.0	+6	SE	3	Z	29	92	6	5	1	-	4-6	10	4000	8	*	bcz	bcz	bcz	bcz	bcz	
3	Birmingham	1012.3	0	S	2	0	31	75	6	-	2	0	10	-	1014.9	+20	SE	1	Z	31	75	5	5	-	-	10	1500	8	*	0	bcz	bcz	bcz	bcz	bcz	
	Upper Heyford	1013.5	-10	SE	3	0	32	85	7	-	2	10	10	5700	1015.3	+12	SE	2	C	30	75	7	-	-	0	10	-	4	*	bcz	bcz	bcz	bcz	bcz		
4	Ross-on-Wye ...	1011.5	0	S	3	C	33	75	7	6	2	1	10	1500	1013.9	+14	SE	2	C	31	85	7	5	1	-	1	10	1500	8	*	bcz	bcz	bcz	bcz	bcz	
5	Hartland Point	1008.0	+10	SE	3	C	34	75	8	5	1	7-8	9	4000	1010.2	+26	SE	3	C	32	75	8	5	1	-	4-6	94	4000	4	3	bcz	bcz	bcz	bcz	bcz	
	Bristol ...	1011.9	+6	SE	4	C	33	65	8	5	1	4-6	10	1500	1012.8	+18	S	2	Z	29	75	6	5	1	-	9	10	1500	8	3	bcz	bcz	bcz	bcz	bcz	
	Portland Bill ...	1011.5	-14	SE	6	C	35	92	8	5	-	10	10	2500	1012.0	+12	SE	6	C	36	92	8	5	-	-	10	10	2500	1	5	bcz	bcz	bcz	bcz	bcz	
	Plymouth ...	1010.7	+6	SE	6	C	37	35	8	5	1	7-8	10	2500	1008.8	+8	SE	5	C	36	55	7	5	1	-	1	10	1500	1	4	bcz	bcz	bcz	bcz	bcz	
	The Lizard ...	1007.7	+10	SE	6	C	37	65	8	8	2	7-8	10	1500	1009.0	+16	SE	5	C	37	65	8	5	2	-	7-8	10	1500	1	4	bcz	bcz	bcz	bcz	bcz	
	Scilly (St. Mary's)	1004.5	+6	SE	7	rs	38	92	6	8	2	7-8	10	1500	1006.9	+6	SE	4	sh	34	97	5	5	-	-	10	10	1500	7	4	bcz	bcz	bcz	bcz	bcz	
	Guernsey ...	1011.6	-12	SE	4	C	31	85	7	2	1	4-6	10	2500	1011.7	0	SE	4	C	31	75	7	-	-	0	94	-	4	3	bcz	bcz	bcz	bcz	bcz		
6	Pembroke ...	1007.0	+20	SW	5	rs	35	97	5	5	-	10	10	800	1010.6	+20	SE	4	ss	34	85	5	5	-	-	10	10	1500	1	2	bcz	bcz	bcz	bcz	bcz	
	Holyhead ...	1004.1	-26	SE	6	C	28	97	8	6	2	94	10	1500	1007.8	+42	WSW	4	C	36	85	6	8	2	-	9	10	1500	7	1	bcz	bcz	bcz	bcz	bcz	
	Chester (Sealand)	1009.0	-6	SE	5	Z	34	85	6	5	-	10	10	1500	1011.5	+6	SE	4	Z	32	87	6	5	-	-	9	9	1500	8	*	bcz	bcz	bcz	bcz	bcz	
	Manchester ...	1010.5	-2	SE	4	Z	34	75	6	5	-	10	10	1500	1013.1	+10	SE	4	Z	32	65	6	-	-	0	10	-	8	*	bcz	bcz	bcz	bcz	bcz		
10	Spurn Head ...	1014.1	+2	SW	4	C	32	92	6	5	-	9	9	2500	1016.4	+14	SE	5	0	33	85	6	5	-	-	10	10	4000	4	3	bcz	bcz	bcz	bcz	bcz	
	Catterick ...	1011.7	-2	SE	1	of	27	97	2	-	2	10	10	450	1014.2	+14	SE	3	Z	30	85	5	5	-	-	10	10	800	8	*	bcz	bcz	bcz	bcz	bcz	
	Tynemouth ...	1011.8	+6	SW	3	of	29	92	3	5	-	10	10	1500	1014.1	+14	S	3	of	33	92	5	5	-	-	10	10	1500	4	2	bcz	bcz	bcz	bcz	bcz	
11	St. Abbs Head	1009.5	+4	SW	3	C	29	85	7	8	6	1	4-6	7-8	2500	1012.1	+16	S	4	sh	30	92	5	5	2	-	7-8	10	1500	4	2	bcz	bcz	bcz	bcz	bcz
	Leuchars ...	1009.0	+2	W	1	Z	34	75	6	-	4	7	0	10	-	1012.4	+24	W	2	Z	34	85	6	5	-	4-6	10	4000	8	*	bcz	bcz	bcz	bcz	bcz	
	Renfrew (Abbots L.)	1009.8	+2	W	0	of	23	92	2	5	-	9	9	-	1012.4	+18	W	0	Z	23	97	2	-	-	-	10	10	450	8	*	bcz	bcz	bcz	bcz	bcz	
	Eskdalemuir ...	1009.9	0	W	0	of	28	92	6	-	2	10	10	800	1012.4	+16	SE	2	SS	28	97	4	-	-	-	10	10	450	8	*	bcz	bcz	bcz	bcz	bcz	
	Point of Ayre ...	1007.7	-8	SE	4	rs	36	97	6	8	1	9	10	1500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13A	Tiree ...	1007.0	0	S	1	bc	39	75	9	8	7	4-6	4-6	2500	1010.6	+10	SE	1	bc	33	85	9	8	-	-	2-3	2-3	1500	4	2	bcz	bcz	bcz	bcz	bcz	
13B	Stornoway ...	1009.4	+20	NNE	5	9ps	36	85	8	6	7	2-3	94	2500	1013.1	+20	NW	4	C	37	65	8	8	7	-	4-6	7-8	2500	7	3	bcz	bcz	bcz	bcz	bcz	
15	Dalwhinnie ...	1008.8	+6	S	2	bc	23	85	6	4	6	2-3	2-3	2500	*	+22	S	2	C	20	92	6	5	-	-	10	10	1500	8	1	bcz	bcz	bcz	bcz	bcz	
	Aberdeen ...	1008.5	+6	SW	2	bc	33	75	6	5	4	8	Tr	2-3	2500	1011.3	+18	SW	2	bc	29	75	6	5	4	8	Tr	2-3	2500	8	1	bcz	bcz	bcz	bcz	bcz
	Wick ...	1006.3	+8	W	2	SS	29	97	4	-	-	10	10	450	1008.8	+20	N	4	C	36	85	8	3	7	8	4-6	7-8	1500	9	2	bcz	bcz	bcz	bcz	bcz	
	Lerwick ...	1007.0	+16	ENE	3	9ps	34	85	8	8	7	4-6	9	800	1008.0	+16	WSW	4	CS	33	97	6	6	2	-	4-6	10	450	7	*	bcz	bcz	bcz	bcz	bcz	
17																																				

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Saturday 20th January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th January, 1940.
1 S.E. England	Wind southeast; light to moderate, backing northeast, moderate or fresh; fair today, cloudy or dull tomorrow with slight occasional snow; continuous frost, but less intense tomorrow.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind southeast, moderate to light, backing east; cloudy, occasional snow showers, chiefly near the coast, becoming fair; continuous frost.
6 South Wales ...	
7 North Wales ...	As 1 - 4.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Winds variable, light, becoming south to southeast; cloudy or dull; occasional snow or snow showers, chiefly today; cold; frosty.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	Wind variable, light, gradually becoming southeast, moderate; cloudy; occasional snow; fairer periods tomorrow; cold, frosty.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	
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.

A belt of relatively low pressure over our western districts is filling up and a ridge of high pressure extending to France from an anticyclone over Scandinavia is moving slowly westwards. Very cold, frosty weather will continue with occasional snow showers in western districts of the British Isles. It will be fair in England today but will be cloudy later with occasional slight snow.

FURTHER OUTLOOK.

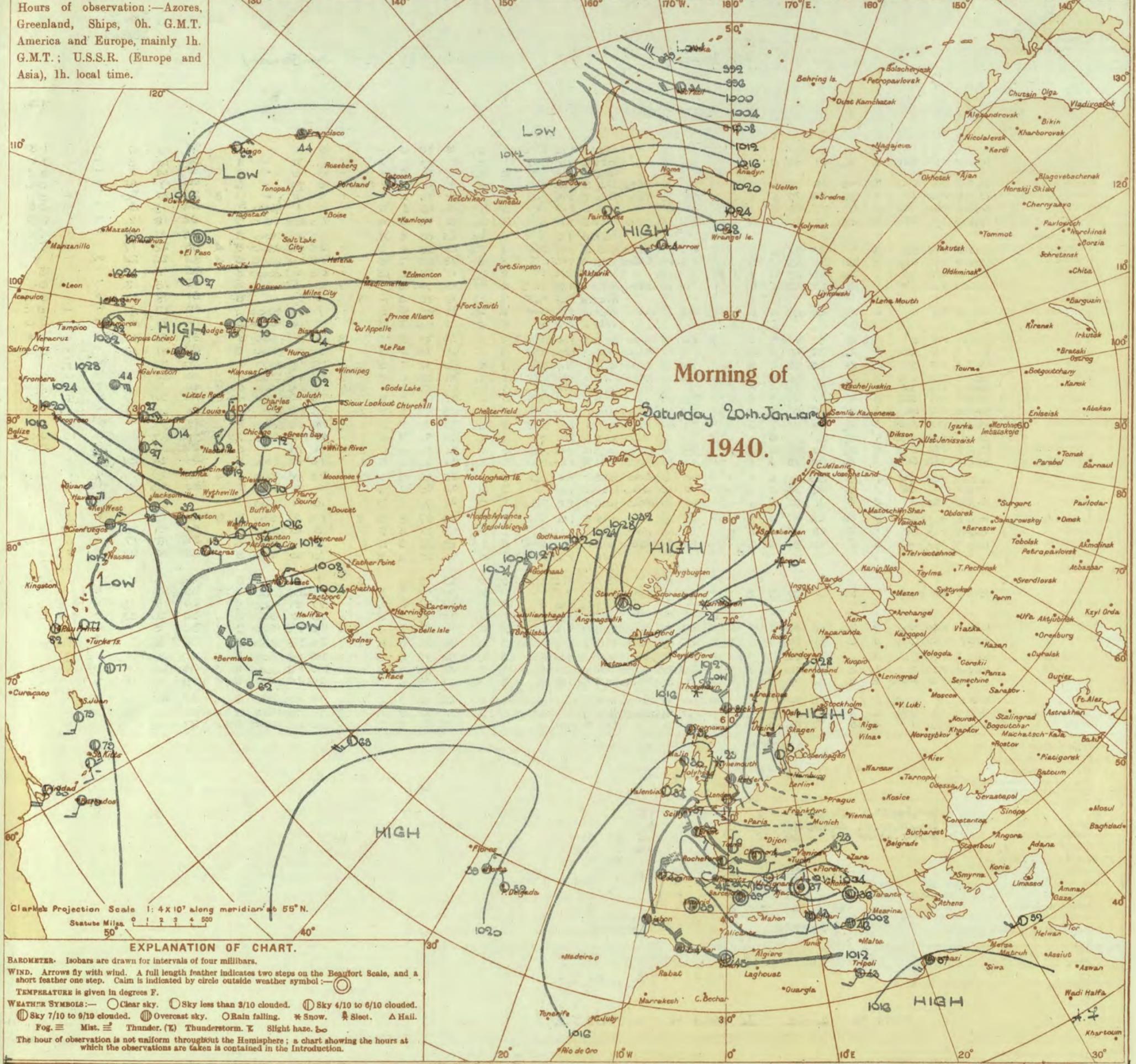
Continuing cold, but less so than of late; slight occasional snow indicated in the East and Southeast.

Forecasts issued at 11.30 G.M.T.
 N. K. JOHNSON, D.Sc., A.R.C.S.,
 Director.

H.M.S.O. Press, Cornwall House, S.E.1. 44742605 W. 6105 D. 4626. 6p. 5/42. 1/40

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 20th January
1940.

Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 5 6 7 8 9 10

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 circles 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. ⚡ Hal. Fog. ☁ Mist. ⚡ Thunder. (T) Thunderstorm. ☁ Slight haze. ☁

