M.O. FORM 2373

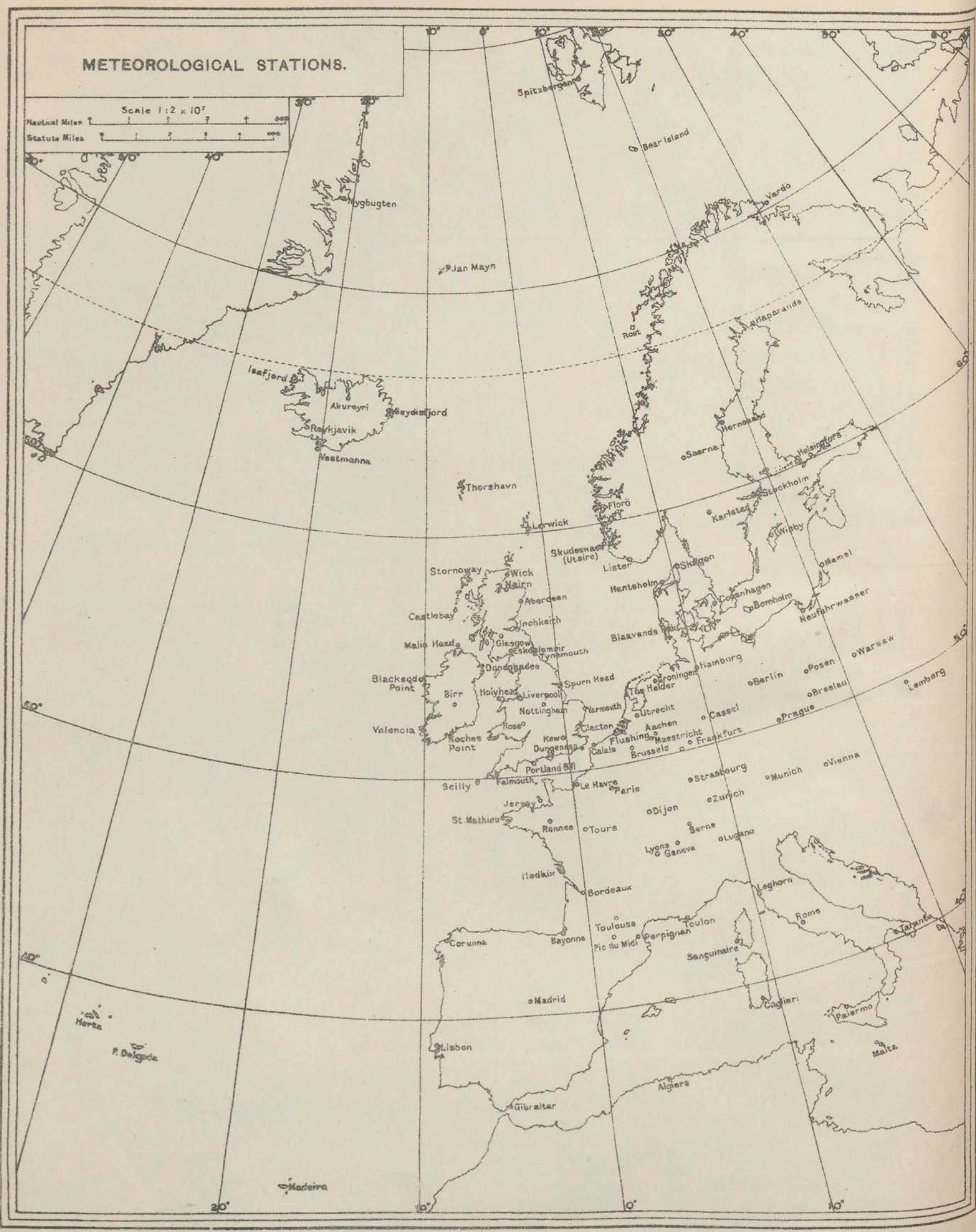
AIR MINISTRY.

METEOROLOGICAL OFFICE.

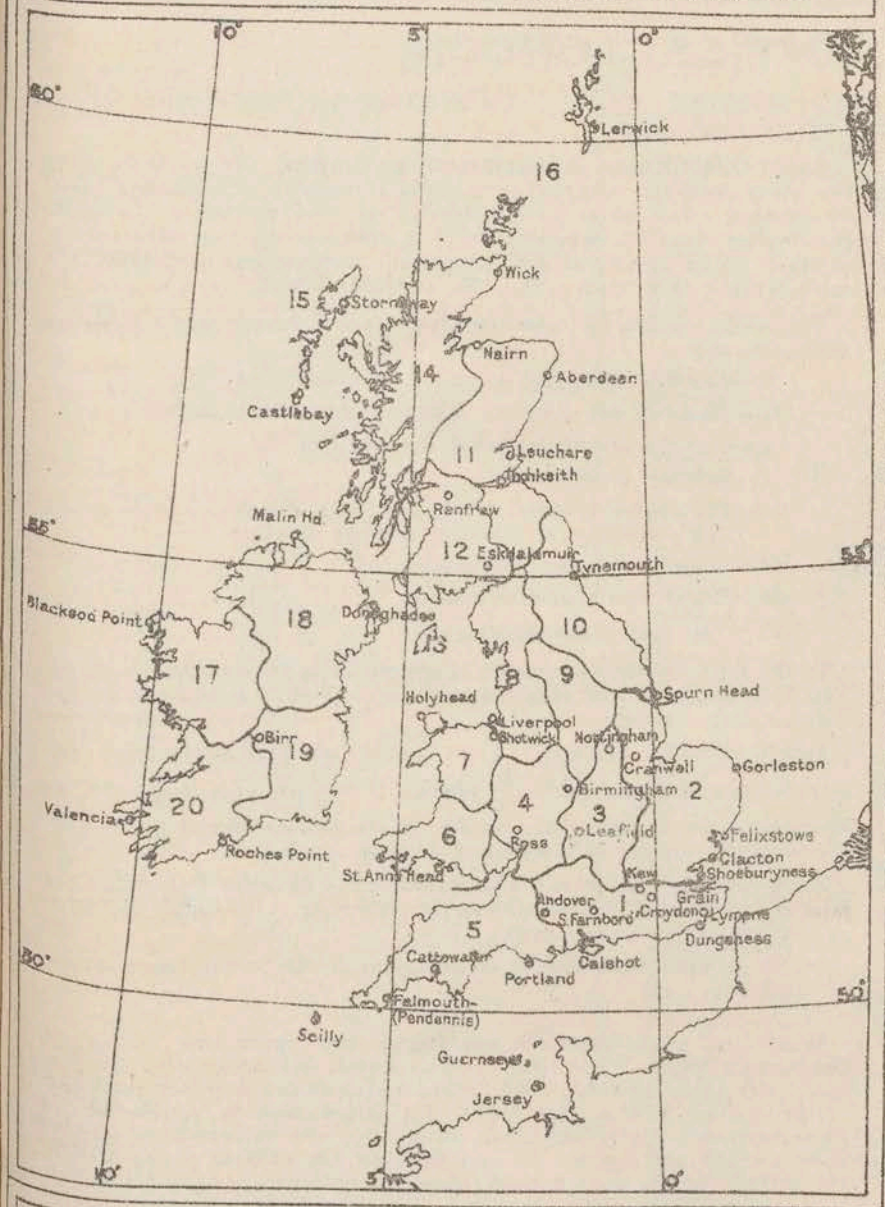
LONDON.

DAILY WEATHER REPORTS

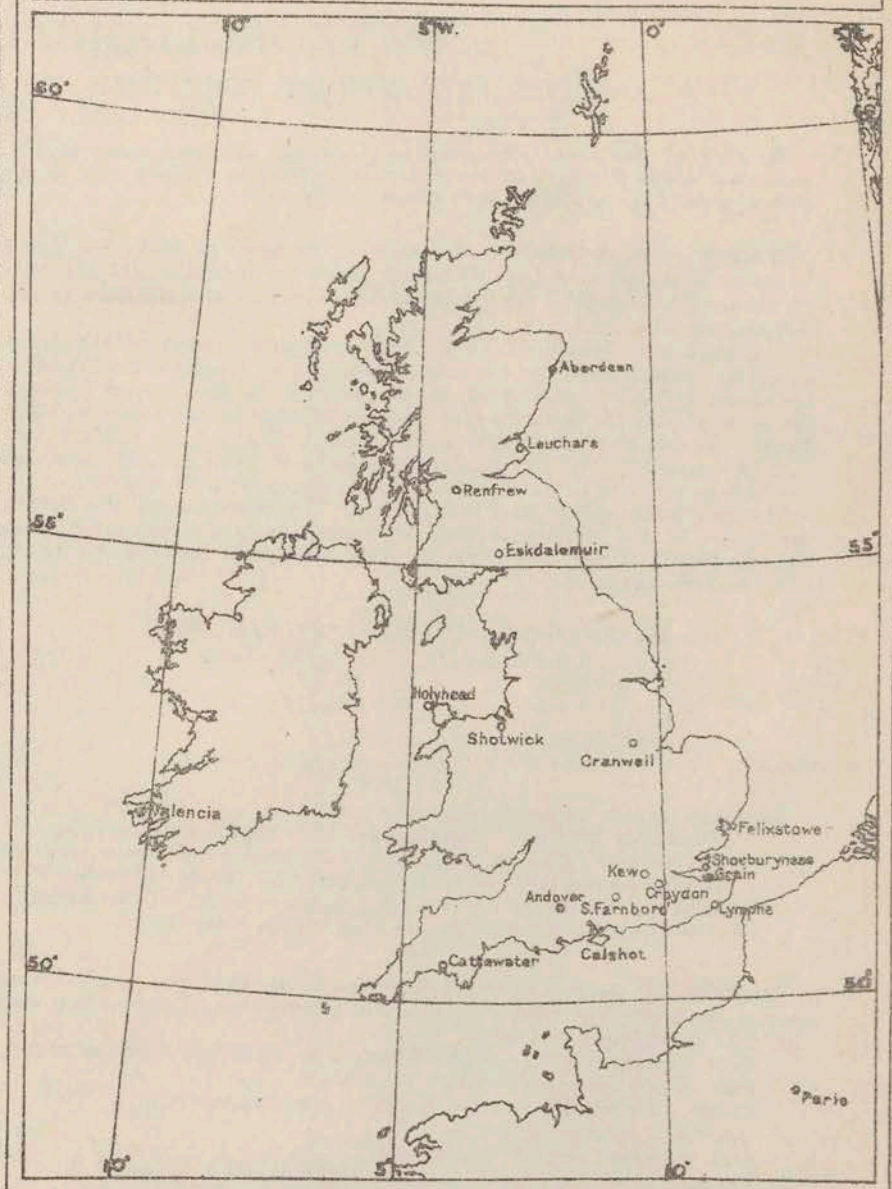
1ST JANUARY TO 31ST MARCH, 1924.

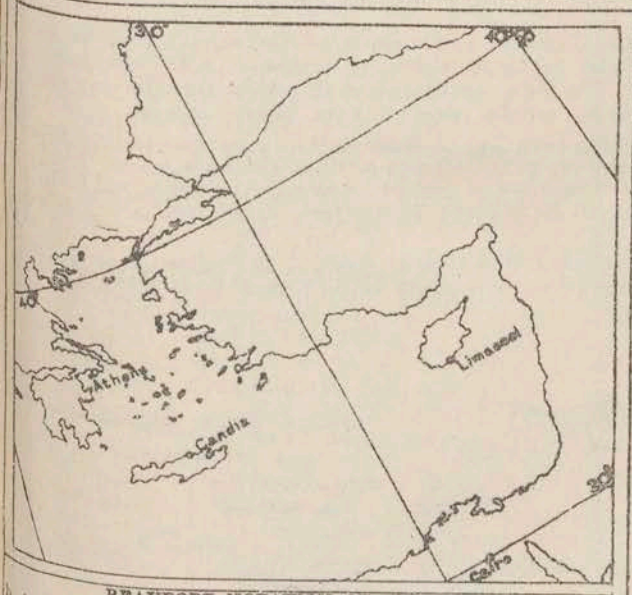

METEOROLOGICAL STATIONS.
Scale 1:2 x 10⁷
Nautical Miles
Statute Miles
Spitzbergen
Bear Island
Vardö
Mygbugten
Jan Mayn
Röst
Haparanda
Isafjord
Akureyri
Seydisfjord
Reykjavik
Vaestmanna
Thorshavn
Lerwick
Florö
Hernösand
Saarna
Helsingfors
Stockholm
Karlstad
Visby
Skudesnaes (Utsire)
Lister
Skagen
Hanstholm
Copenhagen
Bornholm
Memel
Neufahrwasser
Stornoway
Wick
Nairn
Aberdeen
Castlebay
Inchkeith
Malin Head
Glasgow
Eskmouth
Tynemouth
Donaghadee
Blaavands Huk
Hamburg
Warsaw
Posen
Berlin
Breslau
Lemberg
Blacksod Point
Spurn Head
Groningen
The Helder
Birr
Holyhead
Liverpool
Nottingham
Yarmouth
Utrecht
Cassel
Prague
Valencia
Roches Point
Rosslare
Clacton
Aachen
Flushing
Maestricht
Frankfurt
Kewo
Dungeness
Calais
Brussels
Portland Bill
Scilly
Falmouth
Le Havre
Paris
Strasbourg
Munich
Vienna
Zurich
Jersey
St. Mathieu
Rennes
Tours
Dijon
Berne
Lugano
Lyons
Geneva
Nedelec
Bordeaux
Leghorn
Rome
Toulouse
Pic du Midi
Perpignan
Toulon
Corunna
Bayonne
Sanguinaire
Taranto
Madrid
Cagliari
Palermo
Horta
P. Delgada
Lisbon
Malta
Algiers
Gibraltar
Madeira

FORECAST DISTRICTS AND BRITISH STATIONS.



STATIONS USED FOR UPPER AIR SUPPLEMENT.





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 Land Stations	Limits of Mean Velocities Statute Miles per Hour.
0	Calm	Calm ; smoke rises 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 wind	Raises dust and loose paper ; small branches are moved ..	13-18
5	Fresh wind ..	Small trees in leaf begin to sway ; crested wavelets on inland waters	19-24
6	Strong wind ..	Large branches in motion ; whistling heard in telegraph wires	25-31
7	High wind ..	Whole trees in motion ; inconvenience felt when walking against wind	32-38
8	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	.. .. ..	Very rarely experienced ; accompanied by widespread damage	64-75
12	Hurricane ..	.. ..	Above 75

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. h hail. KQ line squall.
l lightning. o overcast sky.
m mist, visibility 1000—10000 m.
f fog, " 200—1000 m.
fb thick fog " less than 200 m.
p precipitation within sight of station.
p passing showers r rain.
s snow. rs sleet. t thunder.
v unusual visibility. y dry air.
z dust haze ; the turbid atmosphere of dry weather.

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 ; i = intermittent ; - = "decreasing" ; + = "increasing" ; h(r) = "hail" or "rain and hail" ;

Capital letters indicate intense, suffix o indicates slight and repetition of letters continuity, thus :—

R = heavy rain.
rr = continuous moderate rain.
$r_o r_o$ = continuous light rain.

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 *South Cone* (point downwards) is hoisted for gales from S.E., veering to S.W., W. or N.W.
" S.W., veering to W. or N.W.
" W., veering to N.W.
" E., veering to S. or S.W.

The *North Cone* (point upwards) is hoisted for gales from S.E., E. or N.E., backing to N.
" N.W., veering to N., N.E. or E.
" N., veering to N.E. or E.
" N.E., veering to E.

The Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The Districts to which warnings are sent are shown in the British Section of the Daily Weather Report by the following symbols :—

▼ South Cone hoisted
▲ North " "

AIR MINISTRY.

METEOROLOGICAL OFFICE, LONDON.

NOTES ON THE INFORMATION CONTAINED IN THE BRITISH AND INTERNATIONAL SECTIONS OF THE DAILY WEATHER REPORT.

Heights of Stations.—The heights of British Stations above M.S.L. published in the British Section of the Daily Weather Report refer to the plot of ground on which the rain gauge is situated.

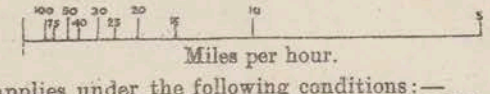
Pressure.—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on the British Section of the Report and for intervals of 4 millibars on the International Section.

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 (160 miles) in the Daily Weather Report 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 with both the International and the British Sections. If the distance between consecutive isobars is measured along the rule from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

GEOSTROPHIC WIND SCALE FOR

4 mb isobars on $1 : 2 \times 10^7$ Charts.
or 2 mb " " $1 : 10^7$ "
or 1 mb " " $1 : 5 \times 10^6$ "



Miles per hour.

This scale applies under the following conditions:—
Pressure, 1,015 mb. Temperature, 283° A=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°.

Weather.—In describing the distribution of weather over a district or during an interval of time such as a day, descriptive adjectives are used with the following meanings:—

Fine—mainly b and bc of the Beaufort notation (*see* previous page).
Fair or fair generally—mainly bc and c.
Cloudy—combinations of bc, c and o, c predominating.
Overcast—mainly c and o.
Dull—overcast with low heavy cloud.
Varying or variable cloud—combinations of b, bc, c, and o.
Precipitation when occurring is specifically mentioned.

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

Maximum and Minimum Temperatures entered in the British Section for Liverpool (Bidston) since 1st March, 1921 have been for the 22 hour period commencing at 9 a.m. the previous day.

Upper Air Temperature.—The British observations are made normally, one at 1,000 feet above the level of the aerodrome, and the remainder at *pressures* of 950, 900, 850, 800, etc., millibars. Heights are then computed and, apart from instrumental error, are correct heights: they do not require modification for differences of temperature from normal as these are allowed for in the computation. The values are shown graphically and in tabular form in the Upper Air Supplement. On the diagram, temperatures are given in degrees Fahrenheit and Absolute. The lines marked "Anti-cyclonic," "Cyclonic," "Summer," and "Winter," indicate the normal fall of temperature with pressure under the conditions indicated. The oblique line marked "Adiabatic" shows the lapse rate of temperature for dry air ascending or descending under adiabatic conditions, *i.e.*, without communication of heat from external sources. The lapse rate under these circumstances is very approximately 5·5° F. per 1,000 feet, or 10a per kilometre. A lapse rate greater than this value indicates instability of the atmosphere.

Times of Sunrise, Noon and Sunset.—In compiling the table of Greenwich times of sunrise and sunset for selected stations in the British Section of the Daily Weather Report the mean declination of the sun for noon of each day is taken. No account is taken of the variation in declination on any given day as between leap year and the three following years, the same figures being repeated from year to year without change.

Radio Disturbances (Atmospherics) at Croydon.—In the table under the above heading, information is given concerning atmospherics heard at Croydon. The term "atmospherics" is used to denote the clicks and crashes which are commonly heard in a wireless receiver, the intensity of which varies greatly at different times. Observations at Croydon are made 4 times daily at 1h., 7h., 13h. and 18h. G.M.T.

The second column indicates the type of sound heard, by the following abbreviations:—

C—Uniform clicks and normal quiet distribution.
C_1C_2—Clicks of two obviously different orders of intensity.
Cg—Clicks predominant but a few grinders.
G—Grinders predominant.
GG—Continuous grinders whose minimum direction can be found by estimation of intensity without counting.
Ck—Clicks with a few loud crashes.
CK—Clicks with numerous crashes.
KK—Very loud atmospherics.

In the third column the number of atmospherics per 4 seconds is shown. This number is obtained with the receiving coil set in a direction to give the maximum number.

Fourth Column. Strength. From January 1st, 1923, strength has been obtained from the formula $S = \frac{10}{r}$ where r is the resistance in ohms of the shunt necessary to reduce the number of atmospherics heard in the telephone to one quarter of those heard without shunt.

Fifth column. Direction. This indicates the direction from which the maximum intensity of atmospherics is proceeding. Directions are given in degrees (*see* diagram below).

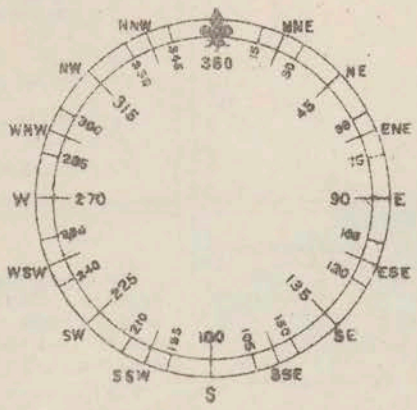
It is to be noted that there is an ambiguity of 180° in the determination of direction.

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. Wind velocities are shown on the charts of the British Section and Upper Air Supplement in m.p.h. by the numbers placed within the small circles. In the International Section velocities are not shown. In both Sections the number of feathers on the arrows denotes wind force by Beaufort number.

Upper Winds.—The direction and velocity of the wind are given in the charts of the Upper Air Supplement for heights of 1,000 feet, 3,000 feet, and 6,000 feet. The data are also given in tabular form for various heights. The reports are usually based on Pilot Balloon ascents.

Wind reports deduced from British Pilot Balloon Ascents refer to the 1,000 feet layers centering at the heights given in the table up to 16,000 feet. When winds are reported at greater heights, they refer to the 5,000 feet layers centering at 20,000 feet, 25,000 feet, 30,000 feet and 35,000 feet.

In the tabular statement direction is specified in degrees from true north measured through East 90°, South 180°, West 270° to North 360°. (*See* diagram below.)



Note.—Ships' Reports.

SEA DISTURBANCE.

0 No or slight swell.
1. Moderate swell.
2. Heavy "
3. Long low "
4. Confused "
} and { Sea smooth to moderate.

5. No or slight swell.
6. Moderate "
7. Heavy "
8. Long low "
9. Confused "
} and { Sea rough or above.

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

1922/911. W4.112. D.6565/PK 1081. 775. 4/24.

AIR MINISTRY.

SUPPLEMENT TO THE DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SELECTED STATIONS ISSUED ON THE 1st DAY OF EACH MONTH.

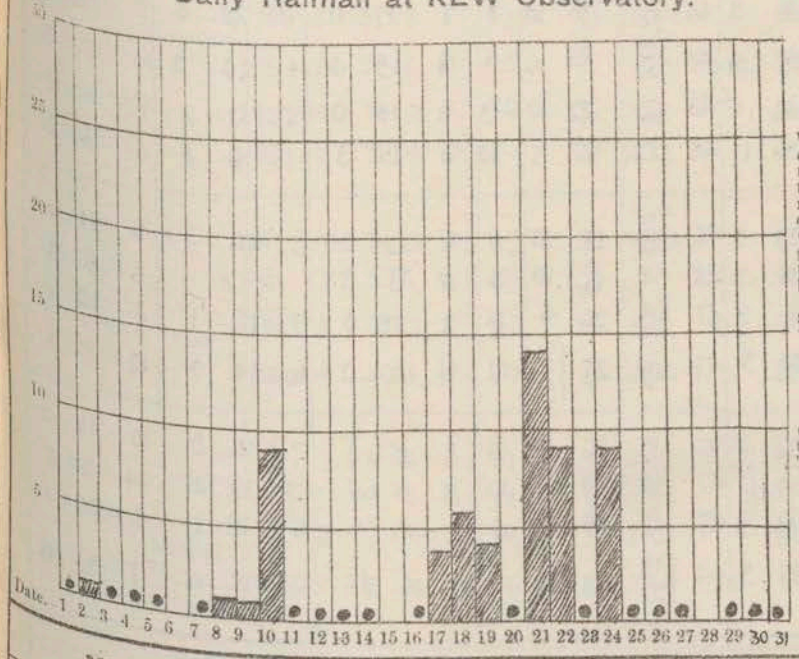
Notes on the Weather of JANUARY 1924.

The first few days of the new year were generally mild with westerly winds and some rain but on the 4th under the influence of a belt of high pressure stretching from the Bay of Biscay across England to Sweden, sharp frost occurred in the morning and much fog was experienced in various parts of the country including Ross-on-Wye where thick fog persisted all day. Depressions near Iceland caused a temporary renewal of milder conditions in the northwest but temperature remained rather low in the southeastern counties for about a week.

On the 8th a deep depression moving southeastwards over the Atlantic caused northwesterly gales of storm force some 800 miles westward of Scilly and high southeasterly winds and gales in many parts of the British Isles. Snow and sleet fell very generally on this and the two following days and lay 5-6 inches deep in several places including Hampstead. The snowfall at Ross-on-Wye on the 9th was reported to be the first since April 1922. On this date frost persisted all day in many inland districts, the maximum reading being as low as 23°F. at Leafield.

After the 10th temperature began to rise appreciably in the southeast and under the influence of a strong southwesterly current associated with a depression off the Hebrides on the 12th, readings above 50°F. were obtained in various places: Kew 52°F., Llandudno 55°F. Subsequently southerly winds and mild weather predominated with much rain at times until the last week when high pressure spread up from the South and fairer conditions obtained. Six to eight hours sunshine were recorded on several days in succession though some mist and fog were also experienced. At Kew Observatory both rain and sunshine were above the average for January.

Daily Rainfall at KEW Observatory.



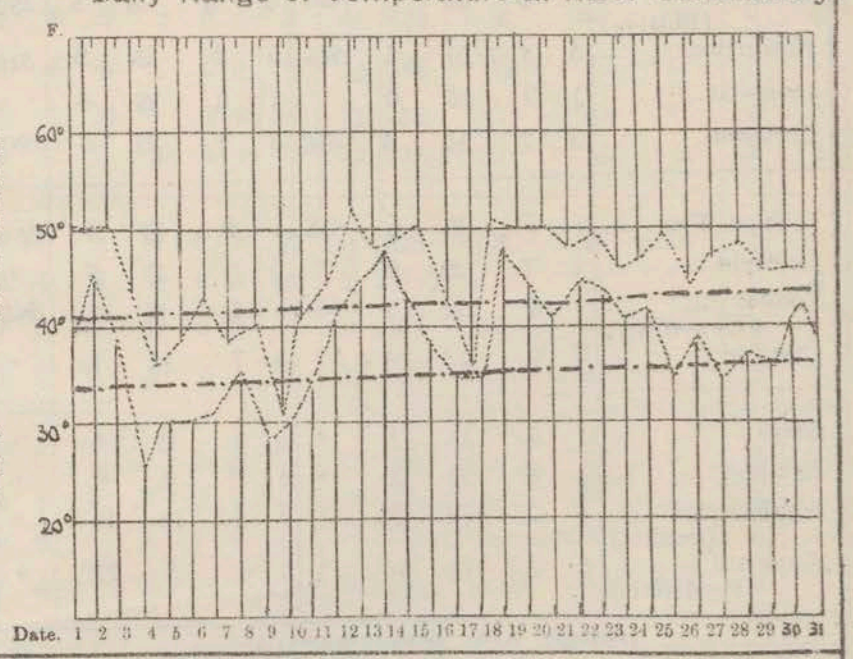
TEMPERATURE.

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.

RAINFALL.

● = less than 0·5 mm.
Total for month 61 mm.

Daily Range of Temperature at KEW Observatory.

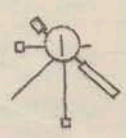
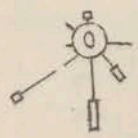
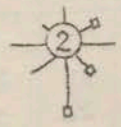


MEAN VALUES FOR THE MONTH.

	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
	mb.	mb.	°F	°F.
Aberdeen	1009.7	− 1.6	39.5	+ 1.4
Valencia	1008.1	− 6.9	46.2	+ 1.8
Kew	1014.6	− 3.0	41.6	+ 2.6

Pressure — mean for the 24 hours.
Temperature — mean of Max. and Min.

WIND FREQUENCIES AT 7h.

Aberdeen.	Valencia	Kew
		

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

H.M.S.O. Office Kingsway, W.C.2.

Pt. 1932/875. Wt. III. D.8564/P.P.1080. 860. 2/24.

SUMMARY OF RECORDS OF TEMPERATURE, SUNSHINE,

Equivalents of Temperature. A°.	F°.
263·6	15
268·0	23
268·6	24
273·0	32
273·6	33
278·0	41
278·6	42
283·0	50

	Temperature. Number of daily readings within fixed limits. † Maximum. 32 or below.	33 — 41	42 — 50	51 — 59.	Normal Max.	† Minimum. 23 or below.	24 — 32	33 — 41	42 — 50	Normal Min.	Extremes—Warmest and Coldest. Days. Highest Max.	Date.	Lowest Max.	Date.	Nights. Highest Min.	Date.	Lowest Min.	Date.	Number of Ground Frosts.	Low Cloud. Number of observations within fixed limits. 7H. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	13H. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.	18H. Below 1,000 ft.	1,000–5,000 ft.	5,000–8,000 ft.
					°F.					°F.	°F.		°F.		°F.		°F.											
Stornoway ...	1	5	23	2	43·7	1	5	14	11	34·9	51	25, 26	32	9	47	6	22	11	*	17	9	0	23	6	0	23	6	0
Aberdeen ...	1	9	18	3	42·3	0	9	16	6	33·2	54	30	31	9	43	6, 23, 26	24	11	12	1	21	2	1	24	2	0	25	3
Edinburgh ... (Inchkeith)	1	11	19	0	*	0	7	19	5	*	50	13, 22	32	9	44	26	24	10	*	*	*	*	*	*	*	*	*	*
Renfrew	2	7	22	0	*	2	7	15	7	*	50*	25, 29	29	9	45	2, 30	20†	11	12	1	25	1	5	25	1	2	26	0
Eskdalemuir ...	?3	?14	13	1	*	3	10	18	0	*	52	1	?26	9	41	2, 22, 30	17	10, 11	12	7	22	0	14	13	0	9	19	0
Dublin ... ... (Phœnix Park)	0	1	21	9	45·7	0	9	13	9	34·6	59	21	38	9	46	1	24	14	8	*	*	*	*	*	*	*	*	*
Birr Castle ...	0	5	21	5	45·2	0	4	10	17	34·3	54	21	35	9	47	1, 4, 16	30	11, 14	11	0	31	0	1	30	0	2	29	0
Valencia ... ... (Cahirciveen)	0	0	21	10	48·5	0	0	11	20	40·2	56	21	42	10	49	4	35	13	2	7	23	0	4	27	0	7	23	0
Tynemouth	0	11	20	0	43·5	0	8	19	4	33·6	50	1, 29	33	9	45	26	28	4	7	17	8	0	12	13	0	11	12	0
Holyhead ...	0	3	28	0	45·2	0	1	12	18	38·4	50	15	34	9	48	1	29	10	1	7	20	2	9	20	1	6	18	4
Liverpool ... (Bidston)	1	6	23	1	43·3	0	5	21	5	35·3	51	13	31	9	44	1, 2	26	10	8	1	27	0	0	29	0	2	25	0
Nottingham ...	3	8	20	0	42·6	0	9	13	9	32·6	50	1	30	9	45	19, 22	25	10	11	8	19	0	1	20	0	1	17	0
Cranwell	2	9	20	0	*	1	11	15	4	*	50	12	30	17	43	22	22	10	13	9	18	0	8	12	2	12	9	3
Gorleston ...	2	9	20	0	41·8	0	7	21	3	33·7	50	12	30	17	45	19	27	5	10	0	19	3	1	16	5	0	16	2
Ross-on-Wye ...	1	5	19	6	43·8	1	5	17	8	33·2	53	1	29	9	46	13, 22	15	10	11	6	22	0	3	20	3	6	21	0
Leafield	1	7	23	0	*	2	7	17	5	*	49	12, 18, 20	28	9	48	14	18	10	*	5	13	5	*	*	*	8	9	3
London ... ... (Kew Obsy.)	1	6	22	2	43·1	0	6	15	10	34·6	52	12	31	9	47	14, 19	26	4	13	2	28	0	3	16	1	3	16	2
Croydon	1	6	23	1	*	0	7	14	10	*	51	12	30	9	47	19	27	4, 5, 9	12	14	10	0	10	14	0	12	9	1
Grain	1	6	23	1	*	0	8	19	4	*	52	12	32	9	46	19	26	4	10	8	15	0	7	16	0	10	10	0
Lympne	0	8	23	0	*	0	7	16	8	*	50	12	34	5, 9	45	19	24	5	10	15	11	0	12	13	0	14	11	0
Southampton ... (Calshot)	1	2	28	0	*	0	3	14	14	*	50	1, 12, 13, 18, 20	32	9	47	19	29	10	4	2	19	4	6	18	2	3	20	1
Falmouth ... (Pendennis)	0	1	19	11	*	0	0	9	22	*	53	13	38	9	49	13, 22	33	10	*	0	16	14	0	15	15	?1	20	10

UPPER AIR TEMPERATURE.

Pressure.	Normal Height.	Normal Temperature	Leuchars. Mean.	No. of Reports.	S. Farnborough Mean.	No. of Reports.	Andover. Mean.	No. of Reports.
mb.	feet.	°F.	°F.		°F.		°F.	
950	1800	33	36	6	36	7	36	2
850	4690	26	29	7	28	7	30	2
750	7910	18	18	5	17	5	19	2
650	11,510	7	-	0	8	4	9	2
550	15,620	-6	-	0	-7	1	-	0

UPPER WINDS.

(No. of records of Velocity (m.p.h.) within fixed limits.)

Station. Height. Feet.	Renfrew. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	Cattewater. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–75 m.p.h.	Above 75 m.p.h.	Lympne. No. of Obs.	Under 10 m.p.h.	10–25 m.p.h.	26–45 m.p.h.	46–7 m.p.h.	Above 75 m.p.h.
2,000	4	-	3	-	1	-	15	2	12	1	-	-	38	2	15	20	1	-
5,000	-	-	-	-	-	-	5	2	3	-	-	-	9	-	5	3	1	-
10,000	-	-	-	-	-	-	2	-	2	-	-	-	2	-	2	-	-	-
15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

† Since March 1st. 1921, the readings used have (except in the case of Phœnix Park & Bidston) been the maximum for the period 7h.–18h., and the minimum for the period 18h.–7h. Previously the period was 7h.–7h. The normal values given above are based upon extremes taken over the 24 hours.

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

* Temperature rose to 51° during the night of 25th–26th
† " fell to 18° after 7h. on the 11th.

RAINFALL, HUMIDITY AND LOW CLOUD, ...JANUARY....., 1924.

Equivalents of Temperature.

A°.	F°.
283·6	51
288·0	59
288·6	60
293·0	68
293·6	69
298·0	77
298·6	78
303·0	86

	Sunshine. Number of Days with duration. Nil.	0·1—3h.	3·1—6h.	6·1—9h.	Above 9h.	Maximum Duration. Hours.	Date.	Total for past 12 months.	Difference from average.	Total for Month.	Difference from average.	Rainfall. Number of days with amount. 0, trace or 0·1 mm.	0·2—1 mm.	1·1—5 mm.	5·1—15 mm.	15·1—25 mm.	Above 25 mm.	Maximum fall in 24 hrs. mm.	Date.	Total for past 12 months.	Difference from Average.	Total for Month*	Difference from Average.	Days with Thunder.	Days with Snow or Sleet.
								hours.	hours.	hours.	hours.									mm.	mm.	mm.	mm.		
Stornoway ...	20	10	1	0	0	4·5	17	1166	-93	21	-7	4	7	12	6	2	0	21	12	1357	+91	116	-15	0	1
Aberdeen ...	17	8	6	0	0	5·5	3	1229	-158	32	-16	15	6	7	3	0	0	11	13	940	+192	53	-2	0	3
Edinburgh ... (Inchkeith)	10	12	?8	1	0	?6·1	27	?1362	*	?45	*	14	10	3	4	0	0	9	12, 22	539	*	49	*	0	8
Renfrew	17	12	2	0	0	3·8	3, 20	1120	*	22	*	11	4	6	8	2	0	17	13	1060	*	117	*	0	6
Eskdalemuir ...	17	11	3	0	0	5·4	9	1102	*	23	*	6	8	6	8	2	1	33	13	1778	*	175	*	0	4
Dublin ... ... (Phœnix Park)	14	13	3	1	0	6·8	27	1404	-103	32	-25	7	8	10	5	0	1	27	12	809	+104	89	+31	0	6
Birr Castle ...	13	16	2	0	0	5·3	27	*	*	29	-20	4	10	11	5	1	0	16	12	978	+149	101	+29	0	6
Valencia ... ... (Cahirciveen)	12	14	5	0	0	6·0	7	1280	-165	43	-5	3	5	12	8	3	0	21	14	1614	+200	166	+27	0	1
Tynemouth ...	*	*	*	*	*	*	*	*	*	*	*	18	5	6	2	0	0	13	22	642	+21	46	+5	0	5
Holyhead ...	14	13	3	1	0	6·3	27	1520	*	38	*	6	6	11	6	2	0	18	12	999	+111	122	+48	0	2
Liverpool ... (Bidston)	15	8	5	3	0	7·2	23, 27	1384	*	54	*	12	8	9	2	0	0	11	21	800	+91	46	-8	0	4
Nottingham ...	15	13	3	0	0	4·9	27	1051	-274	36	+2	17	4	5	5	0	0	10	22	648	+76	52	+6	0	5
Cranwell	12	10	7	2	0	7·0	27	1531	*	64	*	16	4	10	1	0	0	14	22	638	*	45	*	0	5
Gorleston ...	18	2	7	4	0	7·0	27	1652	*	64	*	15	6	7	3	0	0	11	22	634	+12	56	+12	0	3
Ross-on-Wye ...	11	10	8	2	0	7·7	25	1453	*	63	*	10	7	8	5	0	1	27	11	825	+107	98	+36	0	2
Leafield	13	9	5	4	0	8·1	25, 27	*	*	61	*	14	4	7	6	0	0	15	21	*	*	81	*	0	4
London ... ... (Kew Obsy.)	15	5	9	2	0	6·3	25	1433	-42	54	+11	19	3	4	5	0	0	14	21	666	+60	61	+16	0	3
Croydon	15	4	8	4	0	6·7	6	1522	*	65	*	14	8	4	5	0	0	11	24	770	*	63	*	1	3
Grain	12	7	6	6	0	7·1	27	1615	*	70	*	13	8	7	3	0	0	13	21	540	*	52	*	0	1
Lympne	16	5	4	6	0	7·2	6	1734	*	68	*	13	6	6	6	0	0	11	18	770	*	65	*	0	2
Southampton ... (Calshot)	12	8	7	4	0	7·6	25	1708	*	69	*	16	4	6	5	0	0	12	18	682	*	60	*	0	1
Falmouth ... Observatory	16	5	6	4	0	7·6	27	1739	-20	59	+1	7	4	8	11	1	0	24	8	1212	+105	143	+36	0	0

MINIMUM SURFACE HUMIDITY.

No. of Days with Minima between Fixed Limits.

Station.	95–100 %.	90–94 %.	80–89 %.	70–79 %.	60–69 %.	50–59 %.	40–49 %.	30–39 %.	20–29 %.
Aberdeen ...	1	1	8	11	8	2	0	0	0
Renfrew... ...	0	2	10	12	6	1	0	0	0
Eskdalemuir ...	3	2	13	12	1	0	0	0	0
Valencia... ...	0	1	5	16	5	4	0	0	0
Ross on Wye ...	1	2	7	9	6	3	3	0	0
London ... ... (Kew Obsy.)...	0	2	9	9	10	1	0	0	0
Falmouth ...	3	5	9	12	2	0	0	0	0

STATE OF GROUND AT 13 h.

No. of Days each type was recorded.

Station.	0	1	2	3	4	5	6	7	8	9
Aberdeen ...	0	15	11	2	0	0	0	3	0	0
Renfrew... ...	0	5	19	2	0	0	0	1	4	0
Eskdalemuir ...	0	15	11	1	1	0	0	3	0	0
Valencia ...	0	15	16	0	0	0	0	0	0	0
Ross on Wye ...	5	10	13	0	0	0	0	3	0	0
London ... ... (Kew Obsy.)	0	20	6	2	0	0	0	3	0	0
Falmouth ...	3	13	?15	0	0	0	0	0	0	0

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer.
9=Glazed roads (ice on roads from frozen rain or melted snow).

NOTES ON CHART OF ISOPLETHS (p. 4).

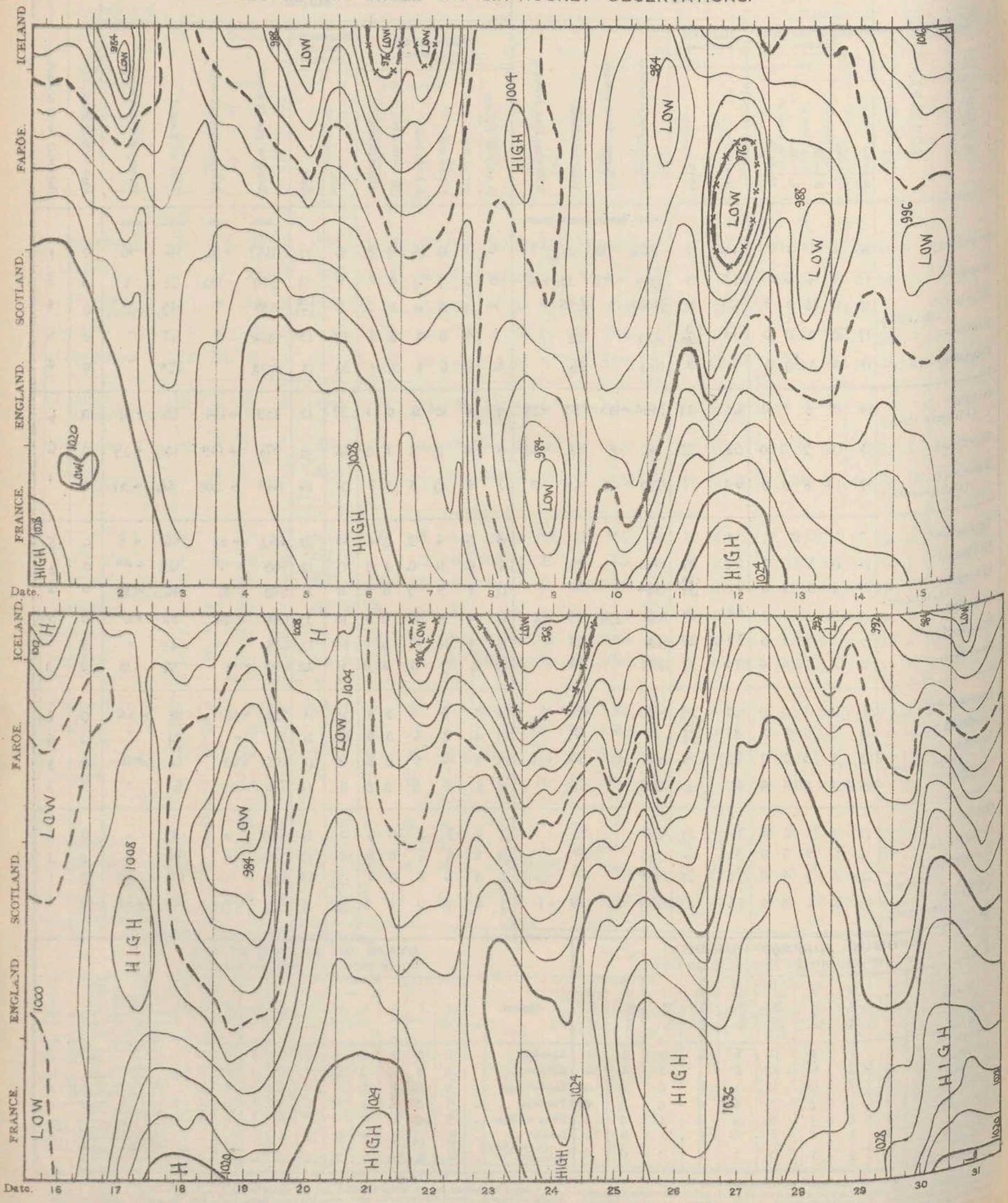
The diagram is obtained by drawing a line from Akureyri in Iceland to the South of France, near Marseilles. The points at which the isobars drawn for 4 mb pressure intervals intersect this line at 1h., 7h., 13h. and 18h. are plotted consecutively and joined to shew the variation of pressure from day 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.

* Based in part on reports made by telegraph in which the daily falls are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0·1 mm.

G. C. SIMPSON, F.R.S. *Director.*

PRESSURE: ICELAND TO GULF OF LIONS JANUARY 1924.

ISOPLETHS* BASED ON SIX-HOURLY OBSERVATIONS.



For explanation see page 3. ——— = 1,020 mb. — — — = 1,000 mb. ×—×—×—× = 980 mb. o—o—o = 960 mb.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,685 Tuesday 1st January 1924

Observations at 1300 G.M.T. 31st Dec.

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1015·2	0	W'S	1	o/r	44	97	6	2500	St	3	ASt	9	•
Stornoway	1014·9	-3	SW	3	odod₀	49	97	6	450	St	10	–	10	•
Wick	1015·8	-3	SW	2	or₀r₀	42	97	6	800	St	10	–	10	•
Castlebay	1017·7	-1	SW	5	orr	50	97	6	800	Nb	10	–	10	•
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Aberdeen	1018·9	-2	–	0	or₀r₀	40	97	2	1500	Nb	10	–	10	2
Malin Head	1021·1	-1	WSW	5	mmo	48	97	5	4000	Nb	10	–	10	•
Renfrew	1021·1	-4	W	2	or₀r₀	41	97	5	1500	Nb	10	–	10	7
Edinburgh (Inchkeith)	1020·5	-3	WSW	2	or₀r₀	40	97	3	*	Nb	10	–	10	•
Leuchars	1019·6	-3	WSW	3	orr	39	97	6	800	Nb	10	–	10	2
Eskdalemuir	1022·7	-3	SW	2	orr	36	97	5	450	Nb	10	–	10	7
Tynemouth	1022·0	-2	SW	1	or₀	40	97	5	800	Nb	10	–	10	•
Blacksod Point	1024·7	0	W'N	4	o	49	97	6	*	*	*	*	10	•
Donaghadee	1021·7	-3	SW'W	2	orr	46	92	7	800	St	10	–	10	•
Birr Castle	1027·4	*	SW	1	o	49	97	6	4000	Nb	10	–	10	•
Holyhead	1025·8	-2	SW'S	3	or₀+	46	97	6	2500	Nb	10	–	10	2
Liverpool (Bidston)	1025·0	-1	W'S	3	o	43	97	4	1500	Nb	10	–	10	•
Chester (Shotwick)	1025·8	+0	WNW	3	or₀r₀	46	85	7	1500	Nb	6	ASt	10	2
Spurn Head	1025·0	-4	SSW	4	o	33	97	5	800	St	10	–	10	•
Birmingham (Edgbaston)	1026·0	-1	WSW	2	odd₀	43	97	3	1500	Nb	10	–	10	2
Nottingham	1025·3	-2	SW	2	of+	38	97	2	800	St	10	–	10	•
Cranwell	1025·9	-1	SSW	2	mmo	34	97	5	800	St	10	–	10	2
Gorleston	1026·9	0	SSW	3	o+	33	85	6	5700	StCu	10	–	10	•
Valencia (Cahirciveen)	1030·2	0	SSW	2	o	52	97	6	450	St	10	–	10	1
Roches Point	1028·9	-1	SSE	1	o	49	92	8	2500	St	3	ACu	10	•
Pembroke (St. Ann's H.)	1028·5	0	SW	3	o	47	92	8	–	–	0	ASt	10	•
Ross-on-Wye	1026·6	0	W	2	or₀r₀	46	85	8	2500	Nb	10	–	10	1
Leafield	1026·7	-2	WSW	2	mmo	40	97	4	220	St	10	–	10	*
Andover	1027·6	0	SSW	1	od	39	97	4	800	St	10	–	10	2
S. Farnborough	1027·8	-1	SW	2	od₀	36	75	5	800	Nb	10	–	10	2
London (Kew Obsy.)	1027·5	-2	S	2	od₀	37	85	5	1500	Nb	10	–	10	2
Croydon	1027·5	-0	SSW	3	o	34	92	5	800	St	10	–	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	•
Shoeburyness	1027·8	0	SSW	3	om+	34	75	4	4000	St	7	ASt	10	•
Grain	1028·6	0	SW	3	o+	34	75	6	4000	St	10	–	10	2
Lympne	1025·1	0	SW	2	o	34	85	6	2500	StCu	6	ASt	10	2
Scilly (St. Mary's)	1030·6	+2	NW	2	c	50	92	6	4000	StCu	8	–	8	•
Falmouth (Pendennis)	1029·6	0	NW	2	bc	49	75	8	5700	Cu	5	–	5	•
Plymouth (Cattewater)	1029·1	+1	NW	1	c+	50	85	7	2500	StCu	7	–	7	0
Portland Bill	1027·7	+2	NW	1	o	46	92	7	4000	StCu	10	–	10	•
Southampton (Calshot)	1028·1	+0	ESE	2	om+	40	92	7	800	St	10	–	10	2
Dungeness	1028·0	+2	SW	2	c+	35	85	7	4000	?	7	–	7	•
Guernsey	1028·6	0	NNW	3	o	47	92	8	4800	StCu	9	–	9	•

Observations at 1800 G.M.T. 31st Dec.

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1014·1	-2	S	1	ododo	44	97	6	4000	Nb	10	–	10	0
Stornoway	1016·4	+2	SW	3	or₀r₀	50	97	6	450	St.	10	–	10	2
Wick	1014·5	0	SW	2	or₀r₀	44	97	7	800	St.	10	–	10	0
Castlebay	1020·0	+2	W	4	mmo	50	97	6	800	Nb	10	–	10	4
Nairn	1015·9	*	–	0	c/r	47	85	8	1500	St	8	–	8	•
Aberdeen	1017·4	0	–	0	or₀	41	97	5	1500	Nb	10	–	10	0
Malin Head	1023·0	+2	WSW	4	mmd	48	97	4	4000	Nb	10	–	10	4
Renfrew	1019·9	-1	–	0	o/r	41	97	6	2500	StCu	10	–	10	•
Edinburgh (Inchkeith)	1018·1	-2	W	3	or	41	97	4	*	Nb	10	–	10	1
Leuchars	1017·8	0	–	0	orr	40	97	6	450	Nb	10	–	10	•
Eskdalemuir	1020·8	-2	S'W	2	ododo	36	97	5	225	Nb	10	–	10	•
Tynemouth	1020·1	-2	SW	1	o/r	41	92	5	600	Nb	10	–	10	2
Blacksod Point	1026·6	+1	NW	4	mo+	49	97	6	*	*	*	*	10	5
Donaghadee	1022·2	+1	SW	1	od₀	50	97	7	450	St	10	–	10	2
Birr Castle	1027·5	*	SW	2	od₀+	50	97	6	4000	Nb	10	–	10	•
Holyhead	1023·9	-1	W'N	4	or₀r₀	49	97	7	800	Nb	10	–	10	3
Liverpool (Bidston)	1023·5	-1	SW	2	or₀r₀	45	97	6	1500	Nb	10	–	10	3
Chester (Shotwick)	1023·8	-1	S	2	or₀	45	97	3	800	Nb	10	–	10	•
Spurn Head	1023·1	-1	WSW	2	fo+	37	97	1	450	St	10	–	10	2
Birmingham (Edgbaston)	1025·0	-1	WSW	2	or₀r₀	43	97	4	1500	Nb	10	–	10	•
Nottingham	1023·7	-1	WSW	3	o/r	43	97	4	1500	St	10	–	10	•
Cranwell	1024·3	-1	W'S	3	od₀d	41	97	3	450	Nb	10	–	10	•
Gorleston	1024·8	-2	SSW	3	od₀d₀	32	97	5	1500	St	10	–	10	1
Valencia (Cahirciveen)	1031·1	+2	WSW	2	odd	50	97	6	225	St	10	–	10	–
Roches Point	1028·7	0	NNW	1	o+	49	97	8	–	–	0	ASt	9	0
Pembroke (St. Ann's H.)	1027·0	-1	WSW	3	bc-	48	92	7	1500	St	5	–	5	3
Ross-on-Wye	1025·4	0	SW	2	oR-	44	97	6	1500	Nb	10	–	10	•
Leafield	1026·0	-2	W	2	or₀r₀	43	97	4	800	St	10	–	10	•
Andover	1026·3	-1	W'N	4	orr	43	97	5	800	Nb	10	–	10	*
S. Farnborough	1026·4	-1	W	1	or₀	40	97	6	1500	Nb	10	–	10	•
London (Kew Obsy.)	1026·2	-1	SW'S	1	or₀r₀	39	97	3	1500	Nb	10	–	10	•
Croydon	1026·3	-1	WSW	3	or₀r₀	40	97	4	450	Nb	10	–	10	•
Clacton-on-Sea	1025·3	-2	SSW	3	od₀	35	97	6	1500	St	10	–	10	1
Shoeburyness	1025·4	-3	SW	1	od₀d₀	35	85	4	800	St	10	–	10	•
Grain	1026·2	-3	SW'W	3	or₀r₀	36	97	5	800	Nb	10	–	10	0
Lympne	1026·0	-2	SW'W	3	odd	36	97	2	<150	Nb	10	–	10	
Scilly (St. Mary's)	1030·3	0	W'N	4	o	49	97	7	4000	StCu	10	–	10	4
Falmouth (Pendennis)	1028·7	-1	W	3	c+	47	92	7	5700	StCu	7	–	7	0
Plymouth (Cattewater)	1028·8	0	WSW	1	or₀	47	92	8	1500	St	10	–	10	0
Portland Bill	1027·0	0	W	1	orr	47	92	7	2500	Nb	10	–	10	1
Southampton (Calshot)	1027·1	0	WSW	2	orr	43	97	6	800	Nb	10	–	10	0
Dungeness	1026·3	-2	SW	3	od₀d₀	40	97	5	1500	St	10	–	10	3
Guernsey	1028·7	0	W	2	bcd₀d₀	47	92	5	1500	Nb	4	–	4	0

LONDON OBSERVATIONS.	Heights above M.S.L. in feet.	Weather Morning (24 hours ended 0900 G.M.T. 1st.)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	om	omfdor	ofroomr	*	*	38	1	3	0·0	*	*	7
Croydon } 24 hours ended 0700	244	om	om'fd₀G	orrm	*	*	39	0·3	3	0·0	*	*	4
Greenwich (Royal Obsy.)	149	o	od	ord	49	34	35	0·5	3	0·1	96	94	2
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0·0	*	*	•
Westminster (St. James' Pk.)	27	*	*	*	49	35	34	2·9		0·0	95	93	•
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	0·0	*	*	•
Camden Square	110	of	fdr	*	49	34	33	0·5	3	*	*	98	•
Kensington Palace	80	fmr	bdr	*	39	39	38	0·4	3	*	At 18h	100	•
Hampstead Observatory	450	*	*	*	47	32	30	1	3		100	98	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 31st Dec.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from Dec. 31st 17 h. 00 m. to Jan. 1st 07 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14·00	0·00	–
δ Ursae Minoris	14·00	0·00	–

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Snow lying today in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C₁C₂	86	–	100°
18h.	C	56	–	103°
01h.	C	6	–	120°
07h.	C	5	–	125°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

1st–2nd January, 1924

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·6 8·6	11·57 11·57	3·48 3·48
Greenwich	8·8 8·8	12·4 12·4	4·0 4·0
Wick	9·5 9·5	12·16 12·16	3·27 3·28
Valencia	8·51 8·51	12·45 12·45	4·38 4·39

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog. " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/or = fair weather after rain. – = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

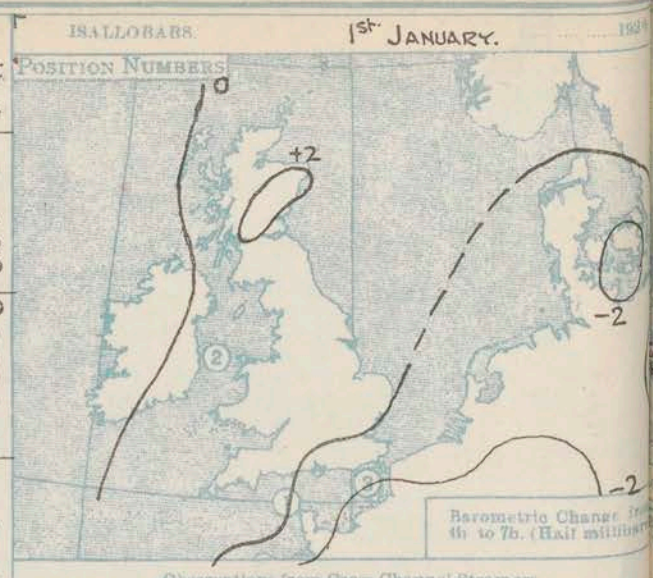
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1–3
2	4–7
3	8–12
4	13–18
5	19–24
6	25–31
7	32–38
8	39–46
9	47–54
10	55–63
11	64–75
12	Above 75

SEA DISTURBANCE.
0=no swell }
1=mod. swell } Calm or slight sea.
2=heavy swell }
3=no swell }
4=mod. swell } Moderate sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 31st.	WEATHER. 13h.-18h. 31st.	WEATHER. 18h. 31st. to 1h. 1st.	WEATHER. 1h.-7h. 1st.	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 31st. Hours.
Lerwick	omd	omd	omd	omr	45	43	•	0·3	5	∠0800	<2100	0·0
Stornoway	d	r	r-d	r-d	50	46	•	7	1	∠0800	-	0·0
Wick	rorom	omrr	ororₒ	oprₒc	44	44	•	5	3	∠0800	2200	•
Castlebay	rr	rrof	odff	dfdₒ	50	47	•	12	0·3	-	2200	0·0
Nairn	rorₒc	cprg	odc	dd	47	46	•	4	-	∠0800	-	0·0
Aberdeen	ifror	ifofm	irₒom	om	41	40	40	1	0·5	1100	<2100	0·0
Malin Head	omdd	DDffo	Ddffo	Ddcfo	48	45	•	3	0·5	∠0800	<2100	0·0
Renfrew	ofmrr	omfrₒo	om	om	42	41 ~~40~~	39	7	0·21	∠0800	-	0·0
Edinburgh (Inchkeith)	mff	ff	m	b	41	41	•	5	1	∠0800	<2100	0·0
Leuchars	orrin	orₒm	oropₒo	ocbcb	41	39	38	4	0·6	0900	<2100	0·0
Eskdalemuir	orrm	orodm	odorm	opcbc	38	35	35	8	1	∠0800	<2100	0·0
Tynemouth	om	omd	rₒm	om	43	40	39	0·2	0·1	1100	<2100	•
Blacksod Point	f-m	f-m	f-m	r-d	49	44	•	0.4	1	-	-	•
Donaghadee	omr	omr	bcq	od	50	49	•	12	0·3	0900	<2100	•
Birr Castle	oc	ododₒ	CORbc	co	50	47	45	0·2	0·2	1430	<2100	0·0
Holyhead	corₒm	orₒrₒ	oirₒo	oo	49	48	47	4	0·1	∠0800	<2100	0·0
Liverpool (Bidston)	fodrm	or		or	47	44	41	11	6	∠0800	<2100	0·0
Chester (Shotwick)	orₒmirₒ	orrff	orrm	oopₒq	46	44	43	11	6	∠0800	<2100	0·0
Spurn Head	s(rs)	omdfo	OFFdRR	ffod	37	34	•	2	5	∠0800	<2100	0·0
Birmingham (Edgbaston)	ododₒ	~~orr~~ odrrₒ	orₒdₒ	odₒdₒ	44	42	41	4	1	∠0800	<2100	0·0
Nottingham	idₒ	dodₒ	or	p	43	42	41	0·3	1	0900	2200	0·0
Cranwell	omidₒ	omfir	frd	dd	41	40	35	1	3	1100	<2100	0·0
Gorleston	bcxco	omd	off	Ffdₒ	33	31	30	trace	2	1630	01·30	0·0
Valencia (Cahirciveen)	odm	odm	om	odo	52	47	41	0·2	0·5	1230	<2100	0·0
Roches Point	co	obco	oc	oc	52	48	•	-	-	-	-	
Pembroke (St. Ann's H.)	c	c	oo	oo	49	47	•	-	-	-	-	0·0
Ross-on-Wye	ocorₒ	rₒrₒrR	roid	oo	48	43	42	8	3	1230	<2100	0·1
Leafield	off	roro	dodo	dodo	43	41	39	3	2	1430	<2100	0·0
Andover	omodₒ	odrm	orrmo	ooddm	43	42	40	1	2	1100	<2100	0·0
S. Farnborough	omdom	odmrm	rₒrₒm	rₒrₒm	40	40	39	1	1	∠0800	<2100	0·0
London (Kew Obsy.)	om	omfdor	ofrₒomd	omrorr	40	39	38	1	3	1230	<2100	0·0
Croydon	om	omfdₒrd	orrm	~~omr~~ omrddₒ	40	40	39	0·3	3	1330	<2100	0·0
Clacton-on-Sea	bbcco	ogmd	ogmfr	odfdm	35	35	34	0·1	3	1630	-	0·3
Shoeburyness	bbccom	omdₒdm	ododf	ododm	35	34	35	1	4	1630	<2100	0·9
Grain	bmxo	odorm	oirom	orrom	36	35	35	0·1	5	1630	2200	0·6
Lympne	cmx	omdodₒ	c	ofdorₒ	36	35	34	0·4	4	1530	<2100	0·4
Scilly (St. Mary's)	cm	co	of	omd	50	46	•	-	1	-	01·30	0·3
Falmouth (Pendennis)	bbc	bccoc	codco	comd	51	46	•	-	-	-	-	3·1
Plymouth (Cattewater)	bcc	cor	or	or	50	47	40	trace	Trace	1730	<2100	2·7
Portland Bill	c	r-d	r-d	r-d	48	45	•	1	3	1530	<2100	•
Southampton (Calshot)	omorm	orrr	orrodm	oddm	-	43	43	1	2	1630	<2100	0·0
Dungeness	c	comdd	omr	mdd	40	40	•	trace	3	1730	<2100	•
Guernsey	cbcbbc	ocbcb	ododm	omm	49	46	•	trace	1	1730	<2100	•



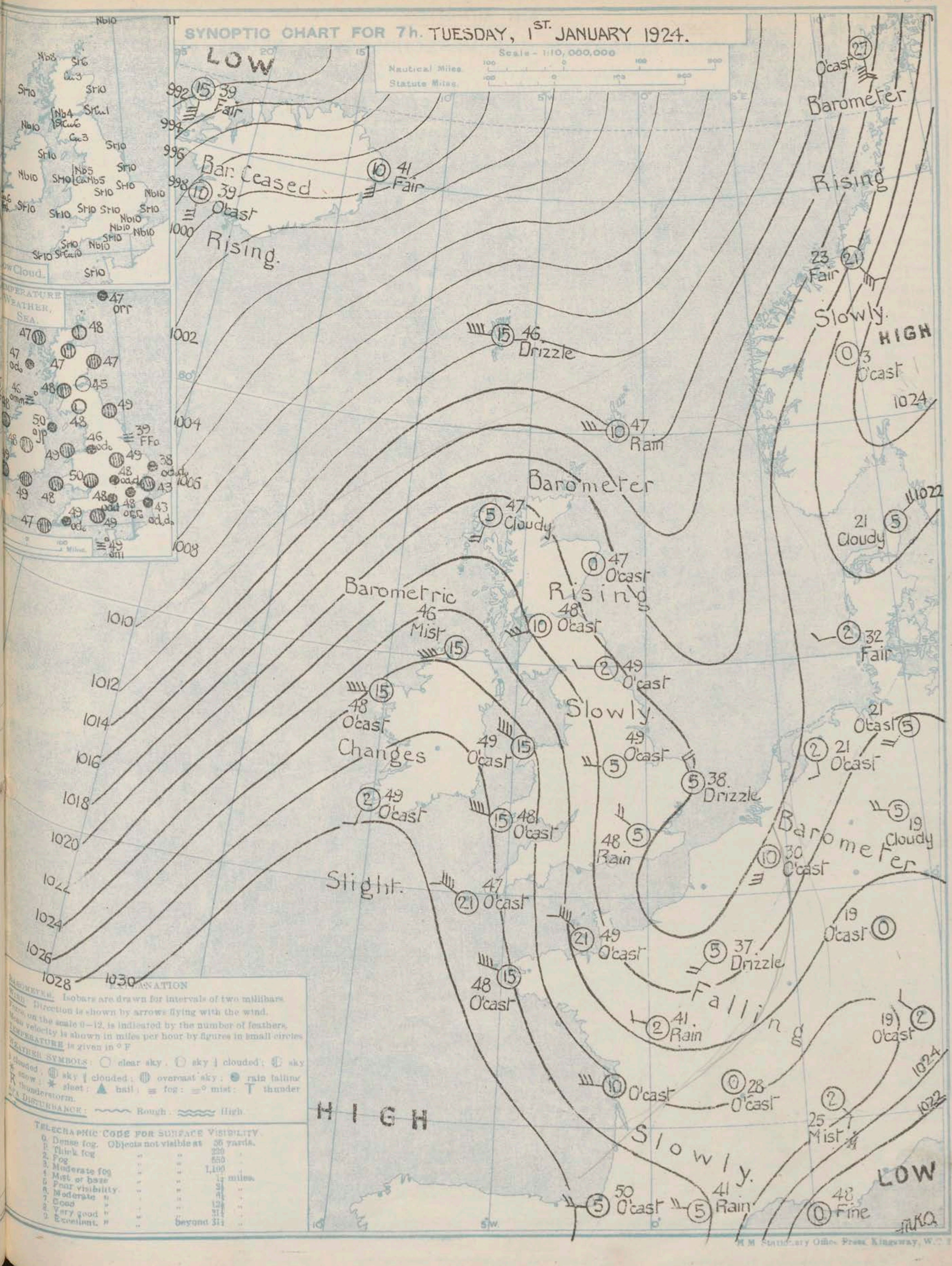
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	31st. 1900	"Hibernia"	W	4	oc	46	48
3	1st. 0100	"Brighton"	WNW	4	rr	47	48

GENERAL INFERENCE.