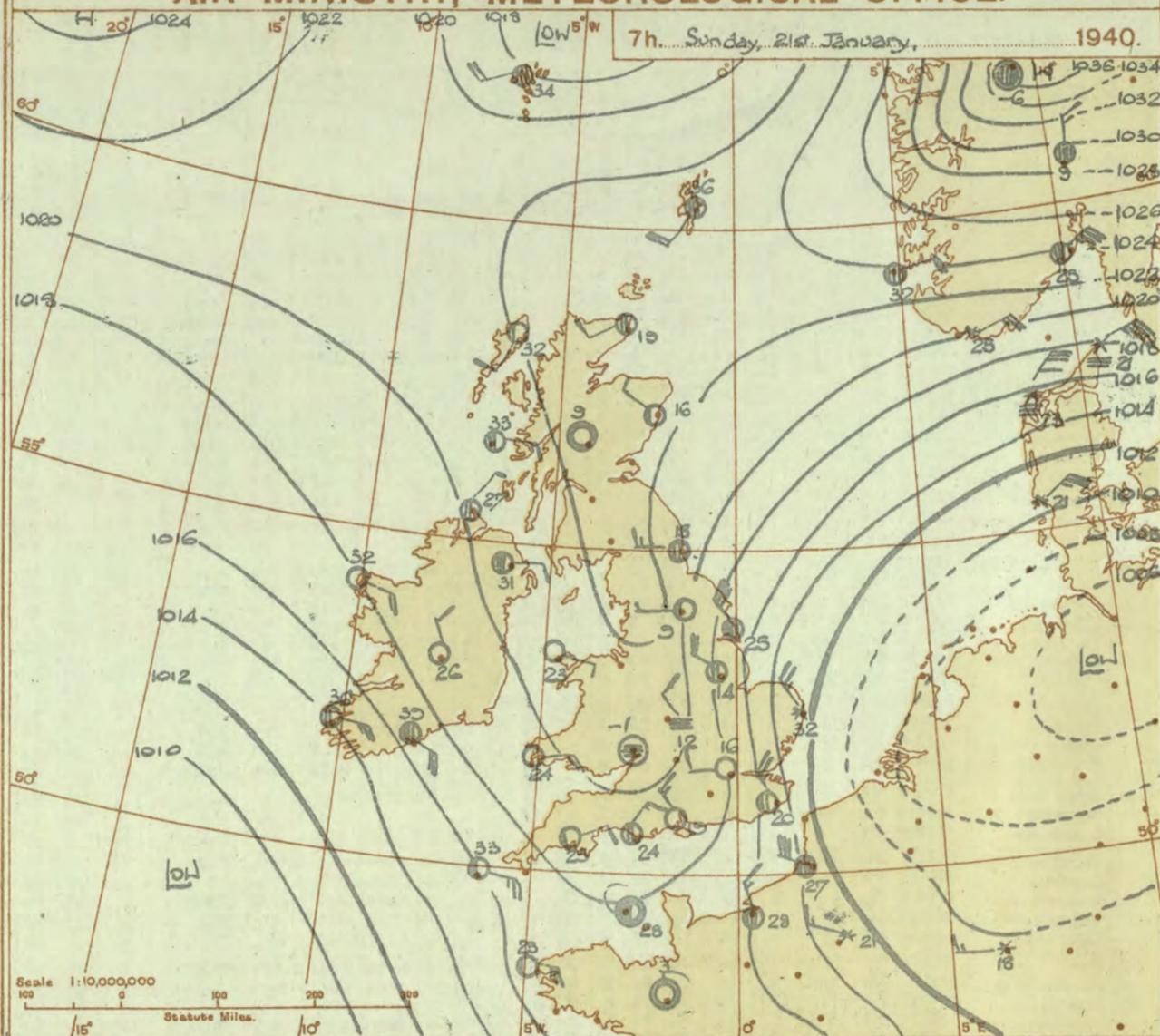
The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 20th January														OBSERVATIONS at 7 hr. G.M.T. 20th January														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.		SUNSHINE (36) hrs.						
					Dirac. (3)	Force. (4)					Form. (9)	Amount. (10)	Height of Base. (14)			Form. (23)	Amount. (24)					Height of Base. (28)	Max. Day 7h-15h (31)	Min. Night 15h-7h (32)			Min. on Grass °F. (33)	Day 7h-15h mm. (34)	Night 15h-7h mm. (35)									
1	London (Kew)	18	*	*	*	*	*	*	*	*	*	*	1022.9	7.18	ENE	1	20	18	75	6	-	-	1	0	1	-	4	*	36	17	4	-	Tr	1.8				
	Croydon	217	1020.0	-18	ENE	2	20	17	85	6	-	-	0	0	-	1022.6	7.10	ENE	1	20	11	77	6	-	-	1	0	Tr	-	8	*	36	10	3	-	-	3.0	
	S. Farnborough	226	*	*	*	*	*	*	*	*	*	*	1023.3	7.18	E'S	2	20	14	82	6	-	-	1	0	0	-	4	*	35	14	7	-	-	-	0.3			
	Boscombe Down	417	1017.7	+14	E'S	3	20	26	92	6	5	1	1	10	4000	1021.3	+20	E	3	20	18	85	7	-	7	8	0	0	0	0	0	0	0	0	0.0			
	Calshot (Stmntn.)	8	1017.5	+20	E	5	20	23	75	6	5	1	-	9	10	2500	1020.9	+18	ENE	4	20	22	75	6	-	1	0	Tr	-	0	3	36	21	20	-	-	0.1	
	Lympe	346	1020.2	+14	ESE	4	0	17	63	8	-	-	0	0	-	1022.5	+10	NNE	3	0	12	75	6	5	-	1	1	2500	9	3	34	13	8	-	-	2.5		
Manston	154	1021.5	+6	SE'E	3	20	20	75	6	5	-	2.3	2.3	1500	1022.5	+10	E'S	3	20	21	75	5	5	-	2.3	2.3	2500	9	*	32	18	12	-	-	6.9			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	1022.5	7.8	E'N	3	bc	24	85	8	4	-	-	4	6	1500	8	*	35	21	15	-	-	-	6.6			
	Felixstowe	15	1019.6	+14	SE	3	-	24	92	6	5	-	4.6	4.6	2500	1021.6	+14	ESE	4	20	25	65	6	5	-	4.6	4.6	2500	8	4	35	23	17	-	-	6.5		
	Gorleston	5	1021.5	+16	ESE	5	bc	26	85	7	8	-	4.6	4.6	2500	1023.5	+16	E'S	5	20	27	85	7	8	-	7.8	7.8	2500	5	4	34	26	24	0.2	-	*		
	Mildenhall	19	1021.1	+18	SE	1	20	22	97	6	-	1	0	2.3	-	1023.6	+12	E	2	20	11	87	6	5	-	2.3	2.3	4000	8	*	35	9	4	-	-	5.0		
Cranwell	240	1020.1	+20	SE'E	3	m	25	92	4	5	-	10	10	1500	1023.4	+18	SE'S	2	m	15	92	4	-	1	0	Tr	-	8	*	32	15	13	-	-	0.1			
3	Birmingham	535	1019.3	+14	E	2	20	24	85	6	5	-	8	2.3	9	1500	1022.4	+26	SSE	3	20	18	75	5	-	7	0	9	-	8	*	31	18	17	-	-	0.0	
	Upper Heyford	408	*	*	*	*	*	*	*	*	*	*	1022.8	+16	ENE	2	20	15	85	6	5	1	-	1	4.6	2500	4	*	33	13	8	-	-	-	0.0			
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	1021.5	+16	S	3	0	22	85	7	5	-	-	10	10	1500	8	*	34	21	18	-	-	-	0.0			
5	Hartland Point	299	1014.0	+16	E	2	c	32	65	6	5	-	7	4.6	10	2500	1017.3	+14	ENE	2	c	(30)	75	8	5	-	8	4.6	9	2500	4	2	37	28	27	-	-	0.0
	Bristol	209	1017.6	+16	SE'E	2	20	28	75	6	5	1	-	7.8	10	1500	1021.0	+22	ESE	3	c	21	75	6	5	-	9	9	1500	8	*	34	21	19	-	-	0.0	
	Portland Bill	32	1015.4	+8	SE	4	20	35	92	7	5	-	10	10	2500	1018.7	+14	ESE	4	c	34	92	7	5	-	8	7.8	7.8	4000	1	4	40	32	-	-	-	0.0	
	Plymouth	82	1014.1	+20	E'S	4	20	34	65	6	5	2	-	2.3	10	2500	1018.0	+20	ESE	3	bc	33	85	6	5	-	8	4.6	4.6	2500	3	3	40	32	26	-	-	0.0
	The Lizard	240	1012.4	+20	SE	5	c	37	65	8	8	8	-	7.8	10	1500	1015.5	+16	SE	5	bc	37	65	8	8	5	-	4.6	4.6	2500	0	3	40	32	-	-	-	0.0
	Scilly (St. Mary's)	163	1010.2	+16	SSE	5	c	37	75	7	8	6	-	7.8	9	1500	1013.3	+14	SE'E	5	c	37	65	8	8	2	-	7.8	10	1500	4	3	43	34	*	8	8	0.0
Guernsey	175	1014.0	+8	SE	3	c	29	85	7	5	1	-	7.8	9	2500	1018.1	+20	E'S	4	c	25	85	7	2	7	-	2.3	7.8	2500	4	4	33	24	19	-	-	1.0	
6	Pembroke	142	1014.0	+12	SSE	5	bc	37	75	7	8	-	9	8	1500	1017.3	+16	SSE	5	bc	35	75	7	8	-	4.6	4.6	2500	1	2	42	32	*	6	0.1	0.0		
	Holyhead	26	1014.7	+26	S'W	5	150	32	97	3	-	2	-	10	10	220	1017.3	+16	S'E	4	c	34	85	7	6	-	9	9	1500	7	2	37	32	31	21	10	0.0	
7	Chester (Sealand)	16	1016.5	+18	SSE	4	20	30	85	5	5	1	-	2.3	10	5700	1020.2	+18	SSE	4	m	28	92	4	-	2	-	0	0	-	8	*	34	26	*	0.2	-	0.0
8	Manchester	70	1017.6	+18	SE'S	3	20	30	75	6	5	-	10	10	4000	1021.6	+22	SSE	2	20	24	55	6	5	1	-	4.6	10	4000	8	*	34	24	24	0.1	-	0.0	
10	Spurn Head	29	1020.3	+14	S'E	4	0	30	85	6	5	-	10	10	800	1023.1	+16	SSE	5	c	25	85	6	5	2	-	2.3	7.8	4000	4	4	32	25	*	-	-	0.0	
	Catterick	175	1018.1	+16	SE	4	m	27	85	4	5	-	10	10	450	1022.0	+20	SE	3	m	23	85	4	5	-	10	10	800	8	*	30	23	*	0.2	-	0.0		
	Tynemouth	108	1018.2	+20	S	4	0	31	92	6	5	-	10	10	1500	1021.5	+16	SSE	5	0	27	92	6	5	-	-	10	10	1500	8	*	30	23	*	0.2	-	0.0	
11	St. Abbs Head	280	1016.2	+14	S	4	ss	20	97	4	5	-	10	10	800	1018.8	+20	SSE	4	c	26	97	5	3	2	-	7.8	10	1500	8	3	32	25	*	4	3	*	
	Leuchars	36	1016.3	+18	SE	1	20	28	97	6	5	2	-	9	10	1500	1019.2	+14	E	1	150	29	97	5	5	-	10	10	1500	8	*	34	19	14	-	Tr	3.3	
12	Bentrew (Abbots L.)	19	1015.7	+12	-	0	f	22	97	2	5	-	9	9	2500	1018.1	+14	ENE	4	3	29	97	3	5	-	10	10	1500	8	*	26	18	17	-	1	0.0		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.0			
Point of Ayre	30	1018.1	+16	SSE	5	c	37	75	7	8	6	-	7.8	9	1500	1018.1	+16	SE'S	2	0	26	92	4	5	-	-	10	10	450	9	*	29	26	27	2	7	0.0	
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.8			
	Stornoway	80	1016.4	+16	WNW	1	bc	31	97	7	5	-	4.6	4.6	2500	1018.3	+14	-	0	bc	30	97	7	5	-	4.6	4.6	2500	7	0	38	26	*	6	-	0.0		
15	Dalwhinnie	1178	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4.4			
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5.4			
16	Wick	81	1015.1	+20	NW	2	bc	28	85	8	8	6	2	2.3	4.6	2500	1018.0	+20	SW	1	ps	30	97	3	5	-	10	10	1500	8	1	34	26	23	-	-	0.2	
	Lerwick	156	1013.7	+26	W'N	4	c	31	92	7	8	7	-	4.6	7.8	800	1017.7	+16	WSW	3	c	31	85	8	8	7	-	4.6	7.8	800	8	*	36	28	*	1	0.5	0.0
17	Blacksod Point	18	1012.7	+8	S	3	c	36	92	7	9	-	10	10	450	1015.5	+16	SE	3	c	34	92	8	3	-	7.8	7.8	800	8	3								

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 21st January, 1940
1 S.E. England	Wind north veering northeast, fresh or strong to gale at times on the coast, moderating tomorrow; dull; some snow, heavy locally near the coast; still cold and probably frosty but less so than of late.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind variable, light, becoming northeast moderate; fine to-day; cloudy occasional slight snow to-morrow; severe frost to-day, less cold tomorrow.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	Wind northwest light, veering north to northeast moderate to fresh; fair to-day; cloudy, some occasional snow mostly slight tomorrow; severe frost to-day then rather less cold.
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	Wind variable, light; fine to fair; very cold, continuous severe frost.
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind becoming light and variable; fair to fine; cold and frosty.
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.

Pressure remains high over Greenland and Northern Europe. A depression over North Germany will now move southwestwards causing a northeasterly gale on the East and Southeast Coasts. There will be some snow in East and South England and the Midlands with temperatures rising nearer freezing point. Elsewhere it will continue fair and very cold.

FURTHER OUTLOOK.

Mainly dull and cold with slight occasional snow in England; probably continuing fair in the Northwest and in Ireland.

Times of issue of late warnings.

South cope hoisted at 1950 on 20th in parts of districts 1 and 2, and at 0215 on 21st in part of district 2.

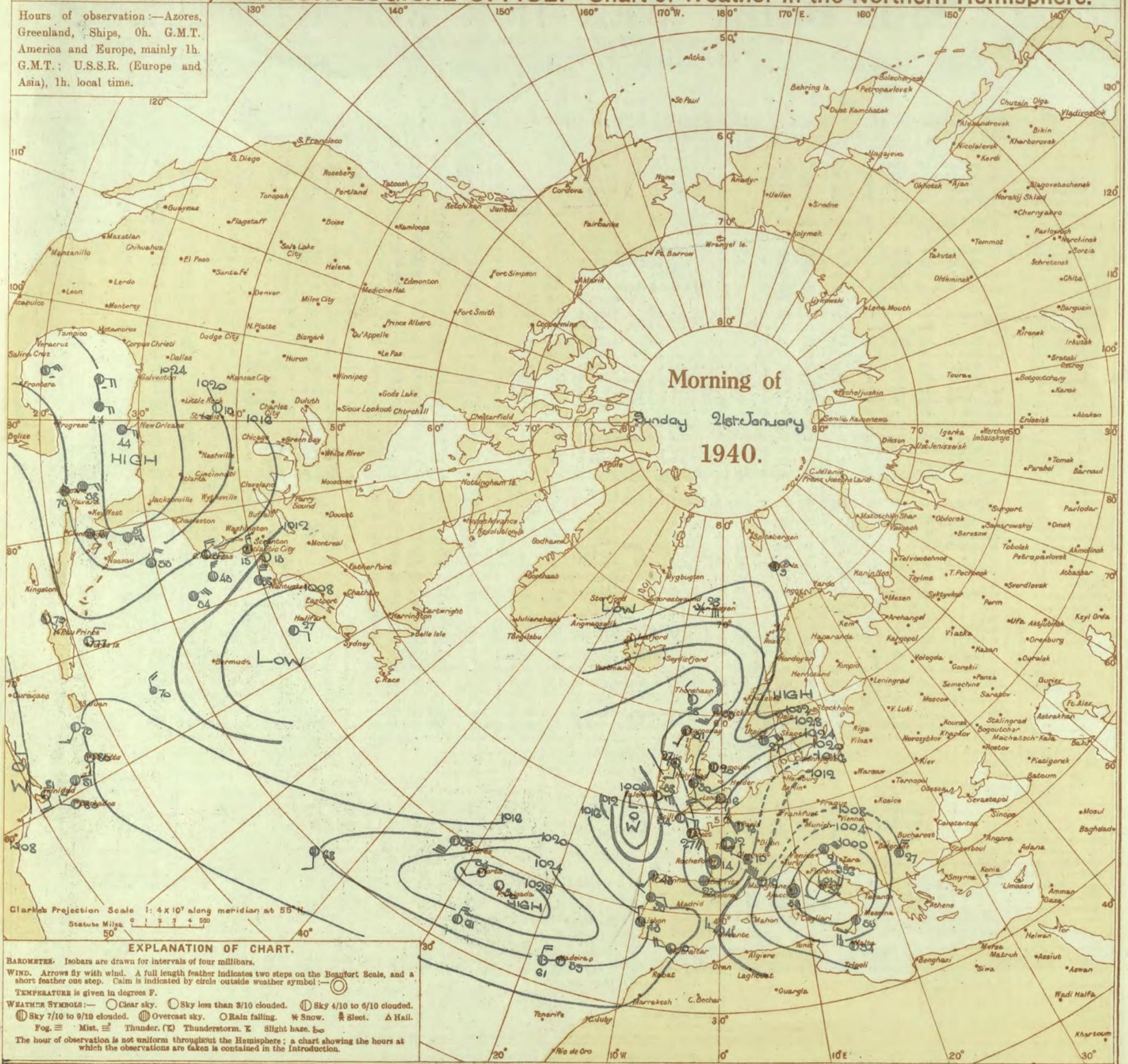
Forecasts issued at 12.30

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

H.M.S.O. Press, Cornwall House, S.E.1.

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.

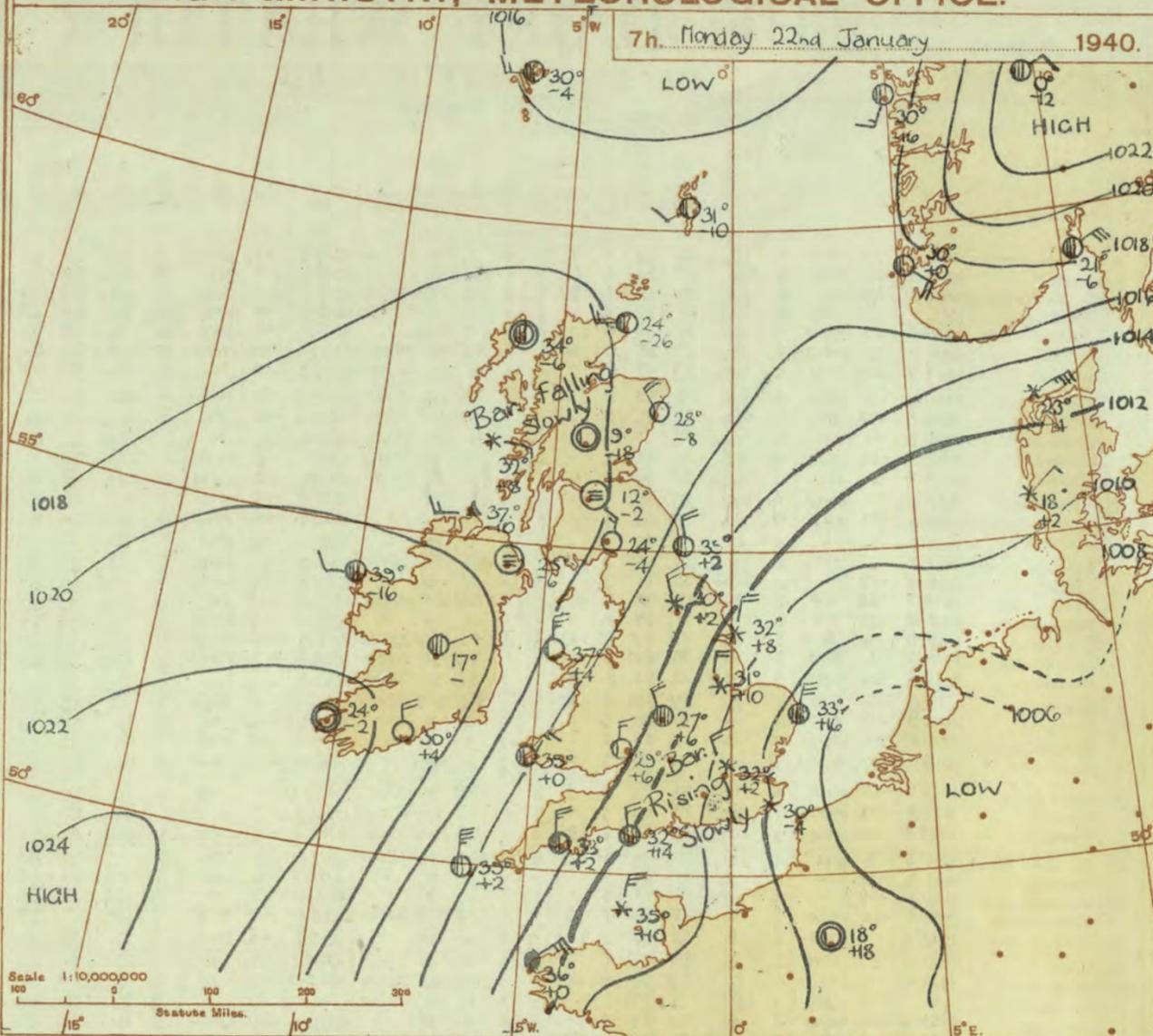
Main table of weather observations at 1 hr. G.M.T., 7 hr. G.M.T., and Past 24 Hours for various stations including London (Kew), Shoeburyness, Birmingham, etc.

LONDON OBSERVATIONS table with columns for Day, Night, Max, Min, Rainfall, Sunshine, Humidity, and Atmospheric Pollution.

Table for Foreign Observations with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall for 18h, 7h, and Past 24 Hours.

EXPLANATION OF FIGURES, LETTERS, etc. section detailing the meaning of various codes and symbols used in the report.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd January, 1940.
1 S.E. England	Wind north moderate, becoming light, finally southwest; dull; occasional slight snow; bright periods tomorrow; temperatures mainly rather below freezing point.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind becoming light and variable, then freshening from southwest; mainly fair apart from a few light snow showers; becoming cloudy or dull with some snow tomorrow; cold with continuous frost except on the coast, but much less severe than of late.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	As 15 - 16.
12 S.W. Scotland & Isle of Man.	As 4 - 10.
13 { A.W.Scotld. B.N.W.Scotland.	Wind variable light, becoming southerly freshening; cloudy; occasional snow, probably rain tomorrow; becoming slowly milder.
14 Mid Scotland	
15 N. E. Scotland	Wind becoming southwest, slowly freshening; mainly fair today, then cloudy, occasional snow; cold, frosty, but temperature beginning to rise.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind southwest to south, becoming fresh, possibly strong tomorrow; cloud increasing; snow spreading from west and turning to rain; becoming milder.
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.

Pressure is low over Central and Southern Europe. A ridge of high pressure extends to Ireland from an anticyclone near the Azores but is expected to give way with the advance of a depression on the Atlantic. Over most of England weather will be dull today with occasional snow and temperatures rather below freezing point, followed by a short fair interval. Snow, turning later to rain, will set in in Ireland and spread northeastwards with rising temperatures.

FURTHER OUTLOOK.

Thaw conditions are expected to spread from the west, following some snow in Midland and eastern districts.

Forecasts issued at 1030.