Depressions out on the Atlantic will cause winds to back generally to southwest and to be strong at times, perhaps reaching gale force on the Northwest Coasts. Weather will be mild and cloudy with occasional rain or drizzle.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 1st January, 1924.	Further Outlook.
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 9. N. Midlands 10. N.E. England	Light or moderate N.W. or W. wind, backing SW. and freshening; a good deal of cloud, occasional rain or drizzle; misty at times; mild.	Unsettled.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind becoming fresh or strong, southwesterly; a good deal of cloud, occasional rain or drizzle; misty at times; mild.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind southwesterly, becoming strong to a gale; much cloud, some rain; visibility poor at times; mild.	
19. S.E. Ireland 20. S.W. Ireland	As 11 - 13.	



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday, 1st January 1924. No. 1

Observations at 0100 G.M.T. 1st

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	10143	0	–	0	orrg	45	97	6	4000	Nb	10	–	10
Stornoway	51	10182	+	–	0	dod	*	*	4	*	*	*	*	*
Wick	81	10160	+1	NW	3	crrg	48	97	7	800	St	7	–	7
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	10248	+1	W	4	mmo	48	97	4	4000	Nb	10	–	10
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	10196	+1	W	4	o/p	47	97	7	*	CuNb	2	ASt	9
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	10184	0	SW	1	or	47	92	6	800	Nb	10	–	10
Blacksod Point	10	10234	0	W'N	4	imo	47	97	6	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	28	10245	0	W'N	6	0	48	97	8	1500	St	10	–	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	10203	–1	W	2	FFo	39	97	0	<150	St	10	–	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	257	10208	–3	W	3	ffo	44	97	2	450	Nb	10	–	10
Gorleston	18	10211	–2	SW'W	2	fo	37	97	3	1500	St	10	–	10
Valencia (Cahirciveen)	30	10312	0	WSW	2	mo+	48	97	5	–	St	10	–	10
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	10269	–1	NW'N	4	0	49	92	8	1500	St	10	–	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	250	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	44	*	*	*	*	*	*	*
Croydon	244	10224	–4	NSW	3	orr	43	97	5	800	St	10	–	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	10211	–3	W'S	2	orro	39	97	2	<150	Nb	10	–	10
Scilly (St. Mary's)	131	10302	0	WNW	5	ffo	48	97	3	1500	St	10	–	10
Falmouth (Pendennis)	200	10277	–1	NW	4	0	50	92	7	4000	StCu	10	–	10
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	10239	–4	WNW	2	or	49	92	7	2500	Nb	10	–	10
Southampton (Calshot)	12	10233	–3	W	2	odd	45	97	6	450	Nb	10	–	10
Dungeness	21	10225	–3	W	3	mo+	42	92	5	4000	Nb	10	–	10
Guernsey														

Observations at 0700 G.M.T. 1st

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea
Lerwick	10140	0	W	3	orr	47	97	6	4000	Nb	10	–	10	2
Stornoway	10202	0	SSW	2	c/r	47	97	7	800	Nb	8	–	8	1
Wick	10170	+1	WNW	3	bc/r	48	97	8	800	St	6	–	6	0
Castlebay	10226	0	W	3	odo	47	97	7	1500	St	10	–	10	4
Nairn	10205	*	W	2	c	47	85	8	4000	Cu	3	ACu	7	*
Aberdeen	10192	+2	–	0	0	47	97	5	1500	St	10	–	10	0
Malin Head	10246	0	WSW	4	mmo	46	97	4	4000	Nb	10	–	10	4
Renfrew	10208	+2	SW	3	o	48	92	7	2500	StCu	10	–	10	*
Edinburgh (Inchkeith)	10204	+1	WSW	4	b	45	97	8	*	StCu	1	–	1	2
Leuchars	10193	+1	WSW	4	b	45	92	8	–	–	0	ASt	1	*
Eskdalemuir	10224	+1	NW'N	3	b	48	85	7	2500	Cu	3	–	3	*
Tynemouth	10204	+1	W	1	o	45	92	7	2500	St	10	–	10	1
Blacksod Point	10263	–1	W'S	4	o–	48	92	7	*	*	*	*	9	5
Donaghadee	10243	0	W	2	o/p	50	92	8	800	St	10	–	10	3
Birr Castle	10185	*	S	1	o	48	97	4	2500	Nb	10	–	10	*
Holyhead	10227	+1	NW'W	4	o	49	92	8	2500	St	10	–	10	3
Liverpool (Bidston)	10244	+1	W'S	5	odo	46	97	7	1500	CuNb	10	–	10	*
Chester (Shotwick)	10245	+2	W'N	6	o/r	49	92	6	800	St	10	–	10	
Spurn Head	10202	+1	WNW	2	ffo	39	97	1	225	St	10	–	10	2
Birmingham (Edgbaston)	10227	0	NNW	6	od	47	97	3	1500	Nb	10	–	10	*
Nottingham	10216	+1	W	2	o	49	92	4	1500	St	10	–	10	*
Cranwell	10212	+1	NNW	3	odd	46	97	2	<150	St	10	–	10	0
Gorleston	10203	0	NNW	2	odd	38	97	1	1500	Nb	10	–	10	0
Valencia (Cahirciveen)	10298	–1	SW	1	o/r	49	97	7	1500	StCu	10	–	10	*
Roches Point	10292	0	NW	1	o	49	92	8	2500	St	10	–	10	4
Pembroke (St. Ann's H.)	10270	0	WNW	4	o	43	92	8	1500	St	10	–	10	*
Ross-on-Wye	10231	+1	WNW	2	o	50	85	9	2500	St	10	–	10	*
Leafield	10224	0	WNW	4	odd	48	97	5	–	St	10	–	10	*
Andover	10221	0	NW	4	odd	49	97	6	800	Nb	10	–	10	*
S. Farnborough	10213	0	WNW	2	odd	48	97	6	1500	Nb	10	–	10	*
London (Kew Obsy.)	10212	0	NW	2	orro	48	97	7	1500	Nb	10	–	10	*
Croydon	10213	–1	NW	2	odd	47	97	4	450	St	10	–	10	*
Clacton-on-Sea	10198	–1	NW	3	o	43	97	5	1500	St	10	–	10	0
Shoeburyness	10202	–1	N'W	2	odd	45	85	4	450	St	10	–	10	*
Grain	10202	0	NNW	3	o/r	45	97	5	450	St	10	–	10	0
Lympne	10193	–1	N	4	odd	45	97	3	<150	Nb	10	–	10	*
Scilly (St. Mary's)	10291	+1	NW	5	o	47	97	4	1500	St	10	–	10	4
Falmouth (Pendennis)	10288	0	NW	4	odo	49	92	7	4000	StCu	10	–	10	0
Plymouth (Cattewater)	10260	0	NW	4	oro	49	92	8	800	St	10	–	10	0
Portland Bill	10227	0	NW	2	o/r	49	92	7	2500	Nb	10	–	10	1
Southampton (Calshot)	10224	–1	NNW	4	o/r	47	92	7	1500	St	10	–	10	0
Dungeness	10199	–2	N	3	odd	43	97	5	2500	Nb	10	–	10	3
Guernsey	10118	0	NW'W	5	mmo	49	97	6	1500	St	10	–	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 31st Dec.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 30th-31st °F.	Temperature. Max. Day. 31st °F.	Rainfall.† Night 17h.-9h. 30th-31st mm.	Rainfall.† Day 9h.-17h. 31st mm.	Sunshine.	Sunshine. Sunrise to Sunset. 31st hr.
Montrose	omdo	om	35	40	0·2	2		0·0
Berwick-on-Tweed	oupdg	pdrdr	35	42	0·1	1		0·0
Llandudno	or	r	44	49	2	7		0·0
Colwyn Bay	rr	r	45	49	3	7		0·0
Rhyl	r	r	43	46	2	10		0·0
Southport	orr	rr	36	43	5	9		0·0
Blackpool	afc	or	37	44	4	10		0·0
Ilkley	omgo	r	32	40	3	4		0·0
Harrogate	o	opr	30	40	3	1		0·0
Skegness	o	odf	30	37	0·2	0·1		0·0
Aberystwyth	roo	o	43	46	1	–		0·0
Bath	mo	or	42	3	3	–		0·0
Leamington Spa	od	od	36	40	5	3		0·0
Lowestoft	o	od	30	34	–	0·1		0·0
Felixstowe	bcom	om	31	34	–	–		0·7
Southend	co	odm	30	35	–	0·4		0·3
Ilfracombe	bc	bccop	45	50	–	0·3		2·4
Bude	ccc	bcco4	44	48	1	–		3·1
Torquay	cobc	bcod	43	51	0·1	–		3·5
Weymouth	cbc	cr	40	50	0·2	0·3		0·5
Bournemouth	f	f	40	45	4	1		0·0
Portsmouth (S'thsea)	ofm	omdf	37	41	3	Trace		0·0
Littlehampton	om	omrs	35	41	1	–		0·0
Worthing	o	odm	35	40	1	0·3		0·0
Brighton	o	oddr	35	43	1	1		0·0
Eastbourne	o	or	33	42	1	0·1		0·0
Hastings	co	omdo	30	45	0·3	Trace		0·6
Folkestone	x	o	29	40	0·1	–		0·0
Dover	bcco	omdo	31	38	–	–		1·5
Tunbridge Wells	bco	oodm	30	36	1	0·3		0·0
Ramsgate	obc	oco	31	41	–	–		1·0
Margate	bco	o	29	36	–	–		1·1
Deal	boc	cod	30	36	–	–		1·2

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22,686 Wednesday, 2nd January 1924

Observations at 1300 G.M.T. 1st

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Low Form	Low Amt. 0–10	Upper Form.	Total Amt. 0–10	State of ground.
Lerwick	1014·9	+1	NW	2	od	47	97	5	4000	Nb	10	–	10	•
Stornoway	1018·7	–1	SSW	1	o	48	97	7	450	St	10	–	10	•
Wick	1017·5	0	WSW	1	bc	47	97	8	1500	St	4	ACu	5	•
Castlebay	1020·2	–2	SSW	3	o/r	49	92	7	2500	St	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1018·9	–1	WNW	2	b	51	85	8	–	–	0	–	0	2
Malin Head	1022·3	–2	WSW	2	o	47	97	7	4000	Nb	8	ACu	10	•
Renfrew	1021·8	–2	W	4	o+	49	85	7	1500	St	10	–	10	2
Edinburgh (Inchkeith)	1020·7	0	W	0	bc+	45	97	6	•	St	2	CiSt	4	•
Leuchars	1019·5	–1	WSW	3	b	48	85	7	–	–	0	–	0	2
Eskdalemuir	1021·2	–1	W'S	3	b	52	75	8	2500	StCu	2	–	2	1
Tynemouth	1020·8	0	W	2	bc–	50	85	7	4000	St	2	ACu	5	•
Blacksod Point	1023·6	–2	WSW	5	o	50	92	6	•	•	•	•	10	•
Donaghadee	1023·4	0	W	2	c–	48	92	8	800	St	8	–	8	•
Birr Castle	1025·9	*	SW	1	o–	49	97	7	4000	StCu	9	–	9	•
Holyhead	1025·3	–1	WNW	4	od₀	47	97	6	450	Nb	10	–	10	2
Liverpool (Bidston)	1023·3	–1	W	6	o	46	97	7	1500	Nb	10	–	10	•
Chester (Shotwick)	1023·5	–1	WNW	6	o	49	92	8	800	St	9	–	9	2
Spurn Head	1020·5	0	WNW	3	FFo	42	97	0	<150	St	10	–	10	•
Birmingham (Edgbaston)	1022·6	–1	NW	6	od	47	92	4	1500	St	10	–	10	2
Nottingham	1021·3	0	NW	4	c–	49	92	4	1500	St	8	CiSt	9	•
Cranwell	1021·2	–1	WNW	1	od₀	48	97	2	<150	St	10	–	10	2
Gorleston	1019·7	–0	NW'W	1	FFo	40	97	1	1500	St	10	–	10	•
Valencia (Cahirciveen)	1027·6	–4	SW'W	3	opr₀	50	92	6	800	St	10	–	10	2
Roches Point	1027·7	–2	SW	2	o	50	85	8	4000	StCu	10	–	10	•
Pembroke (St. Ann's H.)	1026·2	–2	NW	4	o	47	92	8	1500	St	10	–	10	•
Ross-on-Wye	1022·7	–1	NW	2	b–	52	75	9	4000	Cu	1	–	1	1
Leafield	1022·8	–1	NW	4	o+	47	92	7	4000	Nb	9	–	9	*
Andover	1022·1	0	NW'N	5	o	49	85	8	800	St	10	–	10	2
S. Farnborough	1021·6	+1	WNW	3	od₀	48	97	5	800	Nb	10	–	10	2
London (Kew Obsy.)	1021·1	–1	NW	2	o	50	92	6	1500	StCu	8	ASt	10	2
Croydon	1021·1	–1	NW	3	odod₀	48	97	3	225	St	10	–	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1019·8	0	NNW	4	odod₀	49	92	4	450	St	10	–	10	•
Grain	1020·1	–1	NW	4	od₀	48	97	5	225	Nb	10	–	10	2
Lympne	1019·4	–2	N	4	oDD	47	97	4	225	Nb	10	–	10	2
Scilly (St. Mary's)	1028·6	0	NW'W	5	o	48	97	7	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1027·0	–1	NNW	4	c	48	92	7	4000	StCu	8	–	8	•
Plymouth (Cattewater)	1025·7	–1	NNW	4	o	49	92	8	800	St	10	–	10	0
Portland Bill	1022·9	–4	NW	2	b	51	75	7	4000	Cu	3	–	3	•
Southampton (Calshot)	1022·0	–1	NNW	5	o	50	85	6	1500	St	10	–	10	2
Dungeness	1019·7	–1	NNE	2	mo–	47	97	4	800	St	10	–	10	•
Guernsey	1024·7	–2	N'W	3	o–	49	92	7	2500	St	9	–	9	•

Observations at 1800 G.M.T. 1st

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Low Form	Low Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea. 0–9
Lerwick	1014·9	0	WNW	2	odd	46	97	5	4000	Nb	10	–	10	1
Stornoway	1015·5	–4	SSW	2	o/r	47	97	6	450	St	10	–	10	1
Wick	1016·8	–2	–	0	bc	40	92	9	5700	StCu	3	ACu	5	0
Castlebay	1017·5	–2	SW	4	o	48	97	7	1500	St	10	–	10	≠3
Nairn	1017·2	•	–	0	bc	41	85	8	4000	Cu	4	–	4	•
Aberdeen	1018·9	0	–	0	b	40	97	5	4000	StCu	1	–	1	0
Malin Head	1020·1	–2	WSW	2	od₀	47	97	7	4000	Nb	7	ASt	10	4
Renfrew	1020·7	–1	SW	2	od₀	46	97	6	1500	Nb	10	–	10	•
Edinburgh (Inchkeith)	1020·0	+0	WSW	3	bc	43	97	7	•	St	4	–	4	1
Leuchars	1018·5	0	WSW	3	b	40	97	7	–	–	0	ACu	1	•
Eskdalemuir	1021·3	–1	SW	2	o	44	85	6	1500	St	10	–	10	•
Tynemouth	1020·5	+0	W	2	b	46	92	7	2500	St	2	–	2	1
Blacksod Point	1019·5	–1	WSW	5	om+	50	92	6	•	•	•	•	10	5
Donaghadee	1022·9	0	W	1	o+	48	92	7	450	St	10	–	10	2
Birr Castle	1024·3	•	WSW	1	od₀	48	92	6	2500	StCu	9	–	9	•
Holyhead	1024·3	–1	SW'S	2	o	48	92	6	4000	StCu	10	–	10	2
Liverpool (Bidston)	1023·1	0	W	4	od₀	45	97	3	800	Nb	10	–	10	4
Chester (Shotwick)	1023·1	–0	W'N	3	o	47	92	6	800	St	10	–	10	
Spurn Head	1020·5	0	NW	3	FFo	42	97	0	<150	St	10	–	10	1
Birmingham (Edgbaston)	1022·9	+1	NW	5	o	45	92	5	1500	St	10	–	10	•
Nottingham	1021·2	0	WNW	2	b–	47	92	6	–	–	0	–	0	•
Cranwell	1021·4	0	NW	4	o/r	46	92	5	800	Nb	10	–	10	•
Gorleston	1019·1	–0	NNW	4	odod₀	44	97	5	2500	Nb	10	–	10	0
Valencia (Cahirciveen)	1025·5	–2	S	3	o+	50	92	7	800	St	10	–	10	4
Roches Point	1026·1	–1	–	0	o	49	92	8	2500	St	10	–	10	0
Pembroke (St. Ann's H.)	1025·1	–2	NW	3	o	47	92	8	1500	StCu	10	–	10	4
Ross-on-Wye	1022·1	0	WNW	1	o+	46	85	9	2500	St	8	ASt	9	•
Leafield	1022·5	+0	NW	2	o	46	92	6	–	–	0	ASt	10	•
Andover	1021·8	0	NW'N	2	bc–	46	92	7	1500	StCu	5	–	5	•
S. Farnborough	1021·7	+1	WNW	3	o	48	92	7	1500	St	10	–	10	•
London (Kew Obsy.)	1021·4	0	NW	2	o	48	92	5	1500	StCu	10	–	10	•
Croydon	1021·5	+1	NW'N	3	odod₀	46	97	4	220	St	10	–	10	•
Clacton-on-Sea	1019·0	0	NNW	3	od₀	48	97	4	4000	St	10	–	10	0
Shoeburyness	1019·7	0	N'W	3	odod	48	92	4	450	St	10	–	10	•
Grain	1019·9	0	WNW	3	odod₀	46	97	5	450	Nb	10	–	10	0
Lympne	1019·4	–0	N'W	4	odod₀	47	97	4	<150	Nb	10	–	10	•
Scilly (St. Mary's)	1027·6	–1	NW	4	c+	47	97	8	4000	StCu	7	–	7	4
Falmouth (Pendennis)	1026·2	–1	NW	4	bc	47	92	7	4000	StCu	6	–	6	0
Plymouth (Cattewater)	1025·2	0	NW	3	oc	48	92	8	800	St	10	–	10	0
Portland Bill	1022·4	+2	NW	3	b–	48	85	7	–	–	0	–	0	2
Southampton (Calshot)	1022·4	0	WNW	3	bc–	47	92	7	2500	StCu	5	–	5	0
Dungeness	1019·3	–1	NW	3	oDD	48	97	5	2500	Nb	10	–	10	3
Guernsey	1024·4	–0	N'W	3	b	47	97	7	–	–	0	CiSt	3	0

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 Hours ended 0900 G.M.T. 2nd)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	of₀om	omdom	oimd	•	•	42	0·1	Tr	0·0	•	•	5
Croydon } 24 hours ended 0700	244	omd₀Df	o'd₀dd	odomd	•	•	42	2	0·1	0·0	•	•	4
Greenwich (Royal Obsy.)	149	od	od	o	49	45	41	Tr	–	0·0	92	86	2
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	[illegible]	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	50	45	42	–	–	0·0	92	91	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0·0	•	•	•
Camden Square	110	oro	oa	•	49	45	42	0·3	–	•	•	90	•
Kensington Palace	80	oo	odr	•	49	45	42	0·3	–	•	(At 18h 93)	92	•
Hampstead Observatory	450	•	•	•	47	42	37	0·5	Tr	0·1		98	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 1st

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 1st 17 h. 00 m. to 2nd 7 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14·00	0·0	–
δ Ursae Minoris	14·00	0·0	–

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	c	6	–	10°
18h.	cc₂	6	–	125°
01h.	cc₂	6	–	150°
07h.	cc₂	6	–	10°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

2nd & 3rd January 1924

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·6 / 8·6	11·57 / 11·58	3·48 / 3·49
Greenwich	8·8 / 8·8	12·4 / 12·5	4·0 / 4·1
Wick	9·5 / 9·4	12·16 / 12·17	3·28 / 3·29
Valencia	8·51 / 8·51	12·45 / 12·46	4·39 / 4·40

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⊍ = lunar halo.
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; – = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

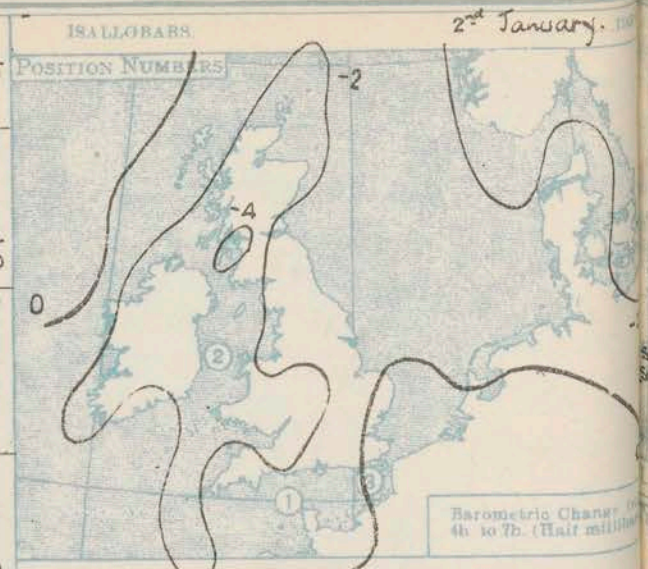
SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	Weather. 7h.-13h. 1st	Weather. 13h.-18h. 1st	Weather. 18h. 1st to 1h. 2nd	Weather. 1h.-7h. 2nd	Temperature. Max. Day 7h.-18h.	Temperature. Min. Night 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day 7h.-18h. mm.	Rainfall.† Night 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 1st Hours.
Lerwick	omd	omd	o	omd	47	44	.	1	1	<0800	<2100	0·0
Stornoway	oo	p	c	b-bc	48	42	.	0·5	0·6	-	-	0·0
Wick	bbc	b-bc	b-bc	b-bc	48	40	.	-	-	-	-	.
Castlebay	do o	odo o	odd o	ob	49	43	.	Trace	0·3	-	-	0·0
Nairn	bc	cbc	bccpo	od	48	39	.	-	0·2	-	-	4·2
Aberdeen	ombcb	bbm	bbcm	bbmo	51	38	31	-	-	-	-	5·0
Malin Head	mdco	oo	dodD	coc	48	45	.	0·1	1	<0800	<2100	0·0
Renfrew	oco	oido	oido	oo	49	45	43	Trace	Trace	-	-	1·1
Edinburgh (Inchkeith)	bbc	bc	bco	ido	46	43	-	-	0·2	-	01·30	5·8
Leuchars	bbc	b-bc	bob	bopm	49	36	30	-	0·1	-	-	6·3
Eskdalemuir	bbc	boo	om	omdof	52	41	40	-	0·6	-	02·30	4·7
Tynemouth	c	b-bc	o	m	50	44	41	-	-	-	-	.
Blacksod Point	cord	f-m	f-m	r-d	50	43	.	0·3	0·3	-	-	.
Donaghadee	oo	om	c	om	50	46 ~~47~~	.	-	0·2	-	<2100	.
Birr Castle	co	coido		coido	49	45	46	0·1	1	14·30	<2100	0·0
Holyhead	oldom ~~om~~	domo	odo	ldopr	49	47	46	0·1	1	09·00	<2100	0·1
Liverpool (Bidston)	oo	r-d		oo	47	44	43	0·2	0·3	11·00	<2100	0·0
Chester (Shotwick)	oodoq	obdm	oroom	oorm	50	45	40	Trace	0·1	12·30	<2100	0·1
Spurn Head	ffo	FF'd	ffodo	oom	42	39	.	2	1	<0800	<2100	0·0
Birmingham (Edgbaston)	odo	oo	oo	oo	47	44	42	0·1	-	<0800	-	0·0
Nottingham	m	c	b-m	f-m	50	44	38	-	-	-	-	0·0
Cranwell	orfmf	fdoid	odf	odfmo	48	42	41	1	0·2	<0800	<2100	0·0
Gorleston	ffdo	FFrr	offdd	ffmdo	44	37	37	4	2	11·00	<2100	0·0
Valencia (Cahirciveen)	oiapp	opco	omd	oorbc	51	48	44	0·2	1	0900	2400	0·1
Roches Point	oco	oo	odo	oc	51	48	.	-	0·1	-	<2100	.
Pembroke (St. Ann's H.)	oo	oo	c	oddf	50	47	.	-	2	-	03·30	0·2
Ross-on-Wye	cvbcv	cv	od	odob	53	45	38	-	Trace	-	-	4·3
Leafield	cq	oo	co	co	48	43	40	Trace	-	<0800	-	0·0
Andover	dmo	ocbc	bccom	om	51	42	39	Trace	-	<0800	-	1·2
S. Farnborough	rodom	odomo	oco	o	48	44	42	0·4	-	<0800	-	0·0
London (Kew Obsy.)	oroom	omdom	oimo	ooim	50	42 ~~45~~	42	0·1	Trace	<0800	-	0·0
Croydon	omdDf	ofdodd	odomo	om	48	45	42	2	0·1	<0800	<2100	0·0
Clacton-on-Sea	ogmd	ogm	ogmd	ogmd	48	43	43	1	2	<0800	<2100	0·0
Shoeburyness	odom	odod	ododo	oido	49	43	43	0·4	0·2	<0800	<2100	0·0
Grain	omid	oddm	oidom	oidom	48	43	42	0·2	0·1	0900	<2100	0·0
Lympne	ofd	ofmdd	ofdo	ofdo	47	43	42	2	1	<0800	<2100	0·0
Scilly (St. Mary's)	omd	ocbc	bcd	bcc	48	46	.	0·5	0·4	<0800	<2100	1·1
Falmouth (Pendennis)	bcom	bcom	bcom	com	50	47	.	-	-	-	-	0·2
Plymouth (Cattewater)	oo	or	or	odb	49	46	43	Trace	0·4	<0800	<2100	0·1
Portland Bill	c	b-bc	c	r-d	52	47	.	-	Trace	-	0430	.
Southampton (Calshot)	odomom	oo	oo	oo	-	44	43	Trace	Trace	<0800	0530	0·3
Dungeness	dmm	mmod	omdo	dm	49	44	.	0·6	0·3	<0800	<2100	.
Guernsey	om	cbcbcbcm	bbcb	bcco	49	47	.	-	-	-	-	.



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	1st. 10.00	"Hibernia"	W	4	0	48	49
1	1st. 12.00	"Ibex"	NNW	4	0	50	50
3	2nd. 02.00	"Dieppe"	NW'N	1	0	48	47

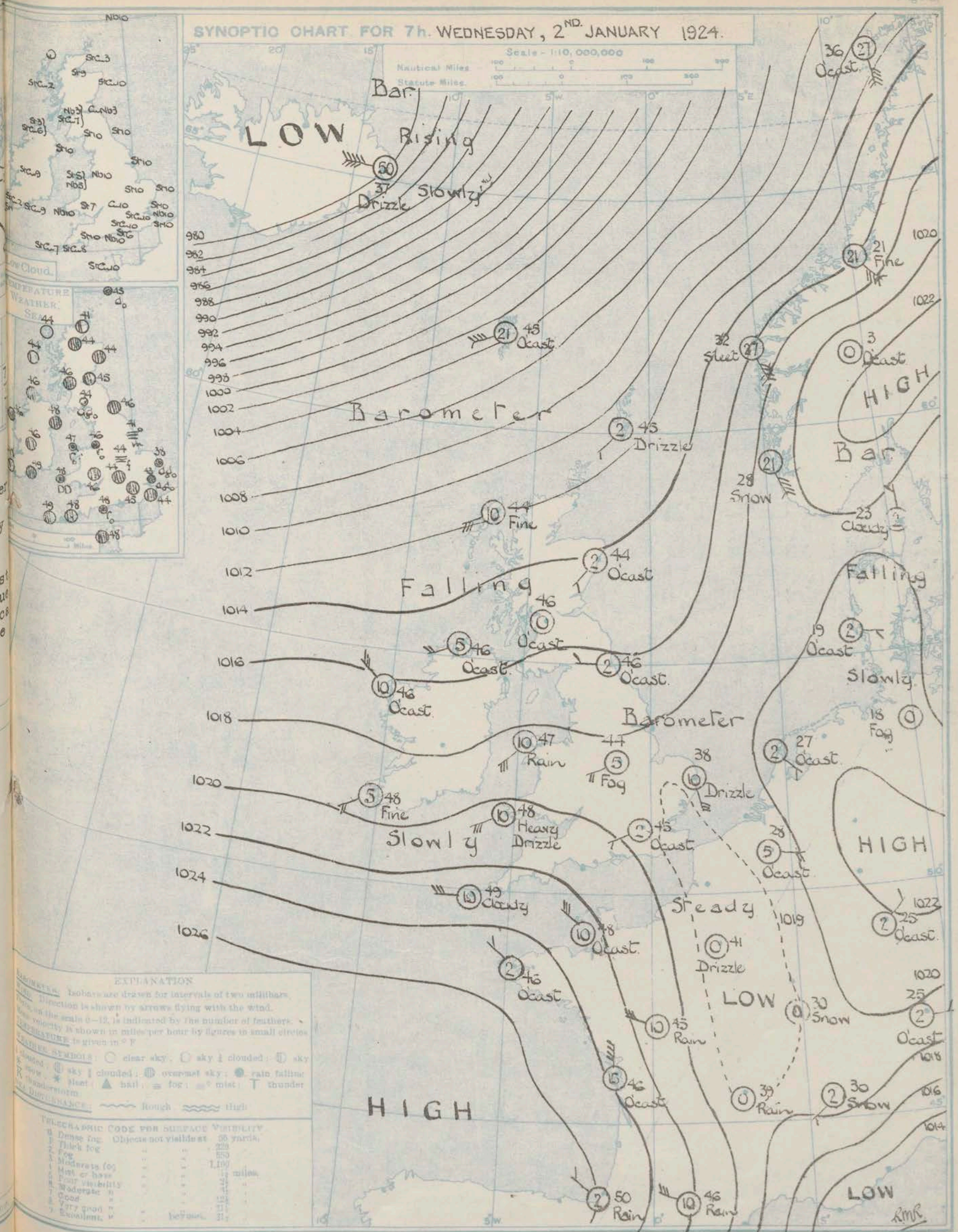
GENERAL INFERENCE.

Pressure remains lowest beyond Iceland and is high over Holland and off the Southwest Coasts. Winds will be mainly W. or SW., light or moderate, but will be less definite in direction in Southeast and East England. Weather will continue mainly cloudy or dull with local rain or drizzle and a moderate or rather mild temperature.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Wednesday, 2nd January, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind indefinite, light; mainly cloudy or dull, occasional rain or drizzle; mist or fog in places; probably becoming somewhat colder.	Unsettled. ----------
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly W. or S.W., light or moderate; mainly cloudy or dull, occasional rain or drizzle; mist or fog in places; rather mild to moderate temperature.	Nil.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 2nd January 1924 No. 2

Observations at 0100 G.M.T. 2nd

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10
Lerwick	54	1013·7	-2	SW	1	c-	45	92	7	5700	Strcu	5	ACu	7
Stornoway	51	1013+	*	–	0	0	*	*	5	*	*	*	*	*
Wick	81	1013·3	-3	SSW	3	bc	43	92	8	–	–	0	ASt	6
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1016·9	-1	WSW	3	o/r	48	97	7	4000	Nb	3	ASt	10
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1017+	-1	W	1	0	45	92	7	*	St	10	–	10
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1018+	-2	W	1	0	45	92	7	4000	Strcu	9	–	9
Blacksod Point	10	1018o	-1	W	3	0	48	97	5	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1021·1	-1	SW's	3	od.	48	97	7	1500	St	10	–	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1019·1	-2	WNW	3	0	40	97	5	1500	St	10	–	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1020·5	-2	~~NEE~~ W'N	3	odd	43	97	3	800	~~Nb~~ St	10	–	10
Gorleston	13	1019·3	0	–	0	od.	40	97	2	1500	St	10	–	10
Valencia (Cahirciveen)	30	1021·1	-3	SSW	4	mo+	51	92	5	–	St	10	–	10
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1023·1	-2	W	3	0	48	92	8	4000	Strcu	10	–	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	46	*	*	*	*	*	*	*
Croydon	244	1020·6	-1	NNW	2	0	45	92	6	800	St	10	–	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1018·8	0	N	4	od.	43	97	3	<150	Nb	10	–	10
Scilly (St. Mary's)	131	1025·6	-2	N	4	b	47	97	8	4000	Strcu	3	–	3
Falmouth (Pendennis)	200	1025·9	-1	WNW	3	0	47	97	7	4000	Strcu	10	–	10
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1022·1	0	NW	2	0+	48	85	7	–	–	0	ASt	10
Southampton (Calshot)	12	1021·5	0	WNW	3	0	46	92	8	2500	Strcu	10	–	10
Dungeness	21	1019·8	0	NW	3	o/f	46	97	6	–	–	0	ASt	10
Guernsey														

Observations at 0700 G.M.T. 2nd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10	Sea 0–9
Lerwick	1011·1	-2	SW	1	od.	45	97	6	4000	Nb	10	–	10	0
Stornoway	1011·9	-1	SW	3	b	44	75	8	–	–	0	–	0	2
Wick	1012·0	0	W	1	bc	41	97	9	4000	Strcu	3	ACu	4	0
Castlebay	1014·1	-1	–	0	b	44	92	7	2500	Strcu	2	–	2	*
Nairn	1013·0	*	–	0	o+	44	85	8	1500	St	9	–	9	*
Aberdeen	1014·0	-3	SW	1	o+	44	92	6	4000	Strcu	10	–	10	0
Malin Head	1014·8	-3	WSW	2	o	46	92	7	2500	Strcu	9	–	9	5
Renfrew	1015·1	-4	–	0	o	46	92	6	2500	Strcu	10	–	10	*
Edinburgh (Inchkeith)	1014·9	-1	W	2	c-	45	97	7	*	CuNb	3	ASt	8	0
Leuchars	1014·2	-3	NW	1	o	41	97	6	800	St	9	ASt	10	*
Eskdalemuir	1016·3	-2	S'W	2	odod.	44	97	2	4150	St	10	–	10	*
Tynemouth	1016·3	-1	W	1	o	46	97	5	800	St	10	–	10	1
Blacksod Point	1016·5	0	NW	3	o	46	97	6	*	*	*	*	10	5
Donaghadee	1017·0	-3	–	0	o+	48	97	6	800	St	10	–	10	1
Birr Castle	1017·8	*	SW	1	o	46	97	6	2500	Strcu	9	–	9	*
Holyhead	1018·1	-3	SSW	3	or.	47	97	6	1500	St	10	–	10	2
Liverpool (Bidston)	1018·4	-1	SW	2	or.	46	97	7	1500	Nb	10	–	10	3
Chester (Shotwick)	1018·1	-3	SSE	2	or.	47	92	5	2500	Nb	10	–	10	*
Spurn Head	1017·6	+1	W'N	2	mmo	41	97	4	1500	St	10	–	10	1
Birmingham (Edgbaston)	1019·5	-2	W	2	o	45	92	5	2500	St	10	–	10	*
Nottingham	1018·6	-2	WSW	2	ff.	44	97	3	1500	St	10	–	10	*
Cranwell	1019·0	-2	W'S	2	o/r	43	97	6	4000	Strcu	10	–	10	*
Gorleston	1019·3	0	S'E	3	odod.	38	97	5	1500	St	10	–	10	1
Valencia (Cahirciveen)	1019·3	-3	SW	2	b	48	97	7	1500	Strcu	3	–	3	5
Roches Point	1019·5	-1	W	1	o	49	97	8	4000	Strcu	9	–	9	0
Pembroke (St. Ann's H.)	1020·3	-3	WSW	3	oDD	48	97	2	450	Nb	10	–	10	4
Ross-on-Wye	1019·8	-3	SW	2	o	46	92	8	2500	St	7	ASt	10	*
Leafield	1020·0	-2	NW	2	o	44	92	6	4000	Cu	10	–	10	*
Andover	1019·5	-1	NN'W	3	o	42	97	6	1500	Strcu	10	–	10	*
S. Farnborough	1019·7	-1	W	2	o	44	97	6	1500	Strcu	10	–	10	*
London (Kew Obsy.)	1019·5	-1	WSW	1	o	45	92	6	1500	Strcu	10	–	10	*
Croydon	1019·9	-1	NNW	1	o	45	92	5	1500	Strcu	10	–	10	*
Clacton-on-Sea	1018·7	0	NNW	2	odd.	43	97	4	1500	St	10	–	10	0
Shoeburyness	1018·9	-1	NW	1	od.	44	85	4	450	St	10	–	10	*
Grain	1019·3	0	WNW	3	od.	44	97	5	800	Nb	10	–	10	0
Lympne	1018·4	0	N'W	3	odd.	43	97	3	<150	Nb	10	–	10	*
Scilly (St. Mary's)	1023·7	-2	W	3	c	49	97	8	4000	Strcu	7	–	7	2
Falmouth (Pendennis)	1022·8	0	WNW	2	c+	48	92	8	5700	Strcu	8	–	8	0
Plymouth (Cattewater)	1022·0	-1	W	1	odd.	47	97	6	450	St	10	–	10	0
Portland Bill	1020·8	-2	NW	2	or.	48	92	7	2500	Nb	10	–	10	1
Southampton (Calshot)	1020·7	-1	W'N	3	o ~~oc~~	45	92	8	2500	St	10	–	6	0
Dungeness	1018·9	0	N	1	o/r	44	97	6	800	St	10	–	10	3
Guernsey	1023·0	-1	NW	3	o	48	97	8	4000	Strcu	10	–	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 1st Jan.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 31st Dec.–1st Jan. °F.	Temperature. Max. Day. 1st °F.	Rainfall.† Night 17h.–9h. 31st–1st mm.	Rainfall.† Day 9h.–17h. 1st mm.	Sunshine.	Sunshine. Sunrise to Sunset. 1st hr.
Montrose	b	bm	39	50	2	–		5·3
Berwick-on-Tweed	rrocw	b	41	51	1	–		3·5
Llandudno	a	r	46	47	7	0.2		–
Colwyn Bay	cp	c	47	48	5	–		–
Rhyl	op	po	44	47	5	0.3		–
Southport	eo	aemo	43	47	7	0.1		–
Blackpool	cor	co	44	46	5	0.7		–
Ilkley	d.ogc	c	38	50	2	–		–
Harrogate	b	b	39	50	1	–		3·7
Skegness	ordo	od	34	48	7	0.5		–
Aberystwyth	roo	o	44	48	5	–		–
Bath	ocbc	bcb	44	52	7	–		2·6
Leamington Spa	oa	o	43	49	1	–		–
Lowestoft	ofd	odm	31	44	1	3		–
Felixstowe	omf	omfd	33	47	3	0·6		–
Southend	moe	oe	33	49	5	0·2		–
Ilfracombe	o	omd	47	49	–	trace		–
Bude	oemd	oedd	47	49	0·1	0·5		–
Torquay	b	b	47	54	1	0·1		6·5
Weymouth	bcb	b	45	53	2	–		4·2
Bournemouth	oo	bbo	44	51	3	–		2·4
Portsmouth (S'thsea)	oco	oco	40	51	3	–		–
Littlehampton	om	om	39	52	1	–		–
Worthing	o	o	38	50	1	–		–
Brighton	ododo	o	42	51	4	0·5		–
Eastbourne	co	or	41	51	3	trace		–
Hastings	omdo	omdm	39	50	4	0·5		–
Folkestone	d	d	38	46	2	2		–
Dover	omfmd	omd	38	49	2	2		–
Tunbridge Wells	odm	odfm	35	45	5	1		–
Ramsgate	ofd	ofd	35	47	3	2		–
Margate	om	od	34	45	3	1		–
Deal	cf	cf	34	47	2	0·5		–

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22,687. Thursday, 3rd January 1924.

Observations at 1300 G.M.T. 2nd (first column group) · Observations at 1800 G.M.T. 2nd (second column group)

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1010·7	0	W	1	bc	44	97	6	-	-	0	ASt	5	•	1009·9	-2	W	1	bc	43	97	6	-	-	0	ASt	4	0
Stornoway	1010·7	-2	SW	2	or₀r₀	43	92	6	450	St.	10	-	10	•	1010·0	-1	-	0	o/r	39	97	6	450	St	10	-	10	0
Wick	1011·1	-2	WNW	1	o	43	92	6	4000	St.Cu	6	CiSt	10	•	1009·2	-1	WSW	1	bc-	36	92	8	5700	StCu	2	CiSt	4	1
Castlebay	1012·0	-2	SW	4	cjp	46	92	6	1500	Nb	7	-	7	•	1011·5	0	NW	2	c/r	44	97	7	1500	St	7	-	7	1
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1010·3	•	-	0	bc	36	85	8	1500	St	5	-	5	•
Aberdeen	1012·4	-3	W	2	or₀	45	97	6	1500	Nb	10	-	10	2	1011·3	-1	WSW	1	o-	42	97	6	4000	StCu	9	-	9	0
Malin Head	1013·2	-1	W	1	bc-	47	85	8	5700	CuNb	2	A.Cu	5	•	1013·4	+0	WNW	3	b	45	85	8	5700	CuNb	2	-	2	2
Renfrew	1011·9	-6	W	1	o	46	92	6	2500	St.Cu	10	-	10	2	1012·6	0	W	2	c/r	42	97	5	2500	StCu	8	-	8	•
Edinburgh (Inchkeith)	1012·5	-3	W	2	c+	46	92	5	•	-	0	CiSt	8	•	1011·8	0	W	2	or₀	43	97	6	•	Nb	10	-	10	0
Leuchars	1011·9	-3	WSW	2	o-	44	97	6	-	-	0	A.St	10	2	1010·8	-1	WSW	2	or₀	41	97	7	1500	Nb	7	ASt	10	•
Eskdalemuir	1012·8	-4	-	0	o	45	97	6	<150	St.	10	-	10	1	1012·1	0	NW	2	or-	41	92	6	800	Nb	10	-	10	•
Tynemouth	1013·5	-5	W	1	o	48	92	5	800	St.	10	-	10	•	1011·0	-2	-	0	or₀r₀	46	97	4	800	Nb	10	-	10	0
Blacksod Point	1015·2	0	WNW	4	c	48	85	9	•	•	•	•	7	•	1017·0	0	NW	4	bc	43	75	8	•	•	•	•	5	5
Donaghadee	1014·8	-2	W	1	oR-	47	97	6	800	St.	10	-	10	•	1014·6	0	-	0	b-	43	92	7	-	-	0	-	0	0
Birr Castle	1017·8	*	SW	1	c-	47	97	6	4000	St.Cu	7	-	7	•	1017·2	•	W	1	b-	42	92	6	4000	Cu	2	-	2	•
Holyhead	1015·2	-3	WSW	5	o	48	97	7	1500	Nb	4	ASt	10	2	1015·0	+1	W	5	b-	47	92	8	4000	StCu	1	-	1	3
Liverpool (Bidston)	1014·3	-4	S	1	o₀	48	92	5	1500	Nb	10	•	10	•	1014·0	-1	WSW	5	o	46	97	8	2500	St	10	-	10	6
Chester (Shotwick)	1014·0	-5	SSE	2	om	50	85	5	2500	St.	10	-	10	2	1014·2	-0	WNW	5	b-	47	85	7	1500	St	3	-	3	•
Spurn Head	1014·8	-3	SW	3	mmo	44	97	4	800	St.	10	-	10	•	1011·5	+4	SW'W	3	ffo	42	97	2	450	St	10	-	10	1
Birmingham (Edgbaston)	1016·3	-5	SSW	3	oa₀	46	97	5	2500	Nb	10	-	10	2	1014·5	-1	WNW	3	o/r	46	92	5	2500	StCu	9	-	9	•
Nottingham	1015·2	-3	WSW	2	o	48	92	5	1500	St.	10	-	10	•	1013·0	-1	WNW	3	o	48	92	6	1500	Nb	10	-	10	•
Cranwell	1016·1	-4	WSW	2	o	48	92	6	5700	St.Cu	7	A.Cu	9	2	1013·4	-2	W	3	o/r	46	97	5	1500	St	10	-	10	•
Gorleston	1017·1	-2	SW'W	1	FFo	40	97	1	1500	St.	10	-	10	•	1015·3	-1	SW	2	om-	43	97	4	2500	St	10	-	10	0
Valencia (Cahirciveen)	1019·7	-1	WSW	3	b-	49	85	8	2500	St.Cu	2	A.Cu	3	1	1020·4	+2	WNW	3	b	46	85	8	2500	StCu	2	-	2	4
Roches Point	1018·3	-2	NNW	3	b-	49	75	8	2500	Cu	2	Cu	3	•	1019·1	+1	NW	2	b	44	85	8	-	-	0	-	0	0
Pembroke (St. Ann's H.)	1017·5	-3	WSW	3	mo-	48	97	4	800	St.	10	-	10	•	1017·3	0	W	3	bc-	47	92	7	800	St	4	-	4	4
Ross-on-Wye	1016·1	-5	SW'S	2	or₀	49	92	6	2500	Nb	10	-	10	1	1015·4	+0	WSW	2	o	47	85	8	2500	St	9	-	9	•
Leafield	1017·5	-4	SW	2	od₀	47	92	6	-	St.	10	-	10	*	1014·4	-2	W	3	o/r	46	97	6	2500	?St	10	-	10	•
Andover	1017·6	-2	W	3	o	49	85	7	1500	St.	10	-	10	1	1015·5	-2	WSW	3	od₀d	47	97	6	800	Nb	10	-	10	*
S. Farnborough	1017·9	-2	W	2	o	49	85	6	4000	St.Cu	3	A.St	10	2	1015·0	-3	WSW	3	od₀	47	97	7	800	Nb	8	ASt	10	•
London (Kew Obsy.)	1017·4	-4	W	1	o	48	85	5	4000	St.Cu	5	A.Cu	10	2	1014·9	-2	SW	2	odd	48	97	5	1500	Nb	10	-	10	•
Croydon	1017·7	-4	W'N	2	o/r	47	92	5	2500	St.Cu	9	-	9	2	1015·7	-1	WSW	3	od₀d₀	47	97	6	1500	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014·5	-2	WSW	2	o	42	97	4	4000	St	10	-	10	0
Shoeburyness	1016·9	-2	WNW	1	o-	48	85	5	2500	St.Cu	9	-	9	•	1015·1	-2	WSW	1	or₀r₀	45	85	3	450	Nb	10	-	10	•
Grain	1016·4	-4	W	3	fo+	48	85	3	4000	St.Cu	9	-	9	2	1015·3	-1	SW	3	or₀	45	92	5	2500	Nb	10	-	10	0
Lympne	1017·9	-3	WNW	3	o	45	97	4	800	St	9	-	9	2	1015·9	-1	WNW	2	o	45	97	4	4000	St	8	ASt	10	•
Scilly (St. Mary's)	1021·0	-2	W	4	FFo	50	97	1	450	St.	10	-	10	•	1019·7	-1	NW'N	4	b-	47	97	7	4000	StCu	3	-	3	4
Falmouth (Pendennis)	1020·0	-2	WSW	4	od₀d₀	49	97	6	2500	Nb	10	-	10	•	1018·3	0	WNW	2	c-	48	92	7	5700	StCu	8	-	8	0
Plymouth (Cattewater)	1019·3	-4	W	3	or₀	49	97	6	450	St.	10	-	10	1	1017·9	0	-	0	or₀	48	97	7	450	St	10	-	10	0
Portland Bill	1018·2	-4	W	2	or₀	48	92	7	2500	Nb	10	-	10	•	1015·8	-4	W	3	or₀r₀	48	97	7	2500	Nb	10	-	10	1
Southampton (Calshot)	1018·1	-4	W	3	o	49	92	8	1500	St.	10	-	10	0	1016·1	-2	SW	3	od₀d₀	47	97	6	800	Nb	10	-	10	0
Dungeness	1017·4	-1	N	2	c-	47	92	6	-	-	0	A.Cu	8	•	1015·7	-1	SW	3	o	44	97	6	-	-	0	ASt	10	3
Guernsey	1020·5	-3	WNW	4	o/r	48	97	7	1500	St.	10	-	10	•	1018·6	-2	W'S	3	od₀d₀	47	97	5	800	Nb	10	-	10	0

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 Hours ended 0900 G.M.T. 3rd)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew (24 hours ended 0700)	18	omd₀m	omord	bbcmx	•	•	31	0·4	1	0·4	•	•	4
Croydon (24 hours ended 0700)	244	omd₀r₀	omd₀d₀	od₀bbco	•	•	35	0·1	0·6	0·3	•	•	6
Greenwich (Royal Obsy.)	149	o	od	odrobo	48	39	32	0·3	1	0·0	89	87	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	49	38	30	-	0·7	0·0	86	90	•
Regent's Pk. (Botanic Gdns).	[illegible]	•	•	•	•	•	•	•	•	0·0	•	•	•
Camden Square	110	oc	cor	•	49	39	33	0·3	1	•	•	87	•
Kensington Palace	80	o	odr	•	49	39	31	0·3		•	(At 18h 93)	92	•
Hampstead Observatory	450	•	•	•	46	37	26		1	0·1		94	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 2nd

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 2nd 17 h 00 m. to 3rd 7 h 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14·00	6 15	45
δ Ursae Minoris	14·00	5 53	42

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Sleeting to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C₁	6	-	150°
18h.	C	5	-	145°
01h.	C	5	-	100°
07h.	C	5	-	50°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

3rd January, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·6 / 8·5	11·58 / 11·58	3·49 / 3·50
Greenwich	8·8 / 8·8	12·5 / 12·5	4·1 / 4·2
Wick	9·4 / 9·3	12·17 / 12·17	3·29 / 3·30
Valencia	8·51 / 8·50	12·46 / 12·46	4·40 / 4·41

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally 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.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ♁ = lunar halo.
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; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 33 feet above the ground.

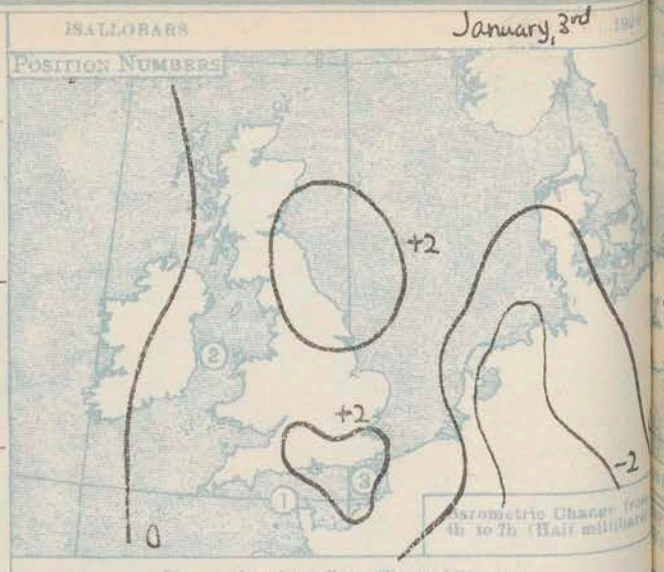
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 1

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 2nd.	13h.-18h. 2nd.	18h. 2nd. to 1h. 3rd.	1h.-7h. 3rd.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 2nd. Hours.
Lerwick	bc	bc	bc	bw	45	38	•	0·2	0·1	<0800	–	0·0
Stornoway	c	p	b-bc	cb	44	32	•	0·6	0·1	–	–	0·0
Wick	oo	c	bcour	b-bc	43	34	•	–	1	–	2200	•
Castlebay	bopcm	cmopc	cb	bspb	46	41	•	4	0·5	–	–	0·8
Nairn	ogc	cgbcx	curg	cbcx	45	33	•	–	6	–	<2100	0·0
Aberdeen	oifcq	prom	om	ourb	45	35	31	Trace	0·6	12.30	2400	0·0
Malin Head	pcbc	pbc	b	bcph	49	39	•	0·2	0·5	0900	0630	2·3
Renfrew	oo	odmpc	cocm	bcbx	47	32	24	1	–	14.30	–	0·0
Edinburgh (Inchkeith)	cm	mr	mb	b	46	37	*	0·6	0·3	16.30	<2100	0·0
Leuchars	om	omo	orbbc	b	44	33	27	0·1	0·1	–	<2100	0·0
Eskdalemuir	ofm	odorm	ormco	ocbc	45	35	31	5	0·3	13.30	<2100	0·0
Tynemouth	om	rcm	omrb	b	49	37	35	2	2	14.30	<2100	•
Blacksod Point	c	c	r-d	b	49	36	•	0·4	2	–	–	•
Donaghadee	ofr	obc	bc	b	49	34	•	7	–	0900	–	•
Birr Castle	copm	cobc	co	cox	48	34	25	0·2	–	11.00	–	3·8
Holyhead	ir amo	ocbc	b	b-bc	48	43	41	0·6	–	<0800	–	0·2
Liverpool (Bidston)	codom	oo		b	49	41	41	0·3	–	<0800	–	0·0
Chester (Shotwick)	orodopr	modrdc	bcb	bbcqr	51	41	37	1	–	<0800	–	0·1
Spurn Head	mmo	mofd	omodo	c	45	36	•	0·4	trace	15.30	2400	0·0
Birmingham (Edgbaston)	odo	oid	obccb	bbcb	47	39	35	1	–	11.00	–	0·0
Nottingham	od	odo	ocb	b-bc	48	42	34	0·4	–	11.00	–	0·0
Cranwell	ofmdc	oed	bcocb	b-bc	49	36	32	0·1	trace	15.30	<2100	0·4
Gorleston	ouFF	oFf	omdo	orro	43	42	39	0·6	1	<0800	0230	0·0
Valencia (Cahirciveen)	bcco	bcpob	cpob	coodo	49	44	36	Trace	0·4	15.30	<2100	4·6
Roches Point	ocb	bbcb	bw	bo	50	37	•	–	0·1	–	–	
Pembroke (St. Ann's H.)	offed	of-m	b-bc	b-bc	49	43	•	2	–	<0800	–	0·0
Ross-on-Wye	oo	roo	cb	bw	49	39	29	0·3	–	12.00	–	0·0
Leafield	cod	omddro	obc	bcb	47	36	29	2	–	13.30	–	0·0
Andover	oo	oordom	dgncbc	bm	49	35	30	0·6	0·2	14.30	<2100	0·0
S. Farnborough	o	omor	rro	robc	49	34	30	1	0·4	16.30	<2100	0·0
London (Kew Obsy.)	oimdcom	oimard	bmbcmb	bbbcmx	50	39	31	0·4	1	0900	<2100	0·4
Croydon	omdoro	omdodo	odob	bcom	49	39	35	0·1	0·6	12.30	<2100	0·3
Clacton-on-Sea	ogmdc	com	ogmd	ogmog	45	40	38	0·4	2	0900	2200	0·2
Shoeburyness	oidoom	omocrff	orrf	oc	49	38	36	Trace	1	17.30	<2100	0·0
Grain	omc	otmo	rroo	ocdc	48	39	35	0·4	1	<0800	<2100	0·3
Lympne	odofm	om	obfdo	bbcm	45	37	33	0·6	2	–	<2100	0·6
Scilly (St. Mary's)	coFd	omdbc	bc	bcc	50	44	•	2	–	<0800	–	0·0
Falmouth (Pendennis)	omd	omdco	bc	bc	50	44	•	1	–	13.30	–	0·0
Plymouth (Cattewater)	oro	ordd	orb	b	50	41	34	2	0·3	<0800	<2100	0·0
Portland Bill	r-d	r-d	b-bc	b-bc	48	44	•	2	trace	<0800	<2100	•
Southampton (Calshot)	oo	ododd	oidob	b	49	36	33	1	0·5	16.30	<2100	0·0
Dungeness	c	c	ommr	c	48	37	•	Trace	0·3	<0800	<2100	•
Guernsey	codofm	ododm	ododo	ododo	49	45	•	0·3	1	11.00	<2100	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	2nd 1000	"Hibernia"	SW	4	c	49	48
3	3rd 0200	"Brighton"	NW	4	o/r	48	47

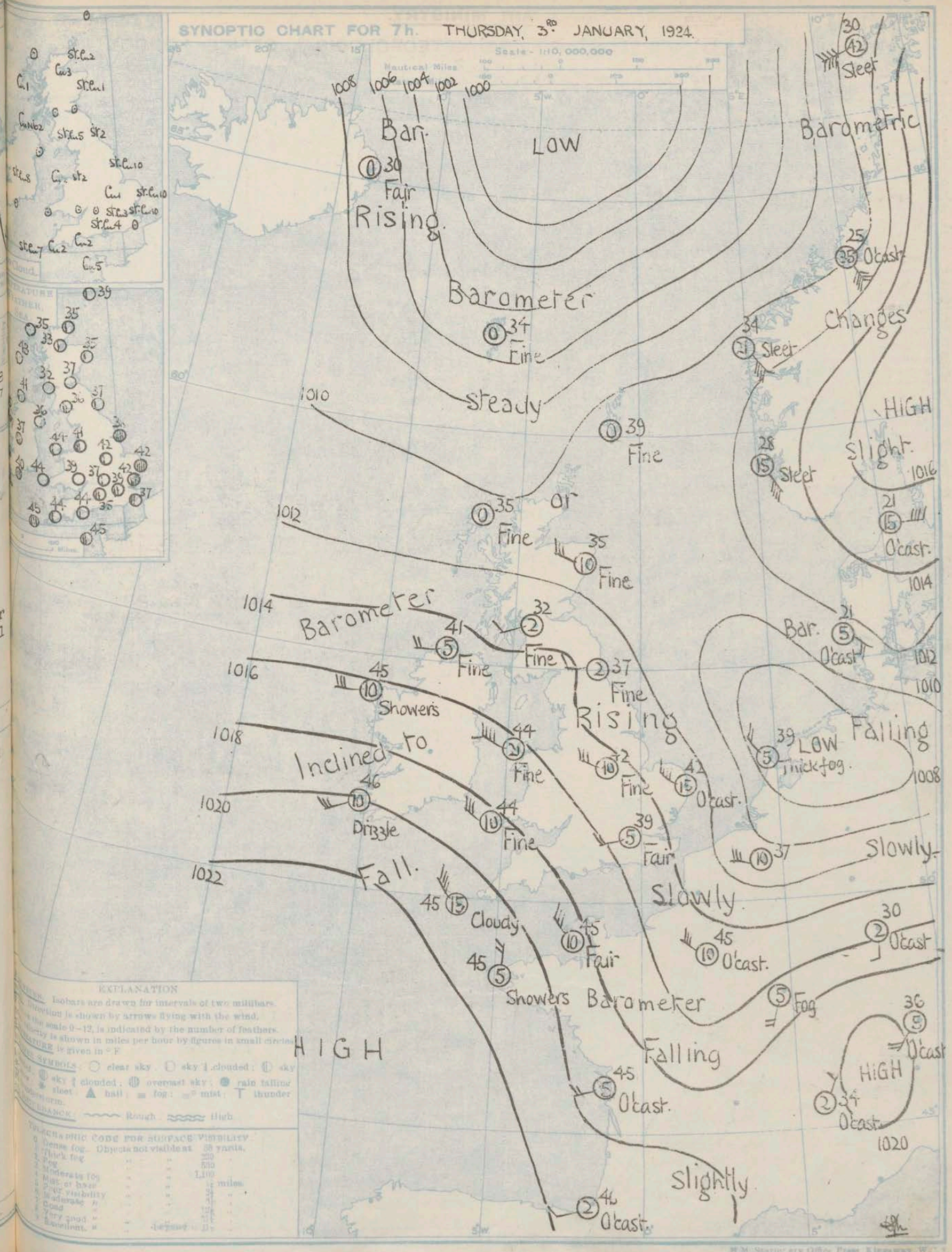
GENERAL INFERENCE.