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

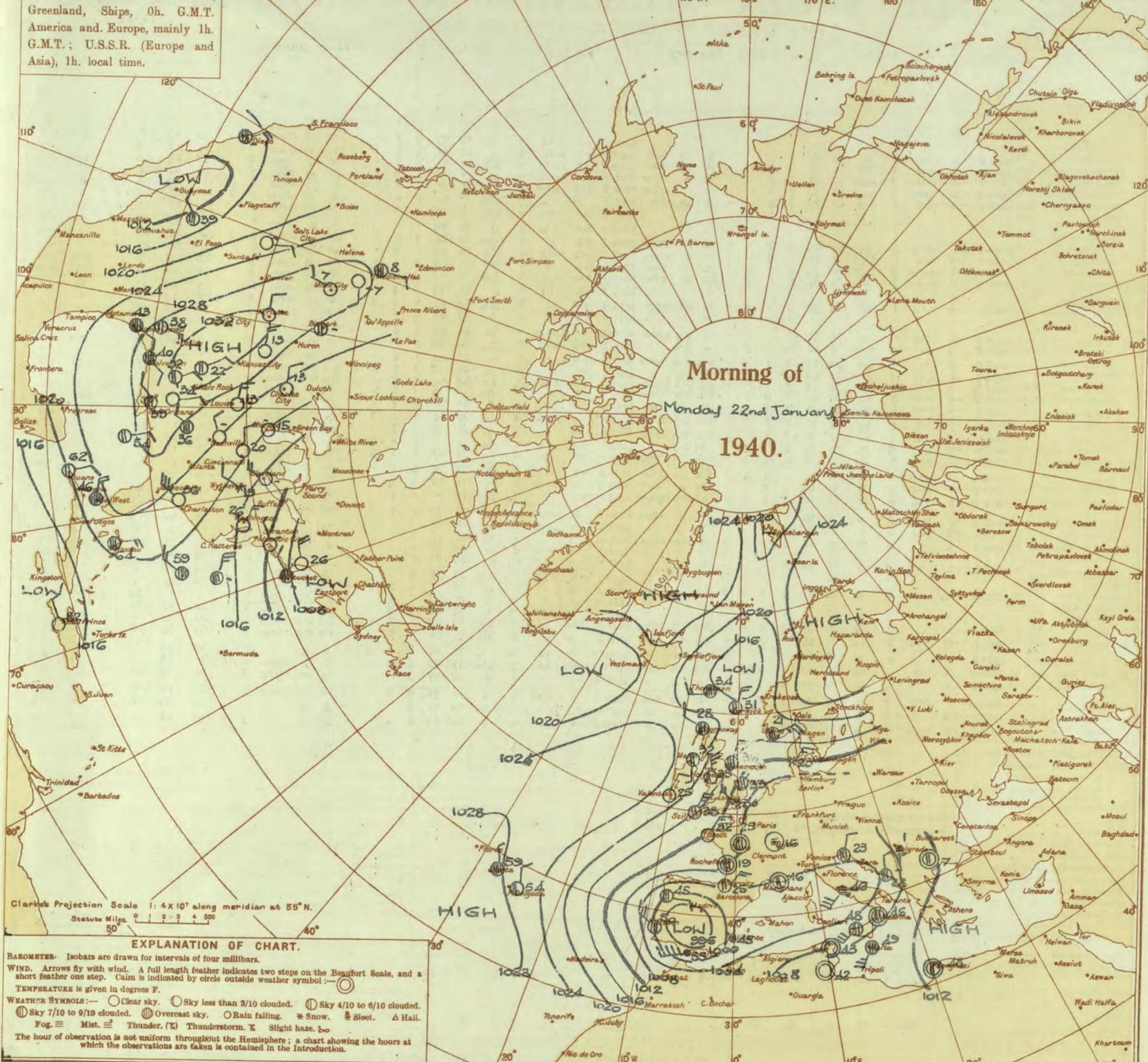
H.M.S.O. Press, Cornwall House, S.E.1.

4474/3806, W. 8109, D. 4626, Sp. 348, 1/40.

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
Monday 22nd January
1940.



Clarke's Projection Scale 1:4x10⁷ along meridian at 55°N.
Statute Miles. 0 1 2 3 4 500

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. Δ Hall. 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.

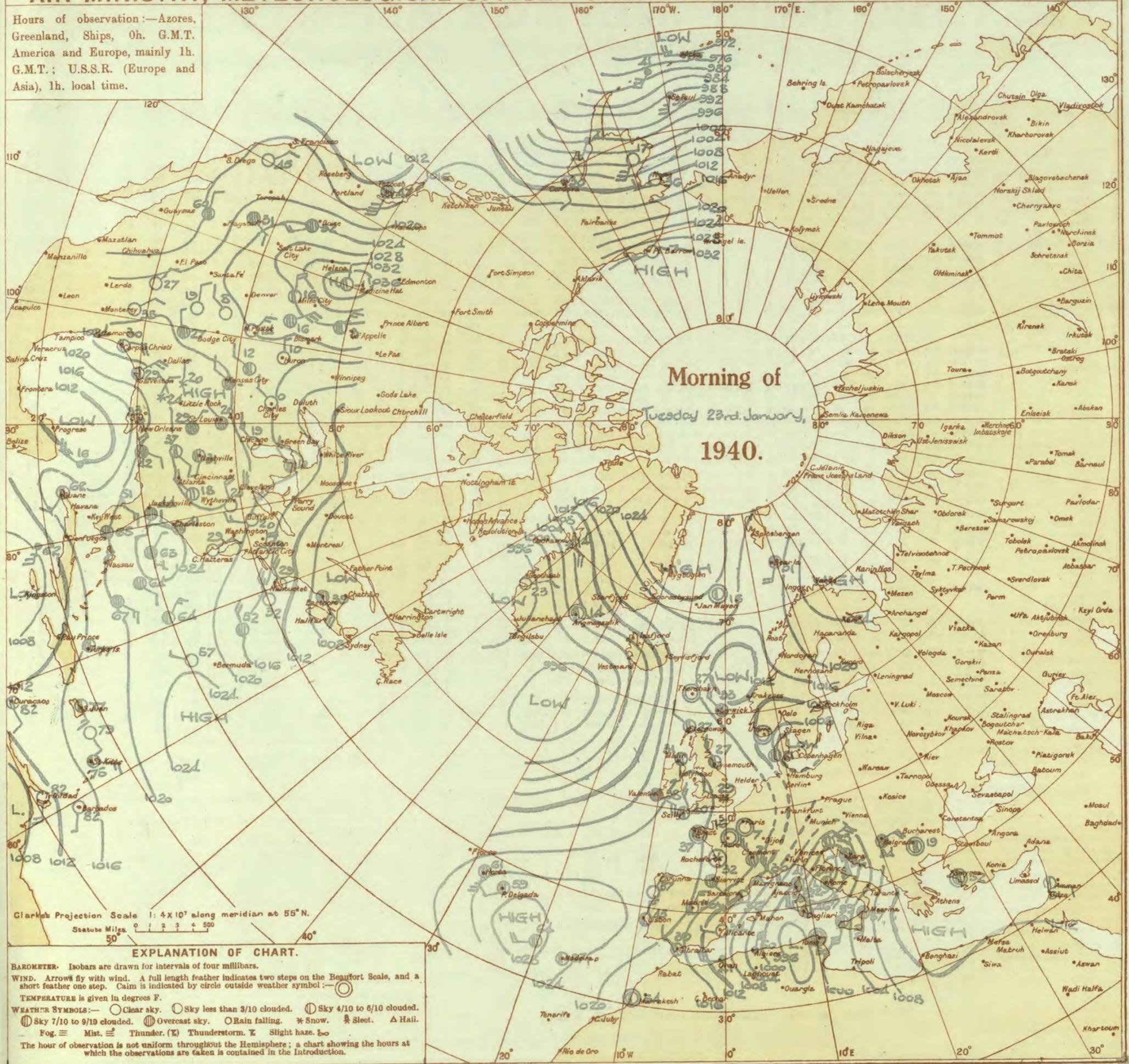
THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 1 hr. G.M.T. 22nd January															OBSERVATIONS at 7 hr. G.M.T. 22nd January															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.		SUNSHINE 21st Hrs. (36)			
					Dirac.	Force.					Form.	Amount.	Height of Base. (feet)	Form.	Amount.			Height of Base. (feet)	Dirac.					Force.	Form.	Amount.	Height of Base. (feet)	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	*	*	*	*	*	*	*	*	*	*	*	*	1009.8	+8	NW	4	c	33	85	7	5	-	-	10	10	1500	8	*	30	28	27	0.4	0.4	0.5			
	Croydon	217	1009.5	-2	NNW	3	is.	30	92	6	5	-	-	9	10	800	1009.7	+2	NNW	3	z.	32	92	6	5	-	-	9	10	1500	8	*	28	28	27	Tr	1	0.0	
	S. Farnborough	226	1010.0	-6	NW	3	is.	29	92	4	5	-	-	10	10	800	1010.7	+6	NW/N	4	SoSo	32	92	5	5	-	-	10	10	1500	8	*	30	27	26	Tr	0.2	3.1	
	Boscombe Down	417	1011.0	-10	NNW	4	z.	25	92	5	5	-	-	9	9	2500	1012.0	+10	NW	4	is.	29	92	5	5	-	-	10	10	1500	4	*	28	22	21	-	Tr	6.2	
	Calshot (Stmnt.)	8	1010.2	-10	NNW	4	m	29	85	4	5	-	-	10	10	1500	1010.9	+10	NW	4	SoSo	32	85	6	5	-	-	10	10	1000	4	3	31	27	26	-	Tr	6.2	
	Lympne	346	1008.7	+4	N/E	3	c/s	29	85	7	5	-	-	10	10	1500	1007.9	-4	NW	4	SoSo	30	92	5	6	-	-	10	10	800	9	3	27	27	25	0.2	1	0.0	
	Manston	154	*	*	*	*	*	*	*	*	*	*	*	*	1006.8	+2	NNE	6	SoSo	31	97	4	6	-	-	10	10	450	9	*	25	27	23	0.4	3	0.0			
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	1008.7	+4	NW	3	is.	32	82	7	5	-	-	10	10	2500	8	*	29	27	25	6	0.1	0.0			
	Felixstowe	15	1006.5	-6	NE/N	3	ps	30	92	6	8	-	-	10	10	2500	1006.3	+6	N	3	c/ps	31	85	5	8	-	-	10	10	2500	8	3	30	28	23	2	2	0.0	
	Gorleston	5	1007.7	-4	W/S	1	c/ps	30	85	6	8	-	-	10	10	1500	1007.5	+6	NNE	6	q/s	33	85	7	8	-	-	10	10	1500	8	7	32	30	28	0.4	1	*	
	Mildenhall	19	1008.8	-6	NW/N	2	SoSo	30	92	6	2	-	-	10	10	800	1009.5	+6	N	4	c/r	32	85	7	5	-	-	10	10	1500	8	*	25	25	19	*	0.0		
	Cranwell	240	1011.2	-2	NW/N	3	z.	31	97	5	5	-	-	10	10	800	1012.1	+10	N/E	4	SoSo	31	97	4	6	-	-	10	10	800	8	*	28	27	10	*	3	0.0	
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	1013.9	+6	NNW	4	c	27	92	5	5	-	-	10	10	800	8	*	25	24	23	3	Tr	3.9			
	Upper Heyford	408	1011.5	-4	NNE	3	sf	28	92	3	2	-	-	10	10	800	1012.2	+6	NE	3	SoSo	30	92	5	5	2	-	10	10	450	8	*	27	23	20	Tr	1	*	
	Ross-on-Wyo	223	*	*	*	*	*	*	*	*	*	*	*	*	1014.5	+10	N	3	b	29	85	5	5	-	-	1	1	1500	8	*	22	21	15	-	-	6.5			
5	Hartland Point	299	1014.9	-8	NNE	4	c	34	75	8	-	-	0	7.8	5700	1014.6	+4	NNE	4	bc	36	65	8	8	-	-	4.6	4.6	2500	4	3	31	26	24	-	-	7.8		
	Bristol	209	1013.5	-6	N	3	bc/s	29	85	6	-	-	0	4.6	-	1014.2	+8	NNE	4	is.	30	85	5	5	-	-	10	10	2500	8	*	24	21	15	-	0.2	3.2		
	Portland Bill	32	1009.5	-8	N	4	bc	30	92	7	1	-	-	4.6	4.6	4000	1011.8	+4	N	4	c	32	92	7	5	-	-	10	10	4000	1	3	36	30	*	-	*		
	Plymouth	82	1014.5	-6	NW	4	c	29	65	7	-	-	0	10	-	1014.6	+2	N	5	c	33	75	7	5	9	8	2.3	7.8	4000	3	2	33	25	19	-	Tr	6.3		
	The Lizard	240	1015.3	-2	NNW	3	bc	31	85	8	4	-	-	2.3	2.3	2500	1015.3	+2	ENE	4	bc	33	85	8	8	-	-	4.6	4.6	2500	3	1	40	26	*	-	1	4.7	
	Scilly (St. Mary's)	163	1015.9	-4	NNE	5	bc	38	65	8	4	-	-	4.6	4.6	2500	1016.0	+2	N	7	c/pr	39	75	7	8	6	-	7.8	9	1500	4	4	35	32	*	-	1	1.1	
	Guernsey	175	1010.7	-6	NNE	6	is.	34	75	7	8	-	-	9	9	800	1010.8	+10	NNE	5	s	35	75	6	8	-	-	10	10	800	4	4	34	32	25	-	Tr	1.8	
6	Pembroke	142	1016.1	-4	NE	4	bc	33	92	7	5	4	-	2.3	2.3	2500	1016.5	0	NE/N	4	bc	35	65	8	5	7	-	1	2.3	2500	3	2	31	21	*	-	-	6.3	
7	Holyhead	28	1017.5	-4	N	5	bc	35	75	7	1	-	-	4.6	4.6	2500	1017.5	+4	N	5	b	37	75	7	7	-	-	1	1	2500	8	3	36	34	30	-	-	6.6	
	Chester (Sealand)	16	1015.6	-12	NW	4	z.	29	92	6	-	-	0	2.3	-	1016.1	+4	NW	4	z.	30	92	5	5	-	-	0	1	-	5	*	29	25	22	-	-	4.7		
8	Manchester	70	1015.0	-2	NNW	4	z.	30	75	6	5	3	-	2.3	7.8	4000	1015.6	+6	NW	3	z.	29	97	5	5	3	-	Tr	1	4000	8	*	25	28	21	-	-	0.0	
10	Spurn Head	29	1010.0	-2	NE/N	4	c/ps	33	85	6	9	2	-	4.6	10	220	1011.3	+8	NE/N	4	ss	32	85	6	5	-	-	10	10	220	7	4	34	31	*	6	5	0.0	
	Catterick	175	1014.7	0	NNW	3	is.	31	85	6	5	-	-	9	9	1500	1014.8	+2	NNW	3	ps	30	85	6	8	-	-	10	10	1500	9	*	39	27	*	0.3	4	*	
	Tynemouth	108	1015.9	0	NNE	6	c	36	85	7	2	-	-	7.8	7.8	2500	1015.7	+2	N	4	c/ps	35	97	6	9	-	-	7.8	7.8	1500	6	4	33	33	30	-	-	*	
11	St. Abbs Head	280	1016.8	-2	NNW	5	c	35	85	7	3	2	-	7.8	10	2500	1016.3	0	WNW	4	bc	31	75	7	4	-	-	4.6	4.6	2500	4	2	34	30	*	-	-	*	
	Leuchars	36	1018.5	-8	NW	3	b	26	85	8	-	-	0	0	-	1017.3	-6	WNW	2	b	25	85	7	-	-	0	0	-	8	*	27	24	19	-	-	2.2			
12	Benfrew (Abbots L.)	19	1020.6	-6	0	F	10	92	0	-	-	-	10	10	450	1019.8	-2	0	F	12	97	1	-	-	-	-	10	10	450	8	*	17	0	7	-	-	0.8		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	1017.7	-4	NNE	3	b	24	75	6	-	-	-	-	0	0	-	9	*	25	19	10	-	-	5.9		
	Point of Ayre	30	1018.6	-2	NNE	4	c	33	97	7	-	-	0	0	-	1018.0	-2	NNE	4	b	34	75	7	-	-	0	0	-	8	2	32	31	*	-	-	5.5			
13A	Tiree	22	*	*	*	*	*	*	*	*	*	*	*	*	1018.1	-8	ESE	1	SoSo	32	97	6	-	2	-	10	10	800	8	2	34	27	*	-	-	3.1			
13B	Stornoway	80	1020.2	-10	NW	2	c	28	97	6	5	7	7	4.6	10	4000	1019.1	-6	0	c	34	75	6	5	7	-	7.8	10	4000	7	0	32	28	*	-	-	2.1		
15	Dalwhinnie	1176	*	*	*	*	*	*	*	*	*	*	*	*	1020.0	-18	0	0	b	9	97	7	4	-	-	-	1	1	2500	8	*	1	53	12	-	-	0.0		
	Aberdeen	79	*	*	*	*	*	*	*	*	*	*	*	*	1016.6	-8	NW/W	4	b	28	85	6	5	-	-	1	1	2500	8	2	25	23	22	-	-	2.7			
	Wick	81	1019.1	-10	W	3	bc	21	97	6	5	4	-	2.3	2.3	2500	1017.7	-26	W	3	bc	24	97	7	5	1	-	2.3	2.3	2500	9	1	22	20	*	-	Tr	*	
16	Lerwick	156	1018.8	-14	N/E	3	bc	31	85	7	5	-	-	4.6	4.6	1500	1017.2	-10																					

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.



Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500
 50

EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.
WIND. Arrow 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.

Main table of weather observations at 1 hr. G.M.T., 7 hr. G.M.T., and Past 24 Hours. Columns include District, Stations, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, and Sea.

LONDON OBSERVATIONS table with columns for Day, Night, Min., Max., and Rainfall for various London stations.

Table with columns for Weather, Temperature, Rainfall, Sunshine, Humidity, and Atmospheric Pollution.