A depression to northward of Scotland is moving northeast and it is probable that another is approaching Iceland from Southwest. Winds will continue westerly, mainly light or moderate, and cloudy conditions with drizzle or rain will spread again from the West after a fair period. Temperature will be moderate or rather low, probably rising again later.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 3rd January, 1924.	Further Outlook.
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 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind westerly, mainly light or moderate; fair to cloudy or dull, probably drizzle or rain later; visibility good, deteriorating; moderate or rather low temperature, probably rising again Friday.	Unsettled.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W. or S.W., mainly moderate; cloudy or dull, occasional rain or drizzle; mist at times; milder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0930 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday, 3rd. January, 1924. No. 3

Observations at 0100 G.M.T. 3rd.

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1008·4	0	-	0	b	41	97	6	-	-	0	asc	1
Stornoway	51	1011·4	*	-	0	b	*	*	6	*	*	*	*	*
Wick	81	1009·4	0	WNW	2	o/r	39	97	8	1500	Sc	6	asc	9
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1014·7	0	WNW	4	b+	43	85	8	5700	Cu nb	2	-	2
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1011·7	+2	WSW	3	b/f	38	92	8	*	Sc Cu	1	-	1
Leuchars	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1011·2	0	W	1	b	40	92	7	-	-	0	-	0
Blacksod Point ...	10	1018·3	0	NW	4	o	42	75	6	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	36	1016·6	0	W'N	5	b	45	92	8	-	-	0	-	0
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1013·3	+1	WNW	4	o	41	92	7	2500	Sc	10	-	10
Birmingham (Edgbaston)	625	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1013·0	0	W'N	3	b	41	92	6	2500	Sc Cu	1	-	1
Gorleston	13	1011·6	-1	W'N	3	o	43	97	7	-	-	0	asc	10
Valencia (Cahirciveen)	30	1021·7	+2	SW	2	b	47	92	9	*	-	0	asc	2
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	140	1017·9	0	WNW	3	b	41	85	8	-	-	0	-	0
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	305	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	240	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	15	*	*	*	*	*	43	*	*	*	*	*	*	*
Croydon	244	1014·8	0	W	3	b	42	97	5	-	-	0	-	0
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1013·4	0	NNW	3	b	43	97	6	-	-	0	-	0
Scilly (St. Mary's) ...	131	1020·3	-1	NNW	4	bc	46	92	8	4000	Cu nb	4	-	+
Falmouth (Pendennis)	200	1019·2	0	NW	2	b	45	85	8	5700	Sc Cu	2	-	2
Plymouth (Cattewater)	88	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1016·2	0	WNW	2	b	46	92	7	-	-	0	-	0
Southampton (Calshot)	12	1015·3	0	WNW	2	b	41	97	8	-	-	0	-	0
Dungeness	21	1013·5	-2	NW	3	bc/f	46	92	7	-	-	0	asc	5
Guernsey														

Observations at 0700 G.M.T. 3rd.

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	[illegible]
Lerwick	1011·1	+1	-	0	b	39	97	7	-	-	0	asc	2	0
Stornoway	1010·7	0	-	0	b	35	92	8	-	-	0	-	0	0
Wick	1010·3	+1	WNW	1	b	35	92	8	4000	Sc Cu	2	-	2	0
Castlebay	1012·1	0	W	3	b	43	85	8	4000	Cu	1	-	1	3
Nairn	1011·8	*	-	0	b/r	33	85	8	4000	Cu	3	-	3	*
Aberdeen	1011·5	+1	WNW	3	b-	35	92	7	4000	Sc Cu	1	-	1	0
Malin Head	1014·5	0	W	2	b	41	92	8	5700	Cu nb	2	Ci Cu	3	1
Renfrew	1013·8	+1	SW	1	b	32	92	7	-	-	0	-	0	*
Edinburgh (Inchkeith)	1013·3	0	WSW	3	b	37	92	8	*	-	0	-	0	1
Leuchars	1012·3	+2	W	2	b	33	85	8	-	-	0	-	0	*
Eskdalemuir	1014·8	+1	SW	2	bc	36	85	7	2500	Sc Cu	5	-	5	*
Tynemouth	1012·8	+2	W	1	b+	37	85	6	800	Sc	2	-	2	0
Blacksod Point ...	1015·1	-1	W	3	obr	45	92	6	*	*	*	*	10	5
Donaghadee	1015·2	0	W	1	b	36	92	8	-	-	0	-	0	1
Birr Castle	1018·4	*	W	1	c+	37	92	4	4000	Sc Cu	3	-	3	*
Holyhead	1016·9	0	W'N	5	b	44	92	8	4000	Cu	2	-	2	4
Liverpool (Bidston) ...	1015·8	+1	W	4	bc+	41	92	7	2500	Sc	2	Ci Sc	4	*
Chester (Shotwick) ...	1015·9	0	WNW	4-	bc	41	85	8	1500	Cu nb	4	-	4	
Spurn Head	1012·3	+2	WNW	4	o	38	92	6	4000	Sc Cu	10	-	10	3
Birmingham (Edgbaston)	1016·1	0	NW	4	b	39	92	6	-	-	0	-	0	*
Nottingham	1014·9	+1	WNW	3	b	42	92	4	2500	Cu	1	-	1	*
Cranwell	1014·5	+1	W'N	3	b	37	85	6	2500	Sc	1	-	1	0
Gorleston	1012·2	0	NW'W	4	o-	42	92	7	4000	Sc Cu	10	-	10	
Valencia (Cahirciveen)	1020·3	-1	SW'W	3	od+	46	85	6	1500	Sc	10	-	10	4
Roches Point	1020·6	0	SW	1	o	40	97	8	-	-	0	asc	10	0
Pembroke (St. Ann's H.)	1019·6	0	NW	3	b	44	85	8	-	-	0	-	0	3
Ross-on-Wye	1017·0	0	WSW	1	b	39	85	8	-	-	0	-	0	*
Leafield	1016·6	+2	NW	3	b	37	92	6	-	-	0	ac Cu	2	*
Andover	1017·0	+1	WNW	3	b	35	97	6	-	-	0	-	0	*
S. Farnborough ...	1015·9	0	W	2	bc	35	97	7	2500	Sc Cu	4	-	4	*
London (Kew Obsy.) ...	1015·7	+1	WSW	2	bc+	39	92	6	4000	Sc Cu	3	ac Cu	4	*
Croydon	1015·8	+1	W	2	o+	39	97	5	4000	Sc Cu	8	Ci	9	*
Clacton-on-Sea ...	1013·1	0	WNW	3	o	42	92	7	5700	Sc Cu	10	-	10	0
Shoeburyness	1014·2	+1	WNW	3	c-	41	85	7	4000	Cu	8	-	8	*
Grain	1014·6	0	W'N	4	bc	40	92	6	4000	Sc Cu	5	ac Cu	6	0
Lympne	1015·3	+2	NNW	4	c	37	92	6	4000	Sc Cu	3	ac Cu	3	*
Scilly (St. Mary's) ...	1021·9	+1	N'W	4	c	45	92	8	4000	Sc Cu	7	-	7	4
Falmouth (Pendennis)	1019·8	+1	NNW	2	b	44	85	8	5700	Cu	2	-	2	0
Plymouth (Cattewater)	1019·3	+1	NNW	1	b	42	92	8	-	-	0	-	0	3
Portland Bill	1017·1	+2	NW	3	b+	44	85	7	4000	Cu	2	-	2	1
Southampton (Calshot)	1017·2	+3	W	3	b	36	97	7	-	-	0	asc	1	3
Dungeness	1014·4	+1	WSW	4	bc	37	97	7	-	-	0	ac Cu	4	4
Guernsey	1019·2	+1	NNW	3	bc+	45	85	7	4000	Cu	5	-	5	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 2nd. January.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 1st.-2nd. °F.	Temperature. Max. Day. 2nd. °F.	Rainfall.† Night 17h.-9h. 1st.-2nd. mm.	Rainfall.† Day 9h.-17h. 2nd. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 2nd. hr.
Montrose ...	fom	of	33	41	-	-		0·0
Berwick-on-Tweed	bo3b3	bc3	40	48	0·2	-		3·0
Llandudno	omd	o	45	50	0·3	1		0·1
Colwyn Bay	c	c	46	50	-	-		0·1
Rhyl	opo	o	45	51	0·2	1		0·0
Southport	ro	dro	43	47	2	2		0·0
Blackpool	omd	ro	44	47	2	3		0·0
Ilkley	m	odo	42	48	0·2	1		1·0
Harrogate	o	o	41	47	-	-		0·0
Skegness	doc	dcod	41	48	1	-		0·7
Aberystwyth ...	ro	o	44	48	4	-		0·0
Bath	od	od	44	49	-	2		0·0
Leamington Spa ...	o	od	43	49	-	2		0·0
Lowestoft	of	of	37	43	2	0·2		0·0
Felixstowe	omof	of	39	43	2	0·2		0·0
Southend	oc	om2	42	47	1	0·1		0·1
Ilfracombe	od	od	47	50	1	2		0·0
Bude	imdod	idodc	47	49	2	2		0·0
Torquay	cdoc	cdod	46	50	0·1	0·2		0·0
Weymouth	oe	aro	45	50	0·3	3		0·0
Bournemouth	o	o	45	49	-	0·3		0·0
Portsmouth (S'thsea)	ocmo	oodm	45	49	-	0·2		0·5
Littlehampton ...	bc	ocomf	39	49	-	0·3		0·4
Worthing	obc	co	45	50	-	-		0·4
Brighton	c	c	44	49	-	-		0·3
Eastbourne	ooco	oco	46	50	Trace	-		0·1
Hastings	omo	ocomf	45	49	0·3	-		1·9
Folkestone	c	c	38	49	trace	trace		0·6
Dover	idom	om	44	48	0·1	trace		0·0
Tunbridge Wells ...	omo	ocom	43	49	0·3	-		0·0
Ramsgate	fodo	fo	35	48	1	0·3		0·0
Margate	o	o	40	46	1	-		0·0
Deal	[illegible]	fom	43	46	1	-		

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22683 Friday 4th January 1924.

Observations at 1300 G.M.T. 3rd

Stations. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.	Sea. 0-9
Lerwick														*	
Stornoway	1011·9	+1	-	0	b-	43	75	8	-	-	0	-	0	*	
Wick	1011·8	+1	WNW	1	b	38	92	8	2500	CuNb	1	-	1	*	
Castlebay	1012·2	0	SSE	4	c+	45	85	8	4000	StCu	7	-	7	*	
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Aberdeen	1013·2	+1	WSW	2	b	40	86	7	-	-	0	-	0	1	
Malin Head	1012·5	-3	SSE	4	0	42	92	8	5700	Nb	8	ACu	9	*	
Renfrew	1014·8	0	-	0	c+	39	92	5	4000	StCu	7	-	7	2	
Edinburgh (Inchkeith)	1014·1	-1	W	2	fo+	39	85	3	*	St	10	-	10	*	
Leuchars	1013·4	+1	W	1	b	41	75	8	-	-	0	-	0	1	
Eskdalemuir	1015·2	0	S	1	0	39	85	8	1500	StCu	9	-	9	1	
Tynemouth	1014·1	+1	W	1	b-	40	88	6	-	-	0	-	0	*	
Blacksod Point	1011·5	-2	W	4	oPR+	49	97	6	*	*	*	*	10	*	
Donaghadee	1016·8	0	SW	2	c+	38	97	8	800	St	2	ASt	7	*	
Birr Castle	1015·6	*	S	1	or+	43	97	7	4000	Nb	10	-	10	*	
Holyhead	1017·1	-2	WSW	3	o+	45	85	8	4000	St	6	ASt	9	1	
Liverpool (Bidston)	1016·4	-1	W'S	3	b	42	85	8	2500	StCu	3	-	3	*	
Chester (Shotwick)	1016·6	-1	WNW	4	bc	45	75	8	2500	Cu	4	-	4	2	
Spurn Head	1016·9	+1	WNW	4	bc	39	92	7	-	-	0	ACu	4	*	
Birmingham (Edgbaston)	1017·0	0	NW	3	bc	45	75	6	2500	Cu	5	-	5	2	
Nottingham	1015·5	0	WNW	3	b	44	85	8	2500	Cu	1	Cu	3	*	
Cranwell	1015·7	0	NW	3	0	42	85	6	-	-	0	-	0	2	
Gorleston	1015·7	0	NW	4	0	43	75	6	5700	StCu	10	-	10	*	
Valencia (Cahirciveen)	1017·3	-4	SW'W	5	orr	50	97	6	800	St	10	-	10	2	
Roches Point	1018·0	-3	SW	3	orS	47	97	6	1500	Nb	10	-	10	*	
Pembroke (St. Ann's H.)	1018·9	-1	WSW	4	0	46	75	8	2500	StCu	10	-	10	*	
Ross-on-Wye	1017·5	-1	W'N	3	b	45	65	8	4000	Cu	2	Cu	3	1	
Leafield	1017·4	-1	WNW	3	b+	42	75	8	5700	Cu	2	-	2	*	
Andover	1017·8	0	W'N	4	b+	43	85	6	2500	StCu	2	-	2	1	
S. Farnborough	1017·3	0	WNW	3	b-	45	75	8	2500	Cu	3	-	3	2	
London (Kew Obsy.)	1016·9	-1	WNW	2	bc	43	75	6	2500	Cu	5	-	5	2	
Croydon	1017·2	+1	NW	3	bc	42	75	6	1500	Cu	4	-	4	2	
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Shoeburyness	1015·5	+3	NW	5	c	44	75	7	2500	Cu	7	-	7	*	
Grain	1015·7	+1	NW	5	c	45	75	7	4000	Cu	8	-	8	2	
Lympne	1015·4	0	NNW	4	bc	42	85	5	2500	Cu	6	-	6	2	
Scilly (St. Mary's)	1021·9	0	W	4	bc	49	85	8	4000	StCu	3	CiCu	6	*	
Falmouth (Pendennis)	1021·1	-2	NNW	3	bc-	46	85	8	5700	StCu	6	-	6	*	
Plymouth (Cattewater)	1020·5	-1	NNW	3	0	43	85	7	800	StCu	2	ASt	10	1	
Portland Bill	1018·8	0	NW	3	b+	46	65	7	-	-	0	CiCu	3	*	
Southampton (Calshot)	1018·3	-1	NW	3	b	45	75	7	4000	StCu	1	-	1	2	
Dungeness	1015·4	+1	NW	3	c	43	85	7	4000	Cu	7	-	7	*	
Guernsey	1020·5	-1	NNW	4	bc+	45	75	8	5700	Cu	1	ACu	6	*	

Observations at 1800 G.M.T. 3rd

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1013·3	+2	-	0	b	36	97	7	-	-	0	-	0	0
Stornoway	1012·2	0	-	0	b	32	97	8	-	-	0	-	0	0
Wick	1013·7	+2	WSW	1	b	34	85	8	-	-	0	-	0	0
Castlebay	1013·1	+1	SE	4	b-	45	92	7	2600	Nb	2	-	2	3
Nairn	1014·5	*	-	0	b-	31	85	8	4000	Cu	2	-	2	*
Aberdeen	1015·3	+3	WNW	3	b	34	92	6	-	-	0	-	0	0
Malin Head	1011·2	-1	SE'S	4	0	42	97	8	5700	Nb	3	ASt	9	2
Renfrew	1015·6	+1	-	0	bf	31	97	2	-	-	0	-	0	*
Edinburgh (Inchkeith)	1015·2	+2	WSW	1	bm-	37	97	4	*	-	0	-	0	0
Leuchars	1014·5	+3	W	2	b	33	92	7	-	-	0	Ci	1	*
Eskdalemuir	1016·4	+2	S	1	c-	34	97	8	2500	StCu	8	-	8	*
Tynemouth	1013·3	+3	W	1	b	37	92	6	-	-	0	-	0	0
Blacksod Point	1013·1	0	NW'W	5	ffo	50	97	3	*	*	*	*	10	5
Donaghadee	1015·5	0	SW	2	o+	41	97	8	-	-	0	ASt	10	0
Birr Castle	1013·2	*	W	2	oR-	43	97	6	2500	Nb	10	-	10	*
Holyhead	1016·2	-1	S'E	2	orS	43	97	6	1500	Nb	10	-	10	0
Liverpool (Bidston)	1016·7	+1	W'S	2	o+	41	92	8	2500	CuNb	8	CiCu	9	3
Chester (Shotwick)	1016·6	+0	-	0	0	40	92	5	1500	StCu	10	-	10	*
Spurn Head	1015·6	+3	WNW	3	b	37	97	6	-	-	0	-	0	2
Birmingham (Edgbaston)	1017·3	0	W	1	bf+	38	85	1	2500	StCu	4	-	4	*
Nottingham	1016·9	+2	W	2	bf	41	85	3	-	-	0	-	0	*
Cranwell	1016·7	+1	WNW	3	b	35	92	5	-	-	0	-	0	*
Gorleston	1015·9	+1	WNW	3	b	37	92	6	-	-	0	-	0	0
Valencia (Cahirciveen)	1018·0	+2	WSW	4	0/r	51	92	7	1500	St	10	-	10	6
Roches Point	1015·8	0	WSW	3	orS	49	97	7	2500	Nb	10	-	10	3
Pembroke (St. Ann's H.)	1015·7	-2	SSW	4	orr	46	97	6	1500	Nb	10	-	10	4
Ross-on-Wye	1017·5	0	SW	2	orS	41	85	8	2500	Nb	10	-	10	*
Leafield	1018·1	0	WSW	2	0	36	85	8	-	-	0	ASt	10	*
Andover	1018·2	0	W	3	c+	35	97	6	2500	StCu	8	-	8	*
S. Farnborough	1018·0	+1	W	1	b-	36	97	8	2500	StCu	2	-	2	*
London (Kew Obsy.)	1017·7	+1	SW'W	1	b	39	85	5	-	-	0	-	0	*
Croydon	1018·2	+2	W'S	2	b	38	85	5	-	-	0	-	0	*
Clacton-on-Sea	1016·4	+2	WNW	3	bc	40	85	6	4000	StCu	4	-	4	0
Shoeburyness	1017·0	+3	NW	2	b-	38	75	7	4000	Cu	2	-	2	*
Grain	1017·2	+2	W	3	b-	35	92	7	2500	St	1	-	1	0
Lympne	1017·3	+2	NW'N	3	c	37	85	5	2500	St	7	-	7	*
Scilly (St. Mary's)	1020·7	-1	W	5	orS	47	97	6	2500	Nb	10	-	10	5
Falmouth (Pendennis)	1019·1	-1	W	4	or+	45	92	7	4000	Nb	10	-	10	0
Plymouth (Cattewater)	1019·5	-1	WNW	1	or	45	92	8	800	Nb	10	-	10	0
Portland Bill	1018·3	+1	NW	3	orS	45	85	7	2500	Nb	10	-	10	2
Southampton (Calshot)	1019·1	+1	W'S	2	bc	37	85	7	-	-	0	ACu	4	0
Dungeness	1017·1	+2	NW	3	bc	38	92	8	-	-	0	ACu	4	3
Guernsey	1020·0	+1	WNW	3	or	45	87	8	4000	Cu	2	ASt	9	0

London Observations

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 0h. G.M.T. %	Visibility 9h.
		24 hours ended 0900 G.M.T. 4th.								Yesterday.		To-day.	
Kew } 24 hours ended 0700	18	cmbc	bcbiz	bFoFz	*	*	22	Lr	-	4·3	*	*	0
Croydon } 24 hours ended 0700	244	ombcz	bcbzm	owbxf	*	*	21	-	-	3·8			1
Greenwich (Royal Obsy.)	149	oc	bcb	bmxo	43	26	20	-	-	1·2	80	95	1
City (Bunhill Row)	89	*	*	*	*	*	*	*	*	1·4	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	45	29	23	-	-	3·2	77	92	*
Regent's Pk. (Botanic Gdns).	56	*	*	*	*	*	*	*	*	3·7	*	*	*
Camden Square	116	obbc	cb	*	45	28	25	-	-	*	*	90	*
Kensington Palace	80	occ	bcb	*	44	29	24	-	-	*	At 18h 84	87	*
Hampstead Observatory	450	*	*	*	42	28	18	-	Lr	4·6		98	*

Atmospheric Pollution

Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 3rd.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.
0·4	18h. 7min	0·3	3h. 3min
0·5	10h. 3min		

Pole Star Record at Greenwich Obsy.

Exposure from 3rd 17h.00m. to 4th 07h.00m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	14 00	12 17	88
δ Ursæ Minoris	14 00	5 58	43

Code for State of Ground.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 min.	Strength.	Direc.
13h.	C	6	-	125°
16h.	C	6	-	120°
01h.	C	5	-	105°
07h.	C	5	-	130°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

4th, 5th January, 1924

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·5	11·58	3·50
	8·5	11·58	3·51
Greenwich	8·8	12·5	4·2
	8·7	12·5	4·3
Wick	9·3	12·17	3·30
	9·2	12·17	3·32
Valencia	8·50	12·46	4·41
	8·50	12·46	4·42

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally r rain. s snow.
sg 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

Symbols.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.

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; - = "decreasing"; + = "increasing."

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Sea Disturbance.

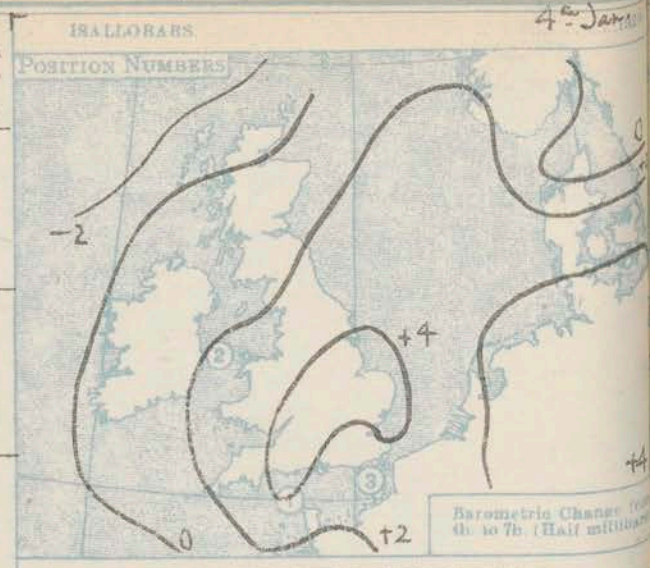
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 3rd	13h.-18h. 3rd	18h. 3rd to 1h. 4th	1h.-7h. 4th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 3rd Hours.
Lerwick	b	b	b	opr	43	35	•	–	0.5	–	0330	4.0
Stornoway	b-bc	b-bc	c	p	43	31	•	–	0.4	–	–	1.9
Wick	b-bc	b-bc	b-bc	b-bc	39	32	•	–	–	–	–	•
Castlebay	bc	cb	bo	odd	46	44	•	–	0.5	–	–	2.3
Nairn	bx	bx	bxbcc	cg	38	27	•	–	–	–	–	5.4
Aberdeen	b	bbx	bxm	bxm	40	29	22	–	–	–	–	5.5
Malin Head	bcco	co	coe	odpdp	45	41	•	–	1	–	0130	0.0
Renfrew	bxbmc	cbcmbf	bF	bFof	43	25	21	Trace	–	–	–	3.8
Edinburgh (Inchkeith)	m	bmm	mf	ffm	40	?	•	Trace	Trace	–	–	4.2
Leuchars	b	b-bc	bx	bxbcm	41	26	13	–	–	–	–	6.3
Eskdalemuir	bcxc	oo	coxm	ocbcbm	39	24	24	–	–	–	–	0.0
Tynemouth	b-bcm	b-bcm	b-bcm	bFF	43	28	27	–	–	–	–	•
Blacksod Point ...	oo	DD	r-d	r-d	50	45	•	4	3	–	–	•
Donaghadee	bpc	o	od	od	41	40	•	–	0.4	–	<2100	•
Birr Castle	ocro	oRR	orr	co	49	47	43	10	2	0900	<2100	0.0
Holyhead	bcco	prr	orob	b bv	45	40	33	1	0.1	13.30	<2100	1.5
Liverpool (Bidston) ...	b-bc	bco		m	46	34	30	–	–	–	–	3.6
Chester (Shotwick) ...	bcmbc	com	ombf	bcfofx	46	~~26~~ 31	26	–	–	–	–	3.8
Spurn Head	c	b-bc	bwbxc	c	40	34	•	–	–	–	–	5.2
Birmingham (Edgbaston)	bbc	bcmf	bFF	bfoFFx	44	28	17	–	–	–	–	4.7
Nottingham	b-bc	b-bc	bmF	f	44	28	26	–	–	–	–	2.2
Cranwell	b-bc	bm	bx	bmxf	43	25	21	–	–	–	–	5.0
Gorleston	oq	ocbcb	bcc	codgd	43	34	30	–	0.5	–	0230	0.0
Valencia (Cahirciveen)	or	oro	odgo	o	51	49	46	5	trace	<0800	<2100	0.0
Roches Point	orr	rr	dob	bo	50	46	•	2	1	0900	<2100	
Pembroke (St. Ann's H.)	c	r-d	r-d	r-d	46	43	•	4	4	15.30	c ?	•
Ross-on-Wye	bbc	bco	rodd	ffe	45	36	35	0.2	1	17.30	<2100	5.1
Leafield	bcb	bc	bcb	bx	42	29	21	–	–	–	–	6.5
Andover	bm	bbcc	coorro	cbcbfx	45	30	19	–	1	–	<2100	6.7
S. Farnborough ...	bccb	bbc		ofx	45	21	17	–	–	–	–	5.7
London (Kew Obsy.) ...	cmbc	bcbiz	bmxbfx	bfxofx	45	26	22	Trace	–	–	–	4.3
Croydon	ombcz	bcbzm	bmw	bcmf	43	27	21	–	–	–	–	3.8
Clacton-on-Sea ...	ogc	cbcm	bcm	bcxogm	44	32	29	–	–	–	–	0.3
Shoeburyness ...	c	bbcb	bbc	cox	45	30	25	–	–	–	–	1.9
Grain	omc	cbcb	bmx	bmofx	45	26	19	–	–	–	–	2.6
Lympne	obcb	bcbm	cbmx	bcofm	43	29	18	–	trace	–	–	2.8
Scilly (St. Mary's) ...	cp	oprr	omrq	omr	49	47	•	0.6	2	11.00	<2100	1.9
Falmouth (Pendennis)	bcc	bcbor	oromd	oD	47	45	•	Trace	4	15.30	<2100	0.9
Plymouth (Cattewater)	bmo	or	or	or	47	43	42	0.2	3	16.30	<2100	0.6
Portland Bill	b-bc	r-d	r-d	r-d	46	42	•	Trace	4	17.30	<2100	•
Southampton (Calshot)	bb	bbc	corrr	ocbcb	45	35	30	–	0.6	–	2200	6.5
Dungeness	c	c	bx	bcxm	44	28	•	–	–	–	–	•
Guernsey	bbcb	bcc	ofro	orrqr	48	42	•	–	16	–	<2100	•



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
1	3rd 1200	Ibex	NNW	4	o	50	47
3	4th 0200	"Dieppe"	NW	1	b	47	44

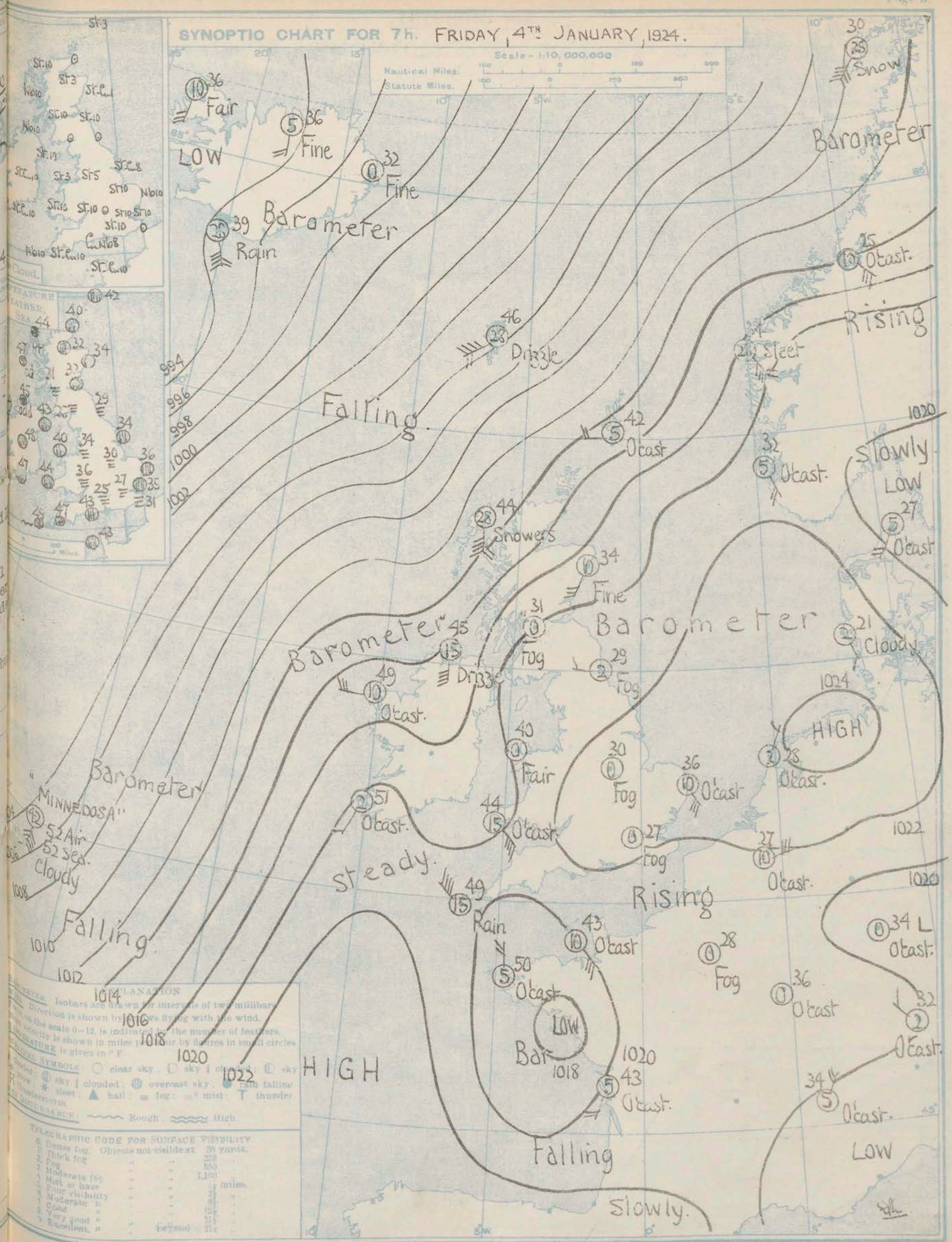
GENERAL INFERENCE.

A depression is approaching Iceland from Southwest, and a secondary trough is situated westward of Ireland. Winds will be mainly S. or SW., strong at times in the W. and NW., where occasional rain or drizzle will occur, with a moderate or rather mild temperature. The remainder of the Kingdom will experience fair, cold conditions at first with, however, fog in places, there is a risk of rain or drizzle later.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 4th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind indefinite or southerly, light or moderate; fair at first apart from fog in places, risk of drizzle later; cold.	None issued. -----
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind light, indefinite, then S. or S.W., moderate or fresh; mainly cloudy or dull, occasional rain or drizzle; misty, fog locally; moderate temperature.	
9. N. Midlands 10. N.E. England	As 1 - 4.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man	As 5 - 8.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind S. or SW., moderate, increasing to strong or high; a good deal of cloud, some rain or drizzle; rather mild.	
18. N.E. Ireland 19. S.E. Ireland	As 5 - 8.	
20. S.W. Ireland	As 14 - 17.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1000 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Friday 4th January 1924. No. 4

Observations at 0100 G.M.T. 4th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1015.6	+1	-	0	b	38	92	7	-	-	0	asc	1
Stornoway	51	1014.0	*	-	0	b	*	*	5	*	*	*	*	*
Wick	81	1015.6	+1	SSW	1	b	34	97	8	5700	cu	1	-	1
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1014.5	+2	S	4	odd	44	97	7	4000	Nb	10	-	10
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1017.6	+2	WSW	1	Fo+	33	97	0	*	Sc	10	-	10
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1013.8	+3	SW	1	b	31	92	5	-	-	0	- -	0
Blacksod Point ...	10	1016.3	0	W	2	o	49	97	3	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1015+	+1	E'S	2	b	42	92	3	-	-	0	-	0
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1018.8	+2	NNW	2	b	35	97	5	-	-	0	-	0
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1019.5	+3	NNW	1	b	30	97	5	-	-	0	-	0
Gorleston	13	1018+	+1	NW	2	c+	35	92	6	-	-	0	asc	7
Valencia (Cahirciveen)	30	1020.1	+2	SW	4	oc+	50	92	8	-	Sc	5	-	5
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1015.5	+1	SE	3	oD	45	97	3	1150	Nb	10	-	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	239	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	32	*	*	*	*	*	*	*
Croydon	244	1019.3	+1	SSW	1	b	32	97	5	-	-	0	-	0
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1019.1	+2	NW	3	b	31	85	4	-	-	0	-	0
Scilly (St. Mary's) ...	131	1019.2	0	NW	5	ogc	49	97	7	4000	Nb	10	-	10
Falmouth (Pendennis)	200	1017.6	-2	NW	4	oDD	50	97	6	4000	Nb	10	-	10
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1017.1	-2	ESE	3	orr	43	97	7	2500	Nb	10	-	10
Southampton (Calshot)	12	1018.4	0	SW	1	o/r	40	97	8	1500	Sc	10	-	10
Dungeness	21	1018.7	+1	N	3	b	32	92	7	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 4th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	1015.0	0	W	2	o	42	95	6	4000	Nb	3	asc	10
Stornoway	1013.3	-1	S	6	opr	44	97	7	450	Sc	10	-	10
Wick	1014.3	-1	SSW	3	c+	40	92	8	-	-	0	cu	7
Castlebay	1014.8	0	-	0	odd	47	97	6	1500	Nb	10	-	10
Nairn	1015.8	*	-	0	c+	32	85	8	1500	Sc	3	asc	8
Aberdeen	1018.3	+1	SSW	3	b	34	92	6	5700	Scu	1	-	1
Malin Head	1016.2	+1	S	4	odd	45	97	7	4000	Nb	10	-	10
Renfrew	1020.0	+2	-	0	ffo	31	97	3	1500	Sc	10	-	10
Edinburgh (Inchkeith)	1019.0	+2	-	0	nb-	32	97	4	*	-	0	-	0
Leuchars	1019.5	+3	-	0	b	28	97	6	-	-	0	Ci	1
Eskdalemuir	1021.4	+1	-	0	ffb	26	97	3	-	-	0	-	0
Tynemouth	1021.0	+2	W	1	ffb	29	97	0	-	-	0	-	0
Blacksod Point ...	1017.1	0	W	3	o	49	97	2	*	*	*	*	10
Donaghadee	1018.9	+1	S	2	o+	43	92	8	800	Sc	10	-	10
Birr Castle	1018.7	*	SW	1	o	48	97	5	2500	Scu	10	-	10
Holyhead	1020.1	+3	-	0	bc+	40	97	9	1500	Sc	3	asc	5
Liverpool (Bidston) ...	1020.8	+2	E'S	2	nb-	34	97	4	800	Sc	5	-	5
Chester (Shotwick) ...	1021.1	+3	SSE	2	Fo+	33	97	2	800	Sc	10	-	10
Spurn Head	1022.2	+4	WNW	2	c	34	97	5	4000	Scu	8	-	8
Birmingham (Edgbaston)	1022.7	+3	SE	2	ffo	29	97	0	4150	Sc	10	-	10
Nottingham	1022.9	+4	-	0	ffo	30	97	0	4150	Sc	10	-	10
Cranwell	1022.9	+4	W	2	ffo	25	97	2	-	-	0	-	0
Gorleston	1022.4	+3	SSE	3	o/r	36	92	7	4000	Nb	10	-	10
Valencia (Cahirciveen)	1020.1	0	SSW	1	o	51	92	7	1500	Sc	10	-	10
Roches Point	1019.8	+1	N	1	o	47	97	7	4000	Scu	10	-	10
Pembroke (St. Ann's H.)	1019.6	+3	ESE	4	o/r	44	97	8	1500	Sc	10	-	10
Ross-on-Wye	1021.6	+3	ENE	1	ffo	36	97	1	4150	Sc	10	-	10
Leafield	1022.3	+5	NE	2	b	32	97	6	-	-	0	-	0
Andover	1022.4	+4	ENE	1	fo	30	97	2	-	-	0	-	0
S. Farnborough ...	1022.6	+4	W'S	2	ffo	25	97	1	4150	Sc	10	-	10
London (Kew Obsy.) ...	1022.9	+3	-	0	ffo	27	97	1	450	Sc	10	-	10
Croydon	1022.6	+4	S'W	1	fb+	27	97	3	-	-	0	-	0
Clacton-on-Sea ...	1021.8	+5	NW	2	o+	35	97	5	1500	Sc	10	-	10
Shoeburyness	1022.4	+2	-	0	mno	33	85	4	1500	Sc	10	-	10
Grain	1022.7	+5	-	0	fo+	32	92	3	4150	Sc	10	-	10
Lympne	1023.0	+4	NE	3	fo-	34	92	4	225	Sc	10	-	10
Scilly (St. Mary's) ...	1020.5	+1	NW	4	ogc	49	97	6	4000	Nb	10	-	10
Falmouth (Pendennis)	1020.7	+2	E	5	odd	47	97	6	4000	Scu	10	-	10
Plymouth (Cattewater)	1019.8	+3	E	3	ogc	44	97	8	800	Nb	10	-	8
Portland Bill	1020.1	+4	ESE	3	c-	43	85	7	4000	CuNb	8	-	8
Southampton (Calshot)	1022.3	+5	NNE	1	b	35	92	7	-	-	0	-	0
Dungeness	1021.7	+5	N	2	mb+	31	97	4	-	-	0	-	0
Guernsey	1019.7	0	SE'S	3	o-	43	92	7	2500	Scu	10	-	10

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 3rd

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 2nd-3rd °F.	Temperature. Max. Day. 3rd °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 3rd hr.
Montrose	xbbcc	bmx	33	40	-	-		5.9
Berwick-on-Tweed	zbc	bz	33	45	0.2	-		5.7
Llandudno	b	cber	41	45	-	1		3.5
Colwyn Bay	cb	c	40	45	-	-		2.6
Rhyl	bc	bcc	41	48	0.1	-		4.7
Southport	bbco	bbcm	40	44	0.2	-		4.2
Blackpool	bc	bc	40	46	-	-		4.4
Ilkley	cbcbc	bcbm	36	44	-	-		3.4
Harrogate	b	b	35	47	-	-		5.8
Skegness	bcocb	b	37	43	-	-		5.3
Aberystwyth ...	rcb	o	42	45	1	-		1.5
Bath	mb	bbcm	37	43	1	-		4.1
Leamington Spa ...	bz	bm	37	50	-	-		4.5
Lowestoft	oc	ca	38	43	1	-		0.3
Felixstowe	omu	bcm	41	43	1	-		1.1
Southend	oc	cocxc	33	45	2	-		1.8

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 2nd-3rd °F.	Temperature. Max. Day. 3rd °F.	Rainfall.† Night 17h.-9h. 2nd-3rd mm.	Rainfall.† Day 9h.-17h. 3rd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 3rd hr.
Ilfracombe	bc	bccop	43	47	-	-		1.0
Bude	cp.cc	ccor	44	47	0.1	1		1.6
Torquay	b	poco	38	47	0.2	-		2.5
Weymouth	b	bbcc	37	47	0.3	-		3.3
Bournemouth ...	b	b	38	46	1	-		5.8
Portsmouth (S'thsea)	bmb	b	38	46	2	-		6.2
Littlehampton ...	bc	bc	36	44	1	-		5.8
Worthing	b	b	35	44	2	-		6.2
Brighton	bc	bc	38	45	4	-		4.9
Eastbourne	bcbc	b	40	45	2	-		3.9
Hastings	bccoc	bcbbco	37	44	2	-		4.1
Folkestone	c	c	41	47	-	-		?
Dover	mcoc	mchc	42	44	1	-		3.3
Tunbridge Wells ...	ocb	b	36	44	1	-		3.9
Ramsgate	bc	bcom	39	43	1	-		0.2
Margate	o	o	39	42	1	-		0.1
Deal	c	c	43	40	-	-		0.2

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 8. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22689 Saturday 5th January 1924. Page 1.

Observations at 1300 G.M.T. 4th | Observations at 1800 G.M.T. 4th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1014.2	-1	SW	2	o	43	85	6	3700	StCu	5	CiSt	10	•	1014.3	0	SSW	2	o	44	97	6	2500	St	4	ASt	10	1
Stornoway	1013.9	+1	SSW	3	opr	47	97	6	450	St	10	-	10	•	1012.8	-1	SSW	5	o	?	92	6	450	St	10	-	10	4
Wick	1014.7	0	SSW	2	odg	40	92	8	1500	St	6	ASt	10	•	1014.3	0	SW	3	o	46	92	8	4000	StCu	6	CiSt	10	1
Castlebay	1015.4	0	SW	4	ffo	48	97	3	1500	Nb	10	-	10	•	1015.3	0	SW	4	o/f	48	97	6	1500	St	10	-	10	4
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1016.4	•	-	0	c	45	85	8	1500	St	8	-	8	•
Aberdeen	1017.7	-2	SSW	2	or	39	92	4	4000	StCu	10	-	10	1	1018.0	+1	SW	1	o	39	92	4	-	-	0	ASt	10	0
Malin Head	1017.4	+1	S	4	o	48	92	8	1500	StCu	9	-	9	•	1017.1	+0	SSE	4	o	49	92	7	1500	StCu	10	-	10	2
Renfrew	1020.6	+1	-	0	ffo	35	97	2	1500	St	10	-	10	2	1020.4	0	-	0	of+	39	97	2	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1020.3	-1	WSW	1	mmo	37	92	4	•	St	10	-	10	•	1020.2	0	WSW	1	om+	39	92	6	•	St	10	-	10	0
Leuchars	1019.6	-1	WSW	3	o	37	92	6	1500	St	7	ASt	10	1	1019.4	0	-	0	o	39	97	5	1500	St	7	ASt	10	•
Eskdalemuir	1022.0	0	SSE	2	o	35	97	6	1300	St	10	-	10	1	1022.3	+1	S'E	1	odo	35	97	2	450	Nb	10	-	10	•
Tynemouth	1022.0	0	SW	2	fbc	37	83	3	800	St	3	Ci	5	•	1022.2	0	SW	1	ffo	37	92	3	1500	St	10	-	10	3
Blacksod Point	1017.8	0	SE	4	bc	50	92	8	•	•	•	•	4	•	1016.6	-1	SE	4	o	47	92	7	•	•	•	•	9	5
Donaghadee	1020.1	0	SW	2	o	46	97	8	800	St	10	-	10	•	1019.7	0	SW	2	odo	46	97	5	800	St	10	-	10	2
Birr Castle	1020.6	x	SW	1	c-	50	97	7	4000	StCu	8	-	8	•	1019.3	•	S	1	o+	49	97	6	4000	StCu	7	-	7	•
Holyhead	~~1021.4~~ 1021.4	+1	S	3	odo	44	85	7	1500	St	10	-	10	1	1021.3	+0	S	4	o	44	97	5	450	St	10	-	10	3
Liverpool (Bidston)	1022.3	+1	ESE	2	bc	35	92	4	4000	St	2	Ci	4	•	1022.7	0	SE	1	c	39	97	6	1500	St	5	ACu	7	1
Chester (Shotwick)	1022.8	+1	SE	3	mmo	40	92	4	1300	StCu	5	Ci	8	1	1022.6	0	SE	2	o	39	92	5	2500	StCu	10	-	10	•
Spurn Head	1024.8	0	S	2	fo+	28	92	3	800	St	5	Ci	10	•	1025.2	+1	S	3	FFo	33	97	1	<150	St	10	-	10	2
Birmingham (Edgbaston)	1024.0	0	SSE	2	mo-	37	85	4	~~420~~	~~St~~	6	Ci	1	3	1025.0	+1	S	2	bcff	33	92	3	2500	StCu	4	-	4	•
Nottingham	1024.8	0	SE	1	Fo-	29	97	1	225	St	10	-	10	•	1025.0	0	SW	2	ffo	32	97	2	220	St	10	-	10	•
Cranwell	1025.2	+2	-	0	Fo+	33	97	1	-	-	0	-	0	3	1025.7	+2	S'E	3	ffo	31	97	2	450	St	10	-	10	•
Gorleston	1025.0	+1	SE	4	o	36	85	7	5700	StCu	10	-	10	•	1026.6	+1	SE	4	o	35	85	7	5700	StCu	10	-	10	0
Valencia (Cahirciveen)	1020.3	-1	S	3	c-	50	85	7	1500	St	3	-	8	1	1019.3	0	S'E	3	o+	49	92	7	800	St	6	ASt	10	6
Roches Point	1020.3	0	S	1	o	48	97	7	4000	StCu	10	-	10	•	1020.5	0	SSE	1	o+	48	97	2	<150	St	10	-	10	0
Pembroke (St. Ann's H.)	1021.7	+2	SE	4	o	44	97	8	1500	StCu	10	-	10	•	1022.1	+2	SSW	4	o/r	45	92	7	1500	St	10	-	10	3
Ross-on-Wye	1023.6	+1	E	1	FFo	35	97	1	<150	St	9	-	9	?	1024.5	+1	-	0	oF+	31	97	1	<150	St	10	-	10	•
Leafield	1024.2	-1	SSE	2	b	37	85	5	-	-	0	CiSt	2	•	1025.6	+2	SE	2	oF+	30	97	1	<150	St	10		10	•
Andover	1024.3	+3	-	0	b	42	85	5	-	-	0	-	0	1	1025.7	+1	ENE	2	FFo	30	97	1	<150	St	10	-	10	•
S. Farnborough	1025.3	+2	-	0	FFo	30	97	1	<150	St	10	-	10	3	1026.1	+1	SE'E	2	odo	32	97	3	<150	St	10	-	10	•
London (Kew Obsy.)	1025.4	+1	N	1	FFo	33	92	1	<150	St	10	-	10	1	1026.2	+1	E	2	om+	35	92	4	600	St	10	-	10	•
Croydon	1025.1	+1	ENE	2	mo-	35	97	4	<150	St	10	-	10	2	1026.2	+1	SE'E	2	o	35	92	5	450	St	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1026.4	+1	ESE	3	o	36	85	7	2500	St	10	-	10	1
Shoeburyness	1025.4	+2	SE	1	om	37	85	7	1500	StCu	10	-	10	•	1026.3	+1	SE	1	o+	35	85	7	2500	St	10	-	10	•
Grain	1025.8	+2	ESE	3	o/f	37	92	5	800	St	10	-	10	2	1026.9	+2	SE	2	o	35	85	6	800	St	10	-	10	0
Lympne	1024.8	+2	E	3	o	35	97	5	2500	St	10	-	10	2	1026.1	+2	E	3	o	33	85	6	800	St	10	-	10	•
Scilly (St. Mary's)	1021.4	+2	ESE	3	fo-	49	97	2	2500	Nb	10	-	10	•	1022.0	+1	SE	3	o	47	92	8	4000	StCu	10	-	10	4
Falmouth (Pendennis)														•	1023.8	+1	ESE	4	o	46	85	8	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1022.6	+1	SE	4	o-	46	75	8	2500	StCu	9	-	9	2	1023.5	+1	ESE	2	b-	40	92	8	4000	StCu	1	-	1	0
Portland Bill	1022.6	+4	ESE	3	bc-	46	85	7	4000	Cu	6	-	6	•	1023.3	0	ESE	3	bc	45	75	7	4000	Cu	5	Ci	6	1
Southampton (Calshot)	1024.5	+1	E	3	mo	45	85	4	-	-	0	-	0	2	1025.7	+2	ENE	3	mmo	36	92	4	800	St	10	-	10	0
Dungeness	1024.1	+3	ENE	2	bc	37	97	7	4000	Cu	6	-	6	•	1025.3	+1	ENE	4	o	35	92	8	-	-	0	ASt	10	4
Guernsey	1022.7	+2	SE'E	4	b	43	83	8	5700	Cu	1	-	1	•	1024.0	+2	SE	3	b	41	92	7	-	-	0	Ci	1	4

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 hours ended 0900 G.M.T. 5th)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew (24 hours ended 0700)	18	ofx-fx	ofxofm	ambcwx	•	•	21	0.1	-	0.0	•	•	3
Croydon (24 hours ended 0700)	244	bof f	om	obmowx	•	•	20	0.1	-	0.0	•	•	5
Greenwich (Royal Obsy.)	149	odm	om	obabx	35	26	20	Tr	-	0.0	97	96	7
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	39	31	25	-	-	0.0	93	87	•
Regent's Pk. (Botanic Gdns).	[illegible]	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	fx	f	•	36	29	26	-	-	•	•	96	•
Kensington Palace	80	ofg	of	•	36	28	21	-	-	•	At 18h 100	100	•
Hampstead Observatory	450	•	•	•	35	29	17	0.3	-	0.0		86	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 4th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
0.5	2100 3rd	0.3	1600 4th
1.2	1400 4th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 4th 17 h. 00 m. to 5th 07 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14 00	8 0	57
δ Ursae Minoris	14 00	7 25	53

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C	5	-	130°
18h.	C	5	-	115°
01h.	C	5	-	110°
07h.	C	6	-	125

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

5th - 6th January, 1924

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.5	11.58	3.51
	8.5	11.59	3.52
Greenwich	8.7	12.5	4.3
	8.6	12.6	4.5
Wick	9.2	12.17	3.32
	9.1	12.18	3.34
Valencia	8.50	12.46	4.42
	8.50	12.47	4.43

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

<= { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⦶ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual weather from preceding weather, thus:—bc/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

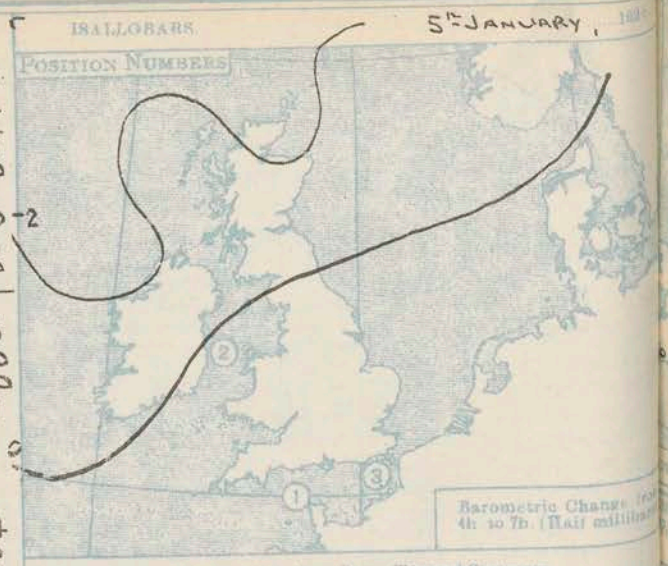
SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 4th	WEATHER. 13h.-18h. 4th	WEATHER. 18h. 4th to 1h. 5th	WEATHER. 1h.-7h. 5th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN 4th Hours.
Lerwick	o	o	o	cw	44	43	•	1	0·1	<0800	-	0·0
Stornoway	p	oo	c	dd	48	41	•	0·3	1	-	-	0·0
Wick	cddd	oo	oo	bbc	46	44	•	Trace	-	1100	-	•
Castlebay	ddof	offo		odp	48	47	•	0·1	0·1	-	-	0·0
Nairn	cdgbc	bccg	co	cg	45	44	•	0·2	-	0900	-	0·3
Aberdeen	bccom	oifm	om	one	39	38	37	—	—	—	-	0·0
Malin Head	mbco	ooe	coe	co	49	46	•	Trace	-	<0800	-	0·2
Renfrew	ofdoff	offdo	ofido	orro	39	39	37	0·2	0·6	<0800	0130	0·0
Edinburgh(Inchkeith)	mmm	ffmm	f-m	oo	39	38	?	0·2	Trace	-	-	0·0
Leuchars	bxoxom	om	omdo	oo	39	37	34	-	0·3	-	2200	0·0
Eskdalemuir	bxfo	oofd	ofdo	odrm	36	34	34	0·1	5	16·30	<2100	0·1
Tynemouth	bcFF	bcff	beff	afm	38	33	33	-	-	-	-	•
Blacksod Point ...	c	c	oo	oo	50	44	•	-	0·5	—		•
Donsghadee	ofd	omd	ofd	o	47	45	•	0·4	0·3	<0800	<2100	•
Birr Castle	co	co	cb	bc	51	44	36	-	-	-	-	0·4
Holyhead	bccov	dDm	dodo	idm	44	42	42	1	0·2	12·30	<2100	0·0
Liverpool (Bidston)...	b-bc	c		oo	41	34	30	-	-	-	-	4·1
Chester (Shotwick) ...	ofbfcf	coom	om	om	41	38	37	—	-	-	-	1·4
Spurn Head	mmo	Ffo	foo	oo	38	32	•	-	-	-	-	1·1
Birmingham(Edgbaston)	f-m	bcmfx	bcofx	offx	39	29	28	-	-	-	-	1·4
Nottingham	F	f-m	fmo	ofo	32	31	30	-	-	-	-	0·0
Cranwell	F	bfbcmf	fbcof	ofo	35	31	30	-	-	-	-	0·9
Gorleston	oo	oo	obx	bx	37	27	23	-	-	-	-	0·3
Valencia (Cahirciveen)	oc	co	ood	oro	52	48	45	-	1	-	<2100	0·9
Roches Point	oo	ofe	feoc	co	49	47	•	Trace	0·1	-	-	•
Pembroke(St.Ann's H.)	oo	oidf	oo	oo	49	44	•	0·3	-	14·30	-	0·0
Ross-on-Wye	FF	cF	ofdbco	off	37	30	29	Trace	0·1	-	-	0·0
Leafield	bnv	fmF	F	f	38	29	28	-	-	-	-	4·3
Andover	bfxbm	bmofx	ofufxom	om	43	29	29	Trace	Trace	-	-	5·8
S. Farnborough ...	oxf	oFofdo	afam	omx	32	25	18	Trace	-	17·30	-	0·0
London (Kew Obsy.)...	ofxofx	ofxofm	ofuoo	obcmx	36	30	21	0·1	-	-	-	0·0
Croydon	bofxf	om	obm	bcomx	36	27	20	0·1	-	-	-	0·0
Clacton-on-Sea ...	og	og	oo	oocbc	38	31	24	—	-	-	-	0·0
Shoeburyness	omxo	oo	ocbcx	bx	38	25	15	-	-	-	-	0·0
Grain	ofxm	omm	obxm	bbxm	37	28	19	-	-	-	-	0·0
Lympne	ofm	om	ocbcb	bmx	36	24	15	Trace	Trace	-	-	0·0
Scilly (St. Mary's) ...	Ofd	om	o	oo	50	45	•	1	-	<0800	-	0·0
Falmouth (Pendennis)		c	c	co	52	45	•	Trace	-	0900	-	0·0
Plymouth(Cattewater)	or	ob	b	b	48	38	33	Trace	-	<0800		1·6
Portland Bill	c	c	bbc	c	47	43	•	—	-	-	-	•
Southampton(Calshot)	bmfo	bfom	omobm	bmom	43	34	32	-	-	-	-	4·9
Dungeness	c	c	bbc	bbc	49	30	•	-	-	-	-	•
Guernsey	cbcb	b-bc	bbc	c	48	40	•	-	-	-	-	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	4th 1000	HIBERNIA	S	5	oeg	45	48.
3	5th 0200	BRIGTON	N	2	bc-	34	47

GENERAL INFERENCE.