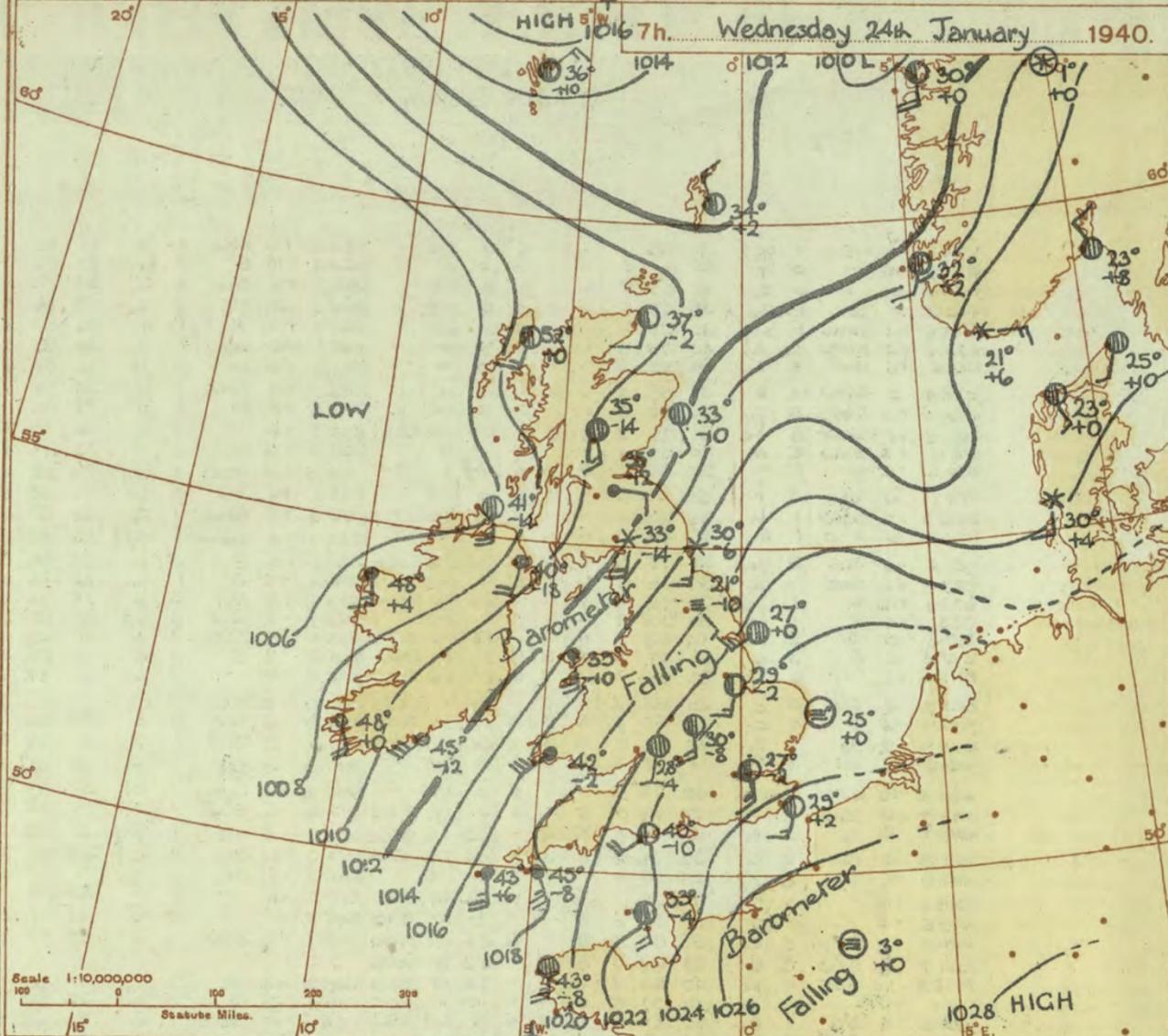
EXPLANATION OF FIGURES, LETTERS, etc. section explaining codes for barometric tendency, wind scale, and sea state.

FOREIGN OBSERVATIONS table for Paris, Brussels, Berlin, Zurich, and Rome.

Table with columns for 18h. G.M.T., 7h. G.M.T., and Past 24 Hours for foreign observations.

Table with columns for Beaufort No., Statute m/h., and other wind-related metrics.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th January, 1940.
1 S.E. England	Wind light or moderate south to southwest; mainly cloudy; cold but temperature rising a few degrees above freezing.
2 E. England ...	
3 E. Midlands ...	Wind south, moderate; cloudy, slight snow at first, slight rain later; temperature rising to average for the time of year.
4 W. Midlands ...	
5 S.W. England	Wind south fresh strong locally on coast; cloudy or dull, rain; rather mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind south moderate; cloudy; snow at first turning to rain; temperature rising to average for the time of year
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	As 5 - 7.
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	As 8 - 11.
14 Mid Scotland	
15 N. E. Scotland	Wind south, light or moderate cloudy, sleet or rain; temperature rising to average for time of year.
16 Orkneys and Shetlands	
17 N. W. Ireland	Wind north to northeast moderate, becoming southeast; cloudy, some sleet or rain later; rather cold but temperature slowly rising.
18 N. E. Ireland	
19 S. E. Ireland	Wind south moderate or fresh; cloudy or dull, rain; rather mild.
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.

A large complex depression covering the area between Iceland and the Azores is slowly extending its influence eastward across the British Isles. An anticyclone over France and Central Europe is moving east. Weather will be cloudy or dull with rain spreading to most districts except the extreme East and Southeast of England. It will be mild in the West and temperatures will rise slowly in the East.

FURTHER OUTLOOK.

Rainy and mild in the West and North. Conditions becoming slowly milder in the East.

Forecasts issued at 1115 G.M.T.
 N. K. JOHNSON, D.Sc., A.R.C.S., Director.
 H.M.S.O. Press, Cornwall House, S.E.1.
 2474/3205, No. 8109, D.4626, 6p. 248/1/40

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

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Clarke's Projection Scale 1: 4x10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500

EXPLANATION OF CHART.

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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: ○
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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. (T) Thunderstorm. T Slight haze. 50
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THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T. 24th January, Observations at 7 hr. G.M.T. 24th January, and Past 24 Hours. Includes data for London (Kew), Birmingham, and various coastal stations.

LONDON OBSERVATIONS table with columns for Day 7h-18h, Day 9h-18h, and Day 9h-21h. Includes data for Kew & Croydon, Kensington, and other London stations.

Weather, Temperature, Rainfall, Sunshine, Humidity, and Visibility tables for London. Includes columns for Morning, Afternoon, Night, Day Max, Night Min, etc.

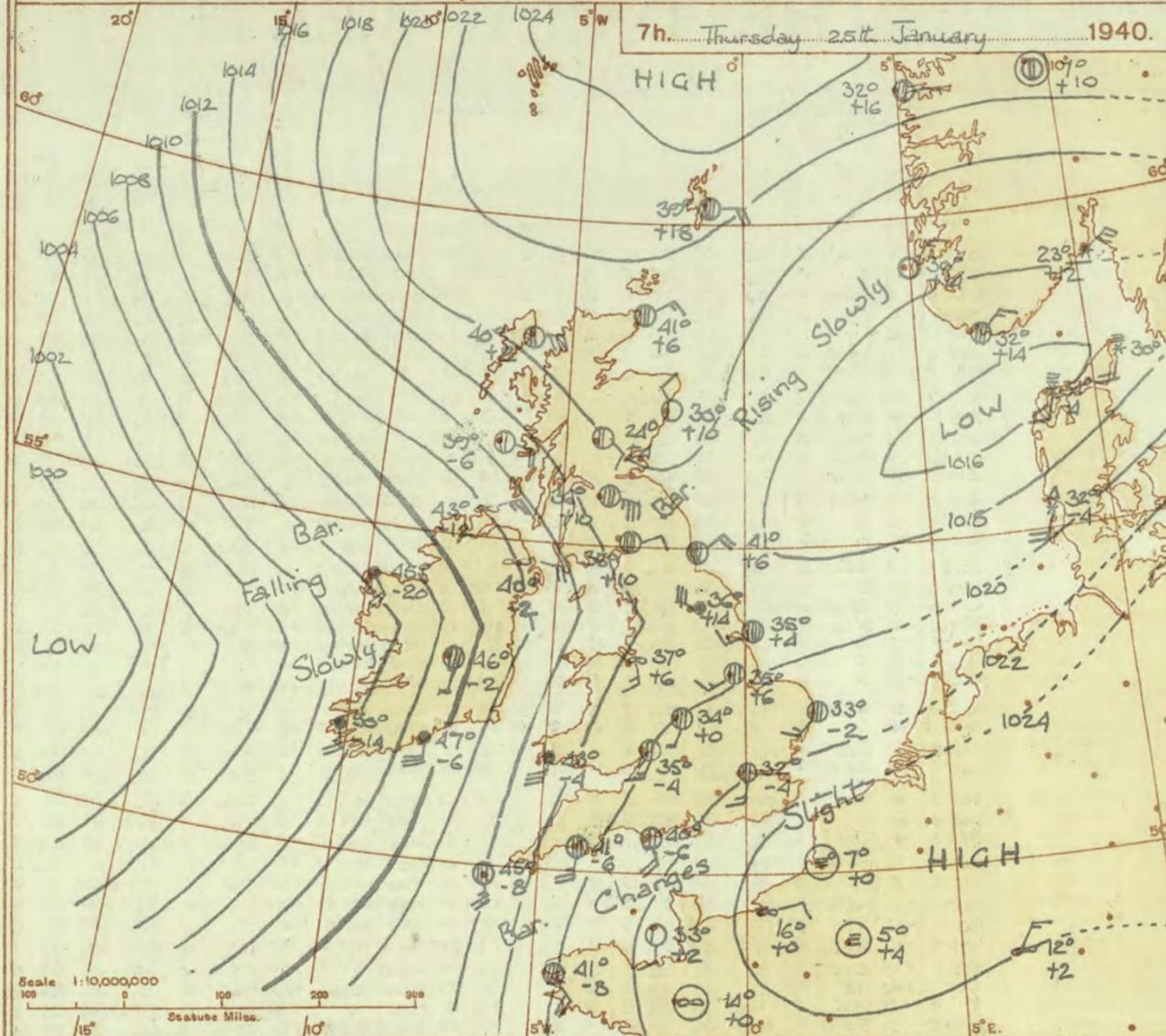
Atmospheric Pollution table with columns for Milligrams of Solid Impurity per cubic metre. Includes South Kensington and Kew Observatory data.

EXPLANATION OF FIGURES, LETTERS, etc. section. Includes columns for COLUMNS 2, 16, 4, 18, 30, 34, 35. Explains barometric tendency, wind scale, surface visibility, and sea state.

FOREIGN OBSERVATIONS table with columns for Stations, 18h. G.M.T., 7h. G.M.T., and Past 24 Hours. Includes data for Paris, Brussels, Berlin, Zurich, and Rome.

Weather, Temperature, Rainfall, Sunshine, Humidity, and Visibility tables for foreign stations. Includes columns for Morning, Afternoon, Night, Day Max, Night Min, etc.

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 25th January, 1940.
1 S.E. England	Wind light south to southwest; cloudy; cold, thaw during day, ground frost locally at night.
2 E. England ...	
3 E. Midlands ...	Wind light south to southwest; cloudy, some sleet or rain in Lincolnshire; cold, thaw during day, ground frost locally at night.
4 W. Midlands ...	
5 S.W. England	Wind south moderate, fresh on coast; cloudy; rain or drizzle at times; mild.
6 South Wales ...	
7 North Wales ...	
8 N.W. England	Wind variable, light; dull, rain, sleet or snow on high ground; average temperature.
9 N. Midlands ...	
10 N.E. England	Wind northeast moderate; dull, rain or sleet; rather cold.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	As 8 - 9.
13 { A.W. Scotland B.N.W. Scotland	Wind east moderate or fresh; cloudy or dull with rain or sleet; rather cold.
14 Mid Scotland	As 15.
15 N. E. Scotland	As 13A
16 Orkneys and Shetlands	Wind northeast moderate; variable cloud, scattered showers; rather cold.
17 N.W. Ireland	
18 N. E. Ireland	Wind east moderate, veering south; dull, rain or drizzle; average temperature, becoming rather mild.
19 S. E. Ireland	Wind south fresh, strong on coast; dull and misty with rain or drizzle at times; mild.
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.

A small depression off North Denmark and a large depression to the west of Ireland are moving northeast and are connected by a belt of low pressure across Central Ireland and Northern England. Weather will be cloudy generally with rain or sleet in North England and Scotland and rain or drizzle at times in the Southwest.

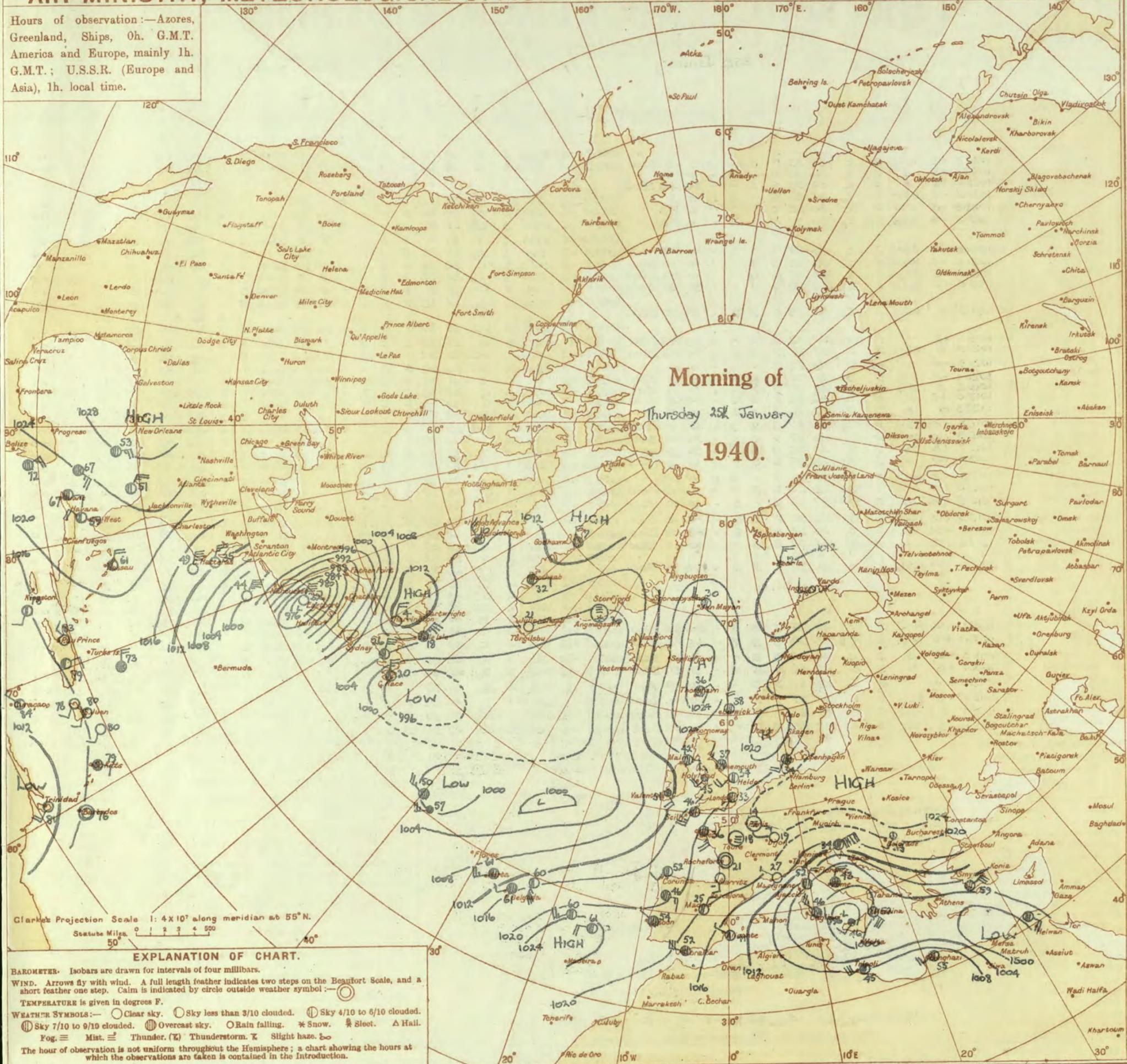
FURTHER OUTLOOK.

Mild and unsettled weather spreading slowly to most districts.

Forecasts issued at 1050.
N. K. JOHNSON. D.Sc., A.R.C.S.
Director.
H.M.S.O. Press, Cornwall House, S.E.1. 8474/3805, W. 8103, D. 4626, G. 348/140

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.



Clarke's Projection Scale 1: 4x10⁷ along meridian at 55° N.
 Statute Miles. 0 1 2 3 4 500
 50

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. Δ Hall. Fog. ≡ Mist. ≡ Thunder. (Z) Thunderstorm. K 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.

Main table of weather observations for 25th January 1940, including columns for District, Stations, Barom., Wind, Temp., Humid., Cloud, and Past 24 Hours.

LONDON OBSERVATIONS table with columns for Day, Night, Morning, Afternoon, Night, Day Max, Night Min, Min. on Grass, Rainfall, Sun-shine, Humidity, and Atmospheric Pollution.

Table for Foreign Observations with columns for Stations, Barom., Wind, Temp., Humid., Cloud, and Past 24 Hours.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 4, 8, and 30.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Table with columns for District, Stations, Observations at 13h G.M.T. 25th January, Observations at 18h G.M.T. 25th January, and Past 24 Hours. Includes weather symbols and cloud forms.

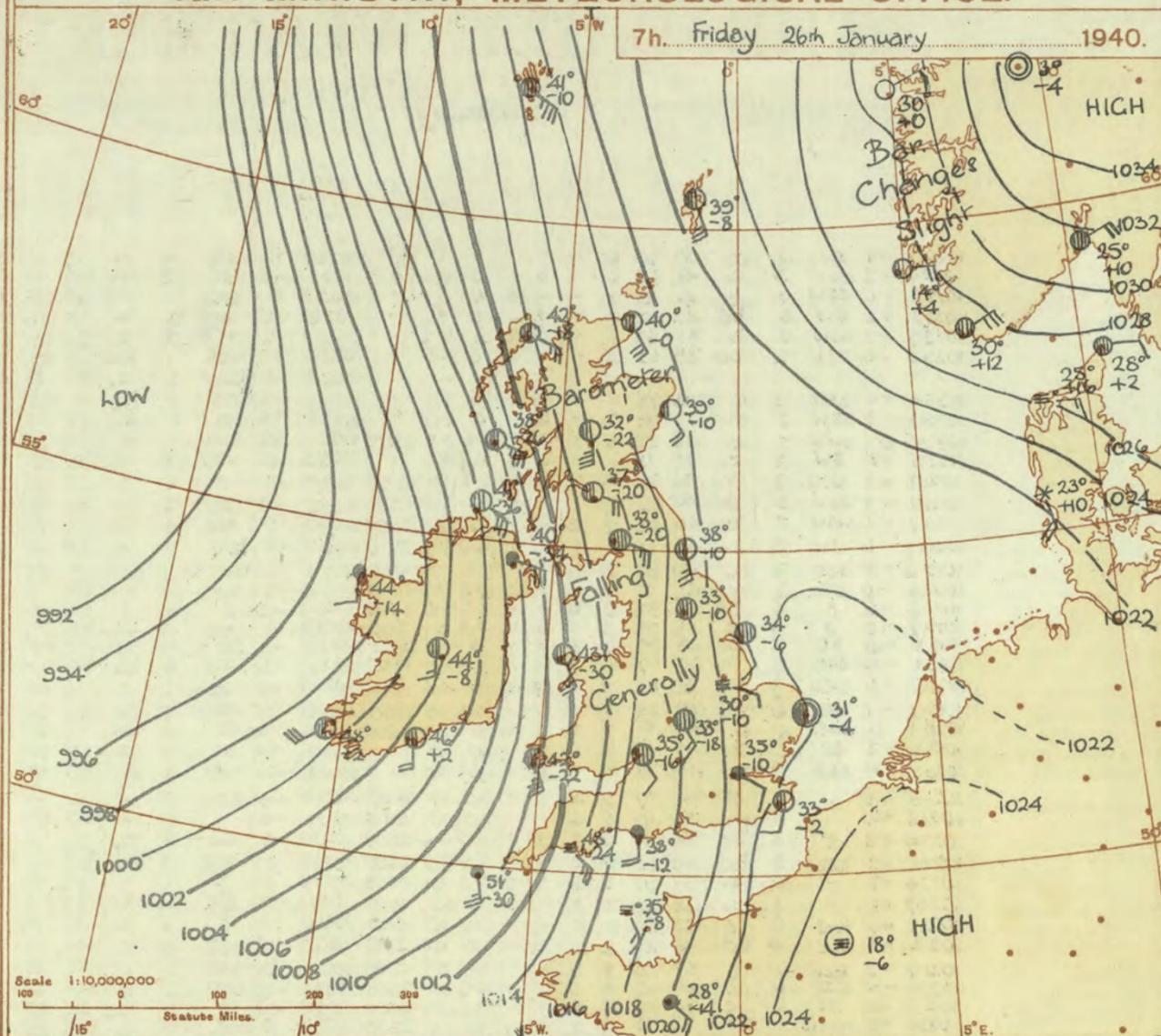
EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

Table explaining figures, letters, and symbols used in the weather report, including Beaufort notation, cloud forms, and 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.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Friday 26th January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th January, 1940.
1 S.E. England	Wind southeast light or moderate; cloudy; occasional slight rain; rather cold.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind southeast fresh, strong to gale on coasts, veering south; dull and misty with rain or drizzle at first, clearing later; rather mild.
6 South Wales ...	
7 North Wales ...	Wind south to southeast, fresh, strong to gale on coast; dull and misty with rain at times; average temperature.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Wind southeast fresh, cloudy; occasional rain; rather cold.
11 S.E. Scotland	As 7 - 9.
12 S.W. Scotland & Isle of Man.	
13 { A.W. Scotld. B.N.W.Scotland.	
14 Mid Scotland	Wind southeast fresh, strong to gale on coast; variable cloud; average temperature or rather cold.
15 N. E. Scotland	
16 Orkneys and Shetlands	As 20.
17 N. W. Ireland	
18 N. E. Ireland	Wind southeast fresh, strong or gale on coast, veering south; dull and misty with rain at first, clearing later; rather mild.
19 S. E. Ireland	
20 S. W. Ireland	As 5 - 6.
	Wind south strong or fresh; mainly cloudy, rain at times; rather mild.