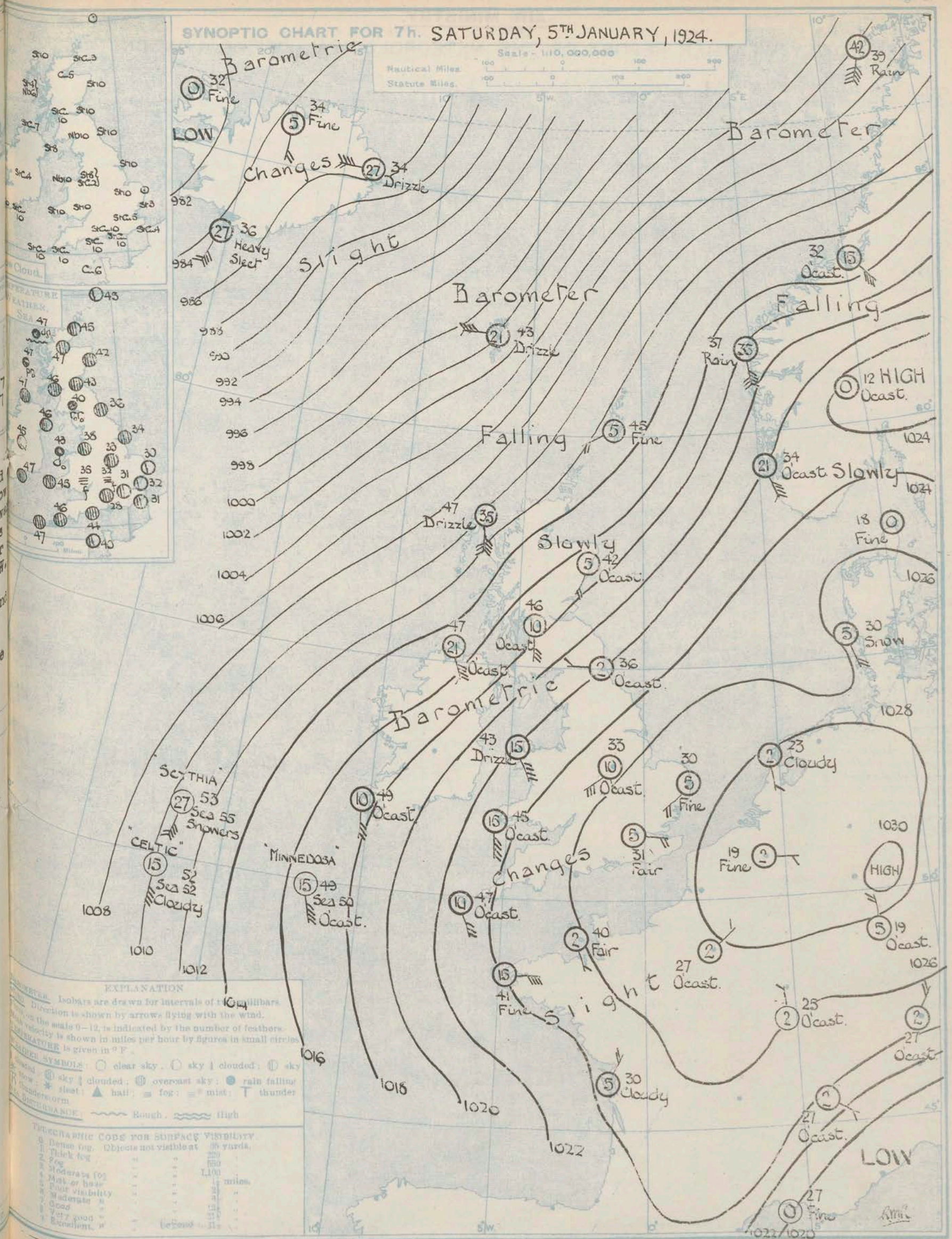
An anticyclone is situated over Holland, and pressure is low in the Iceland region and westward of Ireland. Barometric changes are slight. Winds will be S. or S.E. in the South and S. or S.W. in the North. Weather will be mainly fair or fine over England and mainly dry elsewhere with, however, local drizzle. No important change of temperature is anticipated.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 5th January 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind light or moderate, southeasterly; fair or fine; cold; mist and frost at night.	Settled rather cold weather likely for two or three days in Midlands and S.E. England.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind southerly, light or moderate; fair or cloudy; visibility moderate or good; rather cold, frost locally inland at night.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. or SW., light or moderate, fresh at times; mainly cloudy, local drizzle; visibility moderate or good; moderate temperature.	

MR.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0035 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR 7h. SATURDAY, 5TH JANUARY, 1924.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
Barometric
LOW
Changes
Slight
Barometer
Falling
Slowly
Barometer
Falling
Slowly
Barometric
Changes
Slight
LOW
HIGH
12 HIGH
SCYTHIA
"CELTIC"
"MINNEDOSA"
EXPLANATION
BAROMETER. Isobars are drawn for intervals of 2 millibars.
WIND. Direction is shown by arrows flying with the wind.
Force on the scale 0–12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: clear sky. sky ¼ clouded: sky ½ clouded: sky ¾ clouded: overcast sky: rain falling: snow: sleet: hail: fog: mist: thunder: thunderstorm.
SEA. DISTURBANCE: Rough. High
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0 Dense fog. Objects not visible at 50 yards.
1 Thick fog 200
2 Fog 550
3 Moderate fog 1,100
4 Mist or haze ¼ miles.
5 Poor visibility ½
6 Moderate " 1
7 Good " 2
8 Very good " 5
9 Excellent " Beyond 11
H.M. Stationery Office Press, Kingsway, W.C.2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION..Saturday 5th January.....1924. No...5.....

Observations at 0100 G.M.T....5th.....

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1011.1	+1	SW	1	0	45	97	6	-	-	0	AST	10
Stornoway	51	1011.9	-2	SW	6	0	•	•	5	•	•	•	•	•
Wick	81	1014.0	0	SW	3	bc-	45	97	8	4000	Stcu	4	-	4
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1015.3	-1	SSE	4	0	49	92	8	5700	Stcu	9	-	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1018.7	-1	-	0	o/f	42	92	7	•	St	2	AST	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1022.0	0	WSW	2	fo-	33	97	3	-	-	0	AST	10
Blacksod Point ...	10	1015.3	0	SE	5	0	47	97	3	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1021.1	0	S	4	odo	41	97	6	450	St	10	-	10
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1020.5	0	SSW	4	0	33	97	5	2500	St	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1025.0	0	S	3	o/f	32	97	2	800	St	10	-	10
Gorleston	18	1027.4	0	S'W	2	bl	32	75	7	-	-	0	-	0
Valencia (Cahirciveen)	30	1018.3	0	S	2	obp	49	97	8	-	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Arn's H.)	149	1022.9	0	SSE	4	0	45	85	8	2500	St	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	31	•	•	•	•	•	•	•
Croydon	244	1027.0	0	S	1	b-	30	97	5	-	-	0	-	0
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1026.6	0	E'N	2	b	29	97	7	-	-	0	-	0
Scilly (St. Mary's) ...	131	1022.6	0	SE	3	0	46	92	8	4000	Stcu	10	-	10
Falmouth (Pendennis)	200	1023.3	0	SSE	4	0	45	75	8	4000	Stcu	10	-	10
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1024.6	0	SE	3	b+	45	75	7	4000	Cu	3	-	3
Southampton (Calshot)	12	1026.0	-1	E	4	b-	37	92	6	-	-	0	-	0
Dungeness	21	1026.5	0	E	2	b-	32	92	7	4000	Cu	2	-	2
Guernsey														

Observations at 0700 G.M.T....5th.....

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sec. 0-9
Lerwick	1012.6	-2	SW	2	b	45	85	7	-	-	0	ACu	2	1
Stornoway	1009.2	0	S	7	odd	47	92	6	450	St	10	-	10	6
Wick	1011.5	-3	SSW	4	c+	45	92	8	5700	StCu	3	ACu	7	3
Castlebay	1012.0	-1	SSW	4	obr	47	97	7	1500	Nb	10	-	10	4
Nairn	1012.6	•	W	2	c	47	75	8	4000	Cu	5	ACu	7	3
Aberdeen	1017.0	-1	SSW	2	0	42	97	5	2500	St	10	-	10	3
Malin Head	1014.0	-2	SSE	5	0	47	92	8	5700	StCu	7	CiSt	9	2
Renfrew	1011.0	-1	S	3	o/r	46	92	6	2500	StCu	10	-	10	•
Edinburgh (Inchkeith)	1018.3	-1	SSW	2	0	43	92	8	•	St	10	-	10	1
Leuchars	1018.0	-1	SSW	3	0	43	92	6	-	-	0	ASt	10	•
Eskdalemuir	1020.3	-1	S'W	5	occ	40	97	6	1500	Nb	10	-	10	•
Tynemouth	1021.6	0	W	1	o/f	36	92	4	800	St	10	-	10	0
Blacksod Point ...	1014.0	0	SE	6	obp	48	97	3	•	•	•	•	10	5
Donaghadee	1018.0	0	S	3	c-	46	92	8	800	St	8	-	8	3
Birr Castle	1018.8	•	S	1	bc-	45	92	4	4000	StCu	4	-	4	•
Holyhead	1022.9	0	SSE	4	odo	43	97	5	450	Nb	10	-	10	3
Liverpool (Bidston) ...	1022.8	0	SE	2	0	38	92	7	2500	St	10	-	10	2
Chester (Shotwick) ...	1023.1	0	SE	2	0	38	92	5	1500	St	10	-	10	•
Spurn Head	1025.0	0	SSW	4	0	34	97	5	1500	St	10	-	10	2
Birmingham (Edgbaston)	1025.7	0	SSW	3	od	32	91	2	800	Nb	10	-	10	•
Nottingham	1025.4	0	SW	3	0	33	97	5	1500	St	10	-	10	•
Cranwell	1026.0	0	SWS	3	0	32	97	5	2500	St	10	-	10	•
Gorleston	1027.3	0	SW	2	b+	30	75	7	-	-	0	A.St	1	0
Valencia (Cahirciveen)	1017.4	-1	S	3	0	49	92	6	1500	St	10	-	10	4
Roches Point	1013.5	0	SSE	1	0	47	97	8	4000	StCu	10	-	10	0
Pembroke (St. Arn's H.)	1022.7	0	S	4	0	45	85	8	2500	St	10	-	10	4
Ross-on-Wye	1025.0	0	S	1	fog	35	97	2	220	St	10	-	10	•
Leafield	1026.2	0	SE	2	fog	32	97	2	150	St	10	-	10	•
Andover	1026.4	0	-	0	0	33	97	6	800	StCu	10	-	10	•
S. Farnborough ...	1026.7	0	SE	2	0	28	97	5	2500	StCu	10	-	10	•
London (Kew Obsy.) ...	1027.1	0	E	2	bc-	31	92	5	4000	StCu	5	-	5	•
Croydon	1027.1	0	SSE	1	bc-	29	97	5	2500	StCu	4	-	4	•
Clacton-on-Sea ...	1027.2	0	N	1	b-	32	85	7	2500	St	3	-	3	0
Shoeburyness ...	1027.6	+1	WNW	1	b-	27	75	7	-	-	0	ASt	2	•
Grain	1028.0	0	S	1	b	29	92	5	-	-	0	ASt	1	•
Lympne	1027.1	+1	E	2	b	25	85	6	4000	StCu	2	-	2	•
Scilly (St. Mary's) ...	1022.4	0	S'E	3	0	47	92	8	4000	StCu	10	-	10	4
Falmouth (Pendennis)	1023.5	0	SSE	4	0	46	85	8	5700	StCu	10	-	10	1
Plymouth (Cattewater)	1024.1	0	SSE	3	b+	43	85	8	-	-	0	-	0	0
Portland Bill	1024.6	0	SE	3	o+	44	85	7	4000	StCu	10	-	10	1
Southampton (Calshot)	1026.1	0	E	4	0	37	92	6	2500	StCu	10	-	10	0
Dungeness	1027.2	+1	E	2	bc+	31	92	7	2500	StCu	4	-	4	2
Guernsey	1025.3	0	S'E	1	bc	40	85	7	4000	Cu	6	-	6	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR....4th January.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 3rd-4th °F.	Temperature. Max. Day. 4th °F.	Rainfall.† Night 17h.-9h. 3rd-4th mm.	Rainfall.† Day 9h.-17h. 4th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 4th hr.
Montrose	Nco	om	28	36	-	0.1		0.0
Berwick-on-Tweed	zr bc	bdpro	24	38	-	0.1		1.5
Llandudno	cbbc	o	37	46	0.2	-		1.2
Colwyn Bay	c	c	34	43	-	-		2.3
Rhyl	bcobc	bc	33	49	-	-		3.0
Southport	bbc	bcco	31	38	2	-		3.1
Blackpool	mc	bco	30	43	-	-		1.4
Ilkley	xbcxf	o	21	32	-	-		0.0
Harrogate	b	bmf	27	37	-	-		1.0
Skegness	mxmf	fmb	31	35	0.2	-		0.0
Aberystwyth ...	roc	o	40	43	4	-		0.0
Bath	fmb	mbf	32	35	2	trace		0.4
Leamington Spa ...	mx	ofx	24	33	-	-		0.5
Lowestoft	o	o	38	39	0.3	-		0.0
Felixstowe	og	o	29	37	-	-		0.0
Southend	fog	o	29	37	-	-		0.0
Ilfracombe	bc	bcco	42	49	3	-		1.1
Bude	c	c	43	48	8	-		1.1
Torquay	c	b	44	48	3	-		2.0
Weymouth	bbc	bcc	39	47	4	-		4.3
Bournemouth ...	b	bx	33	44	2	-		5.6
Portsmouth (S'thsea)	bfb	bmu	33	43	0.3	-		5.0
Littlehampton ...	bcbem	of	30	38	-	-		2.4
Worthing	bbc	bc	29	37	-	-		3.5
Brighton	mcbcc	bbcc	28	38	-	-		3.0
Eastbourne	o	co	31	42	-	-		0.9
Hastings	Nofmc	comcbc	34	39	0.1	-		0.2
Folkestone	x	o	33	43	-	-		0.0
Dover	omo	o	33	38	-	-		0.0
Tunbridge Wells ...	of	com	25	37	-	-		0.4
Ramsgate	d	o	34	41	-	-		0.0
Margate	o	o	35	38	-	-		0.0
Deal	o	o	32	38	-	-		0.0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22690 SUNDAY, 6TH JANUARY 1924.

Observations at 1300 G.M.T. 5TH

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1012.4	0	S	2	or	45	92	6	-	-	0	AS	9	•
Stornoway	1010.0	+1	SSW	4	od	48	92	6	450	St	10	-	10	•
Wick	1011.6	-1	SSW	4	o	46	92	9	-	-	0	ACu	10	•
Castlebay	1011.9	0	WSW	5	orr	47	97	6	800	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1016.5	-1	SSW	3	o	45	92	6	2500	StCu	6	ASt	10	2
Malin Head	1014.2	0	SSE	5	o	47	97	8	4000	StCu	9	-	9	•
Renfrew	1018.0	-1	SW	4	o	47	85	7	2500	StCu	10	-	10	2
Edinburgh (Inchkeith)	1017.3	-1	SW	4	o	44	92	8	•	StCu	7	CiSt	9	•
Leuchars	1017.6	-1	SW	2	o	45	92	6	1500	St	10	-	10	1
Eskdalemuir	1020.4	0	S'W	5	orr	39	97	4	4150	Nb	10	-	10	2
Tynemouth	1021.3	-1	SW	1	ff	39	92	3	450	St	10	-	10	•
Blacksod Point	1012.0	-1	SE	5	or	49	92	6	•	•	•	•	10	•
Donaghadee	1018.7	0	W	3	bc	48	85	8	450	StCu	2	ACu	6	•
Birr Castle	1017.9	-	S	3	or	48	88	8	4000	StCu	8	-	8	•
Holyhead	1021.8	-1	SSE	4	o	43	85	6	800	St	10	-	10	2
Liverpool (Bidston)	1022.1	-1	SE	1	o	41	85	6	2500	Nb	10	-	10	•
Chester (Shotwick)	1022.3	-1	SE	2	bc	45	75	6	1500	StCu	3	CiSt	5	1
Spurn Head	1024.8	-1	SW'S	4	o	35	97	5	1500	St	10	-	10	•
Birmingham (Edgbaston)	1024.5	-2	SSW	3	b/f	36	97	5	1500	Cu	1	Ci	3	2
Nottingham	1024.6	-2	SW	2	o	36	97	6	2500	St	4	CiSt	10	•
Cranwell	1025.0	-2	SSW	2	bc	36	92	6	2500	St	1	ACu	5	2
Gorleston	1027.0	0	SSW	3	b	36	75	6	-	-	0	Ci	2	•
Valencia (Cahirciveen)	1016.9	-1	S'E	4	or	49	97	6	800	St	10	-	10	2
Roches Point	1019.2	0	S	4	o	48	97	8	2500	St	10	-	10	•
Pembroke (St. Ann's H.)	1022.3	-1	S	4	or	45	92	7	1500	St	10	-	10	•
Ross-on-Wye	1023.9	-2	SSW	2	o	41	85	6	4000	StCu	10	-	10	1
Leafield														
Andover	1025.7	0	SSE	3	o	38	92	6	2500	StCu	10	-	10	1
S. Farnborough	1026.3	-1	S	2	b	37	92	5	-	-	0	Ci	3	3
London (Kew Obsy.)	1026.5	-3	S	1	b	37	75	5	-	-	0	Ci	1	1
Croydon	1026.5	-2	S'W	3	bc	36	85	6	-	-	0	CiSt	6	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1027.0	0	S	2	b	36	75	7	-	-	0	CiSt	2	•
Grain	1026.4	-3	S	1	b	36	85	5	-	-	0	CiSt	1	2
Lympne	1026.1	-3	SW'S	2	bc	33	85	5	1500	StCu	4	Ci	5	6
Scilly (St. Mary's)	1022.4	+1	SSE	4	o	47	85	8	4000	StCu	10	-	10	•
Falmouth (Pendennis)	1023.7	0	S	4	c	46	85	8	5700	StCu	7	-	7	•
Plymouth (Cattewater)	1024.4	-1	S	4	o	44	75	8	4000	StCu	10	-	10	1
Portland Bill	1025.2	0	SW	2	c	43	75	7	4000	StCu	8	-	8	•
Southampton (Calshot)	1026.3	-2	SE'E	4	bc	40	75	7	2500	StCu	4	Ci	6	6
Dungeness	1027.2	0	SW	2	b	35	85	7	-	-	0	CiCu	3	•
Guernsey	1026.2	-2	SE'E	3	o	37	92	7	2500	StCu	10	-	10	•

Observations at 1800 G.M.T. 5TH

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	¶ Sea.
Lerwick	1012.1	0	SW	1	or†	45	92	6	4000	Nb	10	-	10	0
Stornoway	1009.4	0	SSW	7	or	48	92	6	450	St	10	-	10	6
Wick	1012.0	+1	SSW	3	o	46	92	8	5700	StCu	8	CiSt	10	3
Castlebay	1011.3	0	S	5	o/r	47	97	6	1500	St	10	-	10	5
Nairn	1013.3	•		0	c	47	75	8	1500	StCu	7	-	7	•
Aberdeen	1015.7	-1	S'W	3	o	44	92	5	2500	StCu	10	-	10	0
Malin Head	1012.9	-1	SSE	6	o	48	85	8	4000	StCu	10	-	10	5
Renfrew	1017.5	0	S	5	o	46	92	6	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1017.2	+1	SW	3	bc	44	85	8	•	-	0	ASt	6	1
Leuchars	1016.7	0	SW	4	o	45	85	7	4000	St	7	ASt	9	•
Eskdalemuir	1019.8	-1	S'W	3	od	40	97	4	220	Nb	10	-	10	•
Tynemouth	1020.9	0	-	0	fbc	39	92	3	800	St	5	-	5	0
Blacksod Point	1011.9	-2	SE	5	o	48	92	6	•	•	•	•	10	7
Donaghadee	1017.9	0	S	3	o†	47	92	8	450	St	10	-	10	4
Birr Castle	1016.2	•	S	3	c	47	85	6	4000	StCu	8	-	8	•
Holyhead	1020.2	-1	S	4	od	45	92	6	800	Nb	10	-	10	3
Liverpool (Bidston)	1021.3	-1	SE'S	1	o	40	92	7	1500	St	9	-	9	1
Chester (Shotwick)	1021.9	0	SSE	2	~~bc~~ 0	41	85	5	2500	St	~~6~~ 10	-	~~6~~ 10	•
Spurn Head	1023.9	-2	SSW	4	b	34	97	6	-	-	0	-	0	4
Birmingham (Edgbaston)	1023.8	-1	SSW	3	o	38	92	6	2500	St	10	-	10	•
Nottingham	1023.9	0	W	2	c†	35	97	6	-	-	0	ACu	7	•
Cranwell	1025.5	0	S	3	mbc	32	97	4	7200	-	0	ACu	4	•
Gorleston	1026.7	0	SSW	2	mmb	31	85	5	-	-	0	-	0	0
Valencia (Cahirciveen)	1013.9	-3	SSE	5	od	48	92	6	800	St	10	-	10	6
Roches Point	1017.0	-2	S	5	odd	47	97	6	1500	Nb	10	-	10	6
Pembroke (St. Ann's H.)	1021.1	-1	S	4	o	45	85	8	1500	St	10	-	10	4
Ross-on-Wye	1023.5	0	SSW	3	o	41	85	7	2500	St	10	-	10	•
Leafield	1025.2	0	S'E	3	c†	35	97	4	7200	StCu	7	-	7	•
Andover	1025.3	0	SSE	2	o	36	85	6	2500	StCu	10	-	10	*
S. Farnborough	1026.1	0	S'E	2	b	34	97	5	-	-	0	-	0	•
London (Kew Obsy.)	1026.5	0	S	1	b	33	85	4	-	-	0	-	0	•
Croydon	1026.6	0	SSW	1	b	32	92	4	-	-	0	-	0	•
Clacton-on-Sea	1026.6	0	SSW	2	bc	35	85	6	-	-	0	CiSt	5	0
Shoeburyness	1026.9	0	SSW	1	b	28	75	7	-	-	0	-	0	•
Grain	1027.2	+1	SSE	2	b	31	92	4	-	-	0	Ci	1	0
Lympne	1027.3	+1	S	2	c	31	85	5	800	St	5	ASt	7	•
Scilly (St. Mary's)	1021.6	7	S'E	4	o	47	85	8	4000	StCu	10	-	10	4
Falmouth (Pendennis)	1022.6	0	S	4	bc	45	85	8	5700	StCu	5	-	5	1
Plymouth (Cattewater)	1023.8	0	SE	3	o	43	85	8	4000	StCu	10	-	10	0
Portland Bill	1024.6	0	SW	3	o†	43	85	7	4000	StCu	10	-	10	1
Southampton (Calshot)	1026.3	+1	SE'S	3	b	38	85	7	2500	StCu	2	-	2	0
Dungeness	1026.7	0	SSE	3	bc	34	92	7	4000	StCu	4	-	4	2
Guernsey	1025.6	0	ESE	3	o	36	92	7	2500	StCu	10	-	10	1

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 0900 G.M.T.)	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. (Yesterday.)	Humidity. 15h. G.M.T. % (Yesterday.)	Humidity. 9h. G.M.T. % (To-day.)	Visibility. 9h.
Kew } 24 hours ended 0700	18	bfxbz	bzm	cxbxmx	•	•	23	Tr	-	5.1	•	•	
Croydon } 24 hours ended 0700	244	obmx	cbmx	bmxobx	•	•	19	-	-	6.0	•	•	
Greenwich (Royal Obsy.)	149	b	bc	bcbobx	34	24	19	-	-	4.9	86	82	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.3	78	91	•
Westminster (St. James' Pk.)	27	•	•	•	38	31	26	-	-	0.3	•	•	•
Regent's Pk. (Botanic Gdns.)	[illegible]	•	•	•	37	30	26	•	•	•	•	94	•
Camden Square	110	xf	f	•	•	•	•			•	•	100	•
Kensington Palace	80	bc	bcb	•	39	32	22	-	-	0.3	(At 1d) 99		•
Hampstead Observatory	450	•	•	•	•	•	•			•	•	•	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from ....h....m. to ....h....m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	1400	7.00	50
δ Ursæ Minoris	1400	6.25	46

CODE FOR STATE OF GROUND.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground (frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1500 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h	C	5	-	115
18h	C	5	-	120
01h	C	5	-	125
07h	C	6	-	150

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

SUN. 6TH JANUARY, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.5 / 8.4	11.59 / 11.59	3.52 / 3.54
Greenwich	8.6 / 8.6	12.6 / 12.6	4.5 / 4.6
Wick	9.1 / 9.0	12.18 / 12.18	3.34 / 3.36
Valencia	8.50 / 8.49	12.47 / 12.47	4.43 / 4.44

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.
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; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

[1] For explanation see Introduction.

* Information for these columns not usually received.

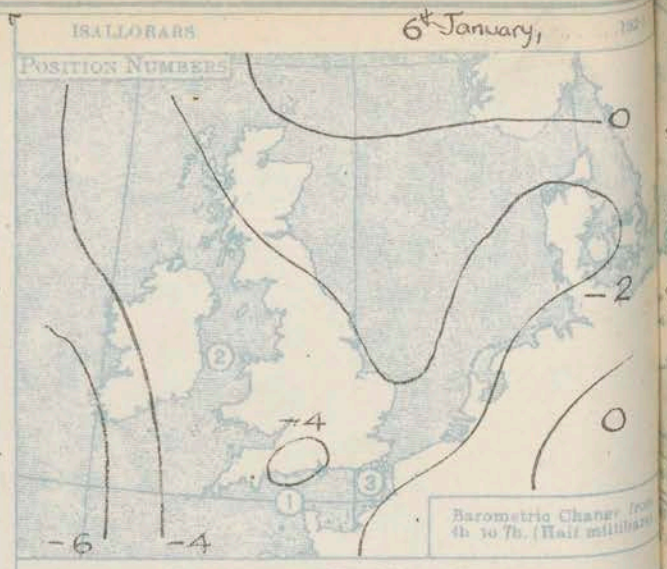
‡ The barometric change is expressed in half millibars.

¶ For code see page 3

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 5th	13h.-18h. 5th	18h. 5th to 1h. 6th	1h.-7h. 6th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 5th Hours.
Lerwick	cm	omd	o	bc	46	43	•	Trace	1	1430	<2100	0.0
Stornoway	cdd	rr	c	oo	48	44	•	3	0.6	<0800	-	0.0
Wick	o	o	c	c	44	41	•	–	-	–	-	•
Castlebay	oprr	rro	cbc	bco	48	44	•	0.6	-	–	-	0.0
Nairn	cbc	bcgc	cg	cg	49	42	•	–	-	–	-	0.8
Aberdeen	om	om	omir	omo	45	43	41	–	1	–	2200	0.0
Malin Head	cop	co	r.co	co	49	43		Trace	0.2	11.30	<2100	0.0
Renfrew	o	od.oq	oo	oo	48	43	40	Trace	-	–	-	0.0
Edinburgh (Inchkeith)	o	c	c	c	45	42	•	–	-	–	-	0.1
Leuchars	ooid	o	co	co	45	42	38	Trace	-	11.30	-	0.0
Eskdalemuir	or.fm	odmcm	ofd.m	om	40	34	34	3	1	<0800	<2100	0.0
Tynemouth	mff	off	bbcm	bm	42	36	*	–	-	–	-	•
Blacksod Point ...	r-d.	r-d	r.d	c	45	32	•	0.5	-	–	-	•
Donaghadee	c	o	o	o	49	45	•	–	-	–	-	•
Birr Castle	bcco	co		co	48	45	42	–	-	–	-	0.3
Holyhead	d.mo	oom	omd.mobo	oo	45	40	38	0.1	Trace	<0800	<2100	0.0
Liverpool (Bidston) ...	o	bc	cb		43	34	30	–	-	–	-	0.5
Chester (Shotwick) ...	obcm	bcom	ocom	cgbco	46	35	30	–	-	–	-	2.5
Spurn Head	o	c	beco	oo	36	33	•	–	-	–	-	0.0
Birmingham (Edgbaston)	offb	bco	oo	oo	33	33	32	0.2	-	0900	-	1.6
Nottingham	o	oc	co	oo	37	34	32	–	-	–	-	0.0
Cranwell	oc	c	bbc	bxbco	38	29	26	–	-	–	-	1.9
Gorleston	bbcb	bmx	bbc	bcmox	36	29	24	–	-	–	-	5.0
Valencia (Cahirciveen)	oi.o	oima	odg	oid	49	44	45	1	1	0300	<2100	0.0
Roches Point	oco	odd	d.d	r.d	50	44	•	1	0.3	1630	<2100	•
Pembroke (St. Ann's H.)	opd	o	oo	oo	46	41	•	0.4	-	<0800	-	0.0
Ross-on-Wye	omcom	oco		oo	42	36	34	–	-	–	-	0.1
Leafield	offco	ocbco	ogc	ogc	35	32	30	–	-	–	-	0.3
Andover	omo	oo	oopm	om	38	34	31	–	-	–	-	0.0
S. Farnborough ...	ocbmm	bbcomm	bm	bmx	38	34	20	–	-	–	-	4.3
London (Kew Obsy.) ...	bbfxbz	bzbzm	cmxbmx	bgmx	38	30	23	Trace	-	–	-	5.1
Croydon	obmx	cbmmx	bmxo	obmx	37	29	19	–	-	–	-	6.0
Clacton-on-Sea ...	bcz	bczm	bcbmx	bmx	36	33	29	–	-	–	-	3.3
Shoeburyness ...	bxbm	bbc		bbc	36	24	16	–	-	–	-	3.3
Grain	bbxm	bmb	bx	bx	36	29	18	0.2	-	–	-	4.0
Lympne	bcbcm	cmx	cbcb	bmx	34	28	19	–	Trace	–	-	2.3
Scilly (St. Mary's) ...	o	o	o	ocbc	48	44	•	–	-	–	-	0.0
Falmouth (Pendennis)	c	cbc	c	cobcg	44	40	•	–	-	–	-	0.6
Plymouth (Cattewater)	boco	oo	ob	b	45	39	36	–	-	–	-	1.4
Portland Bill	c	c	c	c	45	38	•	–	-	–	-	•
Southampton (Calshot)	owcbc	bcb	bcgo	f	41	34	31	–	-	–	-	2.9
Dungeness	bbc	bbc	bbc	bbc	35	34	•	–	-	–	-	•
Guernsey	o	o	ocbc	bcb	41	34	•	–	-	–	-	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	
2	5th 1000	HIBERNIA	S	6	od	44	48	5
1	" 1200	IBEX	SE	2	co	42	40	4
[illegible]	6th 0200	DIEPPE	S	1	b	34	44	4

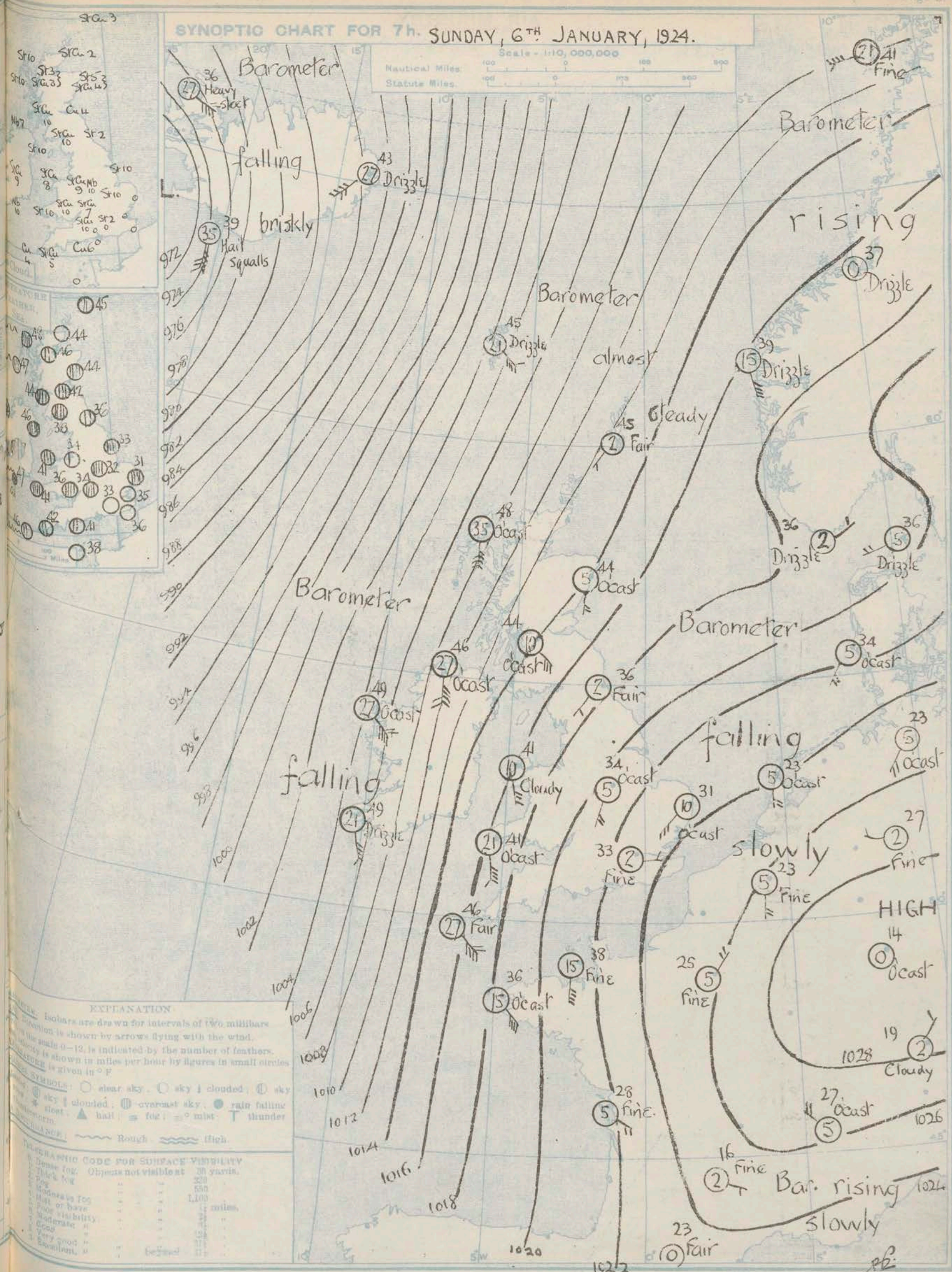
GENERAL INFERENCE.

A deep depression is centred west of Iceland, and a secondary west of Ireland both moving eastward. Winds will be mainly southerly strong to gale on the Western Seaboard. Weather will be mainly fair over England at first, becoming overcast generally with rain spreading in from the West.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 6th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind between S.E. and S., light or moderate, freshening; fair, becoming mainly overcast and rain probable later; mist in places; temperature cold to moderate.	Unsettled. -----
5. S.W. England 6. South Wales	Fresh to strong S.E. to Southerly winds, veering later; cloudy to dull, some rain; visibility moderate at times; moderate temperature to rather mild.	
7. North Wales 8. N.W. England 9. N. Midlands	Moderate to fresh or strong southerly winds; cloudy to overcast, some rain; visibility moderate or good; temperature moderate.	South Cone hoisted at 1940 5/1/24.
10. N.E. England 11. E. Scotland	Wind light and variable, becoming southerly and freshening; fair to mainly overcast with rain probable later; mist in places; temperature cold to moderate.	
12. S.W. Scotland 13. Isle of Man	As for 7 - 9.	
14. N. & N.W. Scotland 15. Hebrides	Winds between S.S.E. and S.S.W., strong to gale; dull, some rain; visibility moderate at times; temperature moderate to rather mild.	
16. Orkneys and Shetlands	As for 10 - 11.	
17. N.W. Ireland 18. N.E. Ireland	Southerly winds, strong to gale, veering to S.W.; dull, rain; visibility moderate; temperature rather mild.	
19. S.E. Ireland	As for 5 - 6.	
20. S.W. Ireland	As for 17 - 18.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 GMT. G. C. SIMPSON, F.R.S. Director.

† For Code see opposite page.



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

M.O. Form 2301

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. SUNDAY, 6TH JANUARY 1924. No. 6

Observations at 0100 G.M.T. 6th

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10
Lerwick	54	1012.4	0	SW	1	bc	45	92	4	-	•	0	ASt	4
Stornoway	51	1009.5	-1	SW	5	co	•	•	5	•	•	•	•	•
Wick	81	1012.0	0	SSW	2	c	45	92	9	5400	StCu	4	ACu	4
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1010.5	-1	SSE	6	bc	43	92	8	5400	StCu	6	-	6
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1016.6	-2	SW	2	bc	45	92	8	•	StCu	6	-	6
Leuchars	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1019.5	-1	SW	1	b	38	92	4	-	-	0	-	0
Blacksod Point ...	10	1004.8	-2	SE	4	opr	44	45	5	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1018.3	-2	S'E	6	o	44	~~94~~ 85	4	1500	St	10	-	10
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1022.8	-1	SSW	4	o	35	94	6	2500	St	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1023.5	-2	SSW	3	b	33	92	6	-	-	0	-	0
Gorleston	13	1025.5	-1	SW	3	b	31	85	5	-	-	0	-	0
Valencia (Cahirciveen)	30	1009.2	-6	SE	6	od+	49	92	4	÷	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1019.2	-1	SSE	5	o	43	85	8	1500	St	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	239	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	34	•	•	•	•	•	•	•
Croydon	244	1025.0	-2	SSW	2	o+	33	92	6	2500	St	10	-	10
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1025.4	-2	SSW	3	b	32	92	6	-	-	0	-	0
Scilly (St. Mary's) ...	131	1019.4	-2	S'E	5	o	45	92	4	4000	StCu	10	-	10
Falmouth (Pendennis)	200	1021.4	-1	S	5	o+	42	85	8	5400	StCu	9	.	9
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1022.8	-2	SE	3	o+	40	45	4	4000	StCu	10	-	10
Southampton (Calshot)	12	1024.4	-2	SSE	4	cj	36	85	8	1500	St	8	-	8
Dungeness	21	1025.9	-1	S	4	b	35	92	4	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 6th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form	Cloud Total Amt. 0-10
Lerwick	1012.0	0	SW	1	bc	45	94	4	5400	StCu	3	ASt	6
Stornoway	1006.8	-2	S	4	o,	48	45	4	800	St	10	-	10
Wick	1010.5	0	SSW	1	b	44	92	8	5400	StCu	2	-	2
Castlebay	1004.2	-1	SE	5	o	44	92	4	1500	St	10	-	10
Nairn	1010.2	•	SW	1	bc	46	45	8	1500	St	6	-	6
Aberdeen	1012.4	-1	S	2	o	44	92	4	1500	St	9	-	9
Malin Head	1004.1	-3	S	6	o	46	92	8	4000	Nb	4	ASt	10
Renfrew	1017.1	-2	SE	3	o	44	85	6	2500	StCu	10	-	10
Edinburgh (Inchkeith)	1014.2	-2	S	2	c	42	92	8	•	Cu	4	ASt	8
Leuchars	1014.2	-1	SSW	2	o	42	85	4	4000	StCu	9	-	9
Eskdalemuir	1016.0	-2	S'E	4	o,	38	92	6	1500	StCu	10	.	10
Tynemouth	1017.5	-3	SW	1	bc+	36	85	6	800	St	2	ACu	5
Blacksod Point	1003.8	-4	SE'S	6	o	49	85	6	•	•	•	•	10
Donaghadee	1013.6	-3	SSW	4	o+	46	85	8	800	St	10	-	10
Birr Castle	1010.8	•	S	5	o+	44	45	6	4000	StCu	9	-	9
Holyhead	1015.9	-2	SSE	~~5~~ 6	cj	41	85	4	4000	StCu	8	-	8
Liverpool (Bidston)	1018.2	1	SE	2	o	34	92	8	2500	St	1	Ci	2
Chester (Shotwick)	1018.6	-4	SSE	3	o+	36	85	4	2500	StCu	9	-	9
Spurn Head	1021.1	-2	SSW	4	o	33	94	6	2500	St	4	-	4
Birmingham (Edgbaston)	1020.4	-2	S	3	o	34	85	4	2500	St	10	-	10
Nottingham	1021.2	-2	SSW	2	o	34	92	8	2500	Nb	10	-	10
Cranwell	1022.0	-2	SSW	3	o	32	85	6	1500	St	10	-	10
Gorleston	1022.8	-1	SW'W	3	o+	31	85	6	-	-	0	ASt	10
Valencia (Cahirciveen)	1004.3	-4	SSE	5	od	48	92	6	800	StCu	10	-	10
Roches Point	1000.0	-3	S	4	or	44	92	6	1500	Nb	10	-	10
Pembroke (St. Ann's H.)	1016.3	-1	SSE	5	o	41	85	4	2500	St	10	-	10
Ross-on-Wye	1019.8	-3	S	3	o	36	85	6	2500	StCu	10	-	10
Leafield	1021.1	-3	SE	2	c	32	85	4	4200	StCu	4	-	4
Andover	1021.6	-3	S'E	3	o,	34	94	6	1500	StCu	10	-	10
S. Farnborough	1022.0	-4	SE	2	b,	30	94	5	-	-	0	-	0
London (Kew Obsy.)	1022.4	-3	E	1	b,	33	85	6	2500	St	2	-	2
Croydon	1022.6	-3	S	2	b	33	92	5	-	-	0	-	0
Clacton-on-Sea	1022.8	-2	S	3	b	35	92	6	-	-	0	-	0
Shoeburyness	1023.4	-1	SSW	1	b,	28	65	4	-	-	0	-	0
Grain	1023.5	-4	SSE	2	b	31	92	~~4~~ 5	-	-	0	-	0
Lympne	1025.1	-2	S	3	b+	34	92	5	800	St	3	-	3
Scilly (St. Mary's)	1015.5	-3	SE'S	6	bc	46	85	4	4000	Cu	4	-	4
Falmouth (Pendennis)	1016.6	-3	S	6	bc+	42	85	8	5400	StCu	5	-	5
Plymouth (Cattewater)													
Portland Bill	1020.0	-4	SE	3	bc	41	45	4	4000	Cu	6	-	6
Southampton (Calshot)	1021.9	-3	SSE	3	b	35	92	6	-	-	0	-	0
Dungeness	1025.3	-2	SSE	3	b,	36	92	4	-	-	0	-	0
Guernsey	1021.1	-2	S	4	b	38	85	4	-	-	0	-	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 5TH JANUARY

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 4th-5th °F.	Temperature Max. Day 5th °F.	Rainfall.† Night 17h.-9h. 4th-5th mm.	Rainfall.† Day 9h.-17h. 5th mm.	Sunshine	Sunshine Sunrise to Sunset 5th hr.
Montrose	cmc	mo	36	45	Trace	–		0.0
Berwick-on-Tweed	d₀cc	c	34	45	0.1	–		0.0
Llandudno	c	cbc	42	48	–	–		1.3
Colwyn Bay	c	c	42	46	–	–		2.8
Rhyl	bc	bc	42	48	–	–		1.2
Southport	o	oco	36	42	–	–		0.0
Blackpool	om	eo	36	41	0.2	–		0.0
Ilkley	omgo	o	25	39	–	–		0.0
Harrogate	f	o	27	38	0.5	–		0.0
Skegness	omocb	b	32	35	–	–		2.8
Aberystwyth	occ	b	38	44	–	–		2.5
Bath	mo	o	30	43	–	–		0.0
Leamington Spa ...	om	cbo	25	39	–	–		3.0
Lowestoft	b	b	?	36	–	–		4.5
Felixstowe	bcz	bm	28	36	–	–		6.2
Southend	xbc	bc	28	39	–	–		3.3

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 4th-5th °F.	Temperature Max. Day 5th °F.	Rainfall.† Night 17h.-9h. 4th-5th mm.	Rainfall.† Day 9h.-17h. 5th mm.	Sunshine	Sunshine Sunrise to Sunset 5th hr.
Ilfracombe	o	o	38	46	–	–		0.0
Bude	occoc	o	35	48	–	–		0.3
Torquay	cbcc.	bcbcc	42	44	–	–		2.1
Weymouth	o	o	41	43	0.2	–		0.0
Bournemouth ...	o	o	36	42	–	–		0.0
Portsmouth (S'thsea)	of	o	33	40	–	–		0.0
Littlehampton ...	bcf	bc	31	40	–	–		2.4
Worthing	bb	cc	29	40	–	–		1.5
Brighton	b	b	29	40	–	–		3.5
Eastbourne	fbbc	bcb	28	38	–	–		1.6
Hastings	xcmbc	bccom	28	36	–	–		3.4
Folkestone	x	c	30	42	–	–		3.0
Dover	cmbc	bc	27	35	–	–		4.1
Tunbridge Wells ...	b	bbm	26	37	–	–		5.0
Ramsgate	bcb	b	30	39	–	–		4.3
Margate	bcb	bbc	29	36	–	–		4.8
Deal	bc	b	27	34	–	–		3.5

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22691 MONDAY, 7TH JANUARY 1924.

Observations at 1300 G.M.T. 6th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1011.8	-1	S	2	0	44	97	6	2500	St	6	A St	10	•
Stornoway	1004.5	-3	S	6	0	49	85	7	800	St	10	/	10	•
Wick	1008.1	-3	S	4	0	44	97	8	-	-	0	Ci St	10	•
Castlebay	1004.7	-3	ESE	6	0	46	97	7	1500	St	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1012.4	-3	S	3	c	43	92	6	1500	St Cu	7	-	7	2
Malin Head	1001.6	-4	SE'S	7	bc-	44	92	7	5700	St Cu	4	Ci Cu	5	•
Renfrew	1012.0	-4	S	4	o/p	43	75	6	2500	St Cu	10	-	10	2
Edinburgh (Inchkeith)	1013.7	-2	SSW	3	c	42	75	6	•	St Cu	7	Ci Cu	8	•
Leuchars	1012.7	-3	SSW	3	o	42	85	7	4000	St Cu	8	Ci St	9	1
Eskdalemuir	1014.5	-2	SSE	3	o	35	85	6	1500	St Cu	10	-	10	1
Tynemouth	1015.8	-3	SSW	2	b-	37	85	4	-	-	0	-	0	•
Blacksod Point	998.2	-6	SE'S	6	c-	50	75	8	•	•	•	•	8	•
Donaghadee	1011.1	-3	S	5	o+	43	85	8	800	St	10	-	10	•
Birr Castle	1003.9	-3	SE	3	o	46	92	7	4000	St Cu	9	-	9	•
Holyhead	1012.0	-4	S'E	5	b-	42	75	7	2500	Cu	8	-	1	1
Liverpool (Bidston)	1014.6	-4	SE	3	bc	37	85	8	4000	Cu	2	Ci St	4	•
Chester (Shotwick)	1015.0	-6	SE	4	b-	41	75	7	1500	St	1	Ci Cu	2	1
Spurn Head	1013.5	-2	S	4	bc	33	97	6	-	-	0	-	0	•
Birmingham (Edgbaston)	1017.7	-3	SSE	3	b	38	75	6	-	-	0	-	0	2
Nottingham	1018.5	-4	SSE	2	b-	36	92	6	-	-	0	-	0	•
Cranwell	1019.4	-4	S'E	3	b-	36	85	6	2500	St Cu	1	-	1	1
Gorleston	1022.2	0	S'W	3	b-	38	92	5	2500	St	2	-	2	•
Valencia (Cahirciveen)	998.6	-7	SSE	5	od	50	85	6	1500	St Cu	10	-	10	2
Roches Point	1003.8	-7	SSE	7	o	48	92	6	800	St	10	-	10	•
Pembroke (St. Ann's H.)	1012.2	-3	SSE	5	c	42	85	8	2500	Cu	7		7	•
Ross-on-Wye	1016.0	-5	SE'S	2	b	43	75	7	-	-	0	-	0	1
Leafield														
Andover	1018.2	-3	SSE	4	b	45	65	7	-	-	0	-	0	1
S. Farnborough	1013.2	-3	SE	3	b	43	75	6	-	-	0	-	0	3
London (Kew Obsy.)	1013.5	-3	S'E	2	b/T	42	75	5	-	-	0	-	0	3
Croydon	1020.6	-3	S	3	b	43	65	6	-	-	0	-	0	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sheeburyness	1021.5	-3	S	4	b	41	75	7	-	-	0	-	0	•
Grain	1021.4	-2	S	4	b	41	75	5	-	-	0	-	0	6
Lympne	1021.4	-3	S	4	b	40	75	6	-	-	0	-	0	1
Scilly (St. Mary's)	1011.1	-3	SE'S	6	c	48	92	7	4000	St Cu	7	-	7	•
Falmouth (Pendennis)	1012.6	-4	S	6	o	45	85	7	5700	St Cu	9	-	9	•
Plymouth (Cattewater)	1014.8	-5	S	5	b	45	75	7	-	-	0	-	0	0
Portland Bill	1016.6	-4	SE	4	b-	46	65	7	-	-	0	-	0	•
Southampton (Calshot)	1013.1	-4	SSE	4	b	45	65	7	-	-	0	-	0	0
Dungeness	1012.3	-2	SSE	3	b	40	85	7	-	-	0	-	0	•
Guernsey	1017.6	-2	S'E	6	b	43	75	8	-	-	0	-	0	•

Observations at 1800 G.M.T. 6th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1010.7	-2	S'E	3	o	45	85	6	-	-	0	A St	10	2
Stornoway	1002.2	-3	S	7	o	45	75	7	800	Nb	1	-	10	1
Wick	1008.7	-2	S	5	b-	42	92	8	-	-	0	Ci St	2	3
Castlebay	1001.7	-2	ESE	6	o	45	85	6	1500	St	10	-	10	7
Nairn	1004.1	•	SW	3	bc	39	75	8	1500	St	5	-	5	•
Aberdeen	1010.4	-1	S	3	o+	41	92	6	4000	St Cu	9	-	9	0
Malin Head	1000.9	0	SE'S	7	od	43	92	7	4000	Nb	8	A St	9	5
Renfrew	1009.8	-4	ENE	2	bc-	36	85	6	4000	St Cu	4	-	4	•
Edinburgh (Inchkeith)	1010.0	-3	S	2	b	37	85	7	•	St	2	-	2	0
Leuchars	1010.2	-3	-	0	b-	32	92	7	-	-	0	Ci	3	•
Eskdalemuir	1011.1	-4	SE'E	2	b-	33	75	5	-	-	0	-	0	•
Tynemouth	1013.9	-1	S	1	b	33	92	6	-	-	0	-	0	1
Blacksod Point	993.1	-7	SSE	6	o+	50	75	7	•	•	•	•	9	7
Donaghadee	1007.2	-4	SSW	4	o	44	75	8	450	St	10	-	10	5
Birr Castle	998.4	•	SSE	5	o/c	47	92	6	2500	Nb	10	-	10	•
Holyhead	1008.1	-3	SSE	6	c+	44	75	7	2500	St Cu	7	-	7	4
Liverpool (Bidston)	1011.1	-4	SE	4	b	35	85	6	[illegible]	-	0	Ci St	3	4
Chester (Shotwick)	1011.5	-6	SE'S	3	bmw	35	85	4	-	-	0	-	0	•
Spurn Head	1016.5	-3	SSE	4	b	36	92	6	-	-	0	-	0	2
Birmingham (Edgbaston)	1014.6	-2	SSE	3	b	37	85	6	-	-	0	-	0	•
Nottingham	1015.1	-3	E	2	b	33	92	6	-	-	0	-	0	•
Cranwell	1017.5	-4	SSE	4	b	32	97	6	-	-	0	-	0	•
Gorleston	1018.8	-1	S'E	3	b	34	92	7	-	-	0	-	0	0
Valencia (Cahirciveen)	993.3	-4	SSE	7	od	50	85	6	1500	St Cu	10	-	10	6
Roches Point	997.7	-9	SSE	8	o/mk	49	97	6	1500	St	10	-	10	7
Pembroke (St. Ann's H.)	1017.0	-7	SE	6	o	45	85	7	1500	St Cu	10	-	10	5
Ross-on-Wye	1013.2	-3	SSE	3	b-	39	65	7	-	-	0	-	0	•
Leafield	1015.0	-3	SE	4	b-	36	75	4	-	-	0	-	0	•
Andover	1015.7	-3	SE'S	3	b	37	85	7	-	-	0	-	0	*
S. Farnborough	1017.3	-3	ESE	2	b	34	85	6	-	-	0	-	0	•
London (Kew Obsy.)	1017.1	-3	SSE	2	b	37	75	6	-	-	0	-	0	•
Croydon	1017.4	-3	S'E	4	b	37	75	6	-	-	0	-	0	•
Clacton-on-Sea	1018.6	-3	SSE	3	b	38	85	6	-	-	0	A St	2	2
Sheeburyness	1018.6	-5	SSE	1	b	33	85	8	-	-	0	-	0	•
Grain	1018.8	-3	S	3	b	35	85	6	-	-	0	-	0	0
Lympne	1018.6	-2	S'E	3	b	36	85	6	-	-	0	-	0	•
Scilly (St. Mary's)	1006.1	-4	S'E	7	bc-	50	92	6	4000	St Cu	4	A Cu	6	6
Falmouth (Pendennis)	1008.3	-4	SSW	6	o	48	85	7	4000	St Cu	9	-	9	4
Plymouth (Cattewater)	1011.4	-3	SSE	5	o/p	45	85	7	1500	St	10	-	10	0
Portland Bill	1013.3	-4	S	5	b	46	65	7	-	-	0	-	0	3
Southampton (Calshot)	1015.6	-4	SE'S	5	b	42	75	7	-	-	0	-	0	6
Dungeness	1018.9	-3	SSE	4	b	40	75	7	-	-	0	-	0	4
Guernsey	1014.0	-2	S'W	5	b	42	85	7	-	-	0	-	0	3

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 0600 G.M.T. 7th)	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity. 15h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	bfxbmx	b3b	bbx	•	•	21	-	-	5.8	•	•	2
Croydon } 24 hours ended 0700	244	bxmk	b3	b3b	•	•	27	-	-	6.7	•	•	6
Greenwich (Royal Obsy.)	149	b	b	bx	41	27	16	-	-	6.4	69	98	2
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	1.8	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	45	32	27	-	-	3.0	84	89	•
Regent's Pk. (Botanic Gdns).	68	•	•	•	•	•	•	•	•	3.8	•	•	•
Camden Square	110	xf	f	•	42	29	25	-	-	•	•	100	•
Kensington Palace	80	b	b	•	44	29	19	-	-	•	{At 18h 70	85	•
Hampstead Observatory	450	•	•	•	43	28	18	-	-	4.8	•	98	•

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 6th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 6h 17m h. 00 m. to 7h 07m h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	14.00	14.00	100
δ Ursae Minoris	14.00	14.00	100

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	150°
18h.	C	5	-	150°
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

7th JAN., 1924

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.4 / 8.4	11.59 / 12.0	3.54 / 3.56
Greenwich	8.6 / 8.6	12.6 / 12.7	4.6 / 4.8
Wick	9.0 / 9.0	12.13 / 12.19	3.36 / 3.33
Valencia	8.43 / 8.45	12.47 / 12.48	4.44 / 4.46

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—be/r = fair weather after rain; - = "decreasing", + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

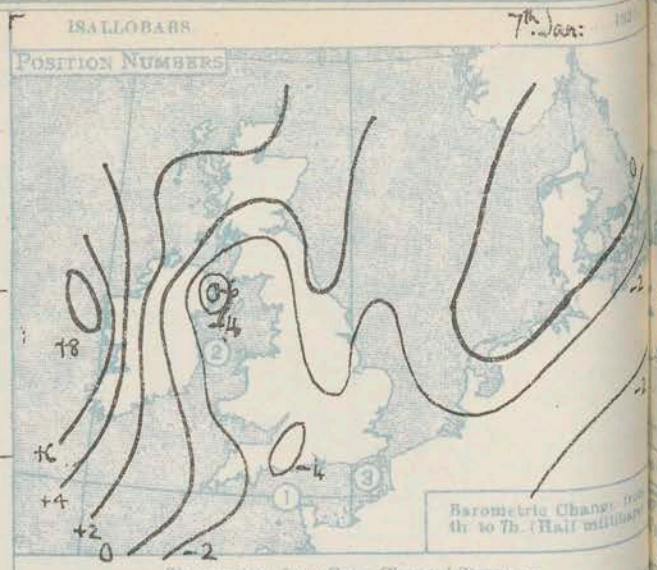
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0 = no swell } Calm or slight sea.
1 = mod. swell } Calm or slight sea.
2 = heavy swell } Calm or slight sea.
3 = no swell } Moderate sea.
4 = mod. swell } Moderate sea.
5 = heavy swell } Moderate sea.
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 6h.	13h.-18h. 6h.	18h. 6h. to 1h. 7h.	1h.-7h. 7h.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN 6h. Hours.
Lerwick	o	o	o	cq	45	42	.	-	-	-	-	0·0
Stornoway	odp	co	c	p	49	44	.	0·4	0·5	-	-	0·0
Wick	oo	c	b-bc	oo	45	40	.	-	-	-	-	.
Castlebay	o	o	o	o	47	44	.	-	-	-	-	0·0
Nairn	cbc	bcq	bcx	bcq	46	35	.	-	-	-	-	2·1
Aberdeen	oc	c	om	oo	44	38	35	-	-	-	-	0·3
Malin Head	co3	do03	coz	pco	48	42		0·2	0·1	1530	01·30	0·0
Renfrew	oo	oacbc	bccm	omc	45	33	30	-	-	-	-	0·3
Edinburgh(Inchkeith)	c	bc	b-bc	b-bc	43	36	.	-	-	-	-	0·3
Leuchars	oo	ocbcb	bxco	oo	44	30	18	-	-	-	-	1·7
Eskdalemuir	omo	cbcbm	bxm	bmxbm	38	28	24	-	-	-	-	0·1
Tynemouth	bm	bm	b-bcm	b-bc	37	31	30	-	-	-	-	.
Blacksod Point ...	c	c	c	p	?	36	.	?	3	-	-	.
Donaghadee	oq	oq	opq	orq	47	43	.	-	0·4	-	02·30	.
Birr Castle	co	mgir	oqur	co	47	43	41	0·2	0·4	1730	<2100	0·0
Holyhead	cobc	bbbcq	odqr	orq	44	43	40	-	Trace	-	06·30	3·8
Liverpool (Bidston)...	bc	bc	.	bco	38	34	31	-	-	-	-	5·1
Chester (Shotwick) ...	occbq	bqbm	bmbq	bcoom	41	33	23	-	-	-	-	5·4
Spurn Head	c	c	bbx	bbx	36	34	.	-	-	-	-	1·1
Birmingham(Edgbaston)	obcb	b	bbx	bbcx	40	31	27	-	-	-	-	4·1
Nottingham	o	bbc	b	x	39	28	22	-	-	-	-	3·5
Cranwell	obcb	bbc	b-bc	bx	37	26	22	-	-	-	-	3·3
Gorleston	ocbcb	b	bq	bq	39	34	30	-	-	-	-	5·2
Valencia (Cahirciveen)	qid	oird	oq	oobob	50	39	33	3	5	<0800	<2100	0·0
Roches Point	dodo	idimo	or	rb	50	45	.	2	6	<0800	<2100	.
Pembroke(St.Ann's H.)	oo	oo	oq	b	45	44	.	-	3	-	03·30	0·1
Ross-on-Wye	cb	byb	bb	bbc	45	35	27	-	-	-	-	4·7
Leafield	ocbc	bcb	b	bx	42	31	26	-	-	-	-	5·4
Andover	omb	b	bbmx	bmx	45	30	22	-	-	-	-	6·6
S. Farnborough ...	bm	bm	bmx	bmx	45	31	18	-	-	-	-	6·4
London (Kew Obsy.)...	bfxbmz3	bz3b	bbx	bxbzmx	43	31	21	-	-	-	-	5·8
Croydon	bxmz	bz3	bz3b	bx	44	33	27	-	-	-	-	6·7
Clacton-on-Sea ...	bmxbz	bmz	bx	bx	40	35	30	-	-	-	-	6·5
Shoeburyness ...	bbc	bbc	bx	bx	41	29	22	-	-	-	-	6·5
Grain	bbxm	bxbm	bbxm	bbxm	41	30	25	-	-	-	-	6·9
Lympne	bmx	bm	bm	bmx	41	31	22	Trace	Trace	-	-	7·2
Scilly (St. Mary's) ...	bccq	coqpo	cq	orqbc	50	45	.	Trace	2	1630	<2100	0·1
Falmouth (Pendennis)	bcqcq	coq	coqbc	bcor	48	47	.	-	4	-	03·30	0·3
Plymouth(Cattewater)	b	bo	oo	or	46	45	43	-	Trace	-	05·30	4·6
Portland Bill	bbc	bbc	b-bc	b-bc	47	43	.	-	-	-	-	
Southampton(Calshot)	b	b	b	b	46	40	36	-	-	-	-	7·0
Dungeness	bbc	bbc	b-bc	b-bc	42	35	.	-	-	-	-	.
Guernsey	bbc	bbc	b	bq	44	38	.	-	-	-	-	.