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 over the whole of the North Atlantic and a small centre off Northwest Ireland is moving north. High pressure persists from Central Europe to Eastern France and over Scandinavia. Weather will be cloudy generally, rainy and mild in the West, occasional rain with temperatures slightly below the seasonal average in the East.

FURTHER OUTLOOK.

Similar.

Time of Issue of Gale Warnings.

Warning of SE to S gale issued for districts 5,6,7, 8,12,17,19 and 20 at 2000 G.M.T. on 25/1/40., for districts 13,18 at 0145 G.M.T. on 26/1/40., for districts 15,16 at 0920 G.M.T. on 26/1/40.

Forecasts issued at 1030.

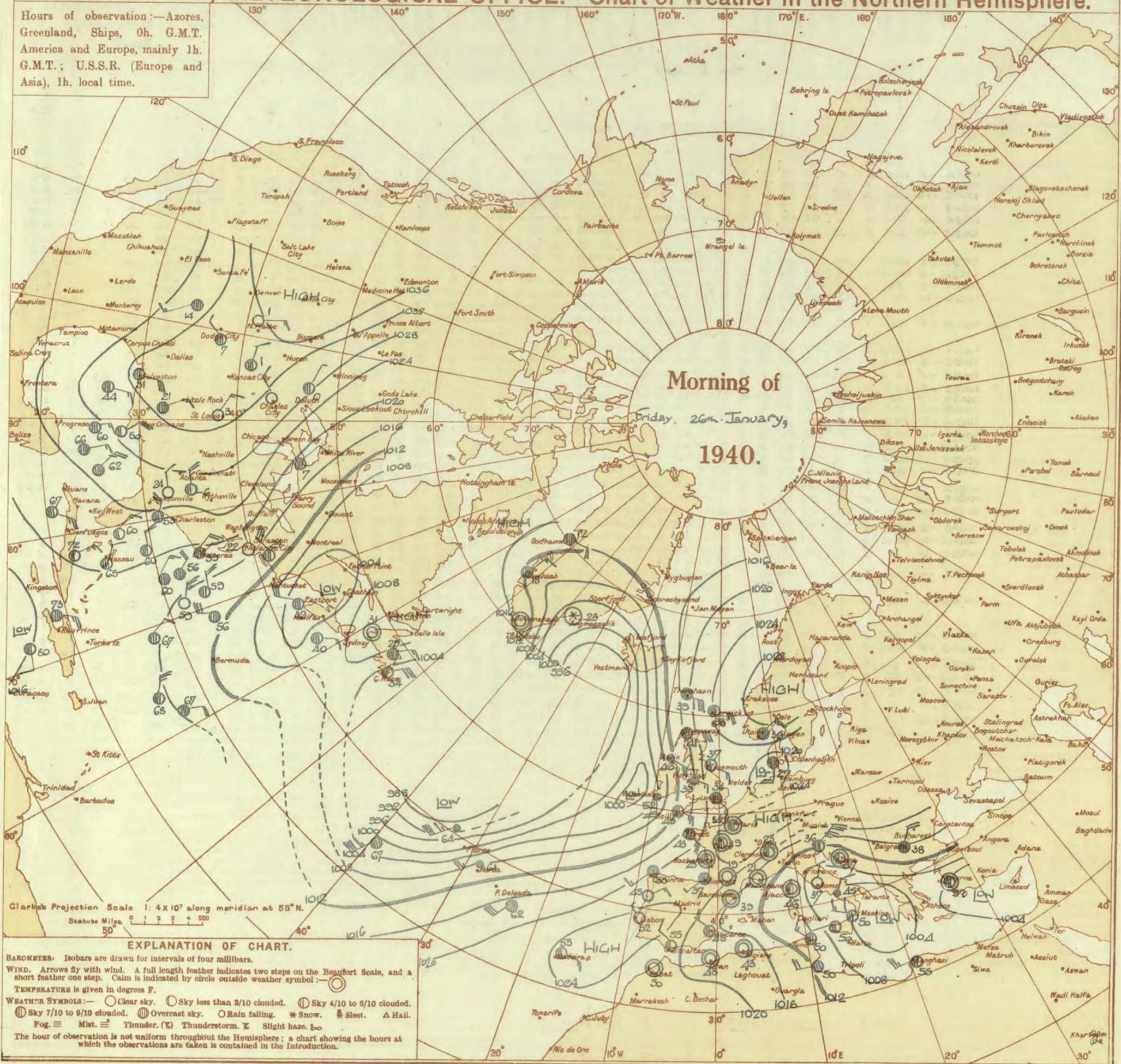
N. K. JOHNSON, D.Sc., A.R.C.S.,
Director.

H.M.S.O. Press, Cornwall House, S.E.1.

6474/2006. No. 5109. D.4626. 01.348. 1/40

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.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-columns for Wind, Temp., Humid., Cloud, etc.

LONDON OBSERVATIONS table with columns for Day, Night, Max., Min., and 24 hrs. ended 9h.

Table with columns for Weather, Temperature, Rainfall, Sun-shine, Humidity, and Atmospheric Pollution.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed codes for barometric tendency, surface visibility, wind scale, and state of sea.

FOREIGN OBSERVATIONS table listing stations like Paris, Brussels, Berlin, Zurich, and Rome with their respective weather and temperature data.

Table with columns for 18h. G.M.T., 7h. G.M.T., and Past 24 Hours, including sub-columns for Barom., Wind, Weather, Temp., and Rainfall.

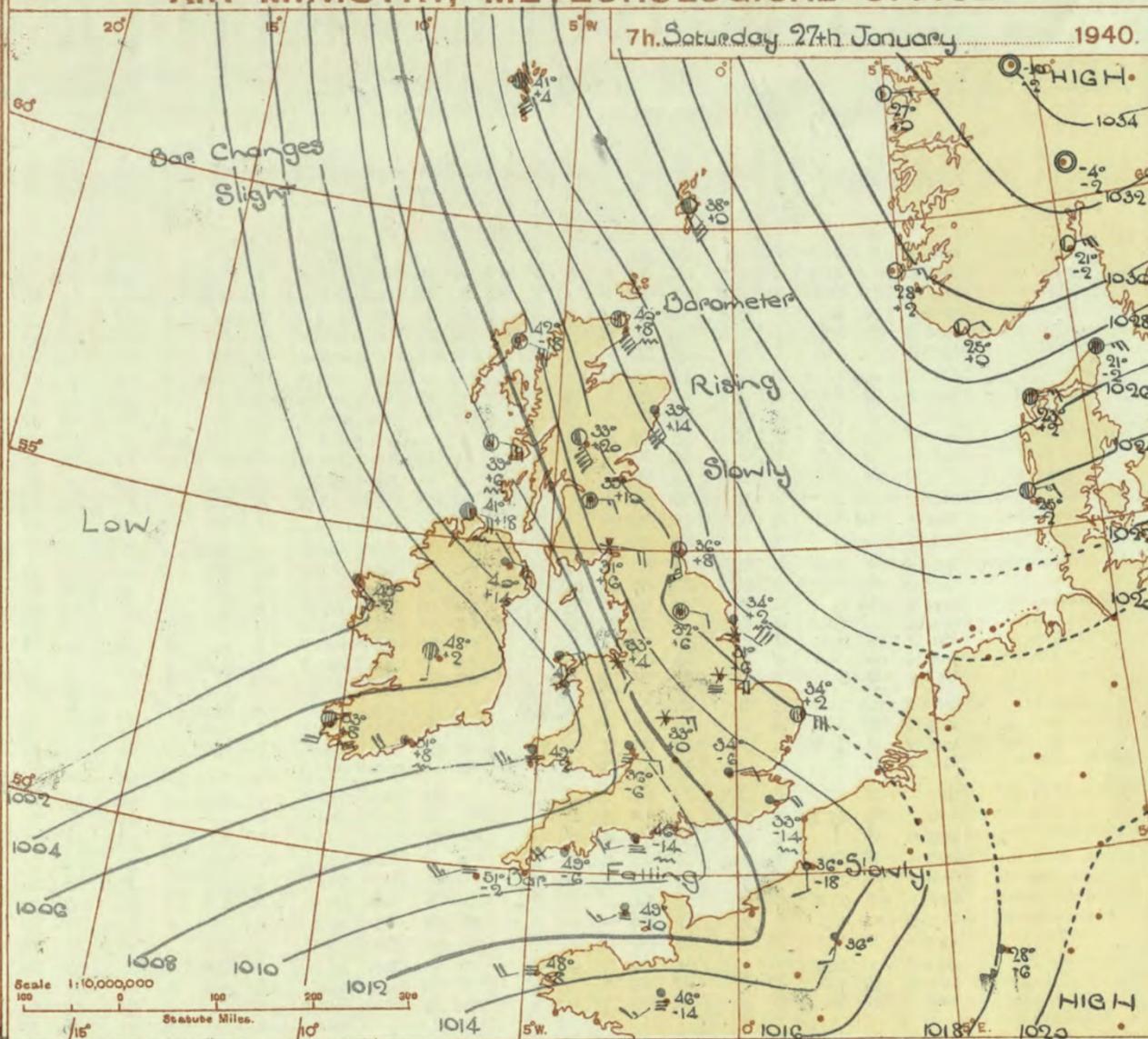
THE DAILY WEATHER REPORT

BRITISH SECTION
Saturday 27th January 1940.
No. 28,556.

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 26th January																														OBSERVATIONS at 18h. G.M.T. 26th January																														PAST 24 HOURS.			
DISRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.						Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.						Barom. at M.S.L. mb. (29)	Change in 3 hours. (30)	WEATHER.																																	
				Dirac.	Force. 0-12 (4)				Weather. (5)	Form.	Amount. Low 0-10 Total 10-10 (12) (13)	Height of Base. (feet) (14)	Form.	Amount. Low 0-10 Total 10-10 (23) (24)			Height of Base. (feet) (25)	Form.				Amount. Low 0-10 Total 10-10 (26) (27)	Height of Base. (feet) (28)	Sea. 0-9 (31)	7h.-13h. 26th. (37)	13h.-18h. 26th. (38)	18h.-24h. 27th. (39)			1h.-7h. 27th. (40)																																	
																															Low.	Med.	High	Low.	Med.	High	Low.	Med.	High																								
1	London (Kew)...	1015.8	-30	SE	2	ir.	37	65	5	7	0	10	1012.9	-10	E'N	2	of	33	97	3	5	5	10	1500	6	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																											
	Croydon ...	1016.7	-22	SE	4	c/r	36	75	6	7	46	10	1012.8	-10	SSE	3	bc/r	31	97	5	5	2	46	1500	4	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																											
	S. Farnborough	1015.3	-26	SE/E	4	r/r	37	88	6	2	10	10	1012.6	-12	SE/E	3	z	36	97	5	6	2	78	10	800	2	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
	Boscombe Down	1013.2	-34	SE	6	bc	34	97	1	5	10	10	1012.8	0	SE	2	of	35	97	2	5	1	10	1450	1	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																											
	Calshot (Soton.)	1014.2	-30	SE/E	4	r/r	36	97	5	2	10	10	1012.4	-10	E'S	2	of	37	97	2	2	1	10	10	800	1	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
	Lympe	1010.1	-22	SE	4	ph	33	85	6	5	7	10	1015.4	-12	SE	3	sf	32	97	1	1	1	10	10	1180	8	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Manston ...	1019.0	-22	SW	4	z	33	75	6	7	46	10	1015.8	+10	SW	4	ss	31	97	1	1	1	10	10	1450	8	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
2	Shoeburyness ...	1018.2	-20	SE/S	3	c	34	85	6	5	7	10	1013.8	-14	E	3	So	32	97	5	2	2	10	10	1500	7	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
	Felixstowe ...	1020.0	-18	SE	3	z	35	85	6	5	10	10	1011.6	-24	SE	4	rs	32	97	3	2	2	10	10	1150	4	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Gorleston ...	1019.9	-14	W/S	2	aps	35	85	6	5	10	10	1016.3	-4	S'E	5	ss	33	85	4	8	1	10	10	800	4	4	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Mildenhall ...	1018.5	-12	SE	4	z	36	75	6	5	10	10	1014.2	-8	SE/E	3	ss	32	97	3	5	1	10	10	800	7	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
	Cranwell ...	1016.3	-24	SE/E	4	sh	34	85	6	6	10	10	1013.9	-6	ESE	4	ss	31	97	3	6	1	10	10	800	8	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
3	Birmingham	1012.4	-24	SE	3	ir	33	92	4	2	10	10	1012.5	0	SE	1	F+	33	97	1	1	1	10	10	1150	8	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
	Upper Heyford	1014.1	-34	SE	4	ro	34	75	6	2	10	10	1013.1	-2	SE	2	of	33	97	3	2	2	10	10	220	7	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
4	Ross-on-Wye ...	1012.6	-20	S	2	rr	36	97	5	6	10	10	1011.9	-4	ESE	1	of	36	97	2	5	1	10	10	800	1	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
5	Hartland Point	1008.6	+4	SW	5	bc/r	48	97	8	8	2	2	2	2	SW	5	c	47	97	7	5	2	46	10	800	1	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Bristol ...	1012.0	-20	SSE	4	rr	37	97	6	2	10	10	1012.6	-12	SE	1	r	38	97	6	5	2	9	10	1500	1	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Portland Bill ...	1011.5	-34	S	5	rr	42	92	6	5	10	10	1011.8	+10	W	3	o	43	92	7	5	1	10	10	2500	1	4	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Plymouth ...	1010.8	-6	SW	4	o/r	47	97	5	5	10	10	1012.0	+14	W	1	c	48	97	5	3	1	9	10	800	1	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	The Lizard ...	1010.9	+6	SW	4	c	50	97	7	8	2	7	7	7	W	5	id	49	97	4	5	1	10	10	1500	1	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Soilly (St. Mary's)	1010.2	+14	SW	4	c	53	85	7	3	4	4	4	4	W	3	id	50	97	6	5	1	10	10	1500	1	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Guernsey ...	1013.6	-20	S	3	rr	41	92	5	5	10	10	1013.5	+12	W	2	o	49	97	6	5	1	10	10	2500	1	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
6	Pembroke ...	1008.1	0	SW	4	bc	48	92	7	2	6	2	2	2	SW	5	c	48	92	7	8	1	9	9	2500	1	2	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
7	Holyhead ...	1007.2	+10	SSE	5	c	44	92	8	7	3	7	7	7	SSE	4	r	45	92	7	6	2	9	10	800	1	2	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Chester (Sealand)	1012.0	-6	SE/E	4	rs	34	92	4	2	10	10	1011.1	-2	SE/E	3	m	34	97	4	5	1	10	10	800	6	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
8	Manchester ...	1013.2	-20	E	2	rr	35	75	5	5	10	10	1012.3	-2	E'N	3	of	34	92	3	5	1	10	10	800	7	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
10	Spurn Head ...	1017.7	-12	SE	4	So	34	85	5	5	10	10	1015.3	-4	SE/S	5	ss	33	97	2	5	1	10	10	1450	3	4	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Catterick ...	1015.2	-20	SE/E	3	So	34	85	4	5	10	10	1014.5	+2	SSE	3	So	31	97	2	1	1	10	10	1150	7	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
	Tynemouth ...	1016.9	-18	S	5	c	37	75	6	8	1	9	9	9	SSE	5	c/s	34	92	6	6	1	10	10	1500	4	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
11	St. Abbs Head	1013.6	-13	SSE	7	co	38	75	8	8	2	7	7	7	SSE	6	ss	33	92	5	3	2	7	10	1500	4	4	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Leuchars ...	1014.1	-24	ESE	5	o	39	75	8	5	1	10	10	1014.6	+2	ESE	4	rs	35	92	4	6	2	9	10	800	6	4	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																								
12	Retfrow (Abbots L.)	1012.1	-10	ESE	4	sf	35	85	3	5	10	10	1011.8	+2	E'S	3	sf	33	97	3	5	1	10	10	800	7	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
	Eskdalemuir ...	1013.0	-20	E'S	5	So	34	85	6	2	10	10	1012.2	-2	SE/E	6	So	30	97	5	2	1	10	10	480	6	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																										
	Point of Ayre ...	1008.6	-8	SSE	7	rr	36	97	4	2	10	10	1008.1	-2	SSE	7	rr	37	92	6	2	2	10	10	800	1	4	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
13A	Tiree ...	1005.4	0	ESE	7	c/d	38	92	7	6	1	10	10	1005.4	0	ESE	6	c	38	85	7	5	1	9	9	1500	1	5	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																								
13B	Stornoway ...	1010.0	-2	ESE	6	c	42	85	7	5	2	7	7	7	ESE	6	c	41	65	7	5	7	7	7	2500	1	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
15	Dalwhinnie ...	1012.5	-22	SE	9	c	33	92	7	4	7	10	1012.5	+28	S	2	ss	32	92	5	8	7	7	7	1500	8	3	*	cm	id	rh	ss	sf	off	cm	rr	cm	rr																									
	Aberdeen ...	1016.8	-6	SE	8	co	41	85	6	5	2	7	7	7	SE	8	co	41	92	6	5	2	7	7	1500	4	3	*	cm	id	rh	ss	sf	off																													

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 27th January, 1940.
1 S.E. England	Wind east moderate, fresh or strong on coast; dull with sleet or snow in considerable amounts; cold with temperature slightly above freezing
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind west to southwest moderate, fresh on coast; dull and foggy with rain or drizzle; mild.
6 South Wales ...	
7 North Wales ...	Wind east moderate or fresh, strong on coast; dull rain or snow at times becoming less frequent; cold but temperature slightly above freezing.
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 southeast to east strong, gale on coast at first; mainly cloudy, but some bright periods later, occasional showers of snow or sleet; cold but temperature above freezing.
14 Mid Scotland	
15 N. E. Scotland	As 7 - 13A.
16 Orkneys and Shetlands	
17 N. W. Ireland	
18 N. E. Ireland	
19 S. E. Ireland	As 5 - 6.
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 over Scandinavia is spreading slowly southwest. A trough of low pressure extending from Northwest Ireland to Central France is filling up in the Northern part but developing over France and the English Channel. Weather will be dull and cold with widespread snow or sleet in East and Southeast England, cloudy in the North with occasional snow or rain showers, dull and mild with rain drizzle and fog in the Southwest.