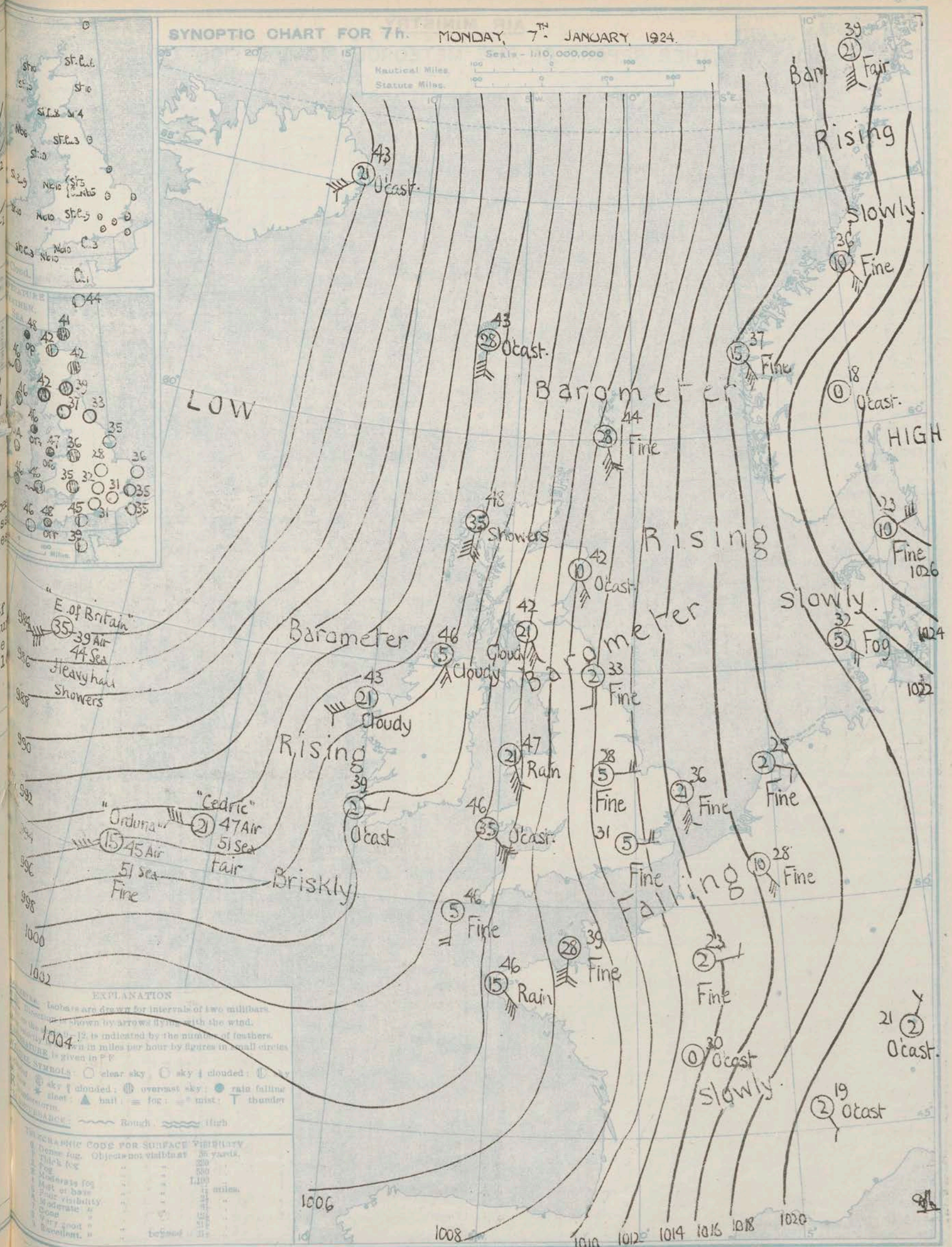
Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	
2	6th 1000	"Hibernia"	S	7	c	44	48	7
3	7th 2200	"Brighton"	S	4	bc	37	47	7

GENERAL INFERENCE.

The highest pressure is now over Scandinavia, and there is a tendency for secondary disturbances approaching from Southwest to pass northward across the British Isles. Winds will vary between S.E. and S.W. with changeable, unsettled weather, though fine conditions will probably hold in the East of England most of today. Temperature will be variable but on the whole moderate in the West and rather low in the East.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 7th January, 1923.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S. or S.E., moderate, fresh at times; fine at first, risk of rain later; some mist; rather cold.	Unsettled. -----
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales	Wind between SE. and SW., varying considerably in strength, strong or high at times; bright periods, occasional rain or showers; visibility moderate or good; moderate temperature.	
8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind southerly, varying considerably in strength, strong or high at times; changeable, occasional rain or showers; visibility moderate or good; moderate or rather low temperature.	S. Cone still flying S. Cone hoisted 1445 6/1/24. -----
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 4 - 7.	



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...MONDAY, 7TH JANUARY...1924. No. 7.....

Observations at 0100 G.M.T. 7th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1009·4	-2	S'E	5	o	43	85	6	5700	Strcu	6	Astr	9
Stornoway	51	999·0	-4	SSW	4	c	*	*	5	*	*	*	*	*
Wick	81	1004·0	-1	S	5	bc	40	92	8	-	-	0	Cistr	4
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	993·6	-6	SE'S	8	ors	47	97	7	2500	Str	6	Astr	10
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1007·1	-2	SSE	3	bc+	38	75	7	*	-	0	Cistr	6
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1011·3	-2	S	1	b	34	85	6	-	-	0	-	0
Blacksod Point ...	10	991·8	+6	S	7	o	48	85	5	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1004·4	-3	SE'S	7	o	46	85	9	4000	Str	10	-	10
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1013·7	-1	SSE	5	b	36	92	7	-	-	0	-	0
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1013·9	-4	SSE	4	b	29	92	6	-	-	0	-	0
Gorleston	13	1017·7	-1	S'E	5	b	36	92	7	-	-	0	-	0
Valencia (Cahirciveen)	30	995·1	+3	SE	6	b/r	49	92	8	-	-	0	-	0
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	140	1004·3	-1	SSE	7	o	47	92	7	2500	Str	10	-	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	239	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	33	*	*	*	*	*	*	*
Croydon	244	1014·7	-3	S	3	b	34	85	6	-	-	0	-	0
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1015·3	-3	S	4	b	32	85	6	-	-	0	-	0
Scilly (St. Mary's) ...	131	1003·0	-2	SE'S	7	ors	50	97	6	4000	Nb	10	-	10
Falmouth (Pendennis)	200	1004·4	-3	SSW	6	bc+	49	85	8	5700	Strcu	5	-	5
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1010·0	-6	S	5	b	45	75	7	-	-	0	-	0
Southampton (Calshot)	12	1012·3	-3	SSE	3	b	40	75	7	-	-	0	-	0
Dungeness	21	1015·2	-3	S	4	b	35	92	7	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 7th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	1009·8	+1	SSE	6	b	44	85	6	-	-	0	Astr	2
Stornoway	997·0	+2	SSW	7	obr	48	85	7	450	Str	10	-	10
Wick	1003·8	+2	S	5	o	41	92	7	4000	Strcu	6	Cistr	10
Castlebay	996·6	+1	SE	5	o	46	92	7	1500	Str	10	-	10
Nairn	1002·5	*	SSE	2	bc-	42	85	8	1500	Str	4	-	4
Aberdeen	1008·1	0	SSE	3	o	42	85	6	2500	Str	10	-	10
Malin Head	997·3	+2	SSE	2	c	46	92	7	4000	Nb	6	Astr	8
Renfrew	1003·6	-2	SSE	5	c+	42	85	6	2500	Strcu	8	-	8
Edinburgh (Inchkeith)	1004·3	-3	SSW	3	bc+	39	85	7	*	Str	4	-	4
Leuchars	1006·0	-1	-	0	o	36	92	7	-	-	0	Astr	10
Eskdalemuir	1006·7	-2	SE	3	b+	37	85	5	2500	Strcu	3	-	3
Tynemouth	1010·2	0	S	1	b	33	85	7	-	-	0	-	0
Blacksod Point ...	997·3	+8	SW	5	c-	43	85	6	*	*	*	*	7
Donaghadee	1002·0	-7	S	5	or+	46	97	8	800	Str	10	-	10
Birr Castle	999·4	*	SE	1	o-	44	92	4	4000	Strcu	9	-	9
Holyhead	1002·5	-2	SE'S	5	ors	47	85	7	1500	Nb	10	-	10
Liverpool (Bidston) ...	1006·2	-2	ESE	3	o+	36	92	7	1500	Str	10	-	10
Chester (Shotwick) ...	1007·2	-3	SE	5	o	36	85	5	4000	Strcu	9	-	9
Spurn Head	1011·5	-2	SSE	5	b	35	92	7	-	-	0	-	0
Birmingham (Edgbaston)	1008·2	-3	SSE	3	c-	33	92	5	-	-	0	Cistr	7
Nottingham	1010·4	-1	E	2	b	28	92	6	-	-	0	-	0
Cranwell	1012·0	-1	SE'S	3	b	27	97	6	-	-	0	-	0
Gorleston	1014·9	-2	S'E	5	b	36	85	7	-	-	0	-	0
Valencia (Cahirciveen)	1000·7	+6	E	1	b	39	92	7	4000	St	10	-	10
Roches Point	1000·1	+3	-	0	o	46	97	8	1500	Str	10	-	10
Pembroke (St. Ann's H.)	1001·6	-2	SE	7	o	46	92	7	1500	Nb	10	-	10
Ross-on-Wye	1008·1	-3	S	1	o+	35	85	6	4000	Strcu	9	-	9
Leafield	1008·6	-3	SE	3	b	32	92	7	-	-	0	-	0
Andover	1008·8	-4	E'N	3	b	30	97	5	-	-	0	-	0
S. Farnborough ...	1010·4	-3	E	3	b	31	97	6	-	-	0	-	0
London (Kew Obsy.) ...	1010·7	-3	E	2	b	31	85	4	-	-	0	-	0
Croydon	1011·2	-4	S	3	b	33	85	6	-	-	0	-	0
Clacton-on-Sea ...	1012·7	-2	SE	3	b	35	85	7	-	-	0	Astr	2
Shoeburyness	1012·3	-3	SE	2	b	31	75	7	-	-	0	-	0
Grain	1012·3	-5	SE	3	b	31	85	6	-	-	0	-	0
Lympne	1012·1	-3	SSE	4	b+	32	85	5	1500	Str	2	-	2
Scilly (St. Mary's) ...	1002·2	0	S	2	b+	46	97	8	4000	Strcu	3	-	3
Falmouth (Pendennis)	1003·6	-1	SSW	6	orr	48	75	7	4000	Nb	10	-	10
Plymouth (Cattewater)	1005·2	-1	SSE	5	ors	47	92	7	1500	Nb	10	-	10
Portland Bill	1006·6	-4	SSE	5	b+	45	75	7	4000	Cu	3	-	3
Southampton (Calshot)	1008·3	-3	SE	4	b	41	85	7	-	-	0	-	0
Dungeness	1011·5	-3	S	4	b	35	92	7	-	-	0	-	0
Guernsey	1007·7	-3	S	6	b+	39	92	6	2500	Cu	1	Cu	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 6th JANUARY

STATIONS	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 5th–6th °F.	Temperature. Max. Day. 6th °F.	Rainfall.† Night 17h.-9h. 5th–6th mm.	Rainfall.† Day 9h.-17h. 6th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 6th hr.
Montrose	cbc	bc	37	43	-	-		0·8
Berwick-on-Tweed	ucobc	bbbcu	35	43	-	-		5·7
Llandudno	b	b	36	45	-	-		6·4
Colwyn Bay	bc	bc	34	42	-	-		6·6
Rhyl	bcb	bbc	33	46	-	-		6·1
Southport	x	bbcbbx	34	38	-	-		4·5
Blackpool	c	bcc	34	37	-	-		3·9
Ilkley	omgc	bbcm	30	37	-	-		1·9
Harrogate	bw	bw	29	34	-	-		1·0
Skegness	bcoc	cb	30	37	-	-		1·9
Aberystwyth ...	cbc	b	35	46	-	-		6·7
Bath	bc	b	35	47	-	-		6·0
Leamington Spa ...	cb	bcb	30	42	-	-		4·5
Lowestoft	bfb	b	29	39	-	-		4·1
Felixstowe	bm	bm	31	40	-	-		6·2
Southend	xbcb	b	28	43	-	-		5·9
Ilfracombe	b	b	37	48	-	-		6·7
Bude	cbcbc	bcbco	39	46	-	-		4·1
Torquay	b	b	40	47	-	-		6·8
Weymouth	b	b	37	47	-	-		6·8
Bournemouth ...	b	b	35	46	-	-		7·2
Portsmouth (S'thsea)	b	b	36	46	-	-		7·2
Littlehampton ...	bc	bc	36	45	-	-		7·0
Worthing	b	b	35	46	-	-		7·2
Brighton	b	b	30	45	-	-		7·2
Eastbourne	b	b	33	44	-	-		7·1
Hastings	bmb	b	34	44	-	-		7·2
Folkestone	x	b	27	41	-	-		6·0
Dover	b	b	33	41	-	-		6·3
Tunbridge Wells ...	b	b	28	43	-	-		7·0
Ramsgate	bx	b	31	45	-	-		6·4
Margate	b	b	29	41	-	-		6·7
Deal	b	b	28	39	-	-		6·5

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22.692 Tuesday, 8th January, 1924.

Observations at 1300 G.M.T. 7th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1000·6	+1	SSE	7	c	43	85	6	2500	St	5	Cu	7	•
Stornoway	1001·4	+3	SSW	4	o/r	46	92	7	450	St	10	–	10	•
Wick	1004·0	–1	S	6	o	42	92	6	800	St	10	–	10	•
Castlebay	1000·5	+1	SW	4	o	45	85	8	1500	St	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1003·5	–2	SSE	5	o+	42	85	6	1500	St	10	–	10	1
Malin Head	1002·0	+6	SE	3	c	45	85	7	5700	StCu	7	ACu	8	•
Renfrew	1003·1	+1	SE	3	o/r	42	92	6	800	Nb	10	–	10	2
Edinburgh (Inchkeith)	1005·8	0	SE	3	o+	41	85	6	•	Cu	4	Ci	9	•
Leuchars	1006·2	0	SE	4	o	39	85	6	–	–	0	ASt	9	1
Eskdalemuir	1006·9	0	SE	3	od	40	92	5	800	Nb	10	–	10	1
Tynemouth	1009·8	0	SSW	1	c+	34	85	4	1500	St	8	–	8	•
Blacksod Point	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Roughdes	1004·3	0	W	1	od	45	97	7	450	St	2	ASt	10	•
Birr Castle	1003·3	•	SE	1	c–	45	85	7	4000	StCu	8	–	8	•
Holyhead	1004·1	+1	SSE	4	o/r	45	97	6	800	Nb	10	–	10	2
Liverpool (Bidston)	1006·3	–1	ESE	3	c–	37	85	8	2500	CuNb	7	–	7	•
Manchester (Shotwick)	1006·9	–1	SE	3	omm	39	85	4	5700	StCu	6	Cu	9	1
Spurn Head	1011·0	–0	SE'S	4	b	36	92	7	–	–	0	CiCu	1	•
Birmingham (Edgbaston)	1008·3	–2	SE	2	c+–	36	85	3	4000	StCu	8	–	8	2
Nottingham	1009·1	–3	E	2	bc	34	85	5	–	–	0	Cu	4	•
Cranwell	1010·8	–2	SE'E	3	b	34	85	6	–	–	0	Cu	2	3
Gorleston	1012·4	–2	SSE	4	b	38	85	6	–	–	0	–	0	•
Valencia (Cabirciveen)	1003·9	+1	–	0	b–	46	75	8	2500	StCu	1	–	1	0
Roches Point	1003·6	+1	NW	1	bc–	47	85	7	–	–	0	ACu	4	•
Pembroke (St. Ann's H.)	1004·4	+2	S	2	o/p	46	97	8	1500	St	10	–	10	•
Ross-on-Wye	1006·9	–3	ESE	2	o+	41	75	6	5700	StCu	1	Cu	9	0
Leafield	1007·9	–2	E'N	3	o–	39	85	5	–	–	0	ASt	5	•
Andover	1007·5	–2	ENE	3	bc	38	85	5	–	–	0	Ci	5	1
S. Farnborough	1007·	–3	ESE	2	b	40	85	5	–	–	0	Ci	1	1
London (Kew Obsy.)	1008·1	–4	E	2	o+–	38	85	3	–	–	0	–	0	3
Croydon	1008·9	–4	SE'E	3	b	39	85	65	–	–	0	–	0	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1009·7	–3	SE	3	b	38	75	6	–	–	0	–	0	•
Grain	1010·0	–3	ENE	2	b	38	85	5	–	–	0	–	0	3
Lympne	1009·7	–4	SSE	3	b	37	92	6	–	–	0	–	0	1
Scilly (St. Mary's)	1003·1	+1	W	2	o	50	97	7	4000	StCu	10	–	10	•
Falmouth (Pendennis)	1003·1	0	S	4	o/r	48	92	8	5700	StCu	9	–	9	•
Plymouth (Cattewater)	1004·8	–1	E	2	obc	45	92	6	1500	St	10	–	10	1
Portland Bill	1005·5	–4	SE	3	c+	45	75	7	4000	StCu	5	ACu	8	•
Southampton (Calshot)	1007·1	–3	ESE	4	o+	44	85	6	2500	StCu	10	–	10	0
Dungeness	1009·1	–2	SSE	4	b	38	85	7	–	–	0	–	0	•
Guernsey	1006·3	–2	S'E	3	mmo	39	97	6	800	St	10	–	10	•

Observations at 1800 G.M.T. 7th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.* 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-5
Lerwick	1011·5	+1	SSE	7	o	43	85	6	2500	St	3	ASt	10	6
Stornoway	1002·8	+3	SSE	3	opo	45	85	7	450	St	10	–	10	2
Wick	1003·3	+2	SSE	6	o	43	92	7	800	St	10	–	10	6
Castlebay	1002·3	+2	SSW	3	bc–	46	75	7	2500	St	6	–	6	4
Nairn	1005·9	•	S'E	2	c+	41	85	6	500	StCu	8	–	8	•
Aberdeen	1009·3	+1	SSE	5	o/o	41	92	6	1500	Nb	10	–	10	4
Malin Head	1002·9	+1	SE	2	b–	40	92	8	5700	StCu	1	CiCu	3	1
Renfrew	1005·1	+1	–	0	o/r	42	92	5	1500	Nb	10	–	10	•
Edinburgh (Inchkeith)	1007·1	*	SE	3	o	40	85	7	•	St	3	ASt	10	2
Leuchars	1007·3	+1	SSE	4	c–	39	85	6	4000	StCu	6	ASt	8	•
Eskdalemuir	1006·3	0	–	0	o/r	39	92	6	1500	StCu	10	–	10	•
Tynemouth	1009·7	0	SE	1	fb–	35	85	3	–	–	0	–	0	0
Blacksod Point	1008·8	–1	SSE	4	b	42	85	7	•	•	•	•	1	5
Roughdes	1004·6	0	S	2	c/r	45	92	7	450	St	7	–	7	4
Birr Castle	1003·1	*	E	1	b–	38	97	6	4000	StCu	2	–	2	•
Holyhead	1004·2	0	S'W	1	o	45	97	8	2500	St	10	–	10	0
Liverpool (Bidston)	1006·7	+1	ESE	3	bc–	35	85	6	2500	St	6	–	6	3
Manchester (Shotwick)	1007·1	+1	SE	3	ffbc	33	92	3	1500	St	5	–	5	•
Spurn Head	1009·6	–2	SE'E	5	b	39	92	7	–	–	0	CiSt	1	3
Birmingham (Edgbaston)	1007·8	0	ESE	3	fb+	33	85	2	–	–	0	–	0	•
Nottingham	1008·5	0	E	2	b	32	97	6	–	–	0	–	0	•
Cranwell	1009·5	0	SE'E	2	b	30	97	5	–	–	0	–	0	•
Gorleston	1011·3	–1	SE	5	b	37	85	6	–	–	0	–	0	1
Valencia (Cabirciveen)	1001·4	–3	SE'E	3	b	42	75	8	–	–	0	ASt	2	4
Roches Point	1003·1	0	E	1	b	38	92	8	–	–	0	–	0	1
Pembroke (St. Ann's H.)	1004·8	0	E	3	o	42	97	6	1500	St	10	–	10	5
Ross-on-Wye	1007·0	0	E	1	mmo	34	92	4	1500	St	10	–	10	•
Leafield	1007·5	0	E'N	1	fo+	34	85	2	450	St	10	–	10	•
Andover	1006·5	0	E'N	2	o	38	92	5	1500	St	10	–	10	*
S. Farnborough	1007·4	0	E	2	b	34	97	5	–	–	0	–	0	•
London (Kew Obsy.)	1008·1	0	NE	1	ffo	35	85	1	800	St	10	–	10	•
Croydon	1008·4	+1	E	1	b	33	92	5	–	–	0	Ci	2	•
Clacton-on-Sea	1009·3	0	E	4	bc+	37	85	6	–	–	0	ASt	5	3
Shoeburyness	1008·8	–1	SE	1	b	34	85	7	–	–	0	–	0	•
Grain	1008·9	0	E	3	b	34	85	4	–	–	0	–	0	0
Lympne	1008·4	0	SE	4	b	34	97	6	–	–	0	Ci	1	•
Scilly (St. Mary's)	1004·1	+1	W'N	2	c	46	97	7	4000	StCu	7	–	7	4
Falmouth (Pendennis)	1002·8	0	E	2	o	47	97	8	5700	StCu	9	–	9	0
Plymouth (Cattewater)	1004·3	0	E	2	oro	44	92	7	800	St	10	–	10	0
Portland Bill	1004·9	0	SE	3	o+	43	85	7	4000	StCu	10	–	10	2
Southampton (Calshot)	1006·4	0	SE	3	o	41	85	7	1500	St	10	–	10	1
Dungeness	1008·5	0	SSE	4	b–	38	97	7	–	–	0	CiSt	2	4
Guernsey	1008·8	0	S	3	obc+	42	97	6	1500	St	10	–	10	3

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility.
		24 HOURS ENDED 0900 G.M.T. 8th								YESTERDAY.	TO-DAY.		
Kew (24 hours ended 0700)	18	bfxbf	bfbf	bf	•	•	29	Tr	0·1	2·9	•	•	3
Croydon (24 hours ended 0700)	244	bmx	bmx	bmx	•	•	24	–	Tr	6·3	•	•	3
Greenwich (Royal Obsy.)	149	bx	bx	bod	39	30	23	–	Tr	5·0	86	96	2
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·4	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	40	33	30	–	Tr	1·2	81	91	•
Regent's Pk. (Botanic Gdns.)	68	•	•	•	•	•	•	•	•	3·4	•	•	•
Camden Square	110	xf	f	•	36	30	27	–	0·3	•	•	93	•
Kensington Palace	80	o	bc	•	38	34	27	–	0·2	•	At 18h 91	•	•
Hampstead Observatory	450	•	•	•	35	28	21	–	0·3	0·2	99 98	•	•

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 7th

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.
0·4	6h 17h	0·3	Night
0·9	7h 10h		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 7m. 17h. 00m. to 8th. 07h. 00m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	14·00	2·02	15
δ Ursæ Minoris	14·00	2·02	15

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Hard ground frozen (but less than 2 ins. deep).
4=Hard ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Date.	Type.	No. per ½ sec.	Strength.	Direc.
7th.	–	–	–	–
8th.	–	–	–	–
9th.	–	–	–	–
10th.	–	–	–	–

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

8th, 9th, 10th January, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·4	12·00	3·56
	8·3	12·00	3·57
Greenwich	8·6	12·7	4·8
	8·5	12·7	4·9
Wick	9·0	12·19	3·38
	8·59	12·19	3·40
Valencia	8·49	12·48	4·46
	8·48	12·48	4·48

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. r rain. s snow.
ss 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.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.
< = less than (for cloud height). < = before (for precipitation)
⊕ = solar halo. ☾ = lunar halo.
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. – = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

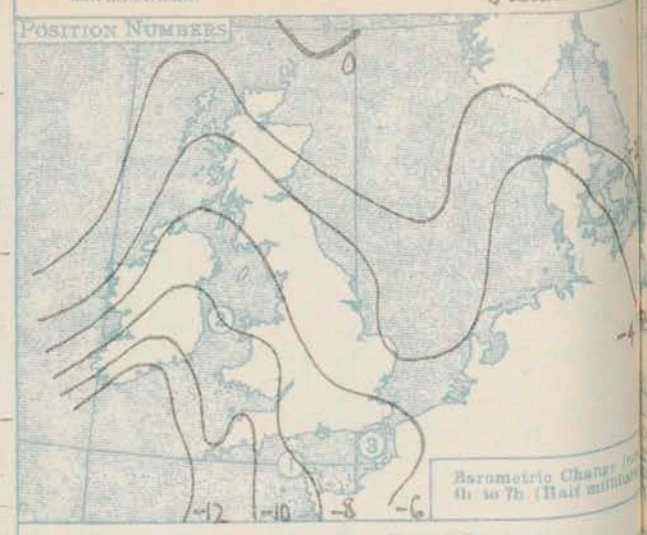
[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 7th	Weather. 13h.-18h. 7th	Weather. 18h. 7th to 1h. 8th	Weather. 1h.-7h. 8th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun 7th Hours.
Lerwick	cq	oq	oq	oq	44	39	.	–	–	–	–	0·0
Stornoway	oo	pro	c	b	48	40	.	2	0·1	1730	–	0·0
Wick	oo	oo	oo	oirₒq	43	40	.	–	0·2	–	0530	.
Castlebay	oo	obc	bcb	copo	46	40	.	–	0·3	–	–	0·2
Nairn	bccm	cmd	oqm	cmqp	43	40	.	0·2	0·3	1430	<2100	0·0
Aberdeen	obcco	ooirₒ	opₒo	oopₒq	42	38	37	0·1	Trace	1730	<2100	0·0
Malin Head	coz	coz	bc	om	49	38	.	–	–	–	–	0·3
Renfrew	corₒrr	orrm	orrmo	oq	43	35	32	6	4	0900	<2100	0·0
Edinburgh (Inchkeith)	c	oo	oo	od	41	36	–	–	–	–	–	0·3
Lenchars	om	omo	ooq	oqpₒ	39	38	34	–	Trace	–	0630	0·1
Eskdalemuir	oodm	oirₚ	oco	ooq	41	28	24	1	–	1230	–	0·1
Tynemouth	cm	bff	bffm	bcq	35	32	30	–	–	–	–	.
Blacksod Point		bbc	b-bc	oo	46	??	.	–	?	–	?	.
Donaghadee	od	omd	oq	oq	47	39	.	2	0·2	<0800	<2100	.
Birr Castle	psrco	cobc		oqiₚₒ	46	34	26	0·5	0·5	<0800	–	2·7
Holyhead	rₒqrm	oro	oroc	b-bc	47	37	34	11	0·2	<0800	<2100	0·0
Liverpool (Bidston)	ocm	mc	od	oq	39	32	29	–	Trace	–	–	0·1
Chester (Shotwick)	om	ocmf	bfof	~~ooqdm~~ 40		30	26	–	Trace	–	0630	0·6
Spurn Head	bb	bb	bbx	oo	39	35	.	–	–	–	–	4·9
Birmingham (Edgbaston)	bcff	bcbff	bfbfx	bforF	36	33	30	–	1	–	0630	0·0
Nottingham	b-bc	bbc	bcox	ox	34	29	25	–	–	–	–	0·9
Cranwell	xbm	bbc	bx	bcox	35	28	23	–	–	–	–	3·7
Gorleston	bq	bq	oqxm	bqxmo	39	34	31	–	–	–	–	6·0
Valencia (Cahirciveen)	bbcb	b	b	oorm	49	41	33	–	16	–	0230	6·0
Roches Point	ombc	bcb	bbcb	bor	48	40	.	–	4	–	0330	.
Pembroke (St. Ann's H.)	orr	oo	oo	oo	48	41	.	4	–	<0800	–	0·0
Ross-on-Wye	oc	bcco	cfof	omdm	41	32	26	–	0·3	–	0430	0·4
Leafield	bbcm	bcmff	fmdₒdₒ	ffodod	39	32	30	–	1	–	<2100	4·2
Andover	bcm	bcmom	omdₒdₒ	oodd	41	34	34	–	1	–	<2100	5·2
S. Farnborough	bm	bzbgm	bpm	rₒorr	40	34	32	–	0·6	–	0330	5·3
London (Kew Obsy.)	bfxbf	bfof	off	bfomoₒ	38	35	29	trace	0·1	–	0630	2·9
Croydon	bxmz	bmx	bomx	omxdₒ	40	31	24	–	Trace	–	0430	6·3
Clacton-on-Sea	bz	bzbcm	bmx	bbcmxm	38	36	32	–	–	–	–	5·6
Shoeburyness	bxb	bbx	bx	bcxco	38	31	26	–	Trace	–	–	6·4
Grain	bxm	bbxm	bbccm	coo	38	32	26	–	0·2	–	0630	6·2
Lympne	bmx	bm	bcco	om	38	33	29	trace	–	–	–	6·7
Scilly (St. Mary's)	brco	oc	bc	corq	50	45	.	–	1	–	0530	0·7
Falmouth (Pendennis)	oirco	co	cobcb	bccb	48	43	.	7	–	<0800	–	0·0
Plymouth (Cattewater)	orr	orc	or	or	47	43	40	0·5	0·6	<0800	<2100	0·1
Portland Bill	b-bc	c	oo	r-d	47	42	.	–	0·2	–	0230	.
Southampton (Calshot)	bmbcm	oo	om	odₒmd	44	41	40	–	0·2	–	2400	4·4
Dungeness	b-bc	c	oo	c	40	38	.	–	–	–	–	.
Guernsey	f-m	odₒm	dₒom	om	45	37	.	trace	0·4	1730	<2100	.

Isallobars

8th Jan.



Observations from Cross Channel Steamers.

Position.	Date and Time	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea
2	7th 1000	"Hibernia"	S	4	0	45	48
3	8th 0200	"Dieppe"	S	2	0	40	47

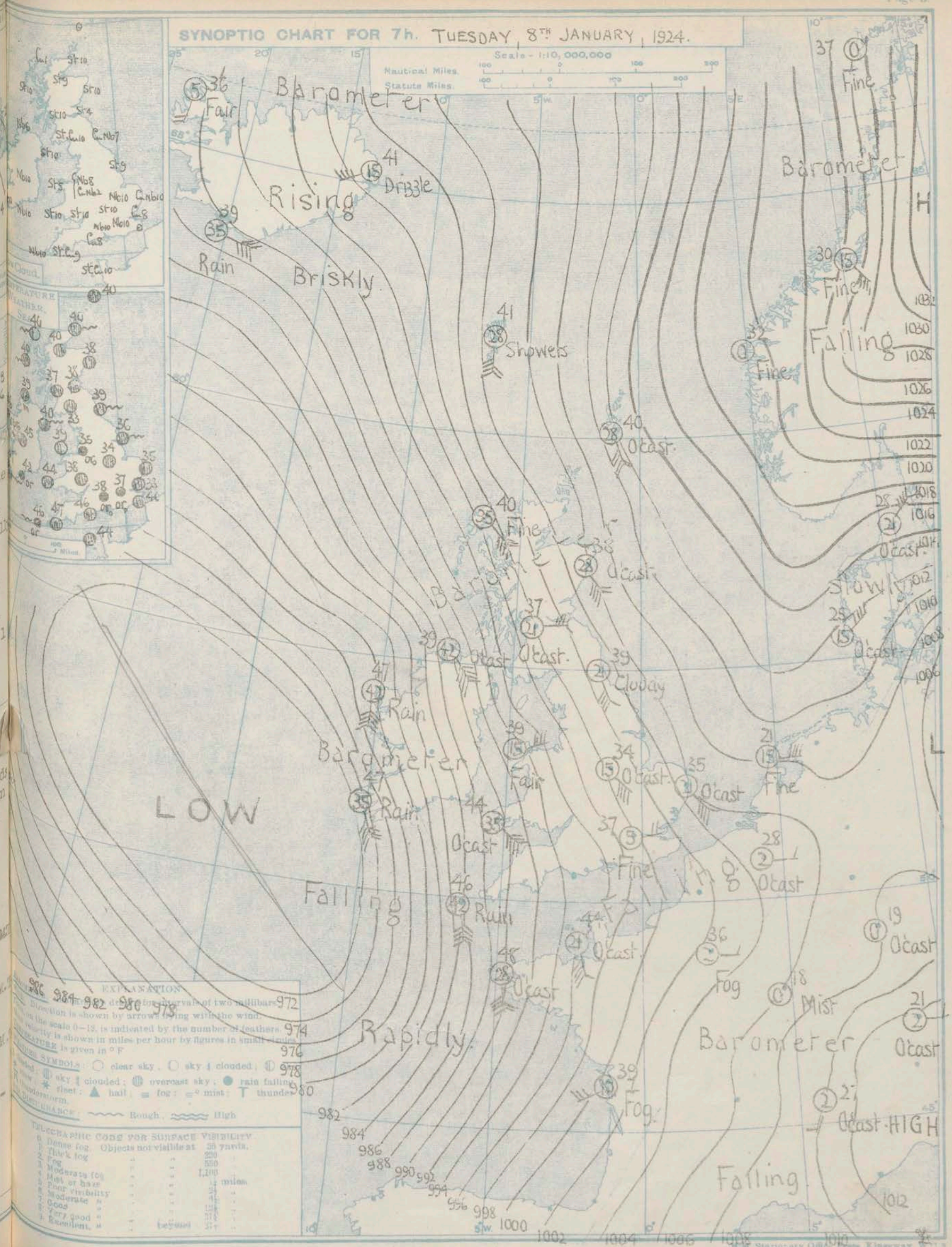
General Inference.

A very deep depression off the Southwest of Ireland is moving towards France, and winds will be southeasterly to easterly generally strong to a gale. Weather will be dull in most districts with some rain in the South and local rain in the North. Temperature is likely to continue rather low in the East and North and to fall later in the West.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 8th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind SE. to E. or NE., strong to a gale; dull, some rain and mist; rather cold.	Cold with winds probably from an Easterly point. --- South Cone still flying. South Cone hoisted 09 20 GMT 8/1/24. North Cone hoisted 03 00 GMT 8/1/24. North Cone hoisted 09 20 GMT 8/1/24.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind SE. or E., strong to a gale; mainly dull, local rain or drizzle; visibility moderate; rather cold.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0935 GMT. G. C. Simpson, F.R.S., Director.

† For Code see opposite page.



H.M. Stationery Office Press, Kingsway.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Tuesday...8th...January.....1924. No. 8.....

Observations at 0100 G.M.T. 8th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1012·7	+1	SSE	7	o	41	85	6	-	-	0	ASr	10
Stornoway	51	1002·7	-2	-	0	o	•	•	5	•	•	•	•	•
Wick	81	1025·0	0	SSE	6	o	+2	92	7	800	Sr	10	-	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	996·7	-7	ESE	+	mmo	+3	97	5	4000	Nb	10	-	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1005·5	-1	SE	4	o	37	85	7	•	-	0	ASr	9
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1008·4	-2	S	2	b/f	38	85	7	-	-	0	-	0
Blacksod Point ...	10	991·3	+2	SE'S	6	b	40	92	5	•	•	•	•	1
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1000·3	-4	-	0	bc	41	97	8	4000	StCu	4	-	4
Liverpool (Bidston)...	180	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1007·5	-3	SE	5	b	37	92	7	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1007·9	-2	ESE	2	b	28	97	5	-	-	0	-	0
Gorleston	19	1009·2	-1	SE	5	b	36	92	6	-	-	0	-	0
Valencia (Cahirciveen)	30	988·0	-9	S	6	o+	+3	97	8	-	Sr	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1000·2	-5	E	4	o	41	97	6	1500	Sr	10	-	10
Ross-on-Wye	233	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	856	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)...	18	•	•	•	•	•	35	•	•	•	•	•	•	•
Croydon	244	1006·0	-3	S	1	o	34	97	5	-	-	0	ASr	10
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness... ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1005·9	-3	S	3	o+	37	92	6	-	-	0	ASr	9
Scilly (St. Mary's) ...	131	999·1	-6	S'E	4	b+	46	97	8	4000	StCu	3	-	3
Falmouth (Pendennis)	206	1000·2	-3	S	3	b	45	97	8	-	-	0	-	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1001·9	-4	SE	2	o	45	92	7	1500	Sr	10	-	10
Southampton (Calshot)	12	1004·3	-3	E'S	4	odo	42	92	6	1500	Sr	10	-	10
Dungeness	21	1006·5	-1	SSE	3	bc-	40	92	7	-	-	0	ASr	5
Guernsey														

Observations at 0700 G.M.T. 8th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form	Cloud. Total Amt. 0-10	Sun
Lerwick	1012·7	0	SSE	6	o	40	85	6	-	-	0	ASr	10	5
Stornoway	998·2	-3	SE	7	b-	40	75	8	4000	Cu	1	-	1	6
Wick	1005·3	-1	SE	6	o/r	40	92	7	800	Sr	10	-	10	7
Castlebay	994·7	-3	ESE	7	o	40	75	7	1500	Sr	10	-	10	•
Nairn	1003·7	•	S	5	o	40	75	7	1500	Sr	9	-	9	•
Aberdeen	1007·3	-1	SE'S	6	o	38	85	7	1500	Sr	10	-	10	4
Malin Head	999·1	-6	SE	8	mo-	39	92	6	4000	Nb	6	ASr	10	•
Renfrew	1000·1	-4	E	5	o	37	75	6	2500	Sr	10	-	10	•
Edinburgh (Inchkeith)	1002·0	-6	ESE	4	o	38	85	8	•	Sr	4	ASr	9	•
Leuchars	1003·9	-4	SE	6	o	39	85	7	2500	Sr	8	ASr	10	•
Eskdalemuir	1001·9	-4	E	5	o	33	85	7	2500	StCu	10	-	10	•
Tynemouth	1003·9	-5	SSE	5	c+	39	85	6	1500	CuNb	7	-	7	6
Blacksod Point ...	980·8	-3	S'W	8	obr	46	75	?	•	•	•	•	10	3
Donaghadee	996·0	-6	S	6	o+	40	85	8	800	Sr	10	-	10	6
Birr Castle	982·4	•	E	5	o+	45	85	6	1500	Nb	10	-	10	•
Holyhead	993·7	-7	E	5	bc+	39	92	8	2500	Sr	5	-	5	3
Liverpool (Bidston)...	997·0	-5	E	5	orf+	35	97	6	1500	Nb	10	-	10	•
Chester (Shotwick) ...	997·8	-8	SE'E	6	odo	35	92	3	800	Sr	10	-	10	•
Spurn Head	1002·7	-4	SE'E	7	o	36	92	6	1500	Sr	9	ACu	10	6
Birmingham (Edgbaston)	998·8	-6	ESE	4	orf	34	97	1	1500	Nb	10	-	10	•
Nottingham	1003·9	-5	ESE	4	o	34	92	5	2500	Nb	10	-	10	•
Cranwell	1002·7	-5	ESE	4	o	32	97	6	800	Sr	10	-	10	•
Gorleston	1003·5	-2	SE	5	o+	35	92	6	4000	CuNb	10	-	10	4
Valencia (Cahirciveen)	972·5	-9	SE	7	orr	+1	85	6	450	Sr	10	-	10	2
Roches Point	980·3	-12	SE	9	orr	+2	97	6	2500	Nb	10	-	10	7
Pembroke (St. Ann's H.)	989·7	-7	ESE	7	o	44	97	8	1500	Sr	10	-	10	5
Ross-on-Wye	996·6	-8	E	3	ffo	38	97	3	450	Sr	10	-	10	•
Leafield	999·0	-6	SE	2	ffo	35	97	0	<150	Sr	10	-	10	•
Andover	997·4	-6	E'S	4	odd	+1	97	+	800	Nb	10	-	10	•
S. Farnborough ...	999·1	-6	ESE	2	orr	38	97	5	800	Nb	10	-	10	•
London (Kew Obsy.)...	1000·7	-5	E	2	orr	37	97	4	1500	Nb	10	-	10	•
Croydon	1000·9	-7	SE'S	4	odd	38	97	5	1500	Sr	10	-	10	•
Clacton-on-Sea ...	1002·1	-4	ESE	3	c+	38	92	6	-	-	0	ASr	8	1
Shoeburyness... ...	1001·7	-7	ENE	3	o+	37	85	6	1500	Sr	10	-	10	0
Grain	1001·6	-5	E	4	odo	36	92	5	2500	Sr	10	-	10	•
Lympne	1001·2	-5	ESE	4	o	37	97	6	1500	Sr	10	-	10	•
Scilly (St. Mary's) ...	985·9	-12	S'E	8	or+	46	97	7	4000	Nb	10	-	10	•
Falmouth (Pendennis)	989·2	-8	SSW	5	o+	47	85	8	5100	StCu	9	-	9	•
Plymouth (Cattewater)	991·5	-11	SE	5	o	46	85	7	1500	Sr	10	-	10	1
Portland Bill	995·0	-6	SSE	4	c-	46	92	7	4000	Cu	8	-	8	2
Southampton (Calshot)	997·8	-7	SSE	5	o	43	97	6	1500	Sr	10	-	10	3
Dungeness	1001·3	-4	SE	4	c+	40	92	7	-	-	0	ASr	7	4
Guernsey	996·0	-9	S'E	5	o-	44	65	6	1500	StCu	10	-	10	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 7th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. Night 7th. °F.	Temperature. Max. Day. 7th. °F.	Rainfall.† Night 17h.-9h. Night 7th. mm.	Rainfall.† Day 9h.-17h. 7th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 7th. hr.
Montrose ...	ome	om	37	41	-	-		0·0
Berwick-on-Tweed	czx	cobco	32	37	-	-		0·4
Llandudno	c	c	37	46	-	-		0·2
Colwyn Bay... ...	c	c	37	46	-	-		0·0
Rhyl...	c	c	37	44	-	-		0·0
Southport	coc	co	35	40	-	-		0·0
Blackpool	o	o	36	39	-	-		0·0
Ilkley	omo	mo	27	32	-	-		0·0
Harrogate	om	ombco	27	31	-	-		0·0
Skegness	bx	bx	32	38	-	-		0·3
Aberystwyth ...	occ	o	42	47	-	-		0·4
Bath	cbcb	bcco	35	42	-	-		1·9
Leamington Spa ...	bc	cb	31	37	-	-		3·7
Lowestoft	b	b	35	40	-	-		6·4
Felixstowe	bm	bm	34	38	-	-		6·3
Southend	bcb	b	30	42	-	-		6·0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. Night 7th. °F.	Temperature. Max. Day. 7th. °F.	Rainfall.† Night 17h.-9h. Night 7th. mm.	Rainfall.† Day 9h.-17h. 7th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 7th. hr.
Ilfracombe	o	oe	43	48	-	-		0·0
Bude	orooo	roor	44	49	-	2		0·0
Torquay	c	c	44	47	-	-		0·0
Weymouth	c	co	42	48	-	-		2·0
Bournemouth ...	b	b	39	44	-	-		4·2
Portsmouth (S'thsea)	bb	com	38	45	-	-		4·2
Littlehampton ...	bc	bc	39	42	-	-		6·4
Worthing	b	bco	38	45	-	-		6·2
Brighton	b	b	39	43	-	-		5·7
Eastbourne	b	bocco	38	42	-	-		5·5
Hastings	xbnbc	bbcc	36	40	-	-		6·0
Folkestone	xb	b	31	41	-	-		6·4
Dover	bz	b	33	40	-	-		5·6
Tunbridge Wells ...	b	bbcbm	28	38	-	-		5·8
Ramsgate	bx	b	34	? 44	-	-		6·4
Margate	b	b	31	39	-	-		6·6
Deal	b	obc	32	37	-	-		6·3

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,693. Wednesday 9th January 1924.

Observations at 1300 G.M.T. 8th

Stations (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form.	Cloud Total Amt. 0–10	State of ground.
Lerwick	1012·0	-1	SE	6	o	40	75	7	5700	StCu	7	ASt	10	•
Stornoway	993·4	0	SE	7	b	41	75	8	4000	Cu	3	-	3	•
Wick	1005·2	-1	SE	6	or₀	40	92	7	800	St	10	-	10	•
Castlebay	993·4	-1	E	6	o	42	75	7	1500	St	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1005·6	-2	ESE	6	or₀	38	85	6	1500	Nb	10	-	10	1
Malin Head	988·6	-2	SE	8	or₀	40	97	6	4000	Nb	5	ASt	10	•
Renfrew	998·3	-3	E	5	o	38	75	6	2500	St	10	-	10	1
Edinburgh (Inchkeith)	1000·6	-1	E	5	or₀	37	85	8	•	St	10	-	10	1
Leuchars	1002·3	-2	ESE	7	o	37	85	7	2500	StCu	10	-	10	1
Eskdalemuir	999·6	-2	E'S	5	o	33	85	6	1500	St	10	-	10	1
Tynemouth	1001·4	-5	SE	4	o	37	85	6	4000	Nb	10	-	10	•
Blacksod Point	979·5	-1	E	7	o+	45	75	8	•	•	•	•	9	•
Donaghadee	993·1	0	ESE	9	o	40	92	7	450	St	3	ASt	10	•
Birr Castle	980·5	•	SE	4	or₀r₀	43	92	7	4000	Nb	9	-	9	•
Holyhead	989·1	-3	E	6	o	40	97	5	2500	St	9	-	9	1
Liverpool (Bidston)	992·1	-5	E	6	o	35	85	4	1500	St	10	-	10	•
Chester (Shotwick)	993·4	-3	E	6	odd₀	36	92	4	800	St	10	-	10	1
Spurn Head	998·5	-5	ESE	7	o	33	92	7	4000	StCu	10	-	10	•
Birmingham (Edgbaston)	993·7	-5	ESE	5	o/r	35	97	2	1500	Nb	10	-	10	2
Nottingham	996·5	-5	ESE	4	or₀r₀s₀	34	92	6	1500	Nb	10	-	10	•
Cranwell	998·7	-4	ESE	4	or₀	32	97	6	800	St	10	-	10	3
Gorleston	1001·2	-4	ESE	7	o	32	85	6	4000	Nb	7	ASt	10	•
Valencia (Cahirciveen)	971·4	-1	E'S	5	bc-	50	75	8	2500	St	5	ACu	6	2
Roches Point	974·6	-4	SE	6	o	48	92	6	1500	St	10	-	10	•
Pembroke (St. Ann's H.)	983·3	-7	ESE	7	orr	43	97	7	1500	Nb	10	-	10	•
Ross-on-Wye	990·9	-5	E	3	o	41	92	6	800	St	10	-	10	1
Leafield	993·0	-7	ESE	4	oFF	37	97	0	<150	St	10	-	10	*
Andover	992·1	-4	SE'E	4	o	43	92	7	4000	St	10	-	10	2
S. Farnborough	993·6	-6	E	2	ffo	39	97	3	800	St	10	-	10	2
London (Kew Obsy.)	994·5	-6	E	3	of+	39	92	2	800	St	10	-	10	1
Croydon	995·2	-6	ESE	3	o/r	39	97	4	220	St	10	-	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	996·6	-8	ESE	4	or+	37	85	5	450	Nb	10	-	10	•
Grain	996·1	-7	E'S	4	or₀r₀	38	97	4	800	Nb	10	-	10	2
Lympne	995·3	-6	ESE	3	o/r	38	97	4	220	Nb	10	-	10	2
Scilly (St. Mary's)	977·9	-3	SSE	4	c-	48	97	7	4000	CuNb	7	ACu	8	•
Falmouth (Pendennis)	978·7	-7	SE	8	orr	46	85	6	4000	Nb	10	-	10	•
Plymouth (Cattewater)	983·5	-9	ESE	6	orr	43	92	6	450	Nb	10	-	10	2
Portland Bill	988·2	-8	SSE	6	orr	46	85	7	2500	Nb	10	-	10	•
Southampton (Calshot)	991·9	-6	SE	6	o	44	85	7	1500	St	10	-	10	0
Dungeness	995·7	-6	S	4	c+	40	97	7	4000	Cu	8	-	8	•
Guernsey	987·3	-9	SE'S	8	oph₀	42	97	7	800	Nb	10	-	10	•

Observations at 1800 G.M.T. 8th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form.	Cloud Total Amt. 0–10	Sea. 0–9
Lerwick	1011·3	-1	SSE	2	o	39	75	6	5700	StCu	6	ASt	10	1
Stornoway	999·5	+2	SE	7	o+	39	75	8	450	St	10	-	10	6
Wick	1005·3	0	SE	6	o/s	38	92	8	800	St	10	-	10	7
Castlebay	998·1	+1	E	6	b-	41	75	7	2500	Cu	3	-	3	7
Nairn	1003·0	•	SE'E	4	c	37	75	8	1500	St	8	-	8	•
Aberdeen	1006·0	0	ESE	7	or₀	36	85	6	1500	Nb	10	-	10	7
Malin Head	990·3	+2	E	8	or₀r₀	39	92	7	4000	Nb	8	ASt	10	7
Renfrew	997·7	0	E	6	o	37	75	6	2500	St	10	-	10	•
Edinburgh (Inchkeith)	1000·3	-1	ESE	5	oph₀	35	85	8	•	Nb	10	-	10	3
Leuchars	1004·7	0	E	8	oh₀(r₀)	36	75	7	800	Nb	10	-	10	•
Eskdalemuir	997·2	-2	ENE	7	o	32	75	6	1500	StCu	10	-	10	•
Tynemouth	999·6	-2	SE	5	oh₀(r₀)	36	85	6	800	Nb	10	-	10	7
Blacksod Point	982·3	0	SSW	7	o	45	75	5	•	•	•	•	10	8
Donaghadee	991·8	+1	ESE	9	od₀	40	85	7	450	St	10	-	10	8
Birr Castle	980·7	•	E	5	or	42	85	6	1500	Nb	10	-	10	•
Holyhead	986·6	-2	ENE	7	b	37	92	6	~~4000~~	~~St~~	0	-	0	6
Liverpool (Bidston)	989·9	-2	E	7	o/r	33	85	7	1500	St	10	-	10	7
Chester (Shotwick)	991·1	-1	ENE	6	o	34	85	5	800	St	10	-	10	•
Spurn Head	996·9	-3	SSE	8	o	33	92	7	4000	StCu	10	-	10	6
Birmingham (Edgbaston)	990·7	-5	E	6	o/s	33	92	3	1500	St	10	-	10	•
Nottingham	993·9	-3	E	5	os₀s₀	30	92	8	1500	Nb	10	-	10	•
Cranwell	995·9	-2	E'S	4	oss	29	97	5	800	Nb	10	-	10	•
Gorleston	998·1	-2	ESE	7	o	31	85	7	4000	Nb	5	ASt	10	6
Valencia (Cahirciveen)	973·7	+4	E	4	c+	50	65	7	2500	StCu	6	ASt	8	4
Roches Point	975·3	0	SE	6	o	46	97	6	1500	St	10	-	10	7
Pembroke (St. Ann's H.)	980·5	-2	ESE	8	orr	43	97	7	1500	Nb	10	-	10	6
Ross-on-Wye	987·3	-5	E'S	5	o	39	85	5	450	St	10	-	10	•
Leafield	988·8	-5	E'N	4	fo+	35	97	2	<150	St	10	-	10	•
Andover	987·2	-5	E'S	4	o/r	41	92	7	1500	Nb	10	-	10	*
S. Farnborough	989·0	-5	ENE	3	o/r	39	97	6	1500	St	10	-	10	•
London (Kew Obsy.)	989·8	-6	E	4	o/r	38	97	4	2500	St	10	-	10	•
Croydon	990·4	-5	E	3	of₀+	37	97	4	450	St	10	-	10	•
Clacton-on-Sea	993·7	-3	NE	4	os₀s₀	34	97	4	1500	St	10	-	10	4
Shoeburyness	992·3	-5	SE	7	or₀	35	85	5	1500	St	10	-	10	•
Grain	991·6	-6	E	6	o/r	36	92	6	800	St	10	-	10	
Lympne	991·2	-6	E	5 ~~9(7)~~	odd₀	35	97	3	<150	Nb	10	-	10	•
Scilly (St. Mary's)	974·0	-3	SE	4	opr₀	49	97	6	4000	CuNb	4	ASt	10	6
Falmouth (Pendennis)	975·8	-2	SE'E	6	o	48	92	7	4000	Nb	10	-	10	5
Plymouth (Cattewater)	979·2	-4	ESE	3	or₀	45	92	7	1500	St	10	-	10	3
Portland Bill	982·1	-6	SE	7	orr	43	92	7	2500	Nb	10	-	10	6
Southampton (Calshot)	986·3	-7	E'S	6	or₀+	43	92	7	800	Nb	10	-	10	6
Dungeness	990·5	-6	SE	5	o	40	97	7	4000	StCu	10	-	10	5
Guernsey	981·3	-6	SE	7	o/r	43	97	7	1500	St	10	-	10	7

London Observations.

London Observations.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
		24 Hours ended 0900 G.M.T. 9th.								Yesterday.		To-day.	
Kew } 24 hours ended 0700	18	od₀o₀r	od₀of	om₀m₀r₀	•	•	27	0·5	1	0·0		•	4
Croydon } 24 hours ended 0700	244	omd₀d₀s	od₀d₀	orssf	•	•	27	0·2	4	0·0	•	•	4
Greenwich (Royal Obsy.)	149	od	od	ods	30?	27	•	0·3	6	0·0	94	84	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	41	27	23	?	?	0·0	94	91	•
Regent's Pk. (Botanic Gdns).	66	•	•	•	•	•	•	•	•	0·0	•	•	•
Camden Square	110	fd	fod	•	38	26		0·5	3	•	•	96	•
Kensington Palace	80	o	o	•	39	26		0·6	5	•	{At 18h 100	100	•
Hampstead Observatory	450	•	•	•	31?	24		1	1	0·0		37	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 8th.

	Max.	Time.	Min.	Time.
South Kensington				
Kew Observatory	0·9	7th 18h	0·3	8th 6h
	0·8	8th 12h		

Pole Star Record at Greenwich Obsy.

Exposure from 8th 17h. 00m. to 9th 07h. 00m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14·00	0 0	0
δ Ursae Minoris	14·00	0·0	0

Code for State of Ground.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h	GC₂	6	-	25°
19h	C	5	-	170°
1h	C	5	-	150°
7h	C	5	-	140°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

9th/10th January, 1924.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·3 / 8·3	12·0 / 12·1	3·57 / 3·59
Greenwich	8·5 / 8·5	12·7 / 12·8	4·9 / 4·11
Wick	8·59 / 8·58	12·19 / 12·20	3·40 / 3·42
Valencia	8·48 / 8·48	12·48 / 12·49	4·48 / 4·50

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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 ₀ indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height) / before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
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.
− = "decreasing". + = "increasing."

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

Sea Disturbance.

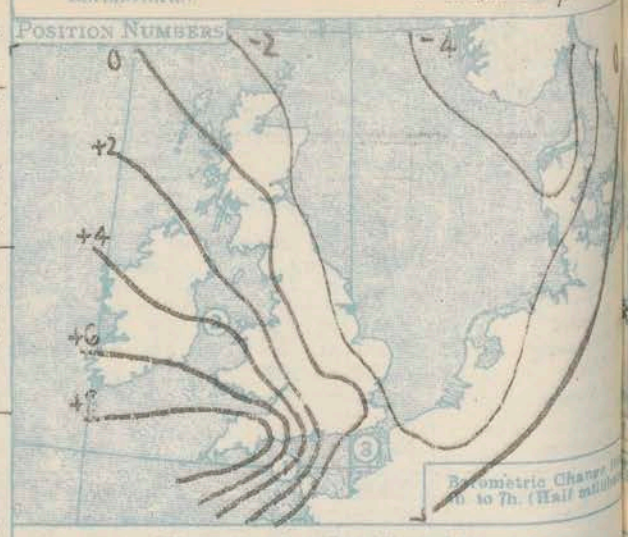
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.–13h. 8th.	WEATHER. 13h.–18h. 8th.	WEATHER. 18h.–8th to 1h. 9th	WEATHER. 1h.–7h. 9th	TEMPERATURE. MAX. Day. 7h.–18h.	TEMPERATURE. MIN. Night. 18h.–7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.–18h. mm.	RAINFALL.† Night. 18h.–7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began.	SUN. 8th Hours.
Lerwick	cq	c	oqs	oqs	41	25	•	trace	1	<0800	2400	0·0
Stornoway ...	bc	c	b-bc	bcpnq	41	30	•	–	0·2	–	–	1·4
Wick	oirₒqy	oirₒh.	oo	cirₒh	40	30	•	0·5	0·2	1230	01·30	•
Castlebay	oo	obc	bco	o	42	33	•	–	–	–	–	0·0
Nairn	oqqc	cqq	qcspq	bcxb	41	23	•	–	0·2	–	–	0·0
Aberdeen	oqirₒ	oqrₒp	prₒqo	oosq	38	27	22	0·3	0·4	0900	<2100	0·0
Malin Head	omm	omrₒ	orₒ	pocq	43	34	•	0·6	0·1	1230	<2100	0·0
Renfrew	oqz	opₒq	oqsₒ	oqsₒ	39	27	26	trace	Trace	1530	<2100	0·0
Edinburgh (Inchkeith)	oo	prsph	osₒsₒ	phs	38	28	•	0·2	0·2	1230	<2100	0·0
Leuchars	oqoq	orₒisₒ	crₒhq	ophₒqx	39	26	23	1	0·3	1330	<2100	0·0
Eskdalemuir	oqoq	oq	opsₒqpr	bqb	34	22	7	–	Trace	–	<2100	0·1
Tynemouth	oq	irₒhq	isₒq	isₒq	39	30	29	trace	0·1	1330	<2100	•
Blacksod Point ...	p	-oo	oo	c	46	35	•	1	0·1	–	–	•
Donaghadee	oq	oqd	oq	oq	41	33	•	trace	0·2	1530	<2100	•
Birr Castle	qirₒ	oirq	orlₒ	co	46	33	32	2	0·3	<0800	<2100	0·0
Holyhead	bcom	ocb	bbcb	ps	41	33	32	–	Trace	–	24·00	0·0
Liverpool (Bidston) ...	dosm	h		cbm	36	29	26	1	–	1230	–	0·0
Chester (Shotwick) ...	ordom	oirsₒ	omq	oQom	37	30	28	0·2	–	<0800	–	0·0
Spurn Head ...	coq	coq	oo	opsₒ	35	31	•	–	Trace	–	02·30	0·0
Birmingham (Edgbaston)	oirₒff	orsₒff	olsₒ	olsₒ	35	26	25	1	0·2	<0800	<21·00	0·0
Nottingham	oo	sₒsₒ	sₒsₒ	sₒ	34	28	27	0·3	Trace	1230	<2100	0·0
Cranwell	oo	oms	osₒsₒ	osₒmo	33	28	26	1	0·5	1230	<2100	0·0
Gorleston	oq	oqx	oqx	oqx	35	28	27	–	–	–	–	0·0
Valencia (Cahirciveen)	occc	bcc	o	oor	50	38	36	4	4	<0800	02·30	0·6
Roches Point	rro	oo	or	rro	49	39	•	10	3	<0800	22·00	
Pembroke (St. Ann's H.)	oqrr	oqrr	oo	cqor	46	30	•	11	3	<0800	<2100	0·0
Ross-on-Wye	dcom	idmbₒ	cdqrsq	s's	41	25	25	0·6	3	<0800	<2100	0·0
Leafield	dffo	ffodd	sosₒ	sosₒ	38	23	22	1	1	<0800	22·00	0·0
Andover	omdₒ	obro	orro	oosₒsₒ	43	27	26	1	2	<0800	<2100	0·0
S. Farnborough ...	dodof	ofdₒor	orss	sₒsₒ	40	25	23	1	1	<0800	22·00	0·0
London (Kew Obsy.) ...	ofdₒofq	ofdof	omomrq	omrsₒm	40	28	27	0·5	2	<0800	22·00	0·0
Croydon	omdₒdₒ	omdₒdₒ	orssf	osₒ'ssₒ	40	27	26	0·2	4	<0800	<2100	0·0
Clacton-on-Sea ...	cogm	ogmdsr	ogds	ogpr	38	29	28	1	0·3	1530	<2100	0·0
Shoeburyness ...	borom	ormoirq	ocrₒq	pfofₒq	39	28	26	1	4	1100	<2100	0·0
Grain	rorm	orom	omo	osso	38	29	29	0·3	1	1230	0430	0·1
Lympne	omr	ofdₒdₒ	omsₒ	omsₒ	38	28	26	1	1	0900	<2100	0·0
Scilly (St. Mary's) ...	orqc	cq	bc	cₒpq	50	41	•	8	3	<0800	02·30	1·6
Falmouth (Pendennis)	oqr	oqrcoq	cor	orqco	49	38	•	9	12	0900	<2100	0·1
Plymouth (Cattewater)	orrq	orrq	orr	or	47	?	?	18	11	<0800	22·00	0·0
Portland Bill	c	r-d	r-d	r-d	46	33	•	4	5	1230	<2100	•
Southampton (Calshot)	oo	orₒrₒ	orrdₒ	osrm	44	31	30	0·1	4	1630	<2100	0·0
Dungeness	c	c	rsrsq	qrsrs	41	32	•	trace	4	1230	<2100	•
Guernsey	orₒrₒq	orroq	oq	odₒo	45	41	•	8	0·4	1100	–	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	8th. 10.00	–	ESE	8	o	44	46
1	8th 12.00	"Ibex"	SSE	7	r+	46	49
3	9th 02.00	"Arundel"	E	6	prsₒ	40	49

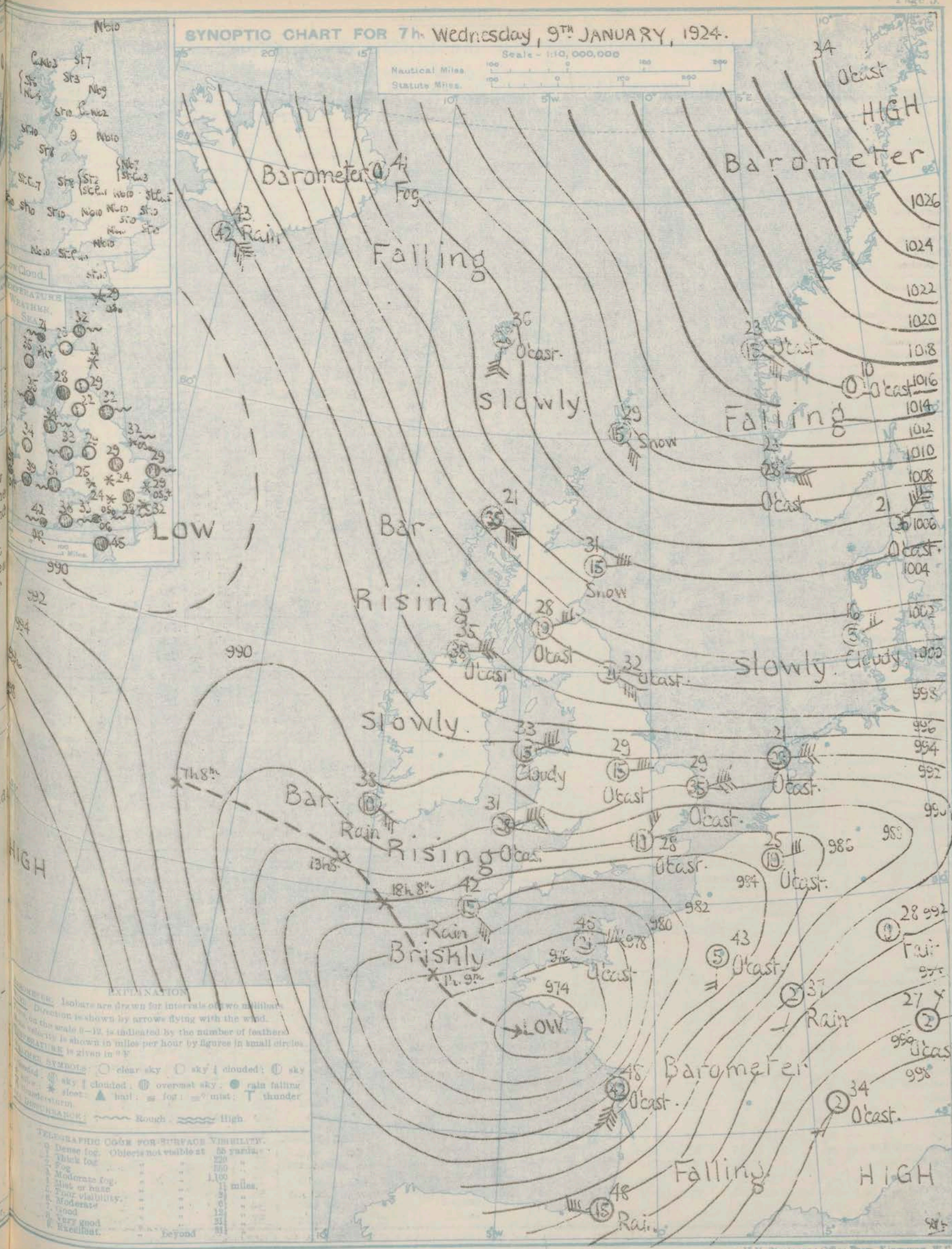
GENERAL INFERENCE.

The deep depression is now over Northwest France, and another is situated southwest of Iceland. Winds will be less strong but will continue east or northeast in the South and east or southeast in the North, with cold weather and showers of snow in places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 9th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind E. or N.E., moderate or fresh, strong locally; mainly cloudy, snow showers in places; visibility mainly moderate; cold and frosty.	Continuing cold ----------
4. W. Midlands 5. S.W. England 6. South Wales	Wind northeasterly, light or moderate; variable cloud, local sleet or snow showers; visibility mainly moderate; cold and frosty.	
7. North Wales 8. N.W. England 9. N. Midlands	Wind easterly, moderate, fresh in places; variable cloud, local snow showers; visibility mainly moderate; cold and frosty.	South Cone still flying. North Cone still flying.
10. N.E. England 11. E. Scotland 12. S.W. Scotland	Wind E. or S.E., moderate or fresh, strong in places; variable cloud, local snow showers; visibility mainly moderate; cold and frosty.	----------
13. Isle of Man	As 7 - 9.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 10 - 12.	
17. N.W. Ireland 18. N.E. Ireland	As 7 - 9.	
19. S.E. Ireland 20. S.W. Ireland	Wind indefinite or easterly, light or moderate, variable cloud, local showers of sleet or snow; visibility mainly moderate; cold and frosty.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 1000 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Wednesday, 9th January 1924. No. 9

Stations	Height above M.S.L. in feet	0100 G.M.T. 9th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility.§ 0–9	Cloud Height Feet	Low Form	Low Amt. 0–10	Upper Form	Total Amt. 0–10	0700 G.M.T. 9th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility.§ 0–9	Cloud Height Feet	Low Form	Low Amt. 0–10	Upper Form	Total Amt. 0–10	Sea 0–9
Lerwick	54	1011·5	+2	ESE	4	cs	29	85	6	4000	Nb	8	–	8	1009·3	−3	SE	4	os₀	29	97	5	4000	Nb	10	–	10	3
Stornoway	51	1001·2	−1	SE	6	bc-	•	•	5	•	•	•	•	•	1001·0	0	SE	7	bPR+	31	85	8	4000	CuNb	3	–	3	6
Wick	81	1007·9	0	SE	5	o	35	92	9	300	St	10	–	10	1002·6	−2	E	5	c	32	97	8	800	St	7	–	7	6
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•	998·6	+1	ESE	4	o	35	75	8	2500	St	10	–	10	4
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1001·1	•	–	0	b-	23	75	8	1500	St	3	–	3	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	1001·4	−2	E	4	os₀	31	75	6	1500	Nb	9	–	9	4
Malin Head	71	994·1	+1	E	9	or₀	39	92	7	4000	Nb	6	ASt	10	995·7	+2	E	7	o	35	85	8	4000	Nb	4	ASt	9	7
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•	998·9	+1	ENE	3	o/sh	28	92	6	1500	St	10	–	10	•
Edinburgh (Inchkeith)	190	998·5	−2	ESE	5	o/s·h	33	85	8	•	St	2	ASt	10	997·7	0	E	5	b/sh	29	97	8	•	CuNb	2	–	2	3
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•	998·1	−3	SE'E	6	oph	28	92	7	300	Nb	10	–	10	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	997·1	−1	NE	4	b	22	75	7	–	–	0	ASt	1	•
Tynemouth	118	998·9	0	ESE	5	o/sh	32	85	7	1500	Nb	10	–	10	996·3	−3	ESE	5	o/sh	32	97	7	900	Nb	10	–	10	6
Blacksod Point	16	988·4	+2	ESE	8	opo	39	85	3	•	•	•	•	10	992·3	+4	E	6	o	39	65	7	•	•	•	•	9	7
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•	995·2	+2	ENE	7	c-	34	75	8	450	St	8	–	8	7
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	988·6	•	E	3	c-	34	85	4	4000	StCu	7	–	7	•
Holyhead	26	988·3	+2	E'N	8	bc/sh	34	92	9	1500	Nb	6	–	6	990·8	+4	E'N	7	c/sh	33	[illegible]	7	1500	St	8	–	8	7
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	992·2	+1	ENE	4	b+	[illegible]	97	6	2500	St	3	–	3	4
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	992·3	0	ENE	3	o	30	75	5	2500	StCu	10	–	10	•
Spurn Head	26	993·6	−2	E	7	o	32	97	7	2500	St	10	–	10	991·7	−1	E	6	os₀	32	?	9	2500	Nb	10	–	10	6
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•	990·4	+1	ENE	5	o/sh	27	75	4	1500	St	10	–	10	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•	991·3	−1	E	4	o	[illegible]	92	8	1500	Nb	10	–	10	•
Cranwell	237	993·4	−2	E	4	os₀s₀	29	95	6	300	Nb	10	–	10	[illegible]	−2	E	3	o	[illegible]	75	6	1500	St	10	–	10	•
Gorleston	13	994·7	−2	E'N	3	o	29	97	7	4000	Nb	7	ASt	10	[illegible]	−2	E'N	7	o	[illegible]	97	7	5700	StCu	5	ASt	10	•
Valencia (Cahirciveen)	30	992·7	+5	SE	2	c	45	97	8	–	St	7	–	7	989·7	+6	ESE	3	orr	38	92	6	1500	St	10	–	10	4
Roches Point		•	•	•	•	•	•	•	•	•	•	•	•	•	989·2	+6	NE	1	o	39	97	7	2500	St	10	–	10	1
Pembroke (St. Ann's H.)	149	981·0	+2	NE	7	c	36	92	7	1500	Nb	8	–	8	987·2	+5	ENE	6	o	31	85	7	1500	St	10	–	10	6
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	989·4	+2	NE'E	4	os-	25	35	6	2500	Nb	10	–	10	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•	987·9	+1	NE	7	os₀s₀	24	97	5	5700	Nb	10	–	10	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•	985·2	0	NE'E	6	os₀s₀	27	92	7	1500	Nb	8	ASt	10	•
S. Farnborough	236	•	•	•	•	•	•	•	•	•	•	•	•	•	985·8	+1	NE	3	os₀s₀	27	97	7	1500	Nb	10	–	10	•
London (Kew Obsy.)	18	•	•	•	•	•	31	•	•	•	•	•	•	•	[illegible]	+2	NE	3	o/sh	28	75	4	1500	St	10	–	10	•
Croydon	244	986·9	−3	ENE	6	oss	30	97	3	225	St	10	–	10	[illegible]	0	NE'N	4	os₀s₀	28	97	4	450	St	10	–	10	•
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	981·8	−2	NE	4	os₀+	29	97	5	800	St	10	–	10	4
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	987·0	−1	E	7	os₀	30	75	7	450	St	10	–	10	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•	986·9	−1	ENE	4	os₀	31	85	7	800	Nb	10	–	10	3
Lympne	350	986·8	−5	E	6	os₀s₀	30	85	4	800	Nb	10	–	10	995·0	−2	E	6	os₀s₀	30	97	4	800	Nb	10	–	10	•
Scilly (St. Mary's)	131	973·3	0	ESE	3	bc+	46	97	7	4000	StCu	4	–	4	982·1	+9	SE	4	oR	42	92	7	4000	Nb	10	–	10	6
Falmouth (Pendennis)	200	973·8	−2	ESE	5	or	48	85	7	4000	Nb	10	–	10	981·9	+9	NE'E	5	o	38	85	7	4000	StCu	10	–	10	1
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	981·8	+9	NE	6	o	34	85	7	450	StCu	10	–	10	7
Portland Bill	19	979·9	−4	E	9	orr	43	85	7	2500	Nb	10	–	10	990·9	+6	ENE	9	oro	33	85	7	2500	Nb	10	–	10	•
Southampton (Calshot)	12	[illegible]	−3	ENE	6	oo₀	37	92	6	800	Nb	10	–	10	982·9	+1	NE	6	os₀	32	95	6	800	Nb	10	–	10	7
Dungeness	21	985·4	−4	E	7	orsrs	33	97	6	2500	Nb	10	–	10	985·7	0	E	7	orsrs	32	97	6	1500	St	10	–	10	5
Guernsey															977·4	+3	E	5	o/r	45	92	7	1500	St	10	–	10	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 8th January.

Stations	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 7th–8th °F.	Temperature Max. Day. 8th °F.	Rainfall† Night 17h.–9h. 7th–8th mm.	Rainfall† Day 9h.–17h. 8th mm.	Sunshine	Sunshine Sunrise to Sunset. 8th hr.
Montrose	opr	prsq	38	39	–	1		0·0
Berwick-on-Tweed	cgouv	qrshs	34	35	–	0·2		0·0
Llandudno	moe	modo	35	38	0·1	–		0·0
Colwyn Bay	o	o	33	38	–	–		0·0
Rhyl	cqc	cpc	32	37	–	0·3		0·0
Southport	opso	opso	31	36	–	–		0·0
Blackpool	oo	cq	32	35	–	–		0·0
Ilkley	o	ogrso	29	33	–	0·1		0·0
Harrogate	o	o	28	32	–	–		0·0
Skegness	oxo	ox	31	35	–	–		0·0
Aberystwyth	roo	o	37	44	1	–		0·0
Bath	og	opdr	37	45	1	0·3		0·0
Leamington Spa	oe	od	30	37	0·4	1		0·0
Lowestoft	o	o	31	35	–	–		0·0
Felixstowe	ogm	oms	35	37	–	1		0·0
Southend	codm	odm	32	42	–	1		0·0

Stations	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 7th–8th °F.	Temperature Max. Day. 8th °F.	Rainfall† Night 17h.–9h. 7th–8th mm.	Rainfall† Day 9h.–17h. 8th mm.	Sunshine	Sunshine Sunrise to Sunset. 8th hr.
Ilfracombe	o	or	42	46	–	1		0·0
Bude	oorr	rrod	41	49	–	5		0·1
Torquay	corr	r	44	47	0·2	12		0·0
Weymouth	or	or	42	48	1	2.		0·0
Bournemouth	o	o	40	45	0·3	1		0·1
Portsmouth (S'thsea)	co	op	41	45	1	0·4		0·1
Littlehampton	ocd	oc	41	43	–	–		0·0
Worthing	o	do	41	45	–	0·3		0·0
Brighton	o	ordr	39	44	0·2	0·5		0·2
Eastbourne	o	o	40	45	0·3	–		0·0
Hastings	omoco	od₀moe	38	43	0·4	0·2		0·0
Folkestone	oe	oe	35	40	–	1		0·0
Dover	omidu	iduom.	36	39	–	Trace		0·0
Tunbridge Wells	of	ofd	33	39	0·3	1		0·0
Ramsgate	ord	odom	35	44	–	0·1		0·0
Margate	or	orr	34	39	–	3		0·0
Deal	od	odo	35	37	–	Trace		0·0

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* Information for these stations not usually received. † Trace—rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. § See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22694 Thursday 10th January 1924.

Observations at 1300 G.M.T. 9th

Stations (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1006.4	-3	SE	4	cjp	33	85	6	4000	CuNb	6	Ci	7	•
Stornoway	998.8	-3	SE	3	b	32	85	8	4000	Cu	3	-	3	•
Wick	999.9	-4	SE	4	cs	30	97	8	2500	CuNb	8	-	8	•
Castlebay	997.1	-2	E	4	c+	33	92	8	1500	St	7	-	7	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	999.3	-4	E'S	4	bc/s	30	85	7	1500	CuNb	6	-	6	7
Malin Head	994.0	-3	SE'E	5	bc-	34	97	8	5700	StCu	5	Ci	6	•
Renfrew	998.0	-2	ENE	2	b-	28	85	5	4000	StCu	1	-	1	7
Edinburgh (Inchkeith)	997.6	0	E	1	bjp	32	85	8	•	CuNb	2	ACu	3	•
Leuchars	997.9	-2	E	3	c/h	32	65	8	4000	CuNb	8	-	8	3
Eskdalemuir	996.9	-1	NE'N	4	b	26	85	7	-	-	0	-	0	4
Tynemouth	996.5	-1	ESE	3	cjp	33	97	6	1500	CuNb	7	-	7	•
Blacksod Point	993.0	-0	SSE	4	o	36	85	8	•	•	•	•	10	•
Donaghadee	996.4	0	E'N	4	bc-	33	75	8	800	Cu	4	-	4	•
Birr Castle	991.8	*	SE	1	or	34	85	7	<150	StCu	9	-	9	•
Holyhead	993.4	+1	E'N	5	bc-	34	75	6	2500	StCu	5	-	5	0
Liverpool (Bidston)	993.7	+1	ENE	2	c+	30	86	3	1500	St	7	-	7	•
Chester (Shotwick)	993.8	+1	NE	2	o	31	75	5	2500	StCu	9	-	9	1
Spurn Head	993.6	+2	E	4	oss	30	97	6	1500	St	10	-	10	•
Birmingham (Edgbaston)	992.5	+3	NE	5	mmc	29	75	4	2500	CuNb	8	-	8	3
Nottingham	993.0	+2	E	4	b-	30	97	8	2500	Cu	1	-	1	•
Cranwell	993.6	+2	E	3	bc+	30	85	8	2500	Cu	6	•	6	7
Gorleston	991.9	0	ENE	6	oss	30	85	4	4000	Nb	10	•	10	•
Valencia (Cahirciveen)	991.8	-1	SE'E	3	or₀	39	92	7	1500	St	7	ASt	10	2
Roches Point	992.8	+2	NE	1	o	36	92	7	2500	StCu	10	-	10	•
Pembroke (St. Ann's H.)	992.3	+2	NE	3	c	32	92	7	2500	StCu	8	-	8	•
Ross-on-Wye	992.2	+2	ENE	3	c-	29	75	7	4000	StCu	7	ACu	8	7
Leafield	990.9	+4	NE	4	o-	27	75	6	-	-	0	ACu	10	*
Andover	989.2	+3	NE'N	4	o/s	29	85	8	2500	St	10	-	10	7
S. Farnborough	989.6	+4	NE	3	o/s	29	75	6	1500	Nb	10	-	10	3
London (Kew Obsy.)	989.9	+3	NE	4	o	31	65	5	1500	St	10	-	10	7
Croydon	989.8	+4	NNE	4	oss₀	29	85	5	450	St	10	-	10	7
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	989.4	+2	NE	6	oss₀	31	85	7	450	St	10	-	10	•
Grain	989.4	+4	NE	5	oss₀	31	97	6	800	Nb	10	-	10	7
Lympne	987.1	+2	NE	5	oss	31	97	5	800	Nb	10	-	10	8
Scilly (St. Mary's)	990.7	+8	N'E	3	o	39	92	7	4000	StCu	10	-	10	•
Falmouth (Pendennis)	990.3	+3	-	0	c-	35	75	7	5700	StCu	8	-	8	•
Plymouth (Cattewater)	990.6	+7	N	3	o	33	85	6	800	St	9	-	9	2
Portland Bill	988.3	+8	NE	5	oqs(h)	31	85	7	2500	Nb	10	-	10	•
Southampton (Calshot)	988.5	+4	NNE	4	os₀	31	75	6	1500	Nb	10	-	10	7
Dungeness	986.6	+1	ENE	6	oqf	33	97	7	2500	St	10	-	10	•
Guernsey	986.3	+9	NNE	6	o	38	97	7	1500	St	10	-	10	•

Observations at 1800 G.M.T. 9th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1003.1	-4	SE	3	ops₀	29	85	6	4000	Nb	10	-	10	2
Stornoway	995.4	-3	SE	5	bc	30	85	8	4000	Cu	4	-	4	4
Wick	998.1	-2	SSE	4	oss	29	97	5	2500	Nb	10	-	10	4
Castlebay	993.3	-5	ENE	4	ojp	33	97	7	1500	Nb	10	-	10	4
Nairn	997.4	•	-	0	b	23	75	9	4000	Cu	2	-	2	•
Aberdeen	998.9	0	SE	5	os	29	85	6	1500	CuNb	9	-	9	5
Malin Head	994.4	-3	SE	5	c+	31	97	8	5700	StCu	3	ASt	7	4
Renfrew	997.6	-1	E	2	fb+	25	92	3	-	-	0	-	0	•
Edinburgh (Inchkeith)	997.3	0	S	1	b	27	97	8	•	St	1	-	1	0
Leuchars	997.5	0	N	1	c/s	25	97	6	4000	CuNb	7	-	7	•
Eskdalemuir	997.5	0	NE	3	bc	19	92	7	2500	StCu	4	-	4	•
Tynemouth	996.9	+2	SE	3	os₀	31	97	6	1500	Nb	10	-	10	5
Blacksod Point	987.2	-2	E	5	o/s	34	85	7	•	•	•	•	10	8
Donaghadee	995.4	0	E	4	c+	35	75	8	450	St	8	-	8	5
Birr Castle	990.3	•	ESE	2	os₀	32	97	5	2500	Nb	10	-	10	•
Holyhead	995.0	+2	ESE	4	c	32	92	8	2500	StCu	7	-	7	3
Liverpool (Bidston)	996.3	+2	ENE	2	mmc	27	85	4	1500	St	7	-	7	2
Chester (Shotwick)	996.4	+3	ESE	1	b	25	85	5	-	-	0	-	0	•
Spurn Head	996.2	+9	E	6	od	32	92	7	1500	St	10	-	10	6
Birmingham (Edgbaston)	995.3	+4	NNE	3	o	28	75	5	2500	StCu	9	-	9	•
Nottingham	995.8	+3	ENE	2	b	26	97	6	-	-	0	-	0	•
Cranwell	996.3	+2	N'E	1	bc	22	85	7	2500	St	4	ACu	6	•
Gorleston	994.4	+2	ENE	4	o	31	85	7	4000	CuNb	10	-	10	4
Valencia (Cahirciveen)	986.3	-8	SE'S	6	orr	42	85	6	800	St	10	-	10	6
Roches Point	989.6	-2	SE	5	orr	40	97	7	2500	Nb	10	-	10	7
Pembroke (St. Ann's H.)	995.1	+4	NE	2	bc	31	92	7	2500	St	4	-	4	6
Ross-on-Wye	996.2	+4	NE'E	2	o+	28	65	6	1500	St	10	-	10	•
Leafield	995.3	+5	N	2	b	21	97	5	-	-	0	ACu	1	•
Andover	994.4	+7	NNE	4	b-	27	85	7	2500	StCu	2	CiSt	3	2
S. Farnborough	994.3	+6	N	2	o	28	75	6	1500	St	10	-	10	•
London (Kew Obsy.)	994.8	+7	N'E	2	o	30	75	5	1500	St	10	-	10	•
Croydon	994.1	+6	NNE	3	o	29	92	4	800	St	10	-	10	•
Clacton-on-Sea	992.6	+5	NNE	3	o	31	92	5	2500	St	10	-	10	3
Shoeburyness	992.8	+5	NE	4	o/s	30	85	7	450	St	10	-	10	•
Grain	993.3	+4	NE'N	4	o/s	30	92	6	800	St	10	-	10	0
Lympne	991.4	+5	NNE	4	os₀s₀	32	97	5	800	Nb	10	-	10	•
Scilly (St. Mary's)	995.5	+3	-	0	o	39	92	6	4000	StCu	5	ASt	10	2
Falmouth (Pendennis)	994.9	+2	SE	1	c-	33	75	7	4000	StCu	7	-	7	0
Plymouth (Cattewater)	995.4	+4	ESE	1	b-	32	92	7	2500	StCu	1	CiSt	2	1
Portland Bill	995.2	+6	NNE	3	b	31	85	7	-	-	0	-	0	6
Southampton (Calshot)	995.0	+8	N	3	o	31	75	7	1500	St	10	-	10	0
Dungeness	991.4	+5	NE	4	o	33	97	7	4000	Nb	10	-	10	5
Guernsey	995.4	+10	NNW	4	os₀s	35	92	6	1500	St	10	-	10	3

London Observations

24 Hours ended 0900 G.M.T. 10th (Kew, Croydon: 24 hours ended 0700)

London Observations.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	omg, s₀	o/m	om, scm	•	•	29	Tr	1	0.0	•	•	2
Croydon	244	os, s, m	os m	fm s ss d	•	•	28	?	1	0.0	•	•	3
Greenwich (Royal Obsy.)	149	0	0	osro	39	24	28	-	0.3	0.0	79	95	3
City (Bunhill Row)	89	•	•	•	•	•	•	•	•	0.0			•
Westminster (St. James' Pk.)	27	•	•	•	37	28	27			0.0			
Regent's Pk. (Botanic Gdns).	[illegible]	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	0	0	•	42	26	29	-	1	•	•	94	•
Kensington Palace	80	ox	ox	•	35	[illegible]	28	-	1	•	At 18h	90	•
Hampstead Observatory	450	•	•	•	36	25	14	-	2	0.0	69	98	•

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 9th

South Kensington

Max.	Time.	Min.	Time.

Kew Observatory

Max.	Time.	Min.	Time.
1.0	1400 8th	<0.3	0100 9th
0.5	1000 9th		

Pole Star Record at Greenwich Obsy.

Exposure from 9th 17 h. 00 m. to 10th 07 h. 00 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14 0	Nil	0
δ Ursae Minoris	14 0	Nil	0

Code for State of Ground.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C,C₂	6	-	155°
18h.	C,C₂	6	-	140°
01h.	C,C₂	6	.	155°
07h.	C,C₂	6	-	120°

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom.

10th-11th January, 1924.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.3	12.1	3.59
	8.2	12.1	4.00
Greenwich	8.5	12.8	4.11
	8.4	12.8	4.12
Wick	8.58	12.20	3.42
	8.57	12.20	3.43
Valencia	8.48	12.49	4.50
	8.47	12.49	4.51

Beaufort Notation of Weather.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⋓ = lunar halo.

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; − = "decreasing": + = "increasing."

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

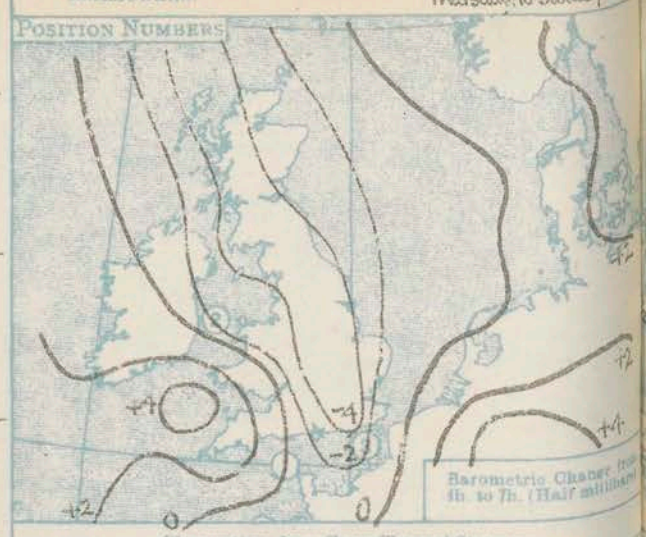
Sea Disturbance.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 9a.m.	13h.-18h. 9p.m.	16h. 9a.m. to 1h. G.M.T.	1h.-7h. 9p.m.	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 9a.m. Hours.
Lerwick	cps	cps	bc	bc	31	24	•	0.1	Trace	<0800	<2100	0.0
Stornoway	b·bc	bc	bbc	c	32	24	•	^	-	-	-	2.4
Wick	oisq	ishss	osbb	c	32	28	•	4	1	<0800	<2100	•
Castlebay	obc	so	cu	osb	35	31	•	-	Trace	-	-	2.4
Nairn	bbc	bexb	bxbc	bccq	27	18		-	-	-	-	4.6
Aberdeen	cps	oqiso	phqbc	bbbq	31	28	23	2	0.3	<0800	<2100	0.0
Malin Head	cox	bccd	coss	oso	42	29		-	2	-	2400	2.6
Renfrew	b·bc	bmuf	bfufm	ucos	29	21	14	Trace	0.3	<0800	0530	1.4
Edinburgh (Inchkeith)	ps	b	b	c	?	24		1	-	<0800	-	3.4
Leuchars	ajcopn	ophbso	osox	bxqbsq	32	24	7	0.6	0.2	<0800	<2100	0.6
Eskdalemuir	opsb	bbc	cbox	oxos	26	14	14	0.1	0.5	1100	-	5.4
Tynemouth	psq	cisoq	oisq	oifq	30	29	27	0.3	Trace	<0800	<2100	•
Blacksod Point ...	oo	s(rs)	s/rs	c	40	30	•	0.2	3	—	-	•
Donaghadee	bcq	ops	ops	opq	35	31	•	Trace	1	1330	0330	•
Birr Castle	co	cos	cbis	bq	35	31	28	0.2	6	1630	<2100	0.0
Holyhead	cbcm	bcc	bcos	sq	34	29	19	-	4	-	2400	2.6
Liverpool (Bidston) ...	bcm	c			31	26	25	-	4	-	2400	0.0
Chester (Shotwick) ...	om	oqsbc	bimxq	bossmxq	31	24	14	Trace	3	1130	0230	0.1
Spurn Head	s-rs	ops	opso	s/rs	33	31	•	Trace	Trace	<0800	0330	0.0
Birmingham (Edgbaston)	cbcc	cbcmo	opc	bcos	29	24	15	-	1	-	0230	1.3
Nottingham	o	so	bcc	s	30	25	25	-	2	-	0330	2.6
Cranwell	oc	c	oo	omos	30	22	20	Trace	1	1330	0330	1.1
Gorleston	oqss	oqsio	oo	oo	31	31	28	Trace	-	1100	•	0.0
Valencia (Cahirciveen)	oor	oor	opb	bcb	42	41	32	2	6	<0800	<2100	0.0
Roches Point	osrs	orr	ro	c	41	38	•	1	2	1100	<2100	•
Pembroke (St. Ann's H.)	oo	oo	oorq	o	33	?	•	-	3	-	1200	1.3
Ross-on-Wye	coc	cbcco	cbbc	oss	28	15	14	1	2	<0800	0330	1.2
Leafield	so	occcd	cos	cofs	28	18	10	-	1	-	0430	0.5
Andover	osso	oob	oo	oobl	29	22	18	Trace	2	<0800	0330	0.0
S. Farnborough ...	sso	oo	o	soccm	29	28	25	2	Trace	<0800	0330	0.0
London (Kew Obsy.) ...	omsmo	oim	om	omscm	31	30	19	Trace	1	0300	-	0.0
Croydon	ossmo	oiom	fm	osso	30	29	20	?	1	<0800	0430	0.0
Clacton-on-Sea ...	ocos	oc	o	o	31	30	21	0.3	-	<0800	•	0.0
Shoeburyness ...	osmom	osspr	ox	orrso	32	29	24	1	1	<0800	•	0.0
Grain	osso	osso	oso	oo	32	30	30	1	Trace	1100	<2100	0.0
Lympne	omo	omssm	osm	ormm	34	29	24	2	1	<0800	<2100	0.0
Scilly (St. Mary's) ...	o	oo	oRrq	bbq	45	39	•	0.3	12	<0800	<2100	0.0
Falmouth (Pendennis)	co	coc	orbr	corco	38	33	•	-	3	-	2400	0.0
Plymouth (Cattewater)	osso	oo	bor	orbpo	35	30	26	Trace	4	0300	2400	1.4
Portland Bill	srs	c	c	p	32	?	•	Trace	2	1100	2400	
Southampton (Calshot)	osmo	osmo	obo	orq	32	29	25	Trace	5	0300	0330	0.0
Dungeness	srs	oo	oo	rcl	35	34	•	2	1	<0800	<2100	•
Guernsey	oo	mo	oo	oc	44	33	•	0.1	2	0300	<2100	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Barometer
3	9th 0100	ARUNDEL	E	6	frs	40	49	5
2	" 1000	HIBERNIA	ENE	6	0	34	44	5

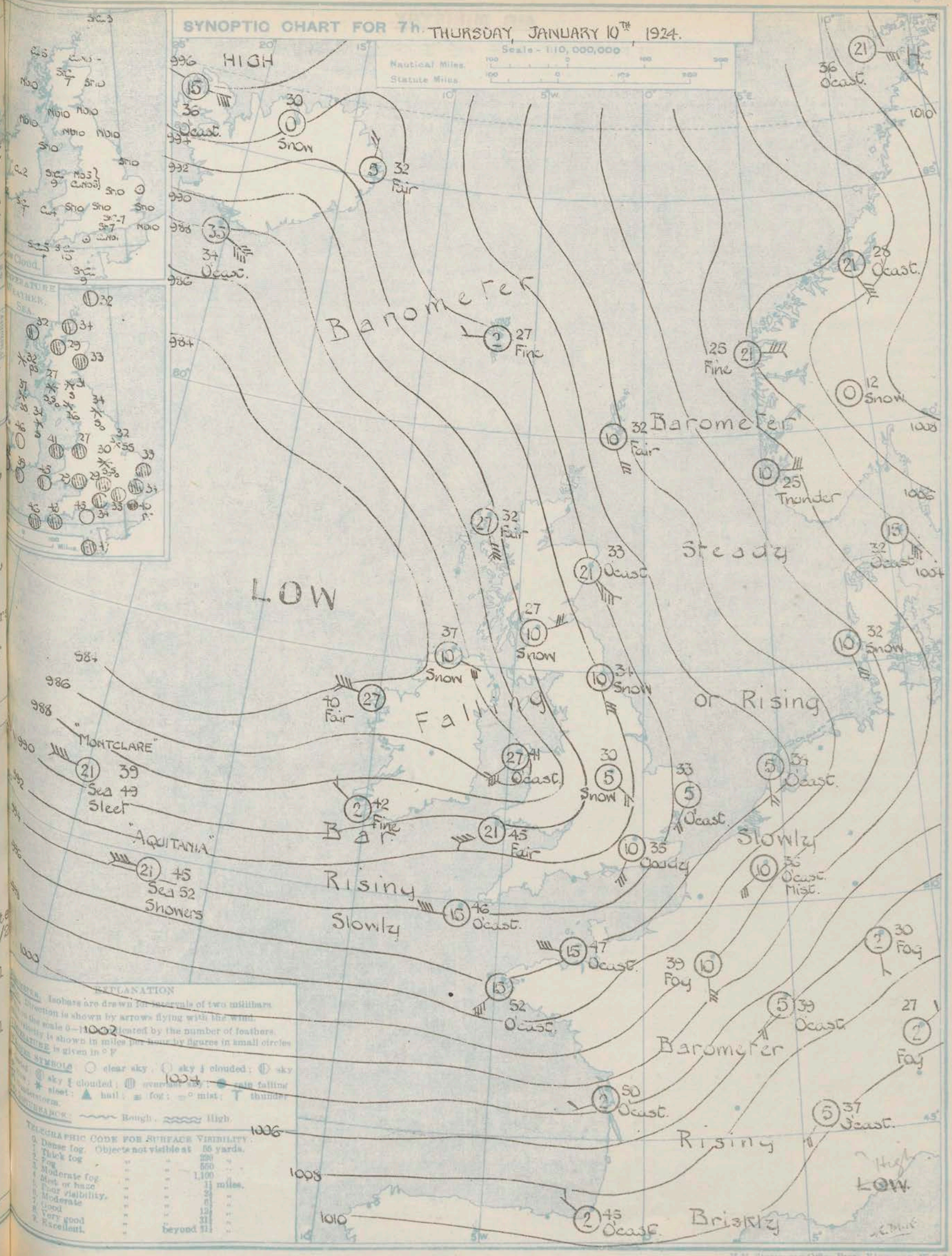
GENERAL INFERENCE.

A stationary depression is situated off the N.W. of Ireland, and a secondary trough over England is moving north. Winds will continue between S. and E. today over Scotland with mainly dull, cold weather and some snow, heavy in places. Farther South, winds will be SW'ly for a time with variable cloud, local showers of rain or sleet, and a higher temperature than of late. Another secondary is likely to approach later from the Southwest.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 10th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind W. or S.W., moderate or fresh, probably backing again later; mainly fair at first, risk of rain or sleet later; visibility moderate; temperature higher than of late.	Unsettled. ----------
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind W. or S.W., moderate or fresh, probably backing again later; fair intervals and local showers at first; risk of rain or sleet later; visibility moderate; temperature higher than of late.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Wind varying between S.W. and S.E., fresh or strong at times; weather improving temporarily, risk of further rain, sleet or snow later; visibility moderate; temperature rising somewhat.	▲North Cone hoisted 20.00 G.M.T. 9/1/24 △North Cone still flying. ▽South Cone still flying.
12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind southeasterly to southerly, strong at times; dull, some snow, improving temporarily; visibility bad at times; rather cold.	
17. N.W. Ireland 18. N.E. Ireland	As 8 - 10.	
19. S.E. Ireland 20. S.W. Ireland	As 5 - 7.	MK.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 10.05 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday, 10th January, 1924. No. 10

Observations at 0100 G.M.T. 10th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1000.4	-2	SSE	3	bc	32	92	6	4000	Cu	2	A St	4
Stornoway	51	993.4	-2	SE	4	bc	•	•	5	•	•	•	•	•
Wick	81	995.6	-2	S	4	b	33	94	8	4000	Cu	3	-	3
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	985.6	-5	SE½	5	oss	31	94	5	4000	Nb	10	-	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	996.2	-3	SSE	2	b	26	94	8	•	-	0	C-St	1
Lenchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	996.0	-2	SE	3	o/s	38	94	4	800	Nb	10	-	10
Blacksod Point	10	983.9	-3	-	0	0	36	94	4	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	989.8	-5	SE'E	5	os.s.	32	92	4	1500	Nb	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	995.6	-1	E	4	0	34	92	4	1500	St	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	996.4	0	ESE	1	0	28	92	6	2500	St	10	-	10
Gorleston	13	996.3	0	NE'E	3	0	34	85	4	-	-	0	A St	10
Valencia (Cahirciveen)	30	984.3	+1	NW	4	bc/b	44	94	8	•	Cu Nb	5	-	5
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	988.6	-5	SSE	4	ors	36	94	4	1500	Nb	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	239	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	30	•	•	•	•	•	•	•
Croydon	244	994.1	+1	-	0	0	29	94	5	800	St	10	-	10
Cleton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	996.0	+3	NE	2	0	31	92	5	800	St	10	-	10
Scilly (St. Mary's)	131	991.0	-2	W	4	bc-	44	85	5	4000	St Cu	4	-	4
Falmouth (Pendennis)	200	990.3	-3	NW	5	c/r	45	92	4	4000	Cu Nb	8	-	8
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	994.2	-4	S	3	orr	40	92	4	2500	Nb	10	-	10
Southampton (Calshot)	12	994.1	+1	SE'S	2	0	32	85	6	1500	St	10	-	10
Dungeness	21	996.1	+3	N	3	0	32	94	6	-	-	0	A St	10
Guernsey														

Observations at 0700 G.M.T. 10th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sunshine
Lerwick	999.8	0	SSE	3	bc	32	85	6	5000	St Cu	3	A St	3	1
Stornoway	988.3	-4	SSE	6	bc	32	85	4	4000	Cu	5	-	5	3
Wick	993.1	-3	S	4	bc	34	94	8	2500	Cu Nb	4	C St	5	4
Castlebay	986.2	-1	E	6	o/s	32	94	6	800	Nb	10	-	10	4
Nairn	990.4	•	-	0	C+	29	85	8	4000	St Cu	4	-	4	4
Aberdeen	993.8	-3	SE	5	0	35	45	4	1500	St	10	-	10	1
Malin Head	984.1	0	ESE	3	oss	34	94	5	4000	Nb	10	-	10	
Renfrew	990.2	-4	ENE	3	os.s.	24	94	5	1500	Nb	10	-	10	2
Edinburgh (Inchkeith)	990.9	-3	SSE	4	os.	31	94	8	•	Nb	10	-	10	•
Lenchars	991.4	[illegible]	SE	6	os.	33	65	6	800	Nb	10	-	10	•
Eskdalemuir	989.9	-6	ESE	5	oss	26	92	5	800	Nb	10	-	10	•
Tynemouth	992.0	-5	SSE	3	os.	34	94	6	800	Nb	10	-	10	
Blacksod Point	985.4	+3	WNW	6	bc1	40	65	4	•	•	•	•	5	5
Donaghadee	986.4	-4	ESE	6	os-	34	85	4	800	St	10	-	10	•
Birr Castle	987.5	•	W	1	b-	34.6	85	6	4000	Cu	2	-	2	4
Holyhead	989.8	-3	SW'W	6	0	41	45	4	1500	St Cu	9	-	9	4
Liverpool (Bidston)	987.6	-3	SE'E	4	o/s	24	92	5	1500	Nb	10	-	10	•
Chester (Shotwick)	988.6	-2	SE	4	0	28	94	5	2500	St Cu	9	-	9	
Spurn Head	992.3	-4	SSE	5	oss	32	94	5	1500	St	10	-	10	4
Birmingham (Edgbaston)	991.0	-3	S	3	o/s	30	85	5	1500	St	10	-	10	•
Nottingham	991.1	-4	SE	2	os.s.	30	94	4	1500	St	10	-	10	•
Cranwell	992.5	-5	SE	4	os.+	29	94	5	800	Nb	10	-	10	1
Gorleston	995.9	-1	SSW	2	0	35	85	6	-	-	0	A St	10	
Valencia (Cahirciveen)	989.2	+2	NW'W	1	b	42	65	8	4000	St	2	-	2	5
Roches Point	990.1	+3	NNW	1	C+	39	92	8	2500	St Cu	4	-	4	1
Pembroke (St. Ann's H.)	990.3	+5	WSW	5	bc	45	45	8	2500	Cu	4	-	10	5
Ross-on-Wye	991.5	-1	WSW	1	0	29	94	6	800	St	10	-	10	•
Leafield	991.7	-4	SW	4	o/s	29	94	4	2500	St	10	-		
Andover	991.4	-2	SW	2	fb	34	94	2	2500	St Cu	1	-	1	•
S. Farnborough	992.3	-2	SE	2	c-	34	94	4	1500	St	4	-	4	•
London (Kew Obsy.)	992.6	-5	SSW	3	c-	35	45	6	2500	St Cu	4	-	10	•
Croydon	993.2	-3	SSE	3	o/s	34	94	5	800	St	10	-	10	1
Cleton-on-Sea	994.8	-1	SSE	3	0	34	92	6	1500	St	10	-	10	•
Shoeburyness	994.6	-2	SSE	4	ors	34	85	6	450	St	10	-	10	0
Grain	994.4	-1	S	3	0	35	85	5	1500	Nb	10	-	10	•
Lympne	993.1	-2	S	4	os	36	94	4	450	Nb	10	-		
Scilly (St. Mary's)	992.6	+1	W	4	o+	46	85	8	4000	St Cu	5	A St	10	4
Falmouth (Pendennis)	993.8	+3	W	3	o/r	43	85	8	5000	St Cu	10	-	10	0
Plymouth (Cattewater)	993.0	+3	WSW	3	o+	43	85	4	1500	St	10	-	10	1
Portland Bill	994.0	0	W	4	b/r	45	45	4	-	-	0	A Cu	2	5
Southampton (Calshot)	992.4	-1	SW'W	3	o/r	42	92	8	2500	Cu Nb	1	-	4	5
Dungeness	994.5	-4	SSW	5	orr	40	92	4	2500	Nb	10	-	10	5
Guernsey	994.9	+1	W	4	0	44	85	4	2500	St Cu	9	-	9	3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 9th January

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 8th-9th °F.	Temperature. Max. Day. 9th °F.	Rainfall.† Night 17h.-9h. 8th-9th mm.	Rainfall.† Day 9h.-17h. 9th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 9th hr.
Montrose	ph c s	ps s	27	32	0.3	2		1.8
Berwick-on-Tweed	sphsv	psbc	27	34	1	3		1.4
Llandudno	mc	mo	30	32	-	-		0.0
Colwyn Bay	c	c	28	33	-	-		0.3
Rhyl	os	lur	29	32	-	-		0.0
Southport	bbcc	bczbz	27	36	-	-		1.6
Blackpool	oc	bco	27	32	-	-		3.1
Ilkley	xrsos	o	23	33	1	0.2		0.9
Harrogate	c	opsc	25	28	1	0.2		1.7
Skegness	xos	cox	29	32	•	0.1		0.6
Aberystwyth	ocb	b	29	38	-	-		5.0
Bath	o	ocbcb	25	30	2	-		0.0
Leamington Spa	cb	cbo	26	31	-	-		1.5
Lowestoft	ops o	so	28	31	0.4	0.4		0.0
Felixstowe	psmo	psmo	28	?	-	-		0.0
Southend	os	osrs	26	35	4	1		0.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 8th-9th °F.	Temperature. Max. Day. 9th °F.	Rainfall.† Night 17h.-9h. 8th-9th mm.	Rainfall.† Day 9h.-17h. 9th mm.	Sunshine.	Sunrise to Sunset. 9th hr.
Ilfracombe	o	ocbc	30	33	-	-		0.0
Bude	b	bx	30	34	1	-		0.9
Torquay	rsoc	c	30	40	6	0.3		0.0
Weymouth	so	o	28	31	4	0.2		0.0
Bournemouth	o	o	28	31	5	-		0.0
Portsmouth (S'thsea)	os.	ow	31	33	5	trace		0.0
Littlehampton	ocs.	oc	30	32	4	-		0.0
Worthing	s	o	30	33	4	-		0.0
Brighton	s	o	31	34	4	1		0.0
Eastbourne	s.s.	so	32	33	4	2		0.0
Hastings	s.s.	ss.o	30	32	7	5		0.0
Folkestone	ss	sso	30	37	5	-		0.0
Dover	sogos	soum	31	34	2	1		0.0
Tunbridge Wells	os	oso	28	31	4	1		0.0
Ramsgate	os	oso	29	35	5	3		0.0
Margate	os	o	29	34	1	1		0.0
Deal	ss	so	30	34	5	3		0.0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22695 FRIDAY, 11th JANUARY....1924. Page 1.

Observations at 1300 G.M.T. 10th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Upper Form.	Total Amt. 0–10	State of ground.
Lerwick¹	997.5	-4	SSE	4	O	34	75	7	5700	St.Cu	4	A St	10	•
Stornoway	986.9	-2	SSE	4	o	34	75	7	450	St.	10	-	10	•
Wick	989.9	-4	SSE	5	oSS	33	97	6	800	Nb	10	-	10	•
Castlebay	984.2	-2	E	5	oPS	35	97	7	800	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	988.7	-6	SE	5	oS₀	34	92	7	1500	Nb	10	-	10	7
Malin Head	984.3	0	WSW	5	cjp	37	97	8	4000	Nb	7	-	7	•
Renfrew	988.0	-2	-	0	o	30	97	3	2500	St.	10	-	10	8
Edinburgh (Inchkeith)	987.2	-3	SSE	2	oS₀S₀	30	97	6	•	Nb	10	-	10	•
Leuchars	986.9	-6	SE	4	oS	32	97	4	450	Nb	10	-	10	8
Eskdalemuir	987.3	-1	NE	1	oS	30	92	6	1500	Nb	10	-	10	7
Tynemouth	988.6	-4	S	1	oSS	33	97	4	800	Nb	10	-	10	•
Blacksod Point	988.5	+1	NW	4	oPH	37	85	7	•	•	•	•	9	•
Donaghadee	988.4	+2	WSW	3	b-	34	97	8	450	St	3	-	3	•
Birr Castle	989.4	*	W	1	bc+	40	75	7	4000	Cu	4	-	4	•
Holyhead	990.5	+4	SW	1	c+	43	75	7	4000	St.Cu	4	A.Cu	7	1
Liverpool (Bidston)	989.9	+3	WSW	4	b-	40	75	7	2500	St.Cu	2	-	2	•
Chester (Shotwick)	990.4	+2	W'N	4	b-	43	65	6	-	-	0	Ci.Cu	2	7
Spurn Head	991.2	0	SSW	4	b	35	97	5	-	-	0	-	0	•
Birmingham (Edgbaston)	992.5	+2	SSW	2	c	36	85	6	-	-	0	Ci	7	3
Nottingham	991.3	0	WSW	3	b	37	85	6	-	-	0	-	0	•
Cranwell	993.1	0	SW	3	b	38	85	6	-	-	0	Ci.St	1	7
Gorleston	995.0	0	SW	2	c-	38	97	6	-	-	0	ASt	8	•
Valencia (Cahirciveen)	990.0	-1	NE	2	c	38	85	8	4000	Cu	1	A.Cu	7	!
Roches Point	990.1	0	N	1	o	40	92	5	2500	St.Cu	2	ASt	8	•
Pembroke (St. Ann's H.)	991.7	+1	ENE	1	cjp	41	85	8	1500	Nb	8	-	8	
Ross-on-Wye	992.6	+1	-	0	o	36	85	6	-	-	0	A.St	9	7
Leafield	993.1	+2	SW	2	o-	34	85	5	2500	St.	10	-	10	x
Andover	993.1	0	ENE	2	o+	36	97	6	1500	St	5	Ci.St	9	7
S. Farnborough	994.0	+1	SSW	2	fo	39	92	3	450	St	5	ASt	10	2
London (Kew Obsy.)	994.0	0	SW	1	mo-	39	85	4	-	-	0	ASt	10	7
Croydon	994.8	+2	S'W	3	o	38	92	5	2500	St.	6	ASt	10	7
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	994.7	0	SSW	1	o+	39	85	6	2500	St.Cu	7	ASt	10	•
Grain	994.8	+1	SW'S	3	o+	40	97	6	2500	St.	10	-	10	7
Lympne	995.2	0	S	3	o	42	97	7	1500	St	7	ASt	10	7
Scilly (St. Mary's)	992.2	-1	W	2	ORR	42	97	6	2500	Nb	10	-	10	•
Falmouth (Pendennis)	991.3	-2	WSW	3	or₀	43	85	8	5700	Nb	10	-	10	•
Plymouth (Cattewater)	991.6	-3	NE	1	o	43	85	6	5700	St.	10	-	10	2
Portland Bill	991.9	-4	-	0	o+	46	85	7	-	-	0	A.St	10	•
Southampton (Calshot)	993.5	-2	E'N	3	o	42	92	5	7200	St.Cu	10	-	10	2
Dungeness	995.4	+1	SSW	3	o/r	46	92	7	2500	Nb	10	-	10	•
Guernsey	993.1	-4	WSW	2	od₀	43	97	8	2500	Nb	10	-	10	•(?)

Observations at 1800 G.M.T. 10th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea. 0–9
Lerwick	991.4	-8	E	5	o	35	85	6	-	-	0	ASt	10	4
Stornoway	984.7	-1	SSE	4	oS₀S₀	34	97	7	450	St	10	-	10	3
Wick	986.4	-4	SW	4	orsrs	34	97	6	800	St	10	-	10	1
Castlebay	984.5	0	NW	3	opr₀	39	85	7	1500	Nb	10	-	10	4
Nairn	984.9	•	E	1	cSS	30	92	7	1500	St	3	ASt	8	•
Aberdeen	998.6	-2	SW	2	c/s	34	92	6	1500	Nb	8	-	8	1
Malin Head	986.6	+3	WSW	4	bc/r	37	85	8	4000	CuNb	4	-	4	4
Renfrew	988.5	+1	-	0	bc-	27	97	3	4000	StCu	6	-	6	•
Edinburgh (Inchkeith)	987.0	0	WSW	3	b	34	85	7	•	St	1	ACu	2	1
Leuchars	987.5	+1	W	2	o+	29	97	6	1500	St	9	-	9	•
Eskdalemuir	989.6	+1	SW'W	4	bc-	30	85	6	2500	StCu	6	-	6	•
Tynemouth	990.3	+2	S	1	b/m	34	92	5	1500	St	2	-	2	1
Blacksod Point	989.1	0	NW	1	bc	33	85	7	•	•	•	•	4	5
Donaghadee	990.1	+1	WSW	3	b	31	97	8	-	-	0	-	0	4
Birr Castle	990.0	•	SSE	1	o+	33	97	6	4000	Cu	1	ASt	9	•
Holyhead	991.0	+1	-	0	o	39	75	9	5700	Cu	2	ASt	10	0
Liverpool (Bidston)	991.9	0	S	2	o+	36	85	5	2500	St	10	-	10	3
Chester (Shotwick)	991.7	+1	SSW	2	o	33	85	5	-	-	0	ASt	10	•
Spurn Head	993.0	+1	SSW	3	bc+	33	97	5	-	-	0	ASt	4	3
Birmingham (Edgbaston)	992.5	0	SSW	2	o	35	92	5	1500	St	10	-	10	•
Nottingham	993.3	+2	SW	1	o	32	97	5	1500	St	10	-	10	•
Cranwell	993.8	+2	SSW	1	c+	30	97	6	5700	St	2	ASt	8	•
Gorleston	995.5	0	S'E	2	fo-	35	97	2	1500	St	10	-	10	0
Valencia (Cahirciveen)	989.3	+1	SE'S	2	c-	39	75	8	4000	St	3	ASt	8	4
Roches Point	989.8	0	SE	3	orr	37	97	7	4000	Nb	10	-	10	1
Pembroke (St. Ann's H.)	991.8	0	E	2	oRR	39	97	7	1500	Nb	10	-	10	5
Ross-on-Wye	992.9	0	-	0	od₀	33	92	4	450	St	10	-	10	•
Leafield	993.3	0	ESE	2	or₀+	35	97	5	450	St	10	-	10	•
Andover	993.3	0	NNE	2	or₀r₀	36	97	5	1500	Nb	10	-	10	3
S. Farnborough	992.9	-1	E	1	or₀	37	97	6	1500	Nb	10	-	10	•
London (Kew Obsy.)	993.0	-1	SSE	1	or₀+	38	97	1	<150	St	10	-	10	•
Croydon	993.4	-2	NE	1	orr	36	97	4	1500	Nb	10	-	10	•
Clacton-on-Sea	993.6	-1	S	2	o	40	92	6	2500	St	10	-	10	1
Shoeburyness	992.6	-2	-	0	od₀d₀	39	85	7	1500	Nb	10	-	10	•
Grain	993.6	-2	SE	1	oR-	40	97	6	2500	Nb	10	-	10	0
Lympne	992.9	-3	SSE	3	or₀r₀	40	97	5	450	Nb	10	-	10	•
Scilly (St. Mary's)	991.7	0	W	6	bc+	44	92	8	4000	CuNb	5	-	5	5
Falmouth (Pendennis)	992.3	+1	WSW	2	bcpr₀	41	92	8	4000	CuNb	6	-	6	0
Plymouth (Cattewater)	992.9	+3	W	3	orr	39	92	7	2500	St	10	-	10	1
Portland Bill	990.9	-2	ENE	2	orr	42	85	7	2500	Nb	10	-	10	5
Southampton (Calshot)	992.1	-2	ENE	3	orr	40	97	6	1500	Nb	10	-	10	0
Dungeness	993.2	-2	SE	4	orr	42	92	8	4000	Nb	10	-	10	5
Guernsey	990.2	+1	W	7	bc/r	45	85	6	2500	CuNb	6	-	6	5

LONDON OBSERVATIONS. (Weather and Temperature: 24 Hours ended 0900 G.M.T. 11th; Humidity 15h. G.M.T. Yesterday, 9h. G.M.T. To-day)

LONDON OBSERVATIONS.	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
Kew (24 hours ended 0700)	18	of/foe	omf; Fr	ofr-r b	•	•	33		8	0.0	•	•	6
Croydon (24 hours ended 0700)	244	b/ocm	omin r	orf bc.b	•	•	32		6	0.0	•	•	6
Greenwich (Royal Obsy.)	149	o	or	ormob	41	35	31	1	4	0.0	90	78	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	42	35	31	14		0.0	92	81	•
Regent's Pk. (Botanic Gdns).	63	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	fof	f	•	41	32	31	-	8	•	•	86	•
Kensington Palace	80	co	c.om	•	41	?	30	0.6	9	•	(At 18h)	83	•
Hampstead Observatory	450	•	•	•	39	33	25	4	4	0.0	91	89	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.
24 HR. ended 1800 G.M.T. 10th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
0.4	23h. 9th	0.3	7h. 10th
0.8	16h. 10th		

POLE STAR RECORD at Greenwich Obsy.
Exposure from 10 14 h. 0 m. to 11th 4 h. 0 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14 0	2 16	16
δ Ursae Minoris	14 0	2 2	15

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	C	5	-	50°
18h.	-	-	-	-
01h.	-	-	-	-
07h.	C	5	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.
11th & 12th JANUARY, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.2	12.1	4.0
	8.2	12.1	4.1
Greenwich	8.4	12.8	4.12
	8.3	12.8	4.12
Wick	8.57	12.20	3.43
	8.56	12.20	3.44
Valencia	8.47	12.40	4.51
	8.47	12.40	4.52

BEAUFORT NOTATION OF WEATHER.
b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally 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.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
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; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

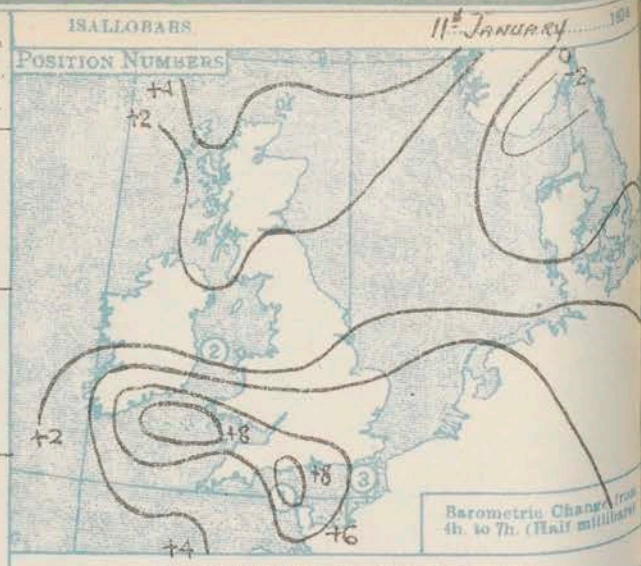
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 10h	13h.-18h. 10h	18h. 10h to 1h. 11h	1h.-7h. 11h	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 10h Hours.
Lerwick	c	o	o	c	36	32	•	0.2	2	<0800	<2100	0.0
Stornoway	c	s(rs)	c	b	34	22	•	0.2	2	1530	•	0.0
Wick	shss	ors rs	orr	bbc	36	29	•	4	3	<0800	<2100	•
Castlebay	osp	spop	opbc	dco	39	34	•	2	1	–	•	0.0
Nairn	cspgo	aspgc	cbex	bebx	32	25	•	2	0.3	1100	<2100	0.0
Aberdeen	oqiso	orsrs	bcb	bx	35	24	19	4	-	0900	-	0.0
Malin Head	ssbcmph	cors	bbcx	bcco	34	30	•	6	–	<0800	-	1.2
Renfrew	omssof	omfc	bcfso b	bbef	31	20	13	2	0.1	<0800	-	0.0
Edinburgh(Inchkeith)	isoss	soso b	o	b	34	32		0.4	0.2	<0800	-	0.0
Leuchars	ososo	ossobcmb	bxm	bx bxm	33	22	13	5	-	<0800	-	0.0
Eskdalemuir	ois	ocbc	bcb	bo	30	14	13	1	-	<0800	-	0.0
Tynemouth	osos	osif	bm	bm	34	30	26	1	-	<0800	-	•
Blacksod Point ...	h.rh.	h(rh)	oo	h(rh)	41	28	•	0.4	1	–	-	•
Donaghadee	ops	bc	c	os	35	28	•	3	Trace	<0800	06.30	•
Birr Castle	bc	bcco	cors	bcx	40	30	24	–	0.3	–	2200	2.3
Holyhead	ocbc	cov	oco	rro	44	35	31	–	1	–	0130	2.9
Liverpool (Bidston)...	obc	co	5m		41	24	24	–	0.3	–	2200	4.2
Chester (Shotwick) ...	omico	bcoom	ocbcm	bcm	44	26	19	–	-	–	-	4.1
Spurn Head	osb	bbc	oo	ofmdd	36	33	•	1	1	<0800	0630	2.0
Birmingham(Edgbaston)	obc	oo	oid	od	38	33	30	–	0.4	–	2200	1.4
Nottingham	soo	bc	ors	ors	37	30	24	0.1	2	<0800	2200	2.6
Cranwell	bbc	c	oo	osfd	39	28	25	0.6	2	<0800	0230	3.0
Gorleston	osrrc	coff	odaff	odfoc	39	34	32	1	4	0900	<2100	0.0
Valencia (Cahirciveen)	bbcc	coc	ophs	bbcop	42	36	30	–	3	–	<2100	0.0
Roches Point	com	orr	orsrs	rsb	41	36	•	2	4	1630	<2100	•
Pembroke(St.Ann's H.)	opr	orr	oso	c	43	36	•	5	4	<0800	0230	0.0
Ross-on-Wye	pbc.oco	am	ddfe	rocbq	36	33	31	–	2	–	<2100	1.1
Leafield	ofo	cor	fforo	rso	35	31	28	trace	3	1730	0230	0.0
Andover	bfom	omorrm	orrmo	ocbcb	37	32	29	1	2	1530	<2100	0.0
S. Farnborough ...	cmof	ofomr	rg	rfogb	39	33	31	2	4	1530	<2100	0.0
London (Kew Obsy.)...	ofofc	omfcfr	orrorm	orfmb	41	35	32	1	3	1630	<2100	0.0
Croydon	bomo	ommr	orrrbc	bcmcb	40	35	33	1	6	1630	<2100	0.0
Clacton-on-Sea ...	ogcp	ogm	oomddo	ogcbc	40	36	33	2	1	0900	2200	0.2
Shoeburyness. ...	ovscom	omomd	odd	bcb	40	35	32	1	2	<0800	<2100	0.2
Grain	bco	omo	oirc	cb	42	36	32	2	2	<0800	<2100	0.3
Lympne	obcm	ofm	orcq	cpr	43	36	33	3	3	1230	<2100	0.0
Scilly (St. Mary's) ...	ORR	opjbc	cq fH	ohbcq	47	39	•	6	2	<0800	<2100	0.1
Falmouth (Pendennis)	cor	orbcp	bcphl	bcph?	46	39	•	6	4	1230	<2100	0.0
Plymouth(Cattewater)	oo	orr	obcop	opb	45	39	35	3	3	<0800	<2100	0.0
Portland Bill	c	r-a	p	bbc	47	40	•	5	4	1430	<2100	•
Southampton(Calshot)	oo	omcomo	obopc	cpbcl	43	36	33	1	1	<0800	<2100	0.0
Dungeness	c	orr	rrpbrg	p	46	41	•	2	3	<0800	<2100	•
Guernsey	orrom	orrorbq	rrphq	orrph	47	38	•	15	13	0900	2200	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
3	10th 0800	DIEPPE	NW	2	CO	38	47	4
2	" 1000	HIBERNIA	NW	5	bc	40	47	3
1	" 1300	-	ENE	3	CO1	48	49	4
3	11th 0100	ARUNDEL	WSW	6	R	44	48	4

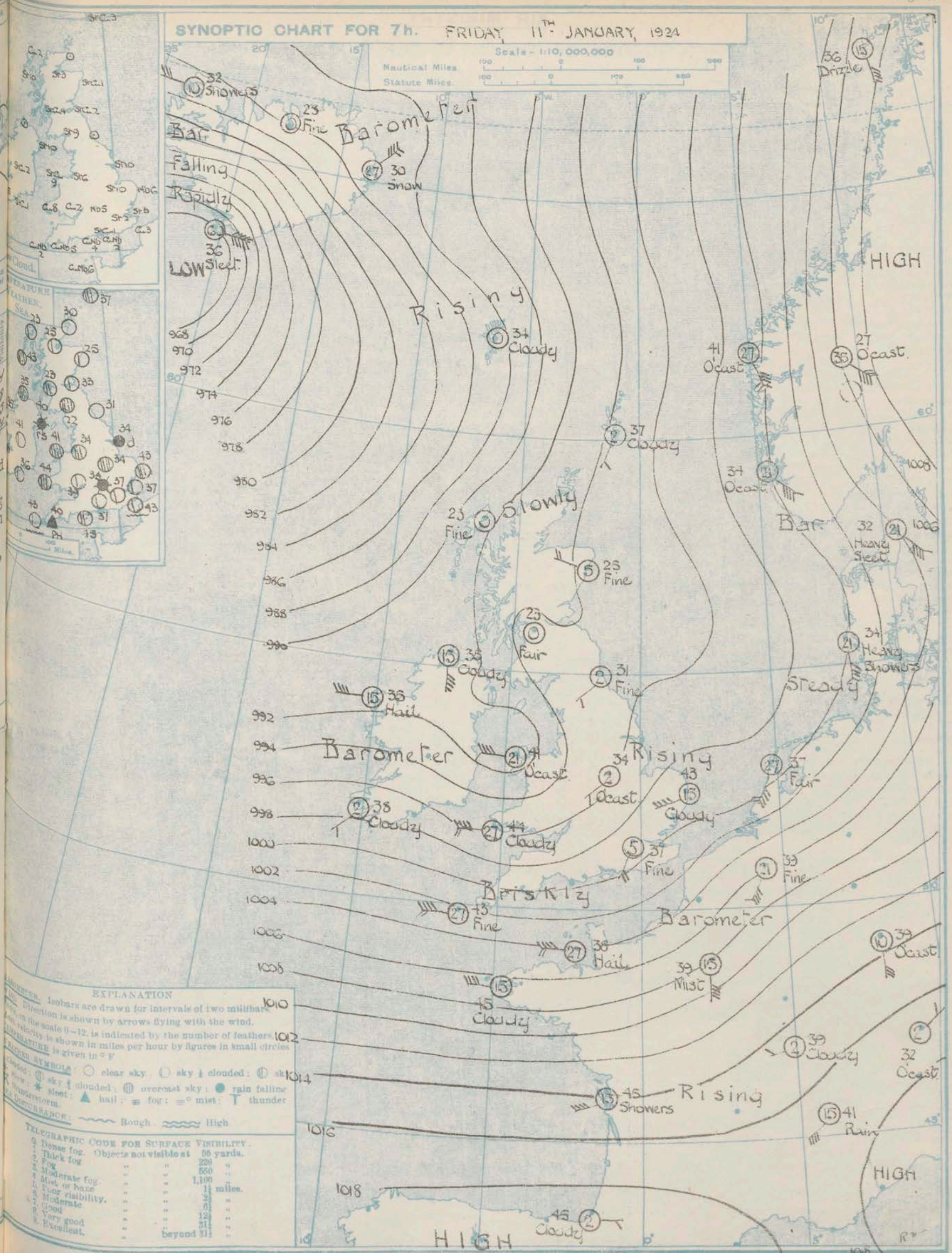
GENERAL INFERENCE.