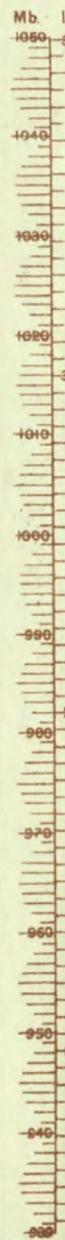
FURTHER OUTLOOK.

Cold with easterly winds in most districts but mild in the extreme southwest.

Times of Issue of Gale Warning.

Warning of southeast gale issued in districts 10, 11 at 1445 GMT 26/1/40
 Warnings of south to southeast gale still in operation in districts 7, 8, 12, 13, 15, 16, 18.

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



THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

Main table of weather observations at 1 hr. G.M.T., 7 hr. G.M.T., and Past 24 Hours. Columns include District, Stations, Height, Barom., Wind, Weather, Temp., Humid., Visibility, Cloud, Form, Amount, Height of Base, Barom. at M.S.L., Change in 3 hours, Wttd., Force, Weather, Temp., Humid., Visibility, Cloud, Form, Amount, Height of Base, State of Ground, Sea, Max. Day, Min. Night, Min. on Grass, Day Rain, Night Rain, Sun-shine.

LONDON OBSERVATIONS table with columns for Day, Night, 9h-18h, 9h-21h, and 24 hrs. ended 9h. Includes handwritten notes and data for various London stations.

Table with columns for Weather, Temperature, Rainfall, Sun-shine, Humidity, and Atmospheric Pollution. Includes handwritten notes and data for various stations.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 4, 18, 8, 22, 30, and 34, 35.

FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., Barom., Wind, Weather, Temp., Max. Day, Min. Night, Rainfall.

Table with columns for 18h. G.M.T., 7h. G.M.T., and Past 24 Hours. Includes handwritten notes and data for various stations.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

Table with columns for District, Stations, Observations at 13h. G.M.T. 27th January, Observations at 18h. G.M.T. 27th January, and Past 24 Hours. Includes weather symbols and data for various locations like London, Birmingham, and Plymouth.

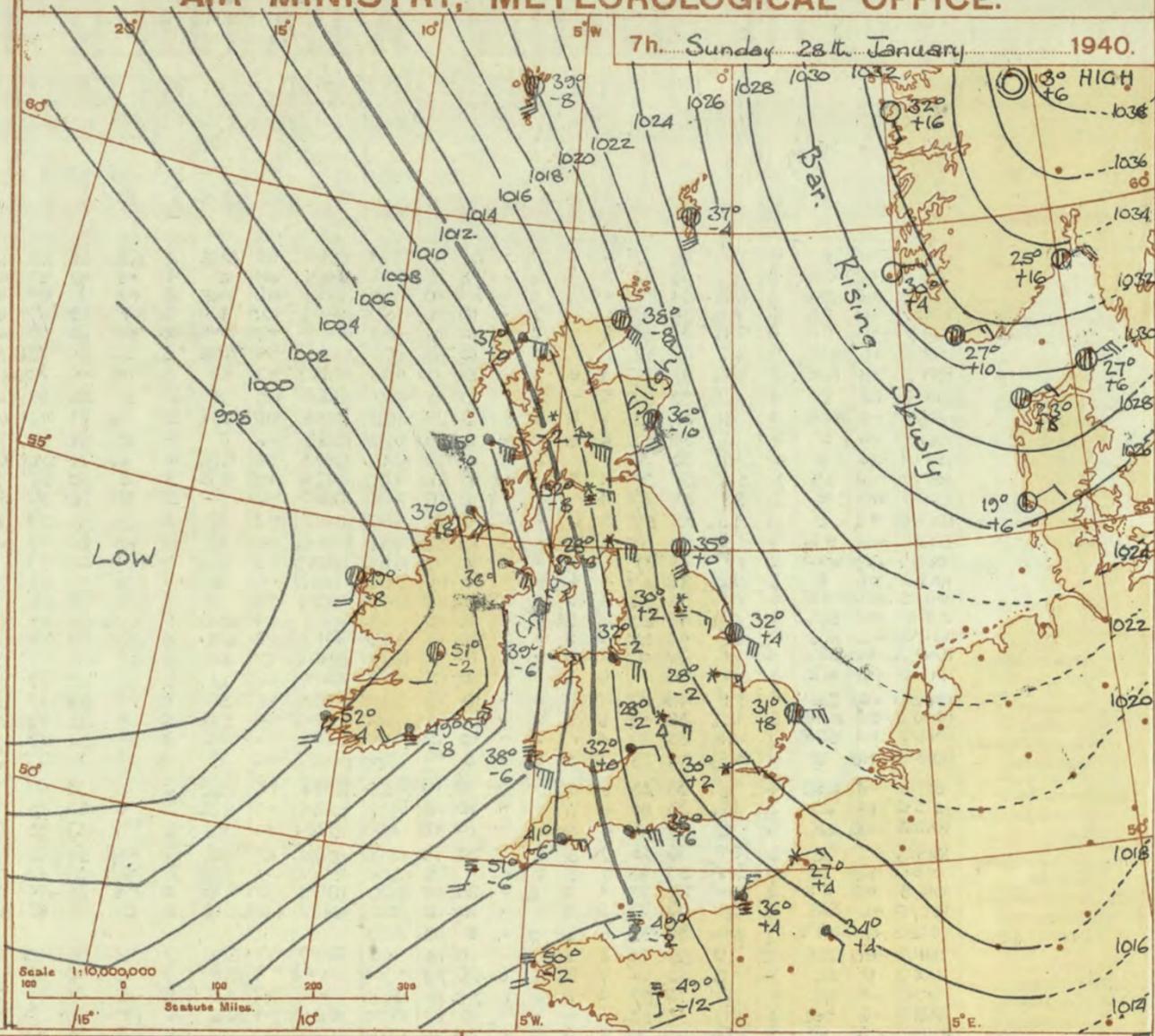
EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

Table explaining weather symbols and abbreviations. Columns include: 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; COLUMNS 12, 13, 26, 27.—FORM OF CLOUD; COLUMNS 23, 24.—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.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Sunday 28th January 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th January, 1940.
1 S.E. England	Moderate east wind, fresh on coasts; occasional snow; cold with slight frost day and night.
2 E. England ...	
3 E. Midlands ...	
4 W. Midlands ...	
5 S.W. England	Wind southeast, moderate or fresh; occasional rain, sleet or snow; cold, except in extreme southwest.
6 South Wales ...	Fresh southeast wind, strong on coasts; some sleet or snow; cold.
7 North Wales ...	
8 N.W. England	Fresh southeast wind, strong to gale on coasts; some sleet or snow; cold.
9 N. Midlands ...	
10 N.E. England	
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Strong southeast wind; light sleet or snow showers; cold.
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	
15 N. E. Scotland	
16 Orkneys and Shetlands	Moderate to fresh south wind; some rain; rather mild.
17 N. W. Ireland	
18 N. E. Ireland	Fresh southeast wind, strong on coasts; some rain, sleet or snow; cold.
19 S. E. Ireland	As 17.
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.

A large anticyclone is centred over Scandinavia and a trough of low pressure over Ireland and Southwest England is almost stationary. Wintry weather will continue over most of England and Scotland.

FURTHER OUTLOOK.

Cold weather continuing over most of the British Isles.

Time of Issue of Gale Warnings.

Gale warnings issued for districts 13B, 18 at 2000 on 25/1/40, districts 7,8,12,13A at 0145 on 26/1/40, districts 15 and 16 at 0920 on 26/1/40 districts 10 and 11 at 1445 on 26/1/40, district 6 at 1515 on 27/1/40.

Forecasts issued at 1030.

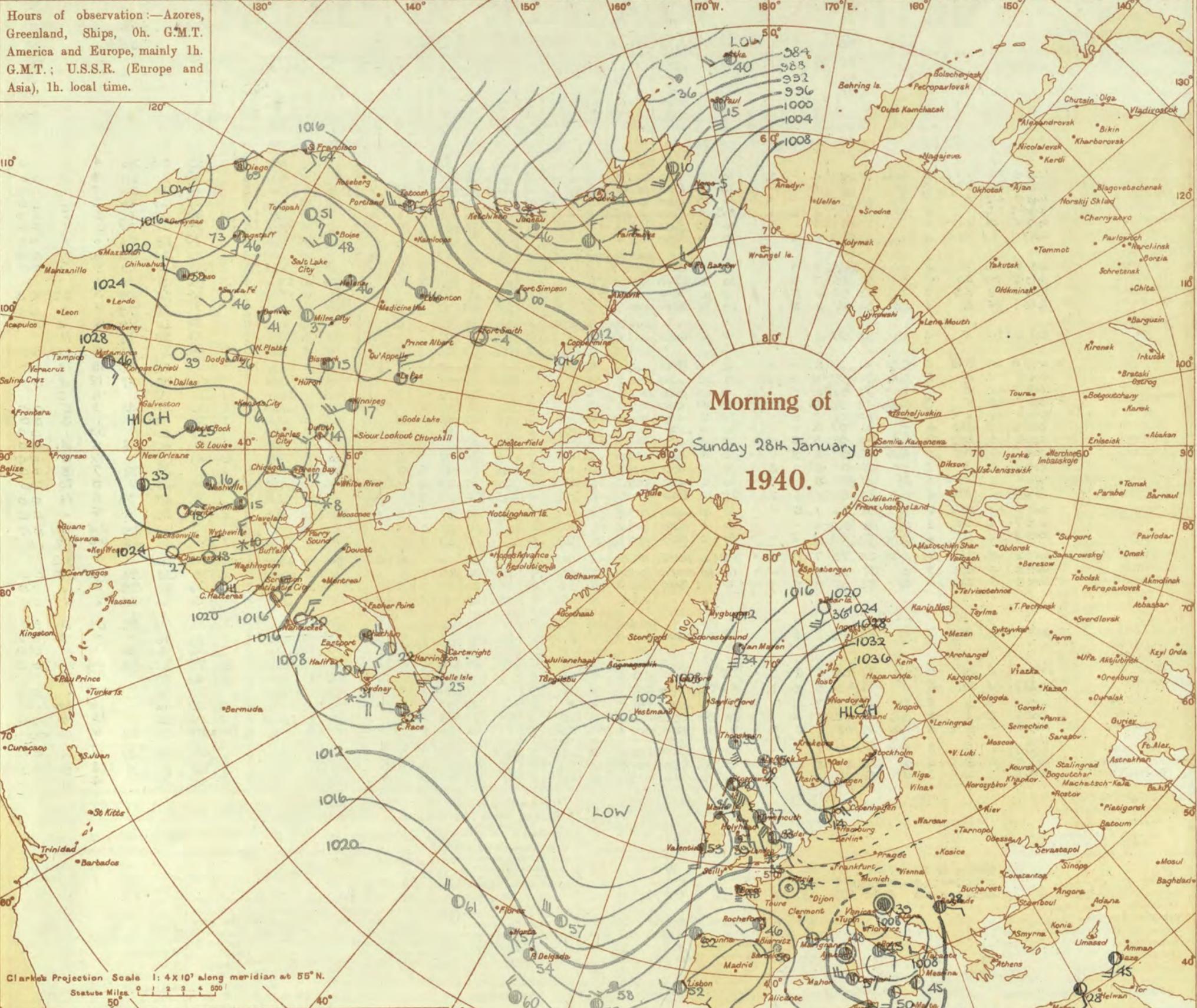
N. K. JOHNSON. D.Sc., A.R.C.S.
 Director.

H.M.S.O. Press, Cornwall House, S.E.1. 8474/3808. W. 8105. P. 4626. 0p. 948. /140.

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 28th January
1940.



Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500
50°

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. (⚡) 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.

Main weather observation table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-columns for Wind, Cloud, Temperature, Humidity, and Rainfall.

LONDON OBSERVATIONS

Summary table for London observations including Kew, Croydon, and other stations with columns for weather, temperature, and rainfall.

EXPLANATION OF FIGURES, LETTERS, etc.

Explanatory table defining symbols for atmospheric pollution, wind scale, and state of sea.

FOREIGN OBSERVATIONS.

Table for foreign weather observations from Paris, Brussels, Berlin, Zurich, and Rome.

TERMS OF SUBSCRIPTION.

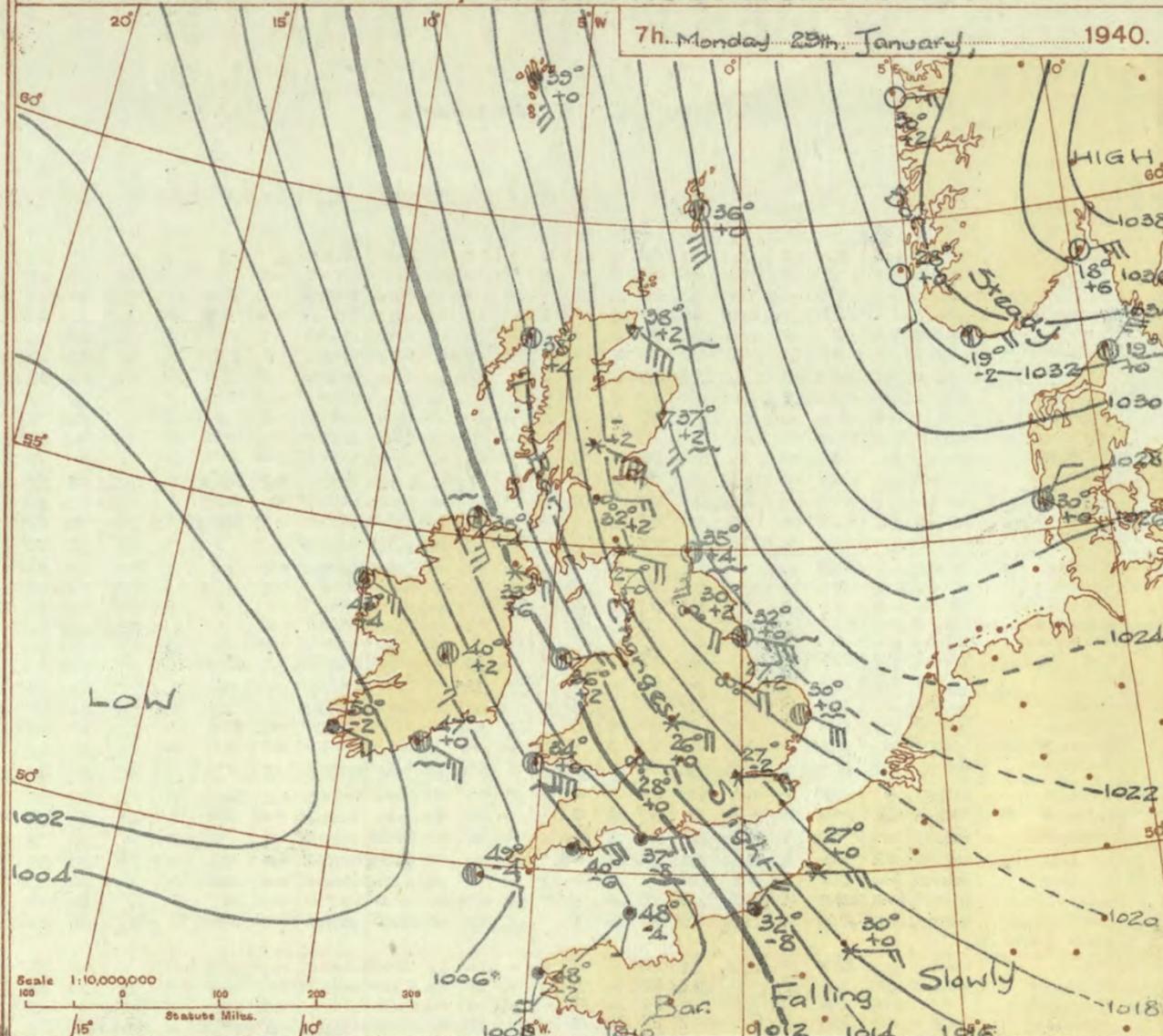
Subscription information: Single Copies, 1d. each; 2/6 per month; 6/6 per quarter; 25/- per year. METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON W.C.2. N. K. JOHNSON, D.Sc., A.R.C.S., Director.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