A deep depression is situa ted near Iceland, while a secondary over the British Isles is filling up. Winds will be mainly between South and West and fair periods are probable in most parts today, but there will be local showers of hail or sleet. Temperature will continue low. It is likely that further disturbances will approach later from the West or Southwest.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Friday 11th January, 1924.	Further Outlook.
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 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	ALL DISTRICTS. Winds mainly between W. and S., fresh or strong at times; fair at first apart from local hail or sleet showers, risk of further rain, sleet or snow later; visibility mostly good; rather cold.	Unsettled. ------

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. FRIDAY 11th JANUARY 1924. No. 11

Observations at 0100 G.M.T. 11th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10
Lerwick	54	998.4	+1	WSW	1	0	34	85	6	-	-	0	A St	10
Stornoway	51	984.2	+2	SE	4	co	*	*	5	*	*	*	*	*
Wick	..	994.0	+5	WNW	1	o/r	33	94	4	1500	St	10	-	10
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	994.8	+3	S	2	b	33	95	8	-	-	0	A Cu	1
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	991.9	+5	WSW	2	b	35	85	8	*	-	0	-	0
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1000.6	+1	-	0	b	32	94	5	-	-	0	-	0
Blacksod Point ...	10	990.0	0	SE 1/5	4	0	40	?	3	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	991.6	0	SE	1	o	34	92	8	1500	St	10	-	10
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	993.4	-1	NNE	1	o	35	94	5	2500	St	10	-	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	993.9	0	-	0	o	32	94	5	4000	St	10	-	10
Gorleston	13	993.9	-2	NE/N	3	od	34	94	3	4000	Nb	10	-	10
Valencia (Cahirciveen)	30	992.6	+2	WNW	1	bc	38	94	8	*	Nb	5	-	5
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	992.0	0	S	4	o/s	40	92	8	2500	St	10	-	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	239	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	35	*	*	*	*	*	*	*
Croydon	244	994.4	+5	WSW	3	bc	35	94	5	-	-	0	C St	5
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	995.1	+5	SSW	4	bc	38	92	6	1500	St	5	-	5
Scilly (St. Mary's) ...	131	996.6	+3	WNW	4	cPH	43	92	8	4000	Cu Nb	4	-	4
Falmouth (Pendennis)	200	994.2	+4	WNW	5	bcPH	41	85	8	4000	Cu Nb	5	-	5
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	995.3	+1	W	6	bc	44	95	8	-	-	0	A Cu	4
Southampton (Calshot)	12	995.5	+4	SW 1/5	2	bcph	34	94	4	1500	Nb	6	-	6
Dungeness	21	995.1	+2	W	6	bcfr	42	85	8	5400	Cu Nb	4	-	4
Guernsey														

Observations at 0700 G.M.T. 11th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10	Sea 0–9
Lerwick	994.5	+5	SSW	1	c	34	92	6	5400	St Cu	3	A St	4	0
Stornoway	991.4	+4	-	0	b-	33	95	8	4000	Cu	2	-	2	0
Wick	992.5	+3	WSW	1	b	30	85	8	-	-	0	-	0	4
Castlebay	991.0	+1	ESE	4	o	43	95	8	2500	St	10	-	10	*
Nairn	993.0	*	-	0	b-	25	85	8	1500	St	3	-	3	1
Aberdeen	994.1	+3	WNW	2	b	25	92	6	4000	St Cu	1	-	1	
Malin Head	991.5	+2	S	4	c+	35	95	8	-	-	0	A St	8	4
Renfrew	994.5	+2	-	0	fbc+	21	94	3	5400	St Cu	4	-	4	*
Edinburgh (Inchkeith)	992.5	+2	S	1	b+	33	85	4	*	St Cu	2	-	2	0
Leuchars	993.9	+3	W	1	b	26	94	6	-	-	0	A St	1	*
Eskdalemuir	995.5	+1	-	0	o	22	92	6	1500	St	9	-	9	0
Tynemouth	995.1	+1	SW	1	b	31	92	4	-	-	0	-	0	
Blacksod Point ...	991.2	+1	W	4	oPH	35	92	3	*	*	*	*	10	5
Donaghadee	993.0	+2	WSW	2	ors+	40	92	8	800	St	10	-	10	2
Birr Castle	993.4	*	SE	1	b-	31	94	4	4000	St Cu	2	-	2	*
Holyhead	991.9	+1	W	5	o	41	85	8	2500	St Cu	9	-	9	3
Liverpool (Bidston) ...	993.4	0	SE/E	3	c	34	94	4	2500	St	6	A Cu	8	3
Chester (Shotwick) ...	993.4	0	E	3	b	33	92	5	4000	St Cu	2	-	2	
Spurn Head	995.9	+3	WSW	2	od+	34	94	4	800	St	10	-	10	1
Birmingham (Edgbaston)	996.3	+2	S	3	o-	34	94	6	800	St	9	-	9	*
Nottingham	996.0	+3	SW	1	o	34	94	5	1500	St	10	-	10	*
Cranwell	996.6	+4	S	1	o	33	94	4	800	St	10	-	10	1
Gorleston	998.3	+4	WSW	4	c-	43	94	6	4000	Nb	6	A St	8	
Valencia (Cahirciveen)	996.5	+4	SW	1	c	38	85	4	2500	St	5	A St	8	5
Roches Point	993.0	+4	W	1	b	36	94	8	2500	St Cu	1	-	1	1
Pembroke (St. Ann's H.)	993.1	+3	W	6	c	44	95	8	2500	Cu	8	-	8	4
Ross-on-Wye	994.4	+4	WSW	5	b	39	95	8	4000	Cu	2	-	2	*
Leafield	994.2	+4	SW	4	bcrs	34	94	6	4000	Nb	5	-	5	
Andover	997.6	+6	SW'W	4	b+	36	85	8	1500	St Cu	3	-	3	*
S. Farnborough ...	999.4	+6	WSW	5	b-	34	85	4	*	St Cu	1	-	1	*
London (Kew Obsy.) ...	999.8	+3	SSW	2	b	34	85	6	2500	St	2	-	2	*
Croydon	1000.1	+5	SW'W	3	b	38	85	8	-	-	0	C St	3	1
Clacton-on-Sea ...	998.8	+5	SW	3	b-	34	92	7	4000	St	3	-	3	*
Shoeburyness	1000.0	+6	WSW	1	b-	34	85	6	4000	St	1	-	1	*
Grain	1000.5	+4	SW	4	b-	34	85	8	2500	Cu Nb	2	-	2	*
Lympne	1001.4	+4	SW 1/5	3	bc-	34	92	4	1500	Cu Nb	5	-	5	*
Scilly (St. Mary's) ...	1002.2	+4	W	6	b+	43	85	8	4000	Cu Nb	2	-	2	4
Falmouth (Pendennis)	1001.4	+3	WNW	4	bcPH	40	85	8	4000	Cu Nb	5	-	5	1
Plymouth (Cattewater)	1002.3	+8	W	4	bc+	42	95	8	2500	St Cu	4	-	4	0
Portland Bill	1000.1	+8	W	6	bc	45	65	4	4000	Cu Nb	4	-	4	3
Southampton (Calshot)	1001.1	+6	WSW	4	b+	40	85	8	2500	Cu Nb	2	-	2	2
Dungeness	1000.7	+5	WSW	6	b-	43	85	8	4000	Cu	3	-	3	6
Guernsey	1004.3	+4	W	6	bcHR	38	92	6	4000	Cu Nb	5	-	5	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 10th

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 9–10	Temperature. Max. Day. 10	Rainfall.† Night 17h.–9h. 9–10	Rainfall.† Day 9h.–17h. 10	Sunshine.	Sunshine. Sunrise to Sunset. 10
			°F.	°F.	mm.	mm.		hr.
Montrose ...	ors	prc	27	35	0.4	4		0.0
Berwick-on-Tweed	ocpos	psbv	15	32	2	0.3		0.0
Llandudno	bc	bccs	25	43	2	-		3.9
Colwyn Bay	sc	c	26	43	4	-		2.7
Rhyl	bc	bc	24	45	1	-		4.8
Southport	sobc	bcco	25	41	4	-		3.8
Blackpool	soc	bcc	25	42	6	-		3.2
Ilkley	-	-	18	36	4	0.3		0.1
Harrogate	ob	b	19	38	4	0.1		2.1
Skegness	os	occ	31	36	0.1	0.5		2.1
Aberystwyth ...	rcb	o	28	43	1	-		1.0
Bath	pccsm	ob	23	38	3	1		0.0
Leamington Spa ...	bc	cbsm	25	38	3	-		2.3
Lowestoft	of	of	30	39	1	*		0.0
Felixstowe	cm	om	30	40	2	-		1.5
Southend	bcco	o	29	42	-	-		0.5

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 9–10	Temperature. Max. Day. 10	Rainfall.† Night 17h.–9h. 9–15	Rainfall.† Day 9h.–17h. 10	Sunshine.	Sunrise to Sunset. 10
			°F.	°F.	mm.	mm.		hr.
Ilfracombe	o	or	28	42	4	0.2		0.0
Bude	r	rscr	29	44	3	2		0.2
Torquay	c	d	29	45	3	0.2		0.0
Weymouth	co	oro	26	44	1	3		0.0
Bournemouth ...	oo	or	23	43	3	1		0.0
Portsmouth (S'thsea)	om	ofr	30	44	2	1		0.0
Littlehampton ...	ocpoc	ococr	30	44	0.5	4		0.0
Worthing	o	or	30	44	1	2		0.0
Brighton	o	orr	31	45	1	3		0.0
Eastbourne	o	or	30	46	1	2		0.0
Hastings	dcoc	cod	30	45	1	1		0.0
Folkestone	o	r	31	46	1	1		0.0
Dover	om	omor	33	45	1	2		0.0
Tunbridge Wells ...	oco	oor	29	42	2	1		0.0
Ramsgate	co	or	32	43	-	0.2		0.0
Margate	o	odm	31	44	1	0.2		0.0
Deal	ro	or	32	45	-	1		

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22696 SATURDAY, 12th JANUARY.....1924.

Observations at 1300 G.M.T. 11th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	998.8	+2	SW	1	b	39	85	7	4000	Cu	1	Ci	2	•
Stornoway	992.8	+1	S	3	c	40	75	7	1500	St	8	-	8	•
Wick	995.4	+1	S	2	o+	38	92	8	4000	Cu	4	Ci	9	•
Castlebay	992.6	0	SW	3	oPH	40	85	8	1500	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	996.8	+1	NW	1	fbc+	30	85	3	5700	St.Cu	6	-	6	7
Malin Head	993.6	+1	SSE	4	bc	33	92	8	4000	Cu	1	Ci.Cu	4	•
Renfrew	997.4	+2	-	0	oS₀S₀	34	97	2	800	Nb	10	-	10	8
Edinburgh (Inchkeith)	996.6	+1	ESE	1	mc	35	85	6	•	-	0	A.Cu	7	•
Leuchars	996.9	+2	NW	1	o+	27	97	4	-	-	0	A.Cu	9	8
Eskdalemuir	997.4	+2	SSE	3	oS₀	32	97	6	1500	Nb	10	-	10	7
Tynemouth	997.9	+5	SW	1	ffo	36	85	3	450	St	6	A.Cu	9	•
Blacksod Point	991.0	-1	NE	4	oPH	42	65	7	•	•	•	•	10	•
Donaghadee	998.6	+2	WSW	1	b-	35	92	8	-	-	0	A.Cu	3	•
Birr Castle	995.7	※	SE	1	ojp	34	85	7	4000	St.Cu	9	-	9	•
Holyhead	1000.4	+4	SW'S	4	c⊕	42	75	8	2500	Cu	1	Ci St	8	1
Liverpool (Bidston)	1001.3	+9	WSW	3	b-	39	75	8	4000	St.Cu	2	Ci	3	•
Chester (Shotwick)	1001.5	+7	WSW	4	b-	42	85 / 7	7/8	4000	St.Cu	2	Ci St	3	7
Spurn Head	?1001.6	+3	SW	7S	o/r	37	92	5	1500	Nb	10	-	10	•
Birmingham (Edgbaston)	1003.7	+8	SW	4	b	41	75	8	4000	Cu	1	-	1	7
Nottingham	1002.3	+7	WSW	4	b-	40	85	7	2500	Nb	1	-	1	•
Cranwell	1002.5	+7	WSW	3	c/s(h)	36	85	6	1500	St	6	Ci St	8	7
Gorleston	1005.2	+2	SW	6	b-	42	75	6	-	-	0	Ci	2	•
Valencia (Cahirciveen)	992.5	-7	S	6	oph₀	44	85	7	1500	St	7	A St	10	2
Roches Point	996.9	-4	SSW	5	orr	45	85	8	1500	Nb	10	-	10	•
Pembroke (St. Ann's H.)	1002.8	+3	W	4	o	45	75	8	2500	St.	10	-	10	•
Ross-on-Wye	1004.4	-1	SW'S	2	b+	42	75	7	4000	Cu	1	Ci St	3	7
Leafield	1004.7	-4	WSW	4	bc-	37	75	8	4000	Cu	4	-	4	※
Andover	1006.6	+5	SW'S	4	b	43	75	8	-	-	0	Ci	2	1
S. Farnborough	1007.4	+8	SW	4	bc+	44	75	8	2500	Cu	2	Ci	6	2
London (Kew Obsy.)	1007.4	+6	SW	4	b	43	75	7	-	-	0	-	0	7
Croydon	1008.0	+7	W'S	4	b	45	65	6	4000	Cu	1	Ci St	2	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1007.2	+5	SW	3	b	44	65	6	7200	St.Cu	1	-	1	•
Grain	1007.7	+6	SW	4	b	44	75	7	2500	Cu.Nb	2	-	2	2
Lympne	1007.8	+5	SW	5	bc	45	85	7	2500	Cu	4	-	4	2
Scilly (St. Mary's)	1004.3	+2	SSW	4	o	48	85	8	4000	St.Cu	10	-	10	•
Falmouth (Pendennis)	1005.1	0	SW	6	o+	46	75	8	5700	St.Cu	9	-	9	•
Plymouth (Cattewater)	1006.2	+1	SW	6	o	46	75	8	2500	St	5	A St	10	2
Portland Bill	1007.[illegible]	+4	W	4	c+	46	65	7	-	-	0	A St	8	•
Southampton (Calshot)	1007.9	+5	WSW	5	bc-	46	65	8	4000	Cu.Nb	1	Ci St	4	0
Dungeness	1008.8	+7	WSW	6	bc⊕	44	85	8	4000	Cu.Nb	5	-	5	•
Guernsey	1009.4	+3	SSW	4	c/s(h)	46	85	8	4000	Cu.Nb	2	A St	8	•

Observations at 1800 G.M.T. 11th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	991.0	+2	-	0	b	40	85	6	-	-	0	A St	3	0
Stornoway	992.4	-2	S	5	bc-	39	75	7	4000	Cu	6	-	6	3
Wick	995.8	+1	SSW	2	bc-	37	92	8	-	-	0	Ci St	6	0
Castlebay	990.5	-3	WSW	5	c-	41	85	8	1500	St	7	-	7	6
Nairn	995.6	•	-	0	b	29	85	7	4000	Cu	3	-	3	•
Aberdeen	998.3	+2	S	1	mbc-	34	92	4	5700	St.Cu	5	-	5	0
Malin Head	988.8	-9	SE	6	ors₀s₀	36	92	7	4000	Nb	6	A St	10	2
Renfrew	998.1	-8	ESE	1	b	28	85	4	-	-	0	-	0	•
Edinburgh (Inchkeith)	998.1	+2	SSW	1	b/m	34	85	7	•	-	0	-	0	0
Leuchars	998.6	+2	-	0	b-	24	92	4	7200	St.Cu	1	-	1	•
Eskdalemuir	1000.4	+1	-	0	o	28	97	5	800	St	10	-	10	•
Tynemouth	1002.3	+3	SW	1	b	30	85	4	-	-	0	-	0	0
Blacksod Point	982.9	-9	ESE	6	opr₀	42	85	7	•	•	•	•	9	5
Donaghadee	[illegible]	-2	SSW	4	o+	42	85	8	450	St	10	-	10	3
Birr Castle	[illegible]	•	S	3	or+	41	97	6	1500	Nb	10	-	10	•
Holyhead	997.4	-6	SSE	5	orr	41	97	9	1500	Nb	10	-	10	3
Liverpool (Bidston)	1001.2	-2	SE	3	o+	38	85	5	2500	Cu.Nb	10	-	10	2
Chester (Shotwick)	1001.9	-2	SE	3	o	39	85	6	1500	St	7	A St	10	•
Spurn Head	1007.1	+6	S	4	b	36	92	7	-	-	0	A Cu	3	2
Birmingham (Edgbaston)	1005.6	0	S	4	o	38	85	6	-	-	0	A St	10	•
Nottingham	1006.2	+3	SSW	3	o+	38	85	6	2500	Nb	10	-	10	•
Cranwell	1007.8	+5	SSE	3	bc	34	97	6	4000	St.Cu	2	A Cu	5	•
Gorleston	1011.6	+4	SW'S	3	b	36	85	6	-	-	0	-	0	0
Valencia (Cahirciveen)	985.3	-6	S	5	o+	49	85	7	1500	St	7	A St	10	6
Roches Point	989.4	-7	SW	6	o/r	48	92	7	4000	St.Cu	9	-	9	7
Pembroke (St. Ann's H.)	997.5	-6	SW	7	or₀d	46	92	7	1500	Nb	10	-	10	6
Ross-on-Wye	1004.2	-2	S	4	od₀	41	85	7	2500	Nb	6	A St	10	•
Leafield	1007.5	+2	SSE	3	o+	37	85	5	-	-	0	A St	10	•
Andover	1008.2	+2	S	4	o+	41	85	7	4000	St.Cu	10	-	10	+
S. Farnborough	1009.7	+2	SSW	3	o+	42	85	7	2500	St	2	A St	10	•
London (Kew Obsy.)	1010.1	+3	S	2	bc-	41	85	6	1500	St	4	-	4	•
Croydon	1010.8	+4	S	2	bc-	40	85	6	5700	St.Cu	2	Ci St	5	•
Clacton-on-Sea	1010.7	+5	SSW	3	bc	39	85	7	-	-	0	A St	4	1
Shoeburyness	1011.4	+3	SW	2	b	37	85	7	-	-	0	A Cu	1	•
Grain	1012.1	+4	S	3	c+	39	85	8	-	-	0	A Cu	8	0
Lympne	1011.9	+3	SW	4	c+	40	97	7	4000	St.Cu	4	A Cu	8	•
Scilly (St. Mary's)	1001.5	-3	S'W	6	o	51	92	6	4000	St.Cu	10	-	10	7
Falmouth (Pendennis)	1001.6	-3	SW	8	or₀	49	85	7	4000	Nb	10	-	10	3
Plymouth (Cattewater)	1004.7	-3	S	7	or+	48	85	8	1500	St	10	-	10	6
Portland Bill	1007.4	+2	SSW	5	bc-	47	85	7	-	-	0	A Cu	6	5
Southampton (Calshot)	1010.2	+1	S	4	o	45	85	8	2500	St	5	A St	10	0
Dungeness	1012.0	+6	WSW	6	bc-	45	85	8	-	-	0	A Cu	6	6
Guernsey	1010.3	0	SSW	5	c	47	92	7	4000	St.Cu	8	-	8	5

LONDON OBSERVATIONS. (Weather and Temperature: 24 HOURS ENDED 0900 G.M.T. 12th; Sunshine and Humidity 15h.: YESTERDAY; Humidity 9h. and Visibility: TO-DAY)

Station	Heights above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. %	Visibility 9h.
Kew	18	b	bc₀bcm	bcm orpd	•	•	36	-	0.5	4.3	•	•	6
Croydon {24 hours ended 0700}	244	bc b	om	bc₀ogir	•	•	36	-	1	4.2	•	•	•
Greenwich (Royal Obsy.)	149	bc	bcco	odcoi	51	39	31	-	Tr	4.4	69	86	6
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	2.3	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	51	40	36		0.5	3.8	85	84	•
Regent's Pk. (Botanic Gdns).	63	•	•	•	•	•	•	•	•	3.8	•	•	•
Camden Square	110	cbc	bcc	•	50	35	32	-	1	•	•	82	•
Kensington Palace	80	bc c	bcoc	•	51	[illegible]	35	-	1	•	{At 18h 65	80	•
Hampstead Observatory	450	•	•	•						4.2			•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 11th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
1.9	19h. 10th		
0.3	9h. 11th	<0.3	6h. 11th

POLE STAR RECORD at Greenwich Obsy.

Exposure from 11th 14 h. 0 m. to 12th 4 h. 0 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	14 0	1 10	8
δ Ursae Minoris	14 0	0 44	5

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	C	5	-	140°
01h.	C	5	-	120
07h.	C	5	-	95

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 12th & 13th JANUARY, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.2 / 8.1	12.1 / 12.1	4.1 / 4.3
Greenwich	8.3 / 8.3	12.8 / 12.8	4.13 / 4.15
Wick	8.56 / 8.55	12.20 / 12.21	3.44 / 3.46
Valencia	8.47 / 8.46	12.49 / 12.50	4.52 / 4.54

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally 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.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⓤ = lunar halo.
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; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

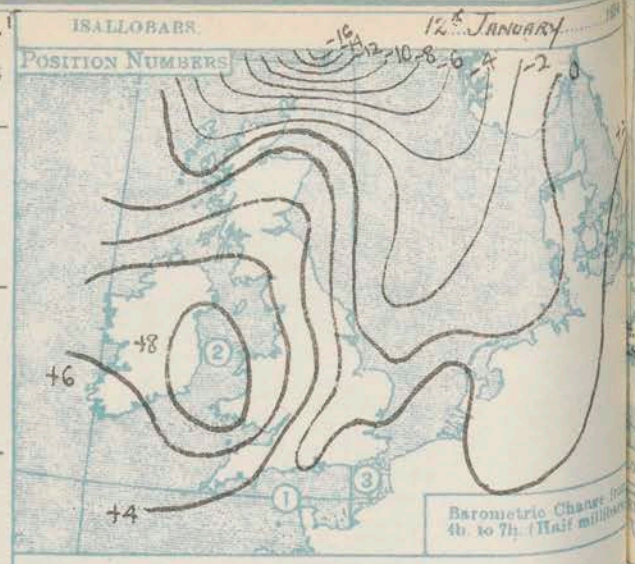
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 11th	13h.-18h. 11th	18h. 11th to 1h. 12th	1h.-7h. 12th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 11th Hours.
Lerwick	bc	bc	bc	omrq	42	34	•	–	2	–	0430	2.4
Stornoway	c	c	btc	cpq	40	35	•	–	4	–	•	0.3
Wick	c	oo	oo	orR	38	34	•	–	3	–	0250	•
Castlebay	ocoph	hape	cop	op	43	34	•	1	3	–	–	1.0
Nairn	bbc	bcb	bxbc	qbcc	29	28	•	–	–	–	•	0.5
Aberdeen	b.bcms	bcfm	bccom	rrqb	34	31	24	–	4	–	2400	0.4
Malin Head	10sccb	cozq	orirl	cPHR	41	33	•	0.1	3	1130	<2100	2.3
Renfrew	OFFss	ossomc	borh	orrq	34	25	21	1	4	1100	2200	0.0
Edinburgh (Inchkeith)	ffm	mmb	oprs	qPrf	34	32	4	trace	1	–	2200	0.2
Leuchars	bomfcfmx	ocbmmx	bxorR	irqb	29	19	8	–	8	–	2200	0.0
Eskdalemuir	ooiso	osocomc	omor	orqbcq	33	28	25	0.4	6	0300	2400	0.0
Tynemouth	off	offm	oir	orrq	34	34	31	–	3	–	<2100	•
Blacksod Point ...	h.-rh	p	o(rs)	s(rs)	44	?	•	3	5	–	–	•
Donaghadee	bcm	c	cpq	opq	43	36	•	5	4	<0800	<2100	•
Birr Castle	co	orr	iRSq	bc	41	33	30	1	5	1530	<2100	0.0
Holyhead	ocbc	ophrv	Krrq	r.ocq	44	41	38	2	3	1530	<2100	2.8
Liverpool (Bidston) ...	opostc	oo	rq		49	34	31	–	2	–	<2100	2.6
Chester (Shotwick) ...	bor.sobc	bccom	orrmq	orrmcq	43	38	35	0.1	4	<0800	<2100	2.6
Spurn Head	ocopd	c	r.d	r.d	38	36	•	trace	7	1230	<2100	1.3
Birmingham (Edgbaston)	ocbc	bccc	orr	orrR	42	34	35	–	14	–	<2100	5.3
Nottingham	oro	b-bc	or	Kr	41	34	33	0.2	4	1100	<2100	2.6
Cranwell	omprs	b-bc	bcord	omircor	39	32	30	0.3	1	1100	2200	2.9
Gorleston	cbcq3	bqbcz	oqr	oqrqq	42	35	32	–	0.6	–	2400	5.0
Valencia (Cahirciveen)	cpho	orco	olq	bcc	49	41	35	3	4	0900	<2100	0.0
Roches Point	cur	rro	orc	co	49	38	•	10	1	1230	<2100	•
Pembroke (St. Ann's H.)	oo	oozr	r.d	oqrc	44	46	•	4	11	1530	<2100	1.0
Ross-on-Wye	bbcb	bco	ocRRq	rr	42	41	36	0.1	24	1730	<2100	3.1
Leafield	bc	bcco	irq0	iRq0	38	36	33	–	4	–	<2100	2.4
Andover	bbcb	bbcco	or.r	or.r	44	41	34	–	1	–	2200	3.8
S. Farnborough ...	bbc	bcco	orrqo	orq	46	41	40	–	2	–	<2100	3.9
London (Kew Obsy.) ...	b	bbcczbc	bcmomq	omqorq	44	41	36	–	0.5	–	2400	4.3
Croydon	bcb	om	bcWorq	qir	46	40	36	–	1	–	2200	4.2
Clacton-on-Sea ...	bcq	bcq	bcc	coq	42	39	35	–	–	–	–	3.8
Shoeburyness	b	b	bbc	cqp	45	36	34	–	.	–	.	4.1
Grain	bbcb	bbc	cdoc	coq	43	38	35	–	0.1	–	<2100	4.1
Lympne	ocbc	bcc	cbcq	oq	45	39	34	trace	.	0900	–	4.2
Scilly (St. Mary's) ...	bccoq	oqp	coqr	oqr	51	46	•	0.2	11	1330	<2100	0.0
Falmouth (Pendennis)	bcpco	coq	orq	orqur	50	44	•	0.3	4	1730	<2100	1.2
Plymouth (Cattewater)	cbbo	orq	orq	orq	48	46	44	0.5	8	<0800	<2100	2.0
Portland Bill	boc	c	bbc	c	50	45	•	–	0.3	–	<2100	•
Southampton (Calshot)	bc	bccoro	or	oq	46	45	42	trace	0.1	1630	2200	4.5
Dungeness	p	pr	c	bbc	46	44	•	0.4	–	<0800	–	•
Guernsey	phtc	c	cbcco	qo	50	38	•	2	0.1	<0800	–	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	11th 1000	HIBERNIA	WSW	5	b	34	46
3	12th 0200	TIEPPE	SW	6	co+	44	44

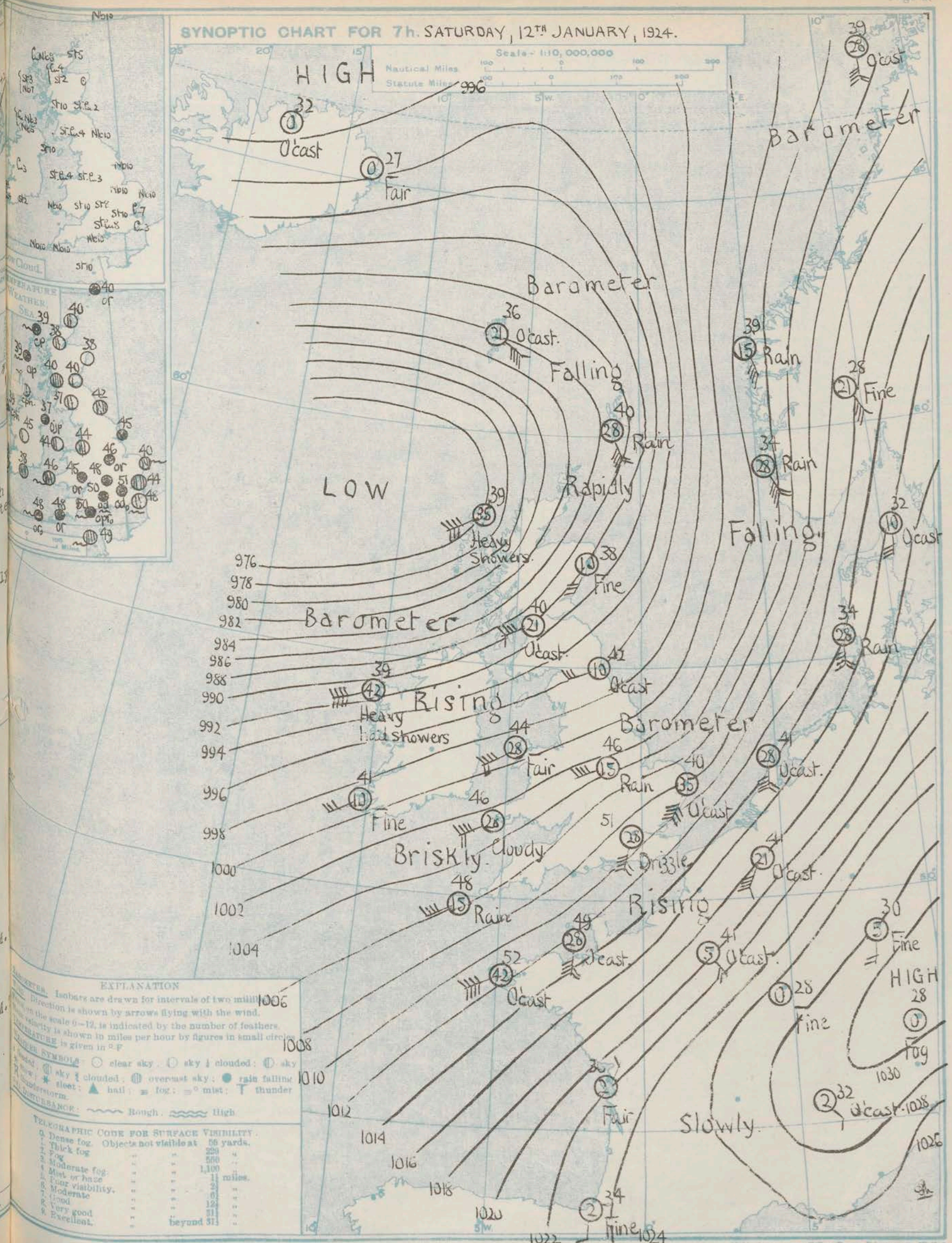
GENERAL INFERENCE.

The secondary north of Scotland is likely to move North but a new disturbance is indicated off the mouth of the Channel. Changeable weather is probable with squally winds from between S. and W., moderating temporarily in the North and East.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 12th January, 1924.	Further Outlook.
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 9. N. Midlands 10. N.E. England	Wind between south and west, strong at times, perhaps reaching gale force in exposed places; some rain or hail, with bright periods; visibility mainly good; moderate temperature.	Unsettled. --- South Cone hoisted 1430 G.M. 11/1/24.
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind between S. and S.W., strong at times, a gale locally; rain, hail or sleet, with bright intervals; visibility mainly good; temperature moderate to rather low.	South Cone hoisted 1920 G.M. 11/1/24. ---
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 1 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0905 GMT G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. SATURDAY 12th JANUARY 1924. No. 12

STATIONS.	Height above M.S.L. in feet.	Observations at 0100 G.M.T. 12th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Low. Form	Low. Amt. 0–10	Upper Form.	Total Amt. 0–10	Observations at 0700 G.M.T. 12th: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Low. Form	Low. Amt. 0–10	Upper Form.	Total Amt. 0–10	Sun 0–9
Lerwick	54	999.2	-1	SSE	2	bc	40	85	Y	–	-	0	A St	4	984.1	-1	SSE	6	orr	40	94	6	4000	Nb	10	-	10	5
Stornoway	51	987.5	-4	SE	5	co	•	•	5	•	•	•	•	•	975.4	-3	SW	4	cpr	39	85	4	4000	Cu Nb	8	-	8	6
Wick	81	991.1	-4	S	6	0	38	94	Y	1500	St	4	A St	10	983.0	-2	SSW	5	bc/r	40	92	8	1500	St	5	-	5	3
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•	992.4	-1	SW	4	o/r	39	85	4	1500	Nb	10	-	10	4
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	984.9	•	SW	2	bc+	38	85	8	1500	Cu	6	-	6	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	989.2	+3	SSW	3	b	38	92	4	-	-	0	-	0	0
Malin Head	71	998.6	-3	SSE	4	b/r	42	85	8	5400	Nb	1	-	1	989.0	+4	SW	9	cPH	38	85	4	4000	Nb	8	-	8	6
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•	990.5	+5	SW	5	o/r	40	95	4	2500	St	10	-	10	•
Edinburgh (Inchkeith)	190	988.1	-12	SE	4	ors	34	92	4	•	Nb	8	A St	10	990.5	+6	SW	5	b/r	40	95	8	•	StCu	2	-	2	3
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•	990.4	+5	WSW	5	b	38	85	4	-	-	0	A St	1	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	993.4	+3	SW	5	bc	34	85	6	2500	StCu	4	-	4	2
Tynemouth	118	994.1	-8	S	3	or	40	92	6	800	Nb	10	-	10	995.3	+3	SW	3	o/r	42	85	6	800	Nb	10	-	10	•
Blacksod Point	10	992.6	+4	WSW	4	oPR+	40	85	5	•	•	•	•	10	991.0	+5	W'S	8	cPH	39	94	4	•	•	•	•	4	4
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•	994.2	+3	WSW	4	o/r	34	85	8	800	St	10	-	10	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	998.2	•	S	3	b	45	92	6	4000	Cu	3	-	3	5
Holyhead	28	991.6	+2	SSW	6	o	50	85	8	2500	StCu	10	-	10	998.9	+4	SW'W	6	bc	44	95	8	2500	StCu	4	-	4	4
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•	1000.0	+6	SW	4	c/r	44	95	8	2500	St Cu	3	Ci St	4	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•	1000.5	+4	SW	5	c	45	95	6	2500	St	4	A Cu	8	
Spurn Head	26	999.5	-4	S	5	ors	40	94	4	2500	Nb	10	-	10	1001.2	-2	SW	5	oPR	45	94	6	2500	Nb	10	-	10	4
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.1	+6	WSW	5	o/r	44	85	6	1500	Nb	6	A St	10	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1002.4	+5	SW	4	or	46	94	5	800	Nb	10	-	10	•
Cranwell	237	1000.8	-4	S'W	5	0	42	94	6	1500	Nb	10	-	10	1001.4	+2	SW'S	6	or+	50	85	4	1500	Nb	10	-	10	4
Gorleston	13	1001.1	-2	S'W	4	orr	41	94	4	2500	Nb	10	-	10	1003.9	0	S'W	4	0	40	94	6	4000	Nb	10	-	10	6
Valencia (Cahirciveen)	30	990.6	+4	S	8	oR	44	94	8	•	CuNb	10	-	10	999.3	+5	SW'W	3	b	41		8	4000	St	1	-	1	7
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•	1001.5	+4	WSW	3	0	38	94	8	4000	StCu	2	Ci St	10	6
Pembroke (St. Ann's H.)	149	996.0	+1	S	4	or-	50	85	4	1500	Nb	10	-	10	1003.9	+9	WSW	6	c/r	46	95	8	2500	St	8	-	8	•
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.8	+4	SW	3	orr	45	85	6	1500	Nb	10	-	10	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•	1004.8	+1	W	4	cR	48	94	5	4000	St	8	-	8	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•	1001.9	+1	S'W	6	ors	48	94	4	800	Nb	10	-	10	•
S. Farnborough	239	•	•	•	•	•	•	•	•	•	•	•	•	•	1003.6	+1	SW	4	ors	50	92	4	1500	Nb	10	-	10	•
London (Kew Obsy.)	18	•	•	•	•	•	44	•	•	•	•	•	•	•	1004.1	+3	S'W	6	od	51	85	4	1500	St	10	-	10	•
Croydon	244	1008.4	-2	SW'S	6	o/r	48	85	4	800	Nb	2	A St	10	1009.5	+2	SW	6	or	49	85	6	800	Nb	10	-	10	2
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•	1009.9	0	S	5	0	44	92	4	2500	Cu	4	A St	10	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.1	0	SW	4	c+	48	85	4	1500	Cu	8	-	8	6
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•	1010.8	+2	S'W	6	0	49	85	4	800	St	9	-	9	•
Lympne	350	1011.2	-1	SW	4	0+	44	92	4	1500	St	10	-	10	1012.9	+2	SW	6	0	46	92	4	800	St	10	-	10	•
Scilly (St. Mary's)	131	1001.1	0	SSW	4	or	52	94	4	4000	Nb	5	A St	10	1005.4	+4	SW	4	orr	48	94	4	4000	Nb	10	-	10	4
Falmouth (Pendennis)	200	1001.3	0	SW	8	or	49	85	4	4000	Nb	10	-	10	1005.9	+4	WSW	4	or	48	92	4	4000	Nb	10	-	10	1
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1007.1	+6	SW	4	or	47	94	6	1500	Nb	10	-	10	1
Portland Bill	19	1005.4	0	SSW	4	b	50	86	4	-	-	0	-	0	1007.9	0	SW	6	ofr	50	85	4	2500	Nb	10	-	10	6
Southampton (Calshot)	12	1005.4	-1	SSW	4	0	49	85	8	2500	St	9	-	9	1009.9	+2	SSW	4	0	49	85	8	2500	StCu	10	-	10	6
Dungeness	21	1011.2	-1	SSW	6	0	46	85	8	4000	Cu	10	-	10	1012.0	+2	SW	4	bc+	48	85	8	4000	Cu	3	Ci St	10	4
Guernsey															1011.5	+1	S	6	0	49	94	4	1500	St	10	-		6

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 11th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 10–11 °F.	Temperature. Max. Day. 11 °F.	Rainfall.† Night 17h.–9h. 10–11 mm.	Rainfall.† Day 9h.–17h. 11 mm.	Sunshine.	Sunshine. Sunrise to Sunset 11 hr.
Montrose	oc	cm	22	30	-	-		0.0
Berwick-on-Tweed	oc3	c	23	34	-	-		0.3
Llandudno	docbb	bco	35	44	0.5	0.1		2.3
Colwyn Bay	c	c	34	43	1	-		1.5
Rhyl	pcbc	bcc	32	45	2	0.1		2.8
Southport	oco	cbcco	32	41	1	0.3		1.8
Blackpool	opc	bcc	32	41	0.5	0.2		1.0
Ilkley	ms,bc	bc	26	38	0.5	0.5		0.3
Harrogate	afpoc	bc	28	37	0.3	0.2		0.9
Skegness	rorac	opcb	30	39	4	Trace		2.5
Aberystwyth	rbc	o	36	44	3	-		2.5
Bath	hrbcb	bbcco	33	44	5	1		2.6
Leamington Spa	bc	bccb	31	42	3	-		4.5
Lowestoft	op,ocb	b	33	42	3	0.1		5.1
Felixstowe	bc	b	34	42	1	-		3.9
Southend	cbcb	b	34	45	3	-		4.4
Ilfracombe	cop	op	38	46	8	0.1		0.0
Bude	cbcbc	cors	39	47	3	6		2.2
Torquay	b	c	38	47	5	0.1		2.6
Weymouth	bbc	bco	35	47	5	-		3.6
Bournemouth	b	b	35	46	3	-		4.1
Portsmouth (S'thsea)	bb	bbco	37	47	~~2.5~~ 4	-		4.5
Littlehampton	bc	bc	37	45	3	-		5.5
Worthing	bc	bc	38	47	5	-		4.9
Brighton	obc	bbc	40	46	4	-		4.5
Eastbourne	ocbc	bc	41	47	4	-		4.0
Hastings	oph	bbc	40	46	5	0.4		4.2
Folkestone	c	c	39	46	4	-		4.8
Dover	ocbc	bbc	40	46	3	-		3.7
Tunbridge Wells	bcb	bbcc	35	48	3	-		3.8
Ramsgate	ob	bbc	33	46	2	-		3.1
Margate	oc	cbc	37	47	2	-		3.0
Deal	oc	bcc	38	45	1	-		3.5

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22697 Sunday 13th January 1924. Page 1.

Observations at 1300 G.M.T. 12th — Observations at 1800 G.M.T. 12th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	987·7	+4	SW	4	bc+	42	75	7	4000	Cu	2	A.St	6	•	986·4	-3	SSW	7	o	44	75	6	-	-	0	A.St	10	6
Stornoway	975·1	-1	SW	7	oPR	40	92	7	450	St	10	-	10	•	985·3	+14	WSW	8	oPR	44	75	6	450	St	10	-	10	7
Wick	985·0	+1	SW	9	o	39	92	8	1500	St	4	Ci.St	10	•	987·4	+5	SW	9	b	40	97	8	800	St	1	Ci	2	7
Castlebay	985·6	+6	SW	9	oPR	41	85	6	1500	Nb	10	-	10	•	993·0	+8	WSW	7	bc	45	75	7	1500	CuNb	6	-	6	7
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	993·8	•	SW	4	bc/r	38	85	8	1500	St	5	•	5	•
Aberdeen	995·2	+6	SW	5	b	39	85	6	4000	StCu	1	-	1	3	998·6	+6	SW	3	bcw	39	85	6	4000	StCu	1	Ci.St	4	1
Malin Head	994·2	+6	SSW	8	c/s(h)	43	75	7	5700	StCu	5	Ci.Cu	7	•	997·5	+4	S	7	o	40	85	7	-	-	0	A.St	10	7
Renfrew	997·2	+4	SW	5	c	41	75	7	2500	StCu	7	-	7	1	1001·4	+4	SSW	4	o	39	75	6	-	-	0	A.St	10	•
Edinburgh (Inchkeith)	997·5	+8	SW	5	c+	41	65	8	•	-	0	Ci.Cu	7	•	1001·8	+3	SW	5	o+	40	75	8	•	-	0	Ci.St	9	3
Leuchars	998·0	+9	SW	6	b	39	75	8	-	-	0	A.Cu	1	7	1001·0	+4	SW	5	o	38	75	7	-	-	0	A.St	10	*
Eskdalemuir	1002·1	+6	SSW	5	o	36	75	7	-	-	0	A.St	9	2	1004·5	+2	S	3	o	35	85	7	-	-	0	A.St	10	•
Tynemouth	1004·3	+8	SW	3	c-	41	75	6	-	-	0	A.Cu	8	•	1005·6	+2	SW	2	o+	41	75	6	-	-	0	A.St	10	2
Blacksod Point	997·4	+5	WSW	8	o+	45	97	8	•	•	•	•	9	•	998·0	0	S'W	4	o	43	75	7	•	•	•	•	10	5
Donaghadee	1002·4	+4	SSW	3	bc+	40	75	8	-	-	0	Ci.St	5	•	1002·4	0	S	3	o+	40	92	8	800	St	10	-	10	3
Birr Castle	1001·8	•	S	3	o+	40	75	6	4000	StCu	9	-	9	•	999·8	•	SSE	1	o	41	85	6	4000	StCu	9	-	9	•
Holyhead	1005·7	+2	SSW	4	o	44	85	9	5700	StCu	10	-	10	1	1003·2	-3	E	3	orr	40	97	9	1500	Nb	10	-	10	1
Liverpool (Bidston)	1007·1	+3	SSW	1	o	41	75	7	2500	CuNb	10	-	10	•	1005·3	-3	SE	3	orr	39	97	5	1500	CuNb	10	-	10	3
Chester (Shotwick)	1006·9	+3	SE	3	o	43	75	6	2500	StCu	10	-	10	2	1005·8	-3	SE	3	orr	40	92	5	1500	St	10	-	10	•
Spurn Head	1009·3	+5	SW	4	o	44	92	7	4000	StCu	10	-	10	•	1009·8	+2	SSE	2	Fo+	40	97	0	<150	St	10	•	10	2
Birmingham (Edgbaston)	1009·4	+3	WSW	3	orr	43	85	6	1500	Nb	10	-	10	2	1007·2	-3	S	5	od-	43	97	6	1500	Nb	10	-	10	•
Nottingham	1008·5	+3	SW	4	or_0	47	85	6	1500	Nb	10	-	10	•	1008·2	-2	WSW	1	or_0r_0	41	97	6	1500	St	10	-	10	•
Cranwell	1010·0	+7	SSW	3	o	46	85	8	2500	St	10	-	10	1	1010·1	-1	SE	1	or_0r_0	40	97	2	450	St	10	-	10	•
Gorleston	1012·3	+2	SSW	5	opr_0	47	92	6	4000	Nb	9	-	9	•	1014·1	+1	S'W	5	bcr_0r_0	46	92	6	4000	Nb	5	-	5	4
Valencia (Cahirciveen)	1001·1	-1	S'E	2	o	45	75	8	4000	St	2	A.St	10	1	997·1	-4	E'N	3	orr_0	41	85	6	1500	St	4	A.St	10	4
Roches Point	1001·4	0	SSE	4	o	46	85	8	-	-	0	A.St	10	•	997·1	-5	NE	1	orr	38	97	8	2500	CuNb	10	-	10	2
Pembroke (St. Ann's H.)	1006·9	0	S	2	orr	44	85	7	1500	Nb	10	-	10	•	1000·9	-7	SSE	6	odd	49	92	6	1500	Nb	10	-	10	6
Ross-on-Wye	1008·7	+2	S'W	1	orr_0	43	92	6	1500	Nb	10	-	10	2	1006·9	-3	SSW	6	od_0	50	85	7	2500	Nb	10	-	10	•
Leafield	1009·8	0	S	2	or_0r_0	44	97	6	2500	Nb	10	-	10	*	1009·3	0	S	4	od-	47	92	6	2500	Nb	10	-	10	•
Andover	1009·9	+1	S'W	6	or	49	92	6	800	Nb	10	-	10	2	1011·2	+1	S	6	or_0r_0	48	97	6	800	Nb	10	-	10	4
S. Farnborough	1011·5	+2	SSW	6	orr_0	49	97	6	1500	Nb	10	-	10	2	1011·9	0	SSW	6	or_0	49	85	7	1500	StCu	8	A.Cu	10	•
London (Kew Obsy.)	1011·8	+2	SSW	5	opr_0	52	85	7	1500	StCu	5	A.Cu	9	1	1012·7	0	SSW	4	o/r	51	75	6	2500	StCu	10	-	10	•
Croydon	1012·5	+3	SW'W	5	or_0	50	85	6	1500	Nb	10	-	10	2	1013·2	0	S'W	4	or_0	48	85	6	800	Nb	10	-	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1014·1	+1	S	5	o	43	85	6	2500	St	10	-	10	2
Shoeburyness	1013·4	+3	SSW	4	o+	49	85	8	1500	StCu	9	-	9	•	1014·7	+1	SSW	5	cr_0	46	75	8	1500	Cu	6	A.St	8	•
Grain	1013·7	+2	SSW	6	o	51	75	8	800	St	10	-	10	2	1014·7	+1	S'W	5	cd_0	48	75	8	800	Nb	7	-	7	0
Lympne	1014·7	+1	S'W	6	c	49	85	7	2500	St	1	Ci	8	2	1015·1	0	S	6	o	47	75	8	2500	StCu	6	A.Cu	9	•
Scilly (St. Mary's)	1003·8	-2	S	6	o/r	51	97	6	4000	Nb	10	-	10	•	1002·7	-1	S	7	orr	50	97	5	4000	Nb	10	-	10	7
Falmouth (Pendennis)	1005·1	-3	SW	8	c-	51	85	7	4000	StCu	8	-	8	•	1003·5	-2	SW	8	o/r	49	97	6	4000	Nb	10	-	10	6
Plymouth (Cattewater)	1008·2	-1	SSW	6	od_0	50	92	7	450	St	10	-	10	2	1007·2	-1	SSW	7	o/r	50	85	7	450	St	10	-	10	6
Portland Bill	1009·5	+2	SSW	6	or_0	50	85	7	2500	Nb	10	-	10	•	1010·0	+2	SSW	6	o/r	49	85	7	4000	StCu	10	-	10	7
Southampton (Calshot)	1012·4	+1	S'W	6	or_0	49	85	6	2500	StCu	10	-	10	2	1012·7	0	S	5	cd_0	49	75	7	2500	StCu	7	-	7	3
Dungeness	1014·4	0	S	7	bc+	49	85	8	-	-	0	Ci	5	•	1015·0	+1	SSW	7	c+	48	75	8	4000	Cu	8	-	8	6
Guernsey	1012·5	-1	S	6	o/r	50	92	7	4000	StCu	9	-	9	•	1012·7	0	S'E	6	c-	49	92	7	5700	StCu	5	A.St	8	5

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather: Morning (24 hours ended 0900 G.M.T.)	Afternoon	Night	Temperature: Max. °F.	Min. °F.	Min. on Grass. °F.	Rainfall mm.: Day	Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	omq/bc	obo	ocqcizqf	•	•	41	0.4	-	0.0	•	•	•
Croydon } 24 hours ended 0700	244	oqr_0	oqr_0	obrbo	•	•	40	0.4	0.1	0.0	•	•	6
Greenwich (Royal Obsy.)	149	o	o	bbcbo	52	43	35	-	-	0.0	81	44	6
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	•	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	52	46	41	-	-	•	75	70	•
Regent's Pk. (Botanic Gdns).	166	•	•	•	•	•	•	•	•	•	•	•	•
Camden Square.	110	oro	o	•	51	42	38	-	-	•	•	74	•
Kensington Palace	80	o	oC	•	52	[illegible]	37	-	-	0.0	At 18h 80	73	•
Hampstead Observatory	450	•	•	•	•	•	•	•	•	•	•	•	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. ....

South Kensington: Max.	Time.	Min.	Time.

Kew Observatory: Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 12th 17h 05m. to 13th 06h 45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	0646		49
δ Ursae Minoris	0430		33

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 1 sec.	Stren.	Direc.
13h.	C_1C_2	5	-	170°
18h.	C_1C_2	6	-	160
01h.	C_1C_2	5	-	60°
07h.	C_1C_2	5	-	80°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

13th & 14th January, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8·1 / 8·0	12·2 / 12·2	4·3 / 4·4
Greenwich	8·3 / 8·2	12·9 / 12·9	4·15 / 4·16
Wick	8·55 / 8·55	12·21 / 12·21	3·46 / 3·48
Valencia	8·46 / 8·45	12·50 / 12·30	4·54 / 4·55

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⊍ = lunar halo.

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; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 36 feet above the ground.