OBSERVATIONS at 13h. G.M.T. 28th January														OBSERVATIONS at 18h. G.M.T. 28th January														PAST 24 HOURS.													
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Visibility. 0-9 (8)	Cloud.					Barom. at M.S.L. mb. (15)	Change in 3 hours. (16)	Wind.		Temp. °F. (20)	Humid. % (21)	Visibility. 0-9 (22)	Cloud.					State of Ground. 0-9 (29)	Sea. 0-9 (30)	WEATHER.													
				Dirac. (3)	Force. (4)				Weather. (5)	Form.			Height of Base. (feet) (14)			Low. (9)	Med. (10)				High (11)	Low 0-10 (12)	Total 0-10 (13)	Dirac. (17)	Force (18)			Weather. (19)	Form. (23)	Med. (24)	High (25)	Low 0-10 (26)	Total 0-10 (27)	7h.-13h. 28th (37)	13h.-18h. 28th (38)	18h.-28th 29th (39)	1h.-7h. 29th (40)				
										Low.	Med.	High																										Low	Med.	High	Low
1	London (Kew)...	1017.5	0	E'N	4	31	85	5	2	-	4-6	10	800	1017.5	0	E'N	4	rs	31	85	4	6	2	-	7-8	10	800	3	*	hcs	ssm	chs	cs	Cr	Solo	Cr	Solo	Cr	Solo		
	Croydon ...	1017.9	-2	E'N	3	30	92	6	5	2	-	10	10	1500	1017.5	-2	E'N	4	rs	30	97	5	2	-	10	10	1500	3	*	as	sm	an	o	g	orm	ng	an	ssm			
	S. Farnborough	1017.1	-2	E'N	3	30	97	4	5	2	-	10	10	800	1016.5	+2	E'N	3	rs	30	97	4	5	2	-	10	10	800	3	*	as	sm	an	o	g	orm	ng	an	ssm		
	Boscombe Down	1015.3	-4	E'N	3	31	97	4	5	2	-	10	10	450	1015.3	+4	E'N	3	rs	31	97	4	5	2	-	10	10	450	5	*	as	sm	an	o	g	orm	ng	an	ssm		
	Calshot (Soton.)	1014.8	-10	E'N	5	33	97	3	5	2	-	10	10	450	1014.5	-2	E'N	6	rs	33	97	3	5	2	-	10	10	450	1	4	rs	md	df	od	df	od	df	od	df	od	df
	Lympe	1019.1	+2	E'N	5	28	85	6	5	2	-	10	10	800	1018.9	+2	E'N	5	rs	28	85	6	5	2	-	10	10	800	3	4	rs	md	df	od	df	od	df	od	df	od	df
	Manston	1019.4	+2	E'N	5	29	85	6	5	2	-	10	10	450	1018.6	-4	E'N	5	rs	29	85	6	5	2	-	10	10	1500	3	4	rs	md	df	od	df	od	df	od	df	od	df
2	Shoeburyness ...	1013.4	+6	E'N	5	31	97	6	5	2	-	7-8	10	7200	1019.1	-4	E'N	7	o	31	97	6	5	2	-	10	10	1500	3	*	mo	o	is	mo	o	is	mo	o	is		
	Felixstowe ...	1021.4	+4	E'N	4	32	97	7	5	2	-	9	10	1500	1021.2	-2	E'N	5	o	32	97	7	5	2	-	9	10	1500	3	3	mo	o	is	mo	o	is	mo	o	is		
	Gorleston ...	1021.7	+8	E'N	6	31	85	7	5	2	-	10	10	2500	1021.0	-8	E'N	6	o	31	85	7	5	2	-	10	10	2500	3	4	mo	o	is	mo	o	is	mo	o	is		
	Mildenhall ...	1019.9	+2	E'N	5	32	97	7	5	2	-	9	10	2500	1019.2	-4	E'N	5	o	32	97	7	5	2	-	9	10	2500	7	*	mo	o	is	mo	o	is	mo	o	is		
	Cranwell ...	1019.7	0	E'N	4	30	97	4	6	2	-	10	10	800	1019.7	+2	E'N	4	rs	30	97	4	6	2	-	10	10	800	3	*	mo	o	is	mo	o	is	mo	o	is		
3	Birmingham	1017.3	+2	E'N	4	29	97	3	6	2	-	10	10	800	1016.7	0	E'N	4	rs	29	97	3	6	2	-	10	10	800	3	*	mo	o	is	mo	o	is	mo	o	is		
	Upper Heyford	1017.5	+2	E'N	4	29	97	6	5	2	-	10	10	450	1017.1	-2	E'N	4	rs	29	97	6	5	2	-	10	10	1500	3	*	mo	o	is	mo	o	is	mo	o	is		
4	Ross-on-Wye ...	1015.3	0	E'N	2	31	97	3	5	2	-	10	10	450	1015.4	0	E'N	2	rs	31	97	3	5	2	-	10	10	450	5	*	mo	o	is	mo	o	is	mo	o	is		
5	Hartland Point	1008.8	-2	SSE	4	41	97	7	5	2	-	7-8	10	1500	1008.2	-2	SSE	4	rs	41	97	7	5	2	-	7-8	10	1500	1	2	mo	o	is	mo	o	is	mo	o	is		
	Bristol ...	1014.6	-2	E'N	3	32	97	5	5	2	-	9	10	800	1014.4	-2	E'N	3	rs	32	97	5	5	2	-	9	10	450	1	*	mo	o	is	mo	o	is	mo	o	is		
	Portland Bill ...	1012.6	-2	E'N	3	39	92	6	5	2	-	10	10	1500	1010.8	-2	E'N	3	rs	39	92	6	5	2	-	10	10	1500	1	5	mo	o	is	mo	o	is	mo	o	is		
	Plymouth ...	1010.9	-6	ESE	4	43	97	5	6	2	-	7-8	10	800	1010.1	-2	ESE	4	rs	43	97	5	6	2	-	7-8	10	800	1	2	mo	o	is	mo	o	is	mo	o	is		
	The Lizard ...	1009.4	-4	SSE	3	50	97	1	5	2	-	10	10	220	1008.3	-6	SSE	3	rs	50	97	1	5	2	-	10	10	450	1	2	mo	o	is	mo	o	is	mo	o	is		
	Soilly (St. Mary's)	1008.2	-8	SSW	3	52	97	2	5	2	-	10	10	450	1007.6	-2	SSW	3	rs	52	97	2	5	2	-	10	10	450	1	2	mo	o	is	mo	o	is	mo	o	is		
	Guernsey ...	1011.4	-4	SW	1	50	97	4	5	2	-	10	10	220	1010.7	0	SW	1	rs	50	97	4	5	2	-	10	10	220	1	2	mo	o	is	mo	o	is	mo	o	is		
6	Pembroke ...	1009.4	0	SE	7	38	97	5	5	2	-	10	10	800	1009.8	0	SE	6	rs	38	97	5	5	2	-	10	10	800	1	3	mo	o	is	mo	o	is	mo	o	is		
	Holyhead ...	1009.3	+2	E'N	3	40	97	4	5	2	-	10	10	450	1009.7	+6	ESE	3	rs	40	97	4	5	2	-	10	10	220	1	1	mo	o	is	mo	o	is	mo	o	is		
	Chester (Sealand)	1015.6	0	SE	4	31	92	5	2	-	10	10	450	1016.1	+6	SE	4	rs	31	92	5	2	-	10	10	450	3	*	mo	o	is	mo	o	is	mo	o	is				
	Manchester ...	1017.8	+6	E'N	5	30	97	5	6	2	-	4-6	10	800	1017.0	-2	E'N	5	rs	30	97	5	6	2	-	7-8	10	800	3	*	mo	o	is	mo	o	is	mo	o	is		
10	Spurn Head ...	1020.7	0	SE	6	33	97	7	5	2	-	10	10	800	1020.8	+2	SE	7	rs	33	97	7	5	2	-	10	10	800	3	4	mo	o	is	mo	o	is	mo	o	is		
	Catterick ...	1020.4	+4	SSE	4	31	97	4	5	2	-	10	10	800	1020.5	+4	SE	3	rs	31	97	4	5	2	-	10	10	800	3	*	mo	o	is	mo	o	is	mo	o	is		
	Tynemouth ...	1020.7	+2	S	5	34	92	6	6	2	-	10	10	1500	1020.6	-2	S	6	rs	34	92	6	6	2	-	10	10	1500	4	4	mo	o	is	mo	o	is	mo	o	is		
11	St. Abbs Head	1017.6	+2	SE	8	33	85	6	5	2	-	10	10	1500	1018.5	+6	SE	8	rs	33	85	6	5	2	-	7-8	10	1500	1	5	mo	o	is	mo	o	is	mo	o	is		
	Leuchars ...	1019.9	+10	SE	7	33	97	5	2	-	10	10	220	1020.1	+4	SE	8	rs	33	97	5	2	-	10	10	1500	4	*	mo	o	is	mo	o	is	mo	o	is				
12	Rentrew (Abbots L.)	1016.5	+6	ESE	4	33	85	4	5	2	-	9	10	450	1017.0	+4	E	4	rs	33	85	4	5	2	-	9	10	450	3	*	mo	o	is	mo	o	is	mo	o	is		
	Eskdalemuir ...	1017.8	+2	SE	6	29	97	5	5	2	-	10	10	800	1017.4	-2	SE	6	rs	29	97	5	5	2	-	10	10	800	3	*	mo	o	is	mo	o	is	mo	o	is		
	Point of Ayre ...	1017.8	+2	SE	6	29	97	5	5	2	-	10	10	800	1017.4	-2	SE	6	rs	29	97	5	5	2	-	10	10	800	3	*	mo	o	is	mo	o	is	mo	o	is		
13A	Tiree ...	1008.4	0	SE	7	35	92	6	2	-	10	10	1500	1008.6	+12	SE	7	o	35	92	6	2	-	10	10	1500	1	5	mo	o	is	mo	o	is	mo	o	is				
13B	Stornoway ...	1012.9	+2	SE	7	38	85	6	5	2	-	9	10	1500	1012.7	0	SE	6	rs	38	85	6	5	2	-	4-6	10	1500	1	3	mo	o	is	mo							

AIR MINISTRY, METEOROLOGICAL OFFICE.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th January, 1940.
1 S.E. England	Moderate or fresh east wind; occasional snow; frost day and night.
2 E. England ...	Moderate or fresh east wind; cloudy, slight snow showers, frost day and night.
3 E. Midlands ...	
4 W. Midlands ...	Moderate or fresh east wind; some snow; frost day and night.
5 S.W. England	Moderate or fresh east wind, strong on coasts; some snow or sleet except in extreme southwest; cold.
6 South Wales ...	
7 North Wales ...	Moderate or fresh east wind, strong on coasts; some snow; slight frost day and night.
8 N.W. England	
9 N. Midlands ...	As 1.
10 N.E. England	Fresh east to southeast wind, strong on coasts; occasional snow; cold.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	Moderate or fresh east to southeast wind, strong on coasts; occasional snow, slight frost day and night.
13 { A.W.Scotld. B.N.W.Scotland.	
14 Mid Scotland	Fresh east to southeast wind, strong to gale on coasts; some snow; cold.
15 N. E. Scotland	
16 Orkneys and Shetlands	
17 N. W. Ireland	As 6 - 7.
18 N. E. Ireland	
19 S. E. Ireland	
20 S. W. Ireland	Moderate or fresh east to southeast wind, strong on coasts; rain or sleet; cold.

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 trough of low pressure over Ireland and Southwest England is almost stationary. Wintry weather will continue over most of the British Isles.

FURTHER OUTLOOK.

Wintry weather continuing for several days.

Time of Issue of Gale Warnings.

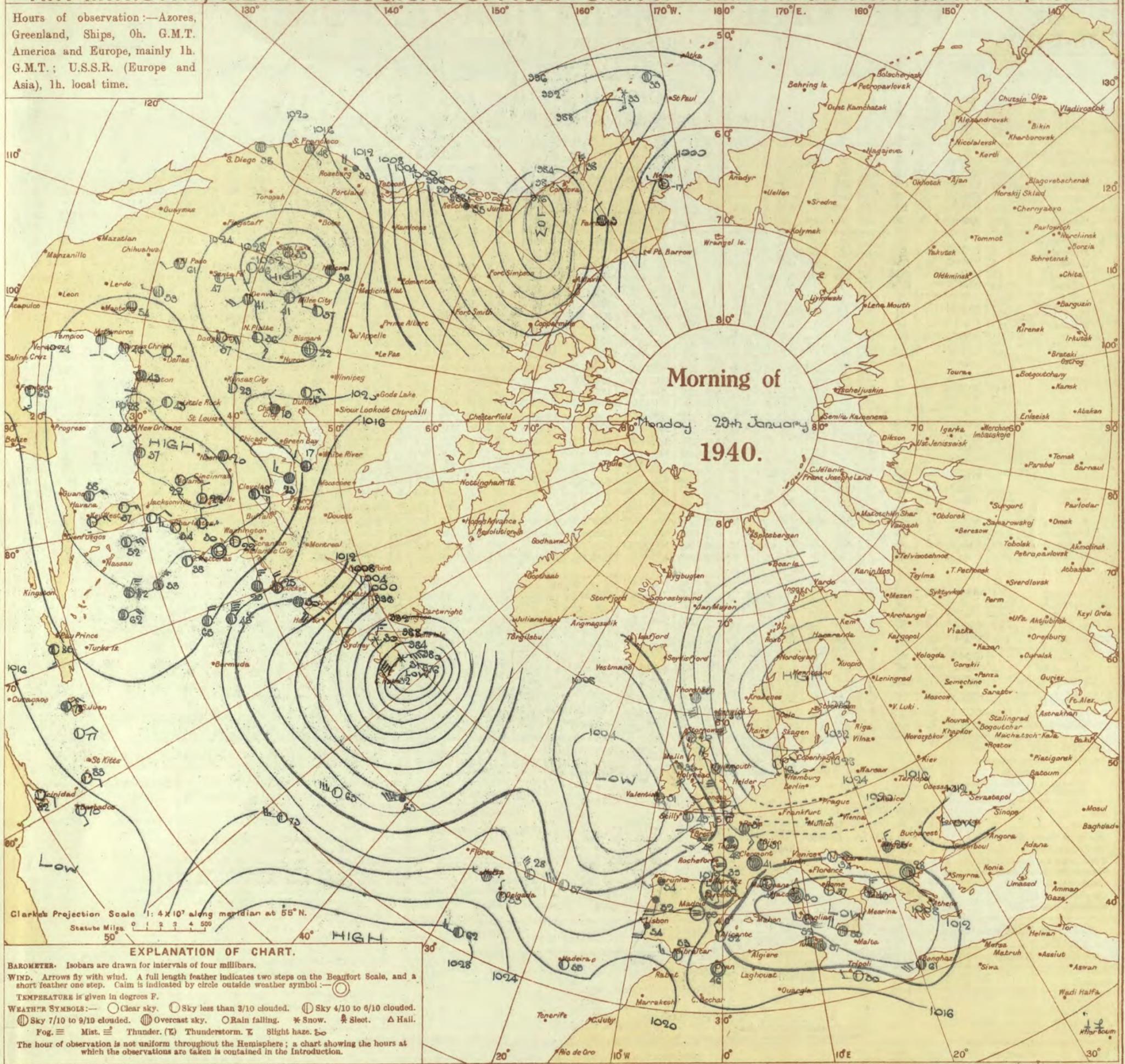
Warning of gale issued at 2000 on 25/1/40 in districts 15 and 16, in districts 17 and 18 at 0145 on 26/1/40, districts 1, 2, and 3 at 0920 on 26/1/40, districts 4 and 5 at 1445 on 26/1/40, districts 19 at 1515 on 27/1/40.

Forecasts issued at
N. K. JOHNSON, D.Sc., A.R.C.S.
Director.

H.M.S.O. Press, Cornwall House, S.E.1. 8474.3008. No. 5109. D. 4626. 6p. 348. 1/40

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.

Main table with columns for District, Stations, Observations at 1 hr. G.M.T., Observations at 7 hr. G.M.T., and Past 24 Hours. Includes sub-headers for Wind, Cloud, Temperature, Humidity, and Rainfall.

LONDON OBSERVATIONS table with columns for Day, Night, Max, Min, and Rainfall for various stations like Kew, Croydon, and Greenwich.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed definitions for weather symbols, wind scales, and other meteorological notations.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed definitions for weather symbols, wind scales, and other meteorological notations.

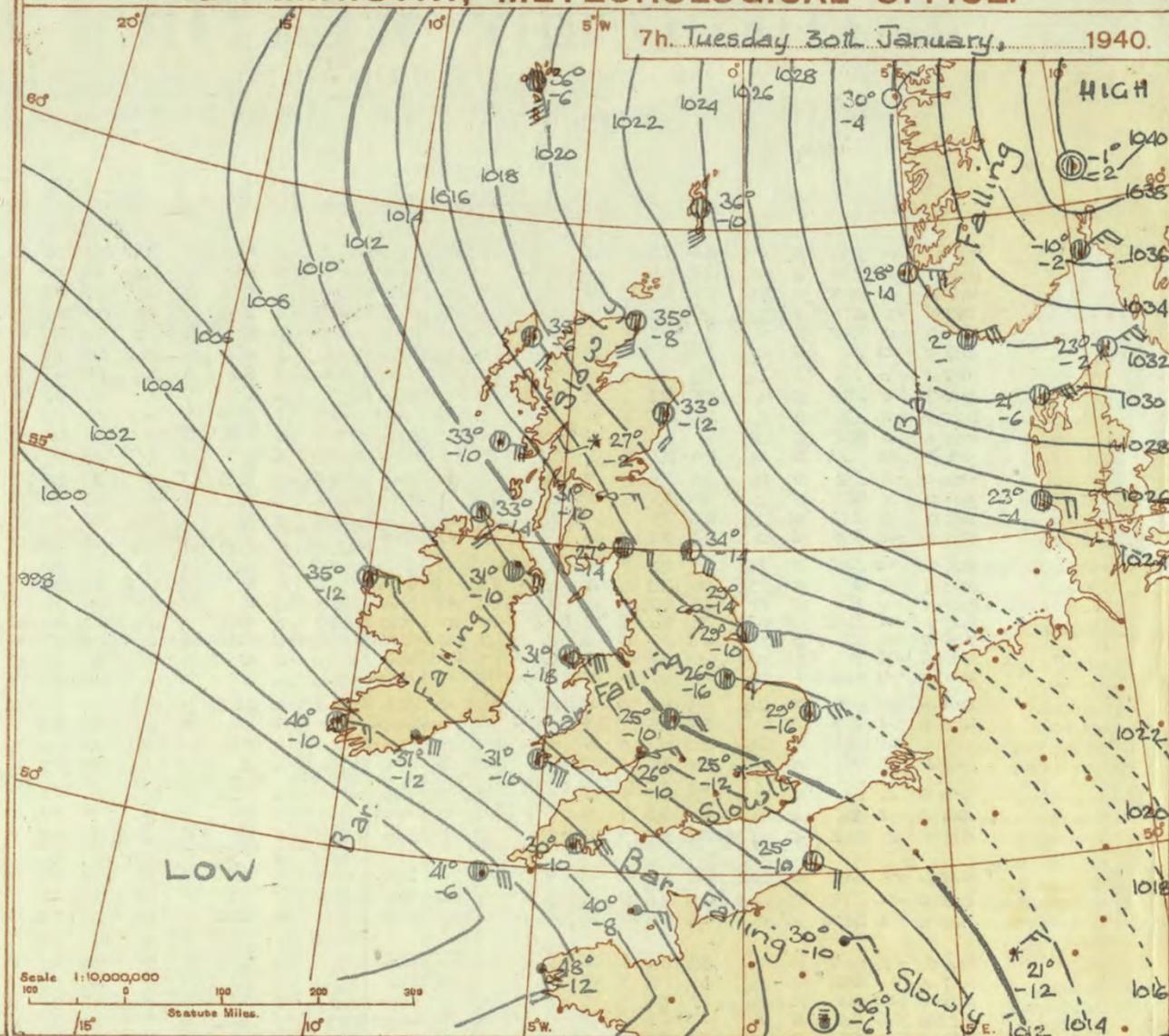
FOREIGN OBSERVATIONS table with columns for Stations, Barom., Wind, Weather, Temp., and Rainfall for Paris, Brussels, Berlin, Zurich, and Rome.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed definitions for weather symbols, wind scales, and other meteorological notations.

EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed definitions for weather symbols, wind scales, and other meteorological notations.

AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Tuesday 30th January, 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th January, 1940.
1 S.E. England	Wind east moderate to fresh, strong to gale on coast; dull with intermittent snow; very cold at first, with temperature rising slowly.
2 E. England ...	
3 E. Midlands ...	Wind east moderate to fresh, strong to gale on coasts; dull, with light snow showers near the coast; very cold at first, with temperature rising slowly tomorrow.
4 W. Midlands ...	
5 S.W. England	Wind east fresh to strong, gale on coasts; dull, with rain and snow, and glazed frost locally; cold.
6 South Wales ...	
7 North Wales ...	Wind east to southeast, moderate to fresh, strong to gale on coasts; cloudy, very cold.
8 N.W. England	
9 N. Midlands ...	
10 N.E. England	Wind south to southeast fresh to strong, gale on coasts; dull, with local snow showers, temperatures around freezing point on coast, and colder inland.
11 S.E. Scotland	
12 S.W. Scotland & Isle of Man.	
13 { A.W.Scotld. B.N.W.Scotland.	As 6 - 9.
14 Mid Scotland	
15 N. E. Scotland	As 10 - 11.
16 Orkneys and Shetlands	Wind southerly gale; cloudy with snow showers; cold.
17 N. W. Ireland	Wind east to southeast, moderate to fresh, strong to gale on coasts; cloudy with occasional rain in the extreme south; cold, with frost inland.
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 extensive anticyclone centred over the Gulf of Bothnia is moving slowly southeastwards, and pressure is low to the southwest of the British Isles. A trough of low pressure from Central to Northwest France and thence west-north-westwards is almost stationary. It will be dull generally with wintry showers along the east coasts of England and Scotland and rain or snow in Southern England and Southern Eire. Strong to gale winds will persist on most coasts. It will be cold generally with sharp frost in many districts.

FURTHER OUTLOOK.

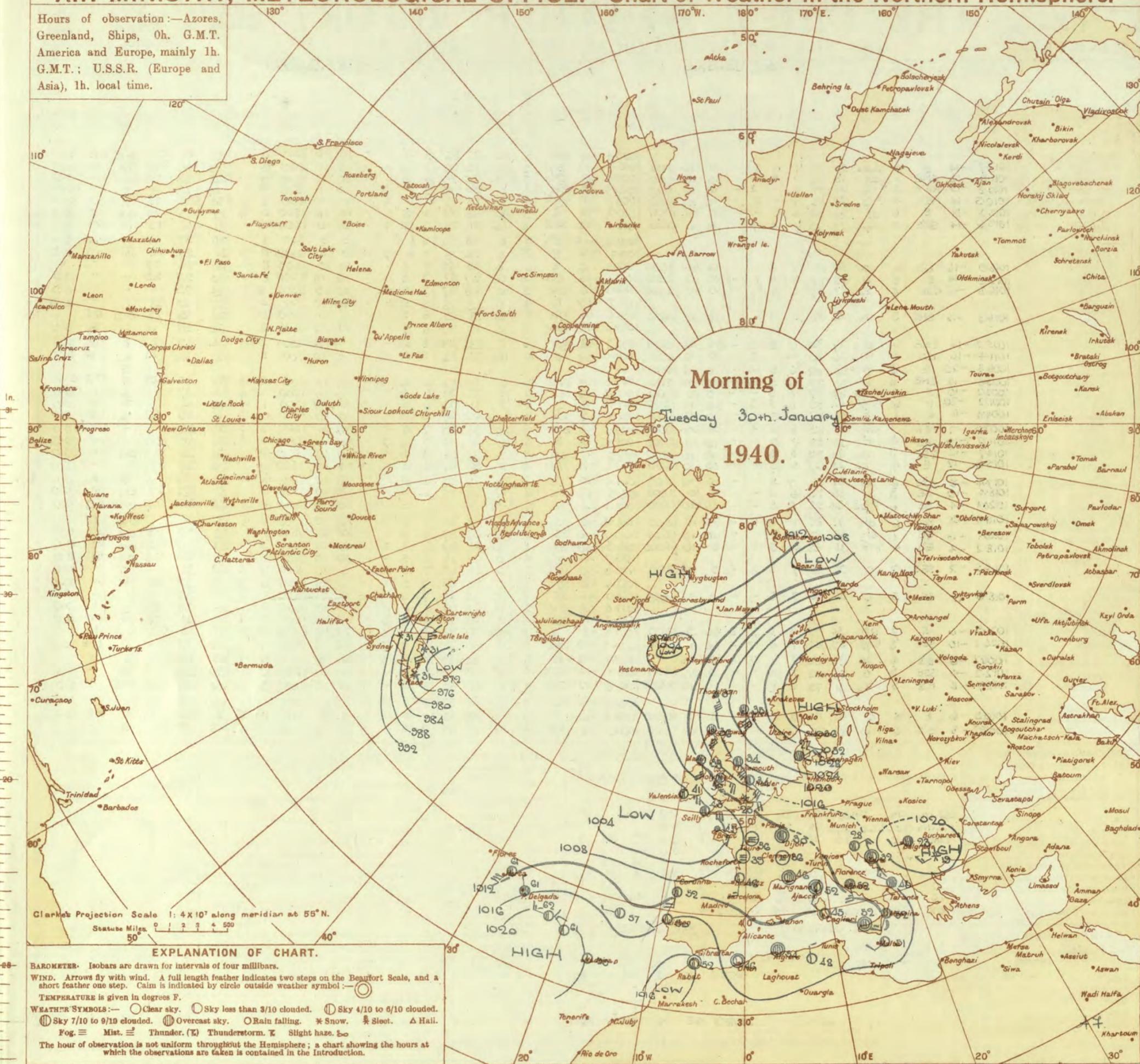
Cold, but temperatures rising slowly in most districts; some rain and snow in the south, with possibility of glazed frost locally; wintry showers in the east.

Gale warnings issued in districts 15, 16 at 2000, 25/1. 1, 2, 3 at 0920, 26/1. 4, 5 at 1445, 26/1. 17, 18 at 0145 26/1. 19 at 1515, 27/1. 6, 7, 8, 9 at 1450 29/1. 10, 11, 12 at 0925, 30/1/40.

Forecasts issued at 1030. N. K. JOHNSON. D.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.



Clark's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500
 50

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. (⊕) 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.

Main table of weather observations at 1 hr. G.M.T. and 7 hr. G.M.T. for 30th January, including stations like London (Kew), Croydon, and others, with columns for barometric pressure, wind, temperature, humidity, and cloud cover.

LONDON OBSERVATIONS table showing data for stations like Kew, Croydon, Greenwich, and others, including 24-hour rainfall and atmospheric pollution.

Table with columns for Weather, Temperature, Rainfall, Sun-shine, Humidity, and Atmospheric Pollution, providing detailed data for various stations.

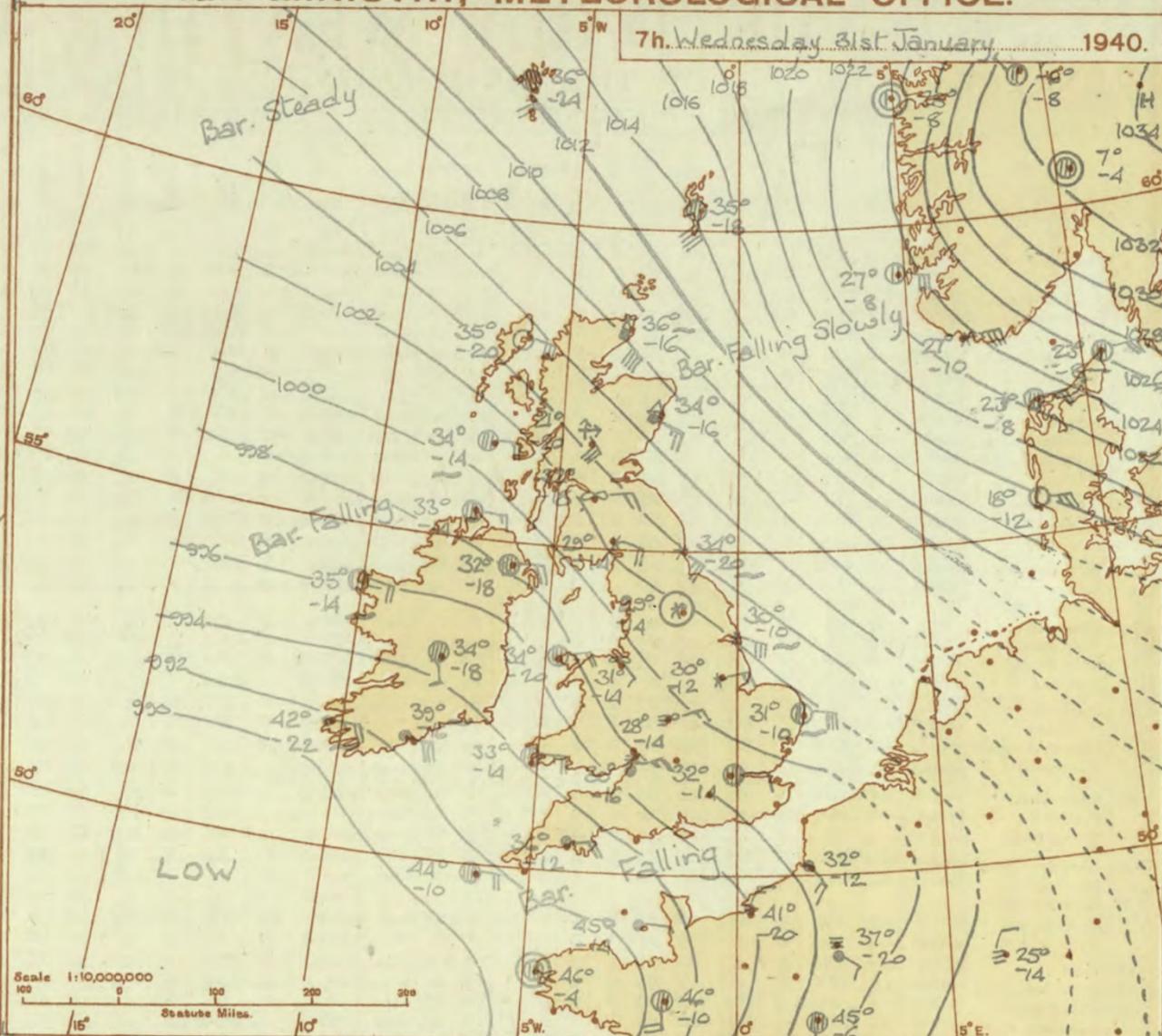
EXPLANATION OF FIGURES, LETTERS, etc. section containing detailed instructions for interpreting the data in columns 2, 16, 18, 30, 34, and 35.

FOREIGN OBSERVATIONS table for stations in Paris, Brussels, Berlin, Zurich, and Rome, showing barometric pressure and wind data.

Table for foreign observations including columns for Barom. mb., Wind, Weather, Temp. °F., and other meteorological data.

AIR MINISTRY, METEOROLOGICAL OFFICE.

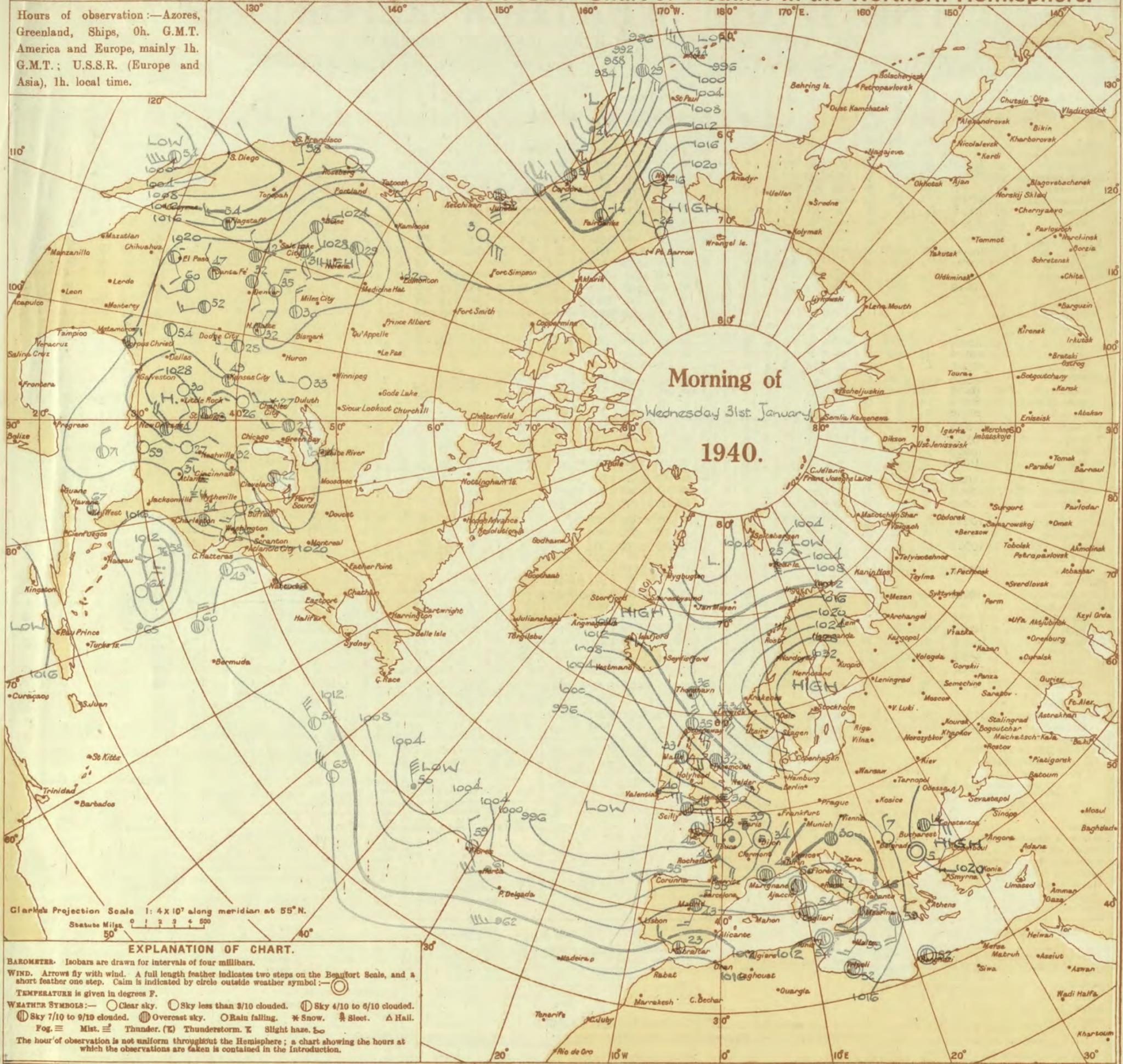
7h. Wednesday 31st January, 1940.



DISTRICTS.	FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 31st January, 1940.	<p>BAROMETER. Isobars are drawn for intervals of two millibars.</p> <p>WIND, WEATHER SYMBOLS. - For explanation see opposite page.</p> <p>SEA DISTURBANCE. ~~~~~ Rough. ~~~~~ High.</p> <p>BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.</p>
1 S.E. England	Wind east to southeast moderate; dull, with widespread rain or drizzle and much fog; temperatures rising to above freezing point.	<p>GENERAL INFERENCE.</p> <p>An extensive anticyclone centred over Northwest Russia is moving southeastwards and a depression to the southwest of the British Isles is spreading northeastwards. Rain will spread northwards over Ireland, England and Wales, preceded by snow and sleet in Wales, the Midlands and Northern England, and showers of sleet and snow will be frequent in eastern districts of Scotland. Glazed frost will occur locally in the northern half of England. Rather widespread fog will set in over most districts of England and Wales. Temperatures will rise.</p>
2 E. England ...	Wind east moderate, strong on coast; dull, with rather widespread rain or drizzle and fog, but intermittent sleet or snow in extreme north at first; a slow thaw setting in.	
3 E. Midlands ...	Wind east to southeast moderate to fresh; dull, with intermittent rain or drizzle and rather widespread fog; temperatures rising appreciably above freezing point.	<p>FURTHER OUTLOOK.</p> <p>A gradual thaw continuing in all districts.</p> <p><u>Time of Issue of Gale Warnings.</u></p> <p>Gale warning issued at 0920 on 26/1/40 in districts 1, 2 and 3.</p>
4 W. Midlands ...	As 2 - 4.	
5 S.W. England	Wind east moderate to fresh, strong to gale on east coasts; dull, with rather frequent snow showers in eastern districts, and more general snow spreading northwards, turning gradually to rain in England; a slow development of rather widespread fog; temperatures rising to just above freezing point.	<p>Forecasts issued at 1030.</p> <p style="text-align: right;">N. K. JOHNSON, D.Sc., A.R.C.S. Director.</p> <p style="font-size: small;">H.M.S.O. Press, Cornwall House, S.E.1.</p>
6 South Wales ...	Wind east to southeast moderate to fresh, strong to gale on coasts; dull, with rather frequent snow showers, especially in eastern districts; local fog tomorrow; temperatures above freezing point on coasts, and also inland later.	
7 North Wales ...	Wind east moderate to fresh; dull with rain tonight and tomorrow; rather cold.	
8 N.W. England	Wind east to southeast moderate to fresh; dull, with rain or drizzle; local coastal fog; rather cold, with temperatures rising appreciably.	
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.		
14 Mid Scotland		
15 N. E. Scotland		
16 Orkneys and Shetlands		
17 N. W. Ireland		
18 N. E. Ireland		
19 S. E. Ireland		
20 S. W. Ireland		

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.



Clark's Projection Scale 1: 4 x 10⁷ along meridian at 55° N.
 Statute Miles 0 1 2 3 4 500

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.

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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.