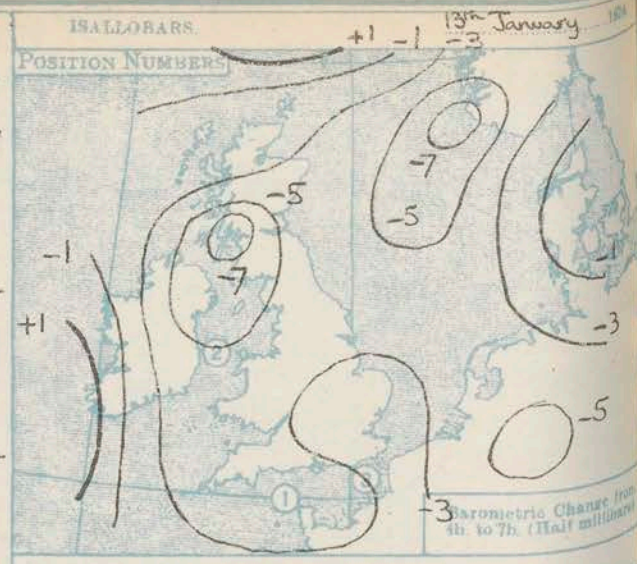
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction. • Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 12th	13h.-18h. 12th	18h. 12th to 1h. 13th	1h.-7h. 13th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL. Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 12th Hours.
Lerwick	bc	oq	ompr q	cq	44	41	•	4	5	<0800	<2100	0·0
Stornoway	p	p	p	bc	44	38	•	183	3	-	–	0.0
Wick	oo	b-bc	bbc	bbc	41	39	•	-	–	-	–	•
Castlebay	op	obbc	bco	o	46	43	•	0·4	–	-	–	0.0
Nairn	cprsq	Rqc	dbcxo	oq	38	36	•	5	0.2	0900	<2100	1·1
Aberdeen	bbq	bbcq	bcc	codr.	40	35	33	-	0.4	-	06.30	3.7
Malin Head	PRRS	cog	cog	corr	43	35	•	1	0.6	<0800	0530	1.4
Renfrew	ocq	coq	oo	omssrr	43	32	32	Trace	15	-	24.00	2.6
Edinburgh (Inchkeith)	c	cq	s.ssp	ssrsrs	42	32	•	-	9	-	2200	4.0
Leuchars	cbqbq	bqoq	oo	orr.r	40	32	31	-	3	-	0230	3.9
Eskdalemuir	prhco	oo	ormsom	osmrm	37	32	32	2	21	<0800	<2100	1.1
Tynemouth	oq	c	r.r.	or.r.q	42	37	36	-	3	-	<2100	•
Blacksod Point ...	h	p	o	o	46	35	•	1	0.1	-	–	•
Donaghadee	bc	c	or	or	41	36	•	0·1	13	<0800	<2100	•
Birr Castle	bcco	co	cors	orro	41	32	31	-	16	-	2200	0·1
Holyhead	bccov	ort	orrmq	orr	45	37	37	2	16	1630	<2100	0.0
Liverpool (Bidston) ...	com	omr		r-d	49	40	33	1	1	<0800	<2100	0.0
Chester (Shotwick) ...	oo	or.motta	orro	co	45	39	38	1	2	1430	<2100	0.0
Spurn Head ...	c	orffo	o	o	44	39	•	4	0.6	<0800	<2100	0.0
Birmingham (Edgbaston)	ocoir	orra	oir.	oc	45	42	40	4	0.3	<0800	<2100	0.0
Nottingham	oir.	r.r	r.o	o	47	40	39	3	Trace	<0800	<2100	0.0
Cranwell	p	orrmf	r.mco	o	50	40	39	4	0.3	1430	<2100	0.0
Gorleston	oqpcq	ocbcq	cq.bcq	bcq	50	39	37	Trace	Trace	1100	<2100	0·0
Valencia (Cahirciveen)	bybco	or.	sc	oroir	45	35	33	0.6	14	1630	<2100	0.0
Roches Point	oo	ort	rrZ	rro	46	38	•	9	20	1330	<2100	
Pembroke (St. Ann's H.)	oo.	r	oqpr	p	49	47	•	6	6	1230	<2100	0.0
Ross-on-Wye	oirq	ir	oid.q	r.oo.	50	46	42	5	2	<0800	<2100	0·0
Leafield	orrdm	r	dxcox	cocx	49	42	-	6	Trace	<0800	–	0.0
Andover	orrmor	ortm	or.co	oo	49	44	41	8	0.1	<0800	<2100	0.0
S. Farnborough ...	rrqr	r.oq	oqr.b	bo	52	43	39	2	0.2	<0800	<2100	0.0
London (Kew Obsy.) ...	omqr	opo	bcq	cqqqq	52	45	4[illegible]	0·4	–	1100	–	0·0
Croydon	oqr.	oqr.	obr.	bo	51	43	40	0·4	0.1	<0800	<2100	0.0
Clacton-on-Sea ...	oq	oqoq	ocbc	bcc	43	40	37	–	–	–	–	0.0
Shoeburyness	cqo	ocir.	cbc	bc	51	39	36	Trace	–	1530	–	0.2
Grain	cro	oqocd	cbcb	bbc	52	40	36	-	Trace	-	<2100	0.4
Lympne	oc	oqr	ob	b	50	40	36	Trace	–	0900	–	2.2
Scilly (St. Mary's) ...	orrmq	oqrtm	oqrrm	orq	51	48	•	7	4	<0800	<2100	0·0
Falmouth (Pendennis)	rrcoq	corq	orq	orcoq	51	49	•	5	2	<0800	0130	0·0
Plymouth (Cattewater)	ort	ort	orq	orq	51	46	45	6	2	<0800	2400	0·0
Portland Bill	r	r	c	c	50	47	•	10	–	<0800	–	
Southampton (Calshot)	oir.	ord.	[illegible]	oir.o	50	46	44	0·3	Trace	<0800	<2100	0.3
Dungeness	c	c	c	c.	48	43		-	–		–	
Guernsey	cbcc	d.cq	cbcc	cd.q	51	46	•	0·3	0.1	0900	–	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility
2	12th 10h	Anglia	SW'S	5	bc	42	41	9
1	12th 12h	Ibex	SW	4	co	51	49	1
3	13th 2h	Brighton	S	5	co	44	41	5

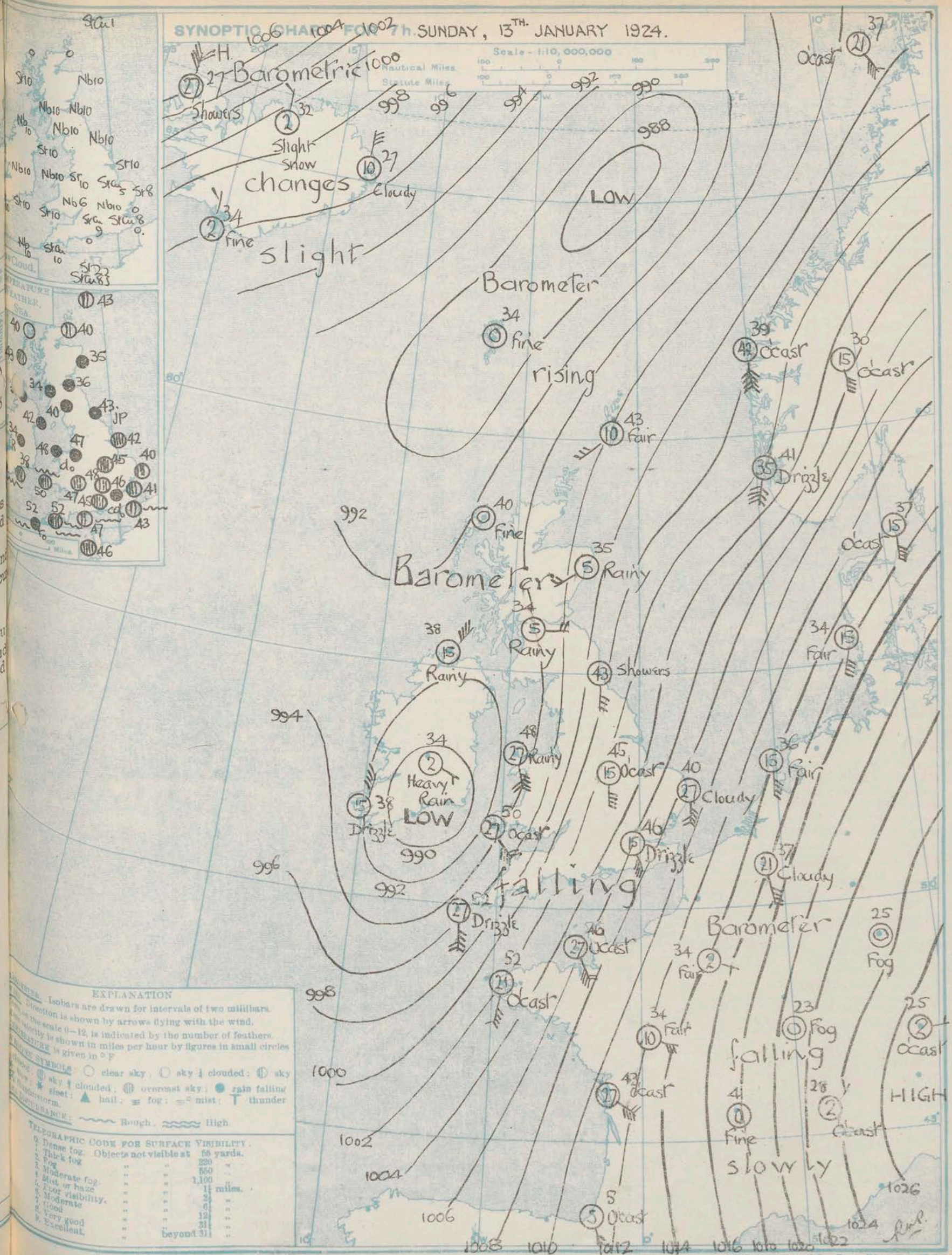
GENERAL INFERENCE.

A secondary depression over Ireland will probably increase in intensity and move N.E., Winds will be very variable in Scotland and continue strong to gale in England from S. to S.W; in Ireland a temporary veer to N.W. will occur. Unsettled weather is probable generally with much rain in Northern England and Scotland, but fairer intervals in Southern England. Continuing rather mild in England and moderate to rather low temperature in the North and West.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 13th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind between S. and S.W., strong, a gale locally; mainly overcast with occasional rain or showers but fairer intervals; good visibility; rather mild.	Unsettled. -------
7. North Wales 8. N.W. England 9. N. Midlands	Wind S. strong to gale veering to W. later; mainly dull with some rain at first, brighter intervals with showers of hail or sleet later; temperature falling; visibility good.	South Cone still flying. ------
10. N.E. England 11. E. Scotland 12. S.W. Scotland	Wind S.E. to E. becoming very variable; much rain or sleet; rather low temperature; poor visibility.	
13. Isle of Man	As 7 - 9.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	As 10 - 12.	
17. N.W. Ireland 18. N.E. Ireland	As 10 - 12.	
19. S.E. Ireland 20. S.W. Ireland	Wind N.W. backing to S.W.; showery, but bright intervals, rather cold; dull with rain later; good to moderate visibility.	Raw.

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Sunday, 13th January.....1924. No. 13....

Observations at 0100 G.M.T. 13th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	992.8	+3	SSW	6	bjb	44	85	6	4000	CuNb	1	ASt	3
Stornoway	51	993.2	+8	WSW	6	orR	•	•	4	•	•	•	•	•
Wick	81	993.1	+5	SW	5	bc	40	97	8	–	–	0	CiSt	4
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	996.4	-2	SE	3	0	38	86	8	–	–	0	ASt	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1000.4	+1	S	2	0S8	33	97	5	•	Nb	10	–	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1002.1	-7	SW	1	orR	39	97	6	800	Nb	10	–	10
Blacksod Point	10	993.9	-1	SE'S	4	0	41	75	5	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	993.7	-2	SSE	6	orr	46	97	6	800	Nb	10	–	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1006.5	-1	S	6	0	43	92	7	2500	St	10	–	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1004.4	-2	S'E	6	0	45	85	7	2500	St	10	–	10
Gorleston	13	1013.8	0	S'W	5	bc	43	86	7	–	–	0	ASt	4
Valencia (Cahirciveen)	30	994.0	-4	NW'N	4	0RS8	36	97	8	–	Nb	9	–	9
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1000.3	-2	SE	4	orr	47	92	7	1500	Nb	10	–	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	250	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	47	•	•	•	•	•	•	•
Croydon	244	1010.5	-4	SSE	4	b	44	75	4	–	–	0	–	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1012.8	-3	S	5	b	41	92	4	–	–	0	–	0
Scilly (St. Mary's)	131	993.1	-2	S	7	orr	49	97	6	4000	Nb	10	–	10
Falmouth (Pendennis)	200	993.6	-6	S	8	or	49	85	7	4000	Nb	10	–	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1008.2	-4	S	6	or	48	85	4	–	–	0	ASt	10
Southampton (Calshot)	12	1009.3	-3	SSE	5	or	47	85	8	1500	St	10	–	10
Dungeness	21	1012.3	-3	SW	6	b	43	92	8	–	–	0	–	0
Guernsey	..													

Observations at 0700 G.M.T. 13th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	See Note
Lerwick	997.0	+1	SW	3	bc	43	85	4	5500	StCu	1	ASt	5	2
Stornoway	992.5	-2	–	0	b	40	92	4	–	–	0	–	0	1
Wick	995.2	-2	SW	2	bc	40	92	8	–	–	0	CiSt	4	0
Castlebay	992.7	-2	S	3	o	43	92	7	2500	St	10	–	10	4
Nairn	995.0	•	–	0	o+	36	86	8	1500	St	10	–	10	.
Aberdeen	997.8	-3	SW	2	orr	35	97	6	1500	Nb	10	–	10	0
Malin Head	992.2	-5	NE	4	orr	38	92	7	4000	Nb	10	–	10	4
Renfrew	993.5	-8	E	2	orr	34	97	4	800	Nb	10	–	10	.
Edinburgh (Inchkeith)	995.4	-5	E	2	orr	36	97	7	•	Nb	10	–	10	.
Leuchars	996.1	-6	NE	1	orr	34	97	7	800	Nb	10	–	10	.
Eskdalemuir	995.0	-6	SE'S	3	orr	40	97	6	1500	Nb	10	–	10	2
Tynemouth	993.0	-4	S	3	ojb	43	97	6	1500	Nb	10	–	10	.
Blacksod Point	993.0	-3	–	0	o	38	92	5	•	•	•	•	10	5
Donaghadee	993.1	-6	–	0	orr	42	97	7	800	St	10	–	10	(
Birr Castle	993.4	•	SE	1	oRR	34	97	4	2500	Nb	10	–	10	.
Holyhead	992.9	-4	SSE	6	orr	48	97	8	800	Nb	10	–	10	6
Liverpool (Bidston)	996.8	-4	SE	4	ojr	46	92	7	1500	Cu	10	–	10	4
Chester (Shotwick)	996.1	-3	S'E	5	od	47	85	7	1500	St	10	–	10	.
Spurn Head	1002.9	-4	S	6	o	42	92	7	2500	St	10	–	10	4
Birmingham (Edgbaston)	1001.4	-2	SSE	5	c	45	92	7	2500	StCu	3	ASt	7	.
Nottingham	1002.3	-3	S	4	o	45	85	8	800	Nb	10	–	10	.
Cranwell	1003.7	-4	S	5	o	43	85	4	4000	StCu	5	ACu	9	.
Gorleston	1009.8	-2	S	6	c+	40	92	7	1500	St	8	–	8	4
Valencia (Cahirciveen)	992.5	+2	NNE	4	or	38	85	7	1500	St	10	–	10	6
Roches Point	993.4	-1	N	3	o	38	97	8	4000	St	10	–	10	5
Pembroke (St. Ann's H.)	994.4	-4	SE'S	4	o	50	85	4	1500	St	10	–	8	.
Ross-on-Wye	1001.1	-3	SW'S	3	c+	47	86	8	2500	Nb	6	ASt	8	.
Leafield	1003.1	-4	SSW	3	c+	48	85	5	4000	CuNb	8	–		
Andover	1004.5	-4	SSE	4	o	45	85	4	2500	StCu	10	–	10	.
S. Farnborough	1006.1	-2	SSE	5	o	45	85	7	1500	StCu	9	–	9	.
London (Kew Obsy.)	1006.9	-3	SSE	4	od	46	75	6	1500	StCu	8	–	8	.
Croydon	1007.2	-4	S	4	o	45	75	7	2500	St	9	–	9	.
Clacton-on-Sea	1008.9	-2	SE	4	c	41	85	7	–	–	0	ASt	7	7
Shoeburyness	1008.5	-3	S	4	bc+	41	75	7	–	–	0	CiSt	6	.
Grain	1008.2	-6	S	6	bc	42	85	8	–	–	0	ASt	5	(
Lympne	1008.8	-2	SSE	4	b	40	85	7	–	–	0	ACu	3	
Scilly (St. Mary's)	995.1	-3	S	6	or	52	97	7	4000	Nb	10	–	10	7
Falmouth (Pendennis)	994.2	-1	S	7	or	52	85	8	5700	StCu	10	–	10	6
Plymouth (Cattewater)														6
Portland Bill	1002.7	-4	S	6	bc	47	85	7	–	–	0	ACu	6	6
Southampton (Calshot)	1005.7	-5	SSE	5	o	47	75	8	1500	St	10	–	10	6
Dungeness	1003.8	-2	S	6	bc	43	85	8	–	–	0	ACu	4	5
Guernsey	1005.6	-3	S'E	6	o	46	92	7	2500	StCu	10	–	10	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 13th January

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 11th-12th °F.	Temperature. Max. Day. 12th °F.	Rainfall.† Night 17h.-9h. 11th-12th mm.	Rainfall.† Day 9h.-17h. 12th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 12th hr.
Montrose	bc	co	17	40	0	–		4.7
Berwick-on-Tweed	PRSH	bcbc	30	40	3	0.3		3.3
Llandudno	o	o	39	45	0	–		0.0
Colwyn Bay	c	c+	38	44	14	1		0.0
Rhyl	+co	o+	38	45	5	0.2		0.0
Southport	o	o+	37	43	4	0.3		0.0
Blackpool	+o	o	36	43	4	–		0.0
Ilkley	+moc	c	33	43	14	–		0.0
Harrogate	bcc	co	28	41	1	–		0.0
Skegness	o+op	opo+f	35	46	4	1		0.0
Aberystwyth	+so	o	40	43	13	–		0.0
Bath	+o	i+o	42	51	6	3		0.0
Leamington Spa	o	od	38	49	4	3		0.0
Lowestoft	o	o	37	45	0.5	–		0.1
Felixstowe	oco	oc	37	45	–	–		0.0
Southend	cbc	ou	36	50	–	0.1		0.2

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 11th-12th °F.	Temperature. Max. Day. 12th °F.	Rainfall.† Night 17h.-9h. 11th-12th mm.	Rainfall.† Day 9h.-17h. 12th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 12th hr.
Ilfracombe	or	o	46	52	12	5		0.0
Bude	+	+	46	53	8	5		2.2
Torquay	+o+o	o	47	52	9	2		0.0
Weymouth	+o	oe	46	51	9	7		0.0
Bournemouth	o	o	41	50	1	0.3		0.2
Portsmouth (S'thsea)	op	oco	44	51	tr	0.3		3.5
Littlehampton	bc	bc	44	49	0.1	–		2.2
Worthing	bc	bco	44	50	0.3	–		1.8
Brighton	cpc	cpc	46	50	0.3	–		2.2
Eastbourne	ocbc	bcco	45	51	0.1	–		2.5
Hastings	ocbc	bbcco	44	49	0.1	–		2.9
Folkestone	o	c	43	50	0.2	0.1		2.7
Dover	ocd	bcdc	44	49	tr	tr		0.7
Tunbridge Wells	o	co	41	51	1	tr		1.0
Ramsgate	cbc	bcc	40	52	–	–		2.1
Margate	obc	bcc	40	52	0.2	–		1.0
Deal	or	obcc	39	49	–	–		

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22698 Monday, 14th January 1924.

Observations at 1300 G.M.T. 13th.

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	995·2	-2	S	1	o	43	85	6	2500	St	4	aSt	10	•
Stornoway	989·3	-5	-	0	o	41	92	6	450	St	10	-	10	•
Wick	990·7	-8	E	2	or₀r₀	39	97	8	1500	St	10	-	10	•
Castlebay	989·2	-3	SE	2	o	42	85	7	1500	St	10	—	10	[illegible]
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	989·4	-9	S	2	orr	42	97	5	1500	Nb	10	-	10	2
Malin Head	989·9	-2	NW	3	or	39	92	8	4000	Nb	7	aSt	10	•
Renfrew	987·4	-6	-	0	or-	37	97	2	1500	Nb	10	-	10	8
Edinburgh (Inchkeith)	988·0	-9	SW	4	o/r	49	85	8	•	StCu	10	-	10	•
Leuchars	988·2	-8	S	2	o/r	43	97	7	1500	StCu	10	-	10	2
Eskdalemuir	991·1	-4	S	7	oRR	46	97	4	800	Nb	10	-	10	2
Tynemouth	996·4	-3	S	2	o	47	85	6	1500	St	9	-	9	•
Blacksod Point	992·0	0	-	0	•pr₀	42	85	7	•	•	•	•	10	•
Donaghadee	989·5	-1	SW	3	c?	43	85	8	450	St	8	-	8	•
Birr Castle	993·2	*	SW	1	orsrs	34	97	6	4000	Nb	10	-	10	•
Holyhead	992·1	0	S'E	4	orr	48	97	8	<150	Nb	10	-	10	2
Liverpool (Bidston)	994·8	-3	SE'S	4	o	50	85	8	1500	CuNb	10	-	10	•
Chester (Shotwick)	995·4	-3	SE	4	o	53	75	8	1500	St	10	-	10	2
Spurn Head	1010·6	-3	SSE	6	o	42	92	6	5700	StCu	10	-	10	•
Birmingham (Edgbaston)	999·5	-4	SSE	4	c	49	75	8	4000	Cu	1	aSt	7	2
Nottingham	999·5	-4	SSW	4	bc-	49	85	7	-	-	0	aCu	6	•
Cranwell	1001·5	-3	S	5	o	45	85	7	-	-	0	aCu	9	1
Gorleston	1006·8	-2	S'W	6	o+	41	85	6	5700	StCu	5	aSt	10	•
Valencia (Cahirciveen)	995·7	+1	NW'N	2	o/r	42	85	8	1500	StCu	9	-	9	2
Roches Point	993·0	+1	N	4	o	40	85	8	-	-	0	aSt	10	•
Pembroke (St. Ann's H.)	993·6	-2	SSE	8	cPR	49	92	7	1500	Nb	8	-	8	•
Ross-on-Wye	999·1	-4	SSW	4	o+	49	75	7	4000	Cu	2	CiSt	9	2
Leafield														
Andover	1002·9	-2	SSE	4	o+	47	85	7	4000	StCu	9	-	9	1
S. Farnborough	1003·8	-3	SSE	5	bc/r	48	85	7	2500	StCu	3	Ci	5	2
London (Kew Obsy.)	1004·4	-7	SSE	5	c	48	75	6	1500	St	4	aCu	7	1
Croydon	1005·1	-4	S'E	4	o	46	75	6	4000	StCu	3	CiSt	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1006·0	-4	SSW	3	o	44	75	7	-	-	0	CiSt	10	•
Grain	1005·6	+2	S	5	o+	45	75	8	4000	St	3	aSt	10	2
Lympne	1007·2	-5	SSE	4	o	43	75	7	4000	StCu	2	aSt	10	2
Scilly (St. Mary's)	995·3	0	S'E	4	orr	51	97	5	2500	Nb	10	-	10	•
Falmouth (Pendennis)	996·1	-2	S	5	odd	54	85	7	4000	Nb	10	-	10	•
Plymouth (Cattewater)	995·7	-4	S	5	o/p	50	85	7	1500	St	10	-	10	2
Portland Bill	1002·3	-5	S	6	c+	47	95	7	4000	StCu	8	-	8	•
Southampton (Calshot)	1003·8	-4	S'E	5	c-	49	75	8	-	-	0	aCu	7	2
Dungeness	1007·1	-2	SSW	5	c	45	75	7	-	-	0	aSt	8	•
Guernsey	1003·2	-1	S'E	5	c+	47	75	4	-	-	0	aSt	8	•

Observations at 1800 G.M.T. 13th.

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	987·8	-8	E	2	orr	39	97	5	4000	Nb	10	-	10	1
Stornoway	987·3	-1	-	0	or₀r₀	37	97	6	450	St	10	-	10	0
Wick	984·0	-6	W	1	or₀r₀	38	97	8	2500	Nb	10	-	10	0
Castlebay	987·9	-1	SE	3	oPr₀	41	85	7	1500	St	10	—	10	3
Nairn	985·7	•	-	0	odd	34	92	6	1500	Nb	10	-	10	•
Aberdeen	986·9	-2	S	3	or	45	97	5	1500	Nb	10	-	10	1
Malin Head	990·4	+1	S	3	o/r	38	92	8	5700	StCu	9	-	9	1
Renfrew	990·5	+6	W	2	o/r	37	92	6	2500	St	10	-	10	•
Edinburgh (Inchkeith)	988·8	+3	WSW	4	or₀r₀	40	85	8	•	CuNb	4	aSt	10	2
Leuchars	987·5	0	SW	4	or₀r₀	42	92	6	1500	Nb	7	aSt	10	•
Eskdalemuir	991·3	+1	SSW	5	orr	39	92	6	1500	Nb	10	-	10	•
Tynemouth	992·9	-3	SSW	3	od₀	47	85	6	800	Nb	10	-	10	2
Blacksod Point	993·0	+2	o	•	bc	38	85	7	•	•	•	•	4	4
Donaghadee	993·6	+3	WSW	2	cd₀	37	92	7	450	St	8	-	8	5
Birr Castle	996·0	•	SSE	1	bc-	34	97	6	4000	Cu	4	-	4	•
Holyhead	994·8	+6	W'N	4	o[illegible]	40	97	8	<150	Nb	10	-	10	3
Liverpool (Bidston)	995·1	+3	SW	3	od₀+	46	92	8	1500	Nb	10	-	10	4
Chester (Shotwick)	994·9	+3	W	3	or₀r₀	47	85	7	1500	St	10	-	10	•
Spurn Head	998·0	-3	SSE	6	o	42	92	6	1500	St	10	-	10	4
Birmingham (Edgbaston)	997·6	-2	SSE	6	o	45	92	6	4000	St	10	-	10	•
Nottingham	997·8	-2	SW	4	c	46	92	6	-	-	0	CiSt	7	•
Cranwell	999·2	-3	S	5	o+	45	85	6	4000	StCu	7	aCu	10	•
Gorleston	1004·8	-1	S'W	5	o	41	92	6	5700	StCu	10	-	10	4
Valencia (Cahirciveen)	997·5	+4	E	2	b-	38	92	9	2500	Cu	2	-	2	3
Roches Point	999·3	+3	-	0	b	38	97	8	-	-	0	-	0	2
Pembroke (St. Ann's H.)	996·8	+3	NW	3	or₀r₀	42	97	7	1500	Nb	10	-	10	5
Ross-on-Wye	997·3	-1	S	5	od₀	49	85	7	2500	Nb	8	aSt	10	•
Leafield	999·4	-3	SSW	4	o	44	85	8	4000	CuNb	10	-	10	•
Andover	1000·3	-21	S'E	4	o	47	85	7	2500	StCu	8	aSt	10	#
S. Farnborough	1002·1	-2	S'E	4	o+	46	85	7	2500	StCu	10	-	10	•
London (Kew Obsy.)	1002·7	-2	S'E	3	o+	47	75	5	2500	StCu	9	-	9	•
Croydon	1003·1	-1	S'E	4	c-	45	85	6	4000	StCu	2	CiSt	8	•
Clacton-on-Sea	1003·7	-2	SE	6	c	42	85	7	-	-	0	aSt	7	4
Shoeburyness	1003·8	-2	SSW	4	c	43	85	7	-	-	0	aCu	8	•
Grain	1004·5	+1	S	6	o-	44	85	8	-	-	0	aSt	9	0
Lympne	1005·6	-2	S'E	4	o	43	85	6	4000	St	1	CiSt	10	•
Scilly (St. Mary's)	998·7	+3	WNW	5	o/r	44	97	7	4000	StCu	10	-	10	4
Falmouth (Pendennis)	999·4	+3	WSW	4	or₀r₀	48	92	8	4000	Nb	10	-	10	0
Plymouth (Cattewater)	998·7	+2	SSW	5	orr	49	97	7	1500	Nb	10	-	10	3
Portland Bill	1002·3	0	S	5	b	49	85	7	-	-	0	-	0	6
Southampton (Calshot)	1001·3	-3	S'E	6	o/r	49	75	7	2000	St	4	aSt	10	3
Dungeness	1005·1	-2	SSW	4	bc-	44	85	7	-	-	0	CiSt	5	5
Guernsey	1002·0	-2	S	7	c	50	85	7	5700	StCu	8	-	8	7

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 Hours ended 0900 G.M.T. 14th											
Kew	18	czqbcz	czqbcz	ozodom	•	•	45	-	Tr	1·8	•	•	5
Croydon {24 hours ended 0700	244	o	co	or,dd	•	•	42	-	1	1·9	•	•	6
Greenwich (Royal Obsy.)	149	o	oco	od	48	45	38	-	Tr	1·6	69	88	6
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	•	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	49	47	44	-	-	0·8	63	85	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	1·0	•	•	•
Camden Square	110	coc	cbcc	•	48	41	34	-	0·1	•	•	91	•
Kensington Palace	80	bc	bc	•	49	45	42	-	[illegible]	•	At 18h	93	•
Hampstead Observatory	450	•	•	•	47	43	38	Tr	Tr	0·8	73	94	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 13th.

South Kensington Max.	Time.	Min.	Time.
-	-	-	-

Kew Observatory Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 13th 17 h 15 m. to 14th 06 h 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13·30	1·0	7
δ Ursae Minoris	13·30	0·19	2

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	c	6	-	100°
19h.	c,c₂	6	-	110°
01h.	c,c₂	5	-	150°
07h.	c,c₂	5	-	120°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

14th & 15th January, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	8.0 7.59	12.2 12.2	4.4 4.5
Greenwich	8.2 8.1	12.9 12.9	4.16 4.17
Wick	8.54 8.53	12.21 12.21	3.48 3.50
Valencia	8.45 8.44	12.50 12.50	4.55 4.56

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⊔ = lunar halo.
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; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

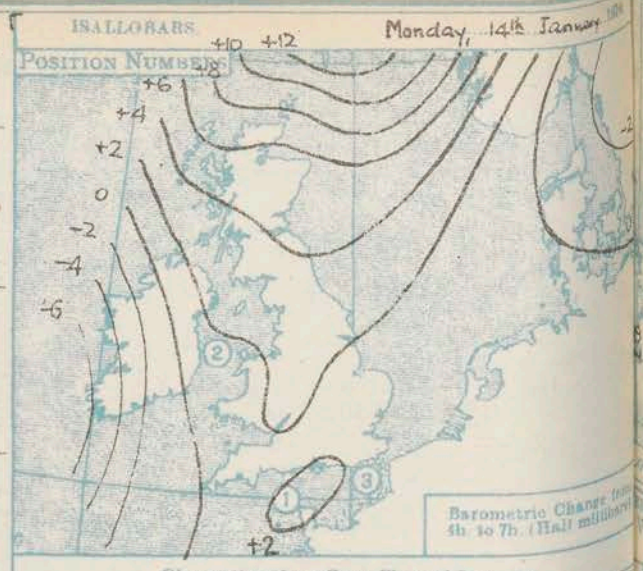
SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

M.O. Form 2370.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 13th	13h.-18h. 13th	18h. 13th to 1h. 14th	1h.-7h. 14th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 13th Hours.
Lerwick	o	omr	omr	bcpr	43	36	.	3	14	1430	<2100	0.0
Stornoway	oo	rr	p	c	42	35	.	1	1	1430	-	0.0
Wick	or,r,	or,r,	or,r,	bbc	41	35	.	2	1	1100	<2100	.
Castlebay	o	op	opc	co	43	41	.	trace	0.5	-	-	0.0
Nairn	or,r,	r,ro	xb	cpbcx	37	34	.	5	0.5	0900	<2100	0.0
Aberdeen	rrmfm	rrmr	r,mo	bcbmx	45	32	24	11	0.2	<0800	<2100	0.0
Malin Head	oir	oir	cobcv	bcx	40	34	.	5	-	<0800	-	0.0
Renfrew	omrfur	ofmrso	ocbc	bcbx	45	33	2.4	17	-	<0800	-	0.0
Edinburgh (Inchkeith)	rro	or,	r,r,b	b	50	37	?	4	0.2	<0800	<2100	0.0
Leuchars	orrm	oor,	or,ob	bxb	47	33	27	9	0.1	<0800	<2100	0.0
Eskdalemuir	orRm	oRRm	orrmm	orm	47	33	32	31	3	<0800	<2100	0.0
Tynemouth	oo	oid,	oid,bc	bbcm	48	33	29	trace	Trace	1730	<2100	.
Blacksod Point ...	oo	f	c	p	43	35	.	34	0.6	-	-	.
Donaghadee	or	or	bc	orm	48	31	.	11	-	<0800	-	.
Birr Castle	orsrs	orsrs	bcco	bc	36	30	25	4	-	<0800	-	0.0
Holyhead	or,rr	orrm	orc	cbcb	50	39	35	14	1	<0800	<2100	0.0
Liverpool (Bidston) ...	oo	od		or	51	38	36	0.4	2	1730	<2100	0.0
Chester (Shotwick) ...	odor,	or,PR	or,r,m	orm	53	39	37	2	1	<0800	<2100	0.0
Spurn Head	oo	oo	r.d	od,d	45	39	.	-	0.5	-	<2100	0.0
Birmingham (Edgbaston)	cbcc	bco	air	oof	49	39	38	-	1	-	2200	0.5
Nottingham	c	c	or,	or,	49	42	40	-	3	-	2200	0.6
Cranwell	c	oo	oordr	ormd	48	43	41	-	2	-	2400	1.9
Gorleston	cq,hq,	oq,	oq	oqrr	42	40	39	-	1	-	0330	0.0
Valencia (Cahirciveen)	o	opcub	bcb	orq	43	37	30	1	2	<0800	0330	1.6
Roches Point	oro	ocb	bw	bo	42	33	.	1	Trace	<0800	-	.
Pembroke (St. Ann's H.)	oq,pr	or	c	c	51	40	.	9	Trace	<0800	2200	0.0
Ross-on-Wye	ocbcc	oo	dr	go	50	40	39	0.1	2	1730	<2100	0.9
Leafield	co	co	co	dddodo	47	43	?	-	3	-	2400	0.0
Andover	oco	oo	ood,	oddd,	48	46	43	-	1	-	<2100	0.4
S. Farnborough ...	or,obc	bco	r,o	rorr,	48	45	43	trace	Trace	1230	<2100	1.8
London (Kew Obsy.) ...	czqfcz	~~czqbcz~~	o3od	oom	48	47	45	trace	Trace	-	-	1.8
Croydon	o	co	cor,	or,rdd	47	45	42	-	1	-	<2100	1.9
Clacton-on-Sea ...	co	oc	cog	ogr	42	41	39	-	0.3	-	0530	0.0
Shoeburyness	c	c	c	c	45	42	40	-	Trace	-	-	0.0
Grain	bcoq,	oo	oo	oo	45	43	39	-	-	-	-	0.1
Lympne	bo	o	opr,	ocr,	43	42	39	-	0.2	-	<2100	0.0
Scilly (St. Mary's) ...	omrq,	omrq,	c	cbc	53	49	.	4	-	1100	-	0.0
Falmouth (Pendennis)	comd	omdor	orco	cobc	53	42	.	2	1	0900	2200	0.0
Plymouth (Cattewater)	orq,	orrq,	orrq	orco	51	42	39	0.5	3	<0800	<2100	0.0
Portland Bill	c	c	c	p	49	46	.	-	1		2200	
Southampton (Calshot)	oc	cod,	oo	oir,o	50	47	46	trace	0.3	1630	0130	0.3
Dungeness	c	c	c	r.d	48	45	.	-	1	-	<2100	.
Guernsey	ooq,	cq,	o	d.d.o	50	45	.	-	1	-	-	*



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
2	13th 1000	ANGLIA	S	7	8m	49	48
3	14th 0200	DIEPPE	S	4	d,d,	47	48

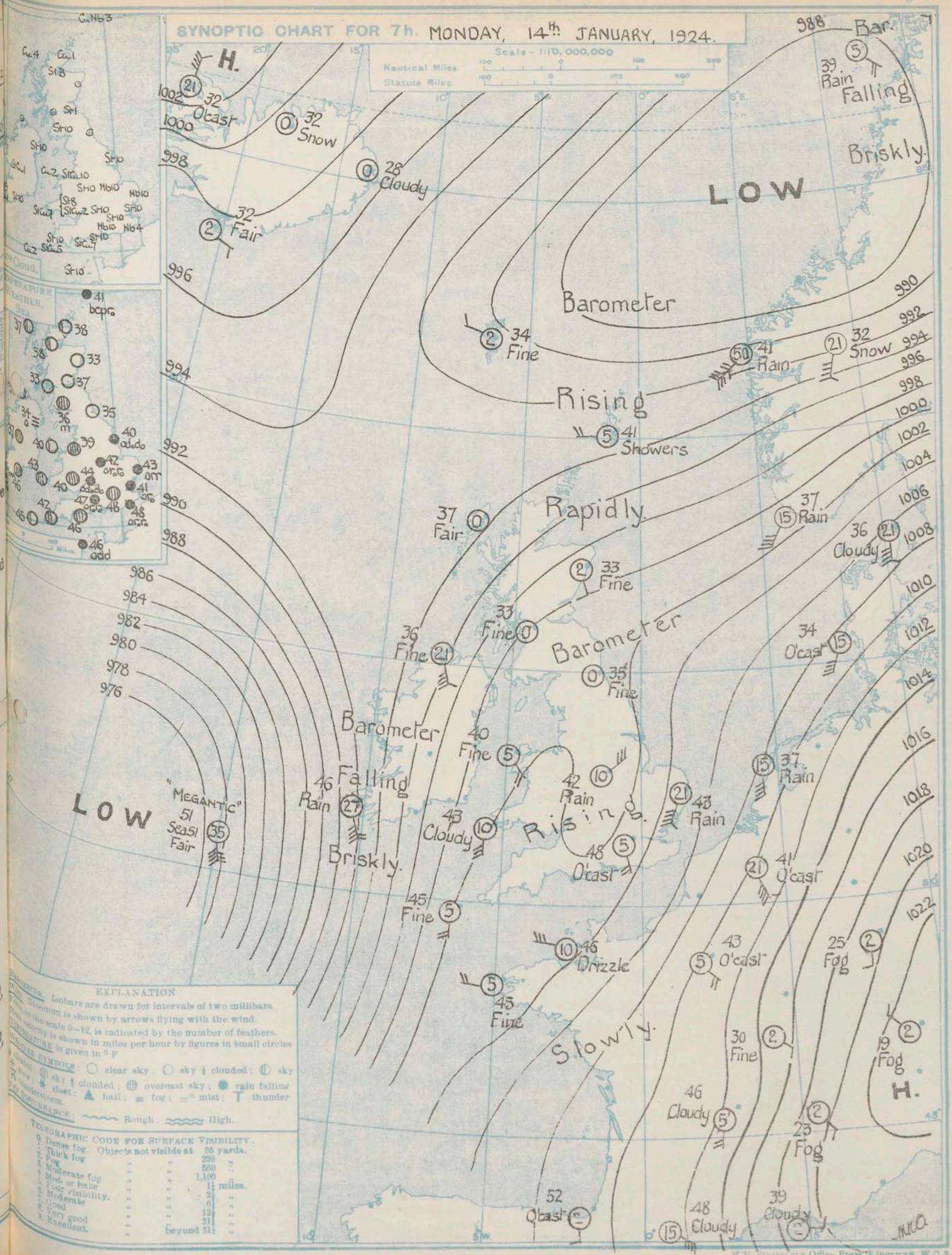
GENERAL INFERENCE.

A slight wedge of high pressure will cause a temporary improvement during the day over the Midlands and Eastern England. A new depression off S.W. Ireland will however, cause an early renewal of rainy weather with southerly gales in places.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 14th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Light variable wind freshening later from S.; fair at first, some rain later; visibility moderate; mild.	Unsettled generally. -----
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind S.E. to S.W., strong, probably a gale in places; some rain; visibility moderate; mild.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Wind S.E., light at first, becoming strong; fair early, rain later; mist in places; milder.	South Cone hoisted at 0300, South Cone hoisted at 0900, 14/1/24.
12. S.W. Scotland 13. Isle of Man	Wind S.E., fresh or strong, perhaps a gale; some rain; mist in places; mild.	
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind E. or S.E., becoming strong; fair early some rain later; visibility moderate; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S.E. or S., strong to a gale veering towards W.; rainy, improving later; visibility moderate to good; mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....Monday, 14th January...1924. No....14...

Observations at 0100 G.M.T. ...14th...

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10
Lerwick	54	981.6	-3	W	3	orr	37	97	6	4000	Nb	10	-	10
Stornoway	51	990.1	0	WSW	4	pr₀	·	·	5	·	·	·	·	·
Wick	81	989.6	+7	W	2	bc-	36	92	8	2500	St	4	-	4
Castlebay	37	·	·	·	·	·	·	·	·	·	·	·	·	·
Nairn	82	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	46	·	·	·	·	·	·	·	·	·	·	·	·	·
Malin Head	71	994.5	+3	S'W	4	b	39	85	9	-	-	0	A.Cu	1
Renfrew	38	·	·	·	·	·	·	·	·	·	·	·	·	·
Edinburgh (Inchkeith)	190	995.0	+6	SW	5	b/r	39	85	9	·	St.Cu	1	-	1
Leuchars	36	·	·	·	·	·	·	·	·	·	·	·	·	·
Eskdalemuir	794	·	·	·	·	·	·	·	·	·	·	·	·	·
Tynemouth	118	998.6	+6	W	1	b/r	38	85	7	-	-	0	-	0
Blacksod Point	10	995.0	0	W'S	2	cpr₀	40	85	7	·	·	·	·	8
Donaghadee	55	·	·	·	·	·	·	·	·	·	·	·	·	·
Birr Castle	175	·	·	·	·	·	·	·	·	·	·	·	·	·
Holyhead	26	999.7	+3	-	0	c	41	85	8	2500	St.Cu	8	-	8
Liverpool (Bidston)	189	·	·	·	·	·	·	·	·	·	·	·	·	·
Chester (Shotwick)	16	·	·	·	·	·	·	·	·	·	·	·	·	·
Spurn Head	26	999.9	+3	SSW	4	odd	45	92	7	2500	Nb	10	-	10
Birmingham (Edgbaston)	525	·	·	·	·	·	·	·	·	·	·	·	·	·
Nottingham	82	·	·	·	·	·	·	·	·	·	·	·	·	·
Cranwell	237	1000.3	+2	SSW	3	orr	46	97	6	1500	Nb	10	-	10
Gorleston	13	1004.3	0	SSW	5	o	44	85	6	-	-	0	A.St	10
Valencia (Cahirciveen)	36	997.4	-3	ESE	4	bc	44	85	9	-	Cu.Nb	6	-	6
Roches Point	32	·	·	·	·	·	·	·	·	·	·	·	·	·
Pembroke (St. Ann's H.)	149	1000.8	+2	NW	3	b	40	85	8	-	-	0	-	0
Ross-on-Wye	223	·	·	·	·	·	·	·	·	·	·	·	·	·
Leafield	556	·	·	·	·	·	·	·	·	·	·	·	·	·
Andover	296	·	·	·	·	·	·	·	·	·	·	·	·	·
S. Farnborough	250	·	·	·	·	·	·	·	·	·	·	·	·	·
London (Kew Obsy.)	18	·	·	·	·	·	49	·	·	·	·	·	·	·
Croydon	244	1003.8	0	S'W	3	o	~~47~~	85	7	-	-	0	A.St	10
Clacton-on-Sea	54	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	11	·	·	·	·	·	·	·	·	·	·	·	·	·
Grain	20	·	·	·	·	·	·	·	·	·	·	·	·	·
Lympne	350	1004.8	0	S	4	o	45	85	7	1500	St	10	-	10
Scilly (St. Mary's)	131	1001.4	+2	NNW	2	c	43	92	8	4000	St.Cu	8	-	8
Falmouth (Pendennis)	200	1001.3	+2	NW	1	o/r	44	92	8	5700	St.Cu	10	-	10
Plymouth (Cattewater)	82	·	·	·	·	·	·	·	·	·	·	·	·	·
Portland Bill	19	999.9	0	S	5	or₀	49	92	7	2500	Nb	10	-	10
Southampton (Calshot)	12	1002.1	0	S'W	4	o	49	85	8	4000	St.Cu	6	A.St	10
Dungeness	21	1004.8	0	SW	5	o	47	85	8	-	-	0	A.St	10
Guernsey														

Observations at 0700 G.M.T. ...14th...

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather	Temp. °F.	Humidity %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form	Total Amt. 0-10	
Lerwick	993.5	+12	W	2	bcpr₀	41	92	6	4000	Cu.Nb	3	A.St	4	1
Stornoway	993.4	+7	-	0	bc	37	92	7	4000	Cu	4	-	4	1
Wick	995.0	+6	SW	3	b	38	92	8	4000	Cu	1	Ci	2	0
Castlebay	995.0	+3	SSW	4	b	44	85	8	2500	Cu	2	-	2	4
Nairn	996.2	·	SW	2	bc-	38	85	8	1500	St	3	A.Cu	5	·
Aberdeen	998.7	+5	SSE	1	b	33	92	5	-	-	0	A.St	1	1
Malin Head	995.8	+1	SSE	5	b	36	92	9	-	-	0	A.Cu	2	1
Renfrew	1000.2	+5	-	0	b	33	85	8	-	-	0	-	0	1
Edinburgh (Inchkeith)	999.9	+4	SW	3	b	37	85	8	·	St	1	-	1	·
Leuchars	999.2	+3	WNW	3	b	34	97	8	-	-	0	-	0	·
Eskdalemuir	1001.3	+3	S'W	2	mmo	36	97	4	220	St	10	-	10	·
Tynemouth	1001.9	+3	-	0	b	35	92	4	-	-	0	-	0	·
Blacksod Point	992.0	-4	SE'S	[struck out]	[struck out]	[struck out]	85	7	·	·	·	·	9	4
Donaghadee	1000.4	+3	-	0	fo-	34	97	2	450	St	10	-	10	·
Birr Castle	996.6	·	SE	3	o+	37	92	6	4000	St.Cu	9	-	9	3
Holyhead	1000.7	+1	SE'S	2	b	40	92	8	2500	Cu	2	-	2	3
Liverpool (Bidston)	1002.1	+2	WSW	2	o/r	39	85	8	2500	St.Cu	10	-	10	·
Chester (Shotwick)	1002.1	+1	-	0	mo+	39	85	4	2500	St	10	-	10	1
Spurn Head	1001.9	+2	S	1	odd	40	97	5	1500	St	10	-	10	·
Birmingham (Edgbaston)	1002.4	+2	NNW	2	ffo	40	92	3	1500	St	10	-	10	·
Nottingham	1001.9	+2	NE	3	ogr	42	97	5	1500	St	10	-	10	·
Cranwell	1002.9	+1	-	0	odd	43	97	5	800	Nb	10	-	10	4
Gorleston	1005.0	0	SSW	5	orr	43	97	7	2500	Nb	10	-	10	·
Valencia (Cahirciveen)	991.1	-6	SSE	6	or₀	46	85	6	800	St	10	-	10	6
Roches Point	996.7	-2	SSE	4	o	46	85	8	4000	St	10	-	10	7
Pembroke (St. Ann's H.)	1001.8	+1	S	3	c	43	75	8	2500	St.Cu	7	-	7	4
Ross-on-Wye	1002.6	+3	N	1	o	40	85	8	2500	St	10	-	10	·
Leafield	1000.8	+1	W	2	odd	44	97	5	4000	St	10	-	10	·
Andover	1001.9	0	SW	3	od₀	47	97	7	800	St	10	·	10	·
S. Farnborough	1002.6	+2	SSW	3	ogr	47	97	6	1500	Nb	10	-	10	·
London (Kew Obsy.)	1003.3	+1	SSE	2	o	48	92	5	2500	St	10	-	10	·
Croydon	1004.1	+1	SSW	3	o/r	47	92	6	800	Nb	7	A.St	10	3
Clacton-on-Sea	1004.5	0	S	3	or₀	41	97	7	2500	St	10	-	10	·
Shoeburyness	1004.4	0	SW	4	c	44	85	7	2500	St.Cu	8	-	8	·
Grain	1004.7	0	S	5	o	45	92	7	1500	St	10	·	10	·
Lympne	1005.7	+2	S	3	orr	45	97	6	1500	Nb	10	-	10	·
Scilly (St. Mary's)	1002.9	-1	S'E	2	b	45	85	8	4000	Cu	2	-	2	2
Falmouth (Pendennis)	1002.8	+1	-	0	bc+	42	75	8	4000	St.Cu	5	-	5	0
Plymouth (Cattewater)	1002.8	+2	WNW	2	o	42	85	8	2500	St	10	-	10	1
Portland Bill	1003.3	0	W	3	c-	46	92	7	4000	St.Cu	7	-	7	5
Southampton (Calshot)	1002.9	+2	S	4	o/r	48	97	7	1500	St	10	-	10	0
Dungeness	1005.2	0	SW	4	or₀	48	75	8	4000	Nb	4	A.St	10	5
Guernsey	1003.7	+2	W'N	3	odd	46	97	5	1500	St	10	-	10	2

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR....13th January....

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 12th-13th °F.	Temperature Max. Day 13th °F.	Rainfall.† Night 17h.-9h. 12th-13th mm.	Rainfall.† Day 9h.-17h. 13th mm.	Sunshine	Sunshine Sunrise to Sunset 13th hr.
Montrose	ofmr	ormr	33	46	7	7		0.0
Berwick-on-Tweed	PR pr	r₀r₀d₀	33	51	4	1		0.0
Llandudno	oq,d	r	38	55	7	2		0.0
Colwyn Bay	cb	cr	37	54	6	1		0.0
Rhyl	bb	or	38	55	6	3.4		0.0
Southport	o	or	38	50	3	1		0.0
Blackpool	oro	ob	38	50	4	0.8		0.0
Ilkley	o	bc	37	52	3	-		0.0
Harrogate	oc	co	36	48	2	-		0.0
Skegness	co	o	39	43	0.1	-		0.0
Aberystwyth	ror	o	40	53	7	3		0.0
Bath	cbcb	bcco	46	50	1	-		0.7
Leamington Spa	ocb	o	44	49	1	-		1.1
Lowestoft	o	o	39	41	-	-		0.0
Felixstowe	bc	om	40	42	0.2	-		0.0
Southend	oc	cocbc	38	45	-	-		0.0

Stations	Weather Fore-noon	Weather After-noon	Temperature Min. Night 12th-13th °F.	Temperature Max. Day 13th °F.	Rainfall.† Night 17h.-9h. 12th-13th mm	Rainfall.† Day 9h.-17h 13th mm.	Sunshine	Sunshine Sunrise to Sunset 13th hr.
Ilfracombe	o	or	48	56	1	1		0.0
Bude	r	r	48	53	0.7	2		0.0
Torquay	cobc	c	48	51	2	-		0.6
Weymouth	o	o	47	49	0.6	-		0.0
Bournemouth	o	o	46	48	-	-		0.0
Portsmouth (S'thsea)	o	bco	45	48	-	-		1.4
Littlehampton	oc	oc	45	46	-	-		0.0
Worthing	o	oco	45	47	-	-		0.2
Brighton	o	c	45	47	-	-		0.0
Eastbourne	o	o	44	47	-	-		0.0
Hastings	o	oc	43	48	trace	-		0.0
Folkestone	·		40	49	-	-		0.0
Dover	coc	cocbc	42	45	-	-		0.1
Tunbridge Wells	o	o	42	47	-	-		0.0
Ramsgate	bbz	bbz	42	45	-	-		0.0
Margate	c	o	41	46	-	-		0.1
Deal	ocbc	c	41	46	trace	-		0.3

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22699 TUESDAY 15th JANUARY 1924.

Observations at 1300 G.M.T. 14th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.
Lerwick	1000·0	+4	SW	1	c+	42	92	7	2500	St	8	–	8	·
Stornoway	997·2	+4	SW	3	o/r	42	85	7	800	St	10	–	10	·
Wick	999·2	+2	SW	2	c	41	85	8	4000	StCu	4	Ci	7	·
Castlebay	997·1	+1	SE	5	c+	43	92	8	2500	St	7	–	7	·
Nairn	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Aberdeen	1001·5	+1	SSW	2	b	38	92	6	–	–	0	Ci	1	3
Malin Head	995·1	-3	SE	5	c+	39	92	8	5700	StCu	6	A.Cu	8	·
Renfrew	1000·9	-1	E	1	o+	39	85	5	2500	StCu	9	–	9	3
Edinburgh (Inchkeith)	1001·5	-1	–	0	b	39	85	6	–	–	0	–	0	·
Leuchars	1001·2	+1	–	0	b	40	85	6	–	–	0	Ci	1	1
Eskdalemuir	1001·3	-1	S'E	2	b	39	85	7	2500	Cu	2	A.Cu	3	1
Tynemouth	1003·0	+1	SW	1	ffb	39	85	2	–	–	0	–	0	·
Blacksod Point	990·2	-3	SSE	6	o+	43	92	8	·	·	·	·	9	·
Donaghadee	1000·3	0	S	4	c-	44	85	8	800	Cu	7	–	7	·
Birr Castle	994·1	*	SE	1	c-	43	85	7	4000	StCu	7	–	7	·
Holyhead	1000·7	-1	SSE	4	b+	42	85	9	4000	StCu	1	CiSt	2	2
Liverpool (Bidston)	1001·0	-3	SE	2	bc-	40	75	7	2500	Cu	6	–	6	·
Chester (Shotwick)	1001·3	-3	SSE	3	o-	43	75	8	2500	StCu	9	–	9	2
Spurn Head	1002·9	-1	–	0	mmo	39	97	4	800	St	10	–	10	·
Birmingham (Edgbaston)	1002·4	-1	SE	2	ffo	42	92	3	1500	St	10	–	10	2
Nottingham	1002·4	-1	E	2	o	41	92	7	1500	St	10	–	10	·
Cranwell	1003·3	-0	–	0	o	41	97	8	800	St	10	–	10	2
Gorleston	1005·7	0	S'W	5	o-	45	97	6	2500	Nb	7	A.Cu	9	·
Valencia (Cahirciveen)	986·5	-7	SE'S	7	orr	47	85	6	1500	St	10	–	10	2
Roches Point														
Pembroke (St. Ann's H.)	1000·0	-2	SE	4	c	43	75	8	4000	StCu	7	–	7	
Ross-on-Wye	1002·6	-2	SSW	2	o	40	85	8	2500	StCu	10	–	10	2
Leafield	1002·3	+5	S	2	od₀	42	92	6	1500	St	10	–	10	*
Andover	1002·7	-1	S	3	o	46	92	7	1500	Nb	8	A.St	10	1
S. Farnborough	1003·3	-4	S'E	3	od₀	46	97	4	800	Nb	10	–	10	2
London (Kew Obsy.)	1003·5	-2	S	3	o	49	85	6	2500	StCu	10	–	10	1
Croydon	1004·3	-1	S'W	3	o/r	47	92	6	1500	St	10	–	10	2
Clacton-on-Sea	·	·	·	·	·	·	·	·	·	·	·	·	·	·
Shoeburyness	1005·1	-1	S	5	cr₀	46	85	8	4000	StCu	8	–	8	·
Grain	1005·1	-0	S'W	4	o	48	85	8	1500	St	10	–	10	2
Lympne	1006·2	-1	S	4	o	45	92	7	1500	Nb	10	–	10	2
Scilly (St. Mary's)	989·4	-3	SSE	6	c	48	85	8	4000	Cu	7	–	7	·
Falmouth (Pendennis)	1001·4	-1	S	5	bc	46	75	8	5700	Cu	5	–	5	·
Plymouth (Cattewater)	1001·2	-4	SSE	3	c-	46	75	8	2500	StCu	7	–	7	1
Portland Bill	1002·2	-2	SSW	1	o	46	75	7	4000	StCu	10	–	10	·
Southampton (Calshot)	1003·5	-2	SE'E	3	od₀	45	97	6	800	St	10	–	10	–
Dungeness	1005·5	0	SW	4	o	47	85	7	2500	Cu	10	–	10	·
Guernsey	1003·3	-4	SE'S	4	o	47	92	8	2500	St	10	–	10	·

Observations at 1800 G.M.T. 14th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1003·1	+5	·	0	o	41	92	6	2500	St	8	ASt	10	0
Stornoway	998·8	+1	SW	2	bc	42	75	7	800	St	6	·	6	0
Wick	1000·7	+2	SSW	2	bc-	38	92	8	2500	CuNb	3	ACu	4	0
Castlebay	996·8	0	ESE	6	o+	44	92	7	1500	CuNb	9	·	9	6
Nairn	1000·5	·	–	0	b-	32	85	8	4000	Cu	2	-	2	·
Aberdeen	1002·7	+1	ESE	1	ffb	32	97	3	-	-	0	-	0	0
Malin Head	998·9	-2	ESE	5	c	41	85	8	2500	StCu	8	·	8	3
Renfrew	1001·3	-1	ESE	2	c	35	85	4	2500	St	3	CiSt	8	·
Edinburgh (Inchkeith)	1001·3	+1	SE	2	bc	36	92	7	·	St	2	ACu	6	0
Leuchars	1002·3	0	·	0	bc+	30	97	5	-	-	0	Ci	6	·
Eskdalemuir	1002·2	0	NE'E	2	o+	33	92	7	2500	StCu	9	·	9	·
Tynemouth	1003·5	+1	S	1	bc/f	37	83	4	800	St	4	·	4	0
Blacksod Point	985·4	-4	E'S	6	oPR+	42	97	5	·	·	·	·	10	7
Donaghadee	1000·0	0	S	5	c+	42	85	7	450	St	8	·	8	4
Birr Castle	989·5	·	SE	5	orr	44	92	6	2500	Nb	10	-	10	·
Holyhead	999·9	-1	SSE	4	c⊕	40	85	7	2500	StCu	1	CiSt	7	1
Liverpool (Bidston)	1001·0	0	SE'E	4	c+	38	92	5	2500	StCu	3	ASt	7	3
Chester (Shotwick)	1001·2	-1	SE	4	o	40	75	8	1500	StCu	9	·	9	·
Spurn Head	1004·1	+2	SE	2	FFo	39	97	0	<150	St	10	·	10	2
Birmingham (Edgbaston)	1002·9	0	S	3	o	41	85	5	2500	StCu	10	·	10	·
Nottingham	1003·1	0	SE	2	o-	39	97	4	1500	St	9	ACu	10	·
Cranwell	1004·2	+1	-	0	Fo	40	97	1	<150	St	10	-	10	·
Gorleston	1007·2	+1	S	3	o+	43	97	6	-	-	0	ASt	10	0
Valencia (Cahirciveen)	981·7	-4	S'E	5	c/r	47	85	7	1500	St	8	·	8	6
Roches Point	987·4	-6	SSE	9	orr₀	47	97	6	1500	Nb	10	·	10	8
Pembroke (St. Ann's H.)	997·7	-3	SSE	4	c+	45	86	8	4000	StCu	8	·	8	4
Ross-on-Wye	1002·5	0	S	1	o	43	86	6	2500	StCu	10	·	10	·
Leafield	1003·2	0	SE	3	od₀	43	97	4	1500	St	10	·	10	·
Andover	1003·2	0	SSE	3	o/r	46	97	6	1500	St	10	·	10	*
S. Farnborough	1004·4	+1	SSE	3	o	47	92	6	1500	StCu	10	·	10	·
London (Kew Obsy.)	1004·9	+1	SSW	3	bc	47	85	6	5700	StCu	5	·	5	·
Croydon	1005·7	-1	S'E	3	o	47	85	6	1500	St	10	·	10	·
Clacton-on-Sea	1006·7	+3	S	2	c	41	92	6	7200	StCu	8	·	8	1
Shoeburyness	1006·2	+1	SW	2	o	45	85	8	4000	StCu	7	ASt	10	·
Grain	1006·7	+3	S	2	o	45	83	7	4000	St	10	·	10	0
Lympne	1007·0	+3	S	3	o	45	97	7	2500	St	8	ASt	10	·
Scilly (St. Mary's)	995·2	-2	SSE	7	orr	48	97	6	4000	Nb	10	·	10	6
Falmouth (Pendennis)	997·8	-3	S	6	bc+	48	75	8	4000	StCu	5	·	5	1
Plymouth (Cattewater)	1000·6	0	S	4	ojp	47	85	8	2500	StCu	9	·	9	1
Portland Bill	1002·2	0	SSE	2	c-	48	92	7	4000	StCu	7	·	7	4
Southampton (Calshot)	1003·9	0	SE	4	od₀	46	97	7	800	St	10	·	10	0
Dungeness	1006·7	+1	SSW	3	o	47	85	7	2500	Cu	10	·	10	4
Guernsey	1003·7	+1	S	5	bc-	48	92	8	5700	StCu	2	ACu	4	4

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 0h. G.M.T. % To-day	Visibility 9h.
		24 Hours ended 0900 G.M.T. 15th											
Kew } 24 hours ended 0700	18	oir₀m	omcbc	bcbbw	*	*	33	Tr	Tr	0·0	*	*	6
Croydon } 24 hours ended 0700	244	omfr₀	o	comob	*	*	38	0·6	Tr	0·0	*	*	6
Greenwich (Royal Obsy.)	149	od	o	obcb	45	40	31	–	–	0·0	88	92	5
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	51	43	39	–	–	0·0	85	84	*
Regent's Pk. (Botanic Gdns).	158	*	*	*	*	*	*	*	*		*	*	*
Camden Square	110	o	o	*	48	41	37	–	–	*	*	88	*
Kensington Palace	80	omr₀	o	*	49	42	35	–	0·4	*	{At 18h 86	84	*
Hampstead Observatory	450	*	*	*	47	42	32	Tr	–	0·0		91	*

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hrs. ended 1600 G.M.T. 14th

South Kensington Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory Max.	Time.	Min.	Time.
0·3	1700–1900 14th	<0·3	0300 14th
0·4	0900 14th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 14th 17 h. 15 m. to 15th 06 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13·30	12·12	90
δ Ursae Minoris	13·30	11·42	87

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	130°
18h.	C	5	-	30°
01h.	C	4	-	30°
07h.	C	5	-	30°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

15th & 16th JANUARY, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·59 7·58	12·2 12·3	4·5 4·7
Greenwich	8·1 8·1	12·9 12·10	4·11 4·13
Wick	8·53 8·51	12·21 12·22	3·50 3·52
Valencia	8·44 8·43	12·50 12·51	4·56 4·58

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⩌ = lunar halo.
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: – = "decreasing": + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

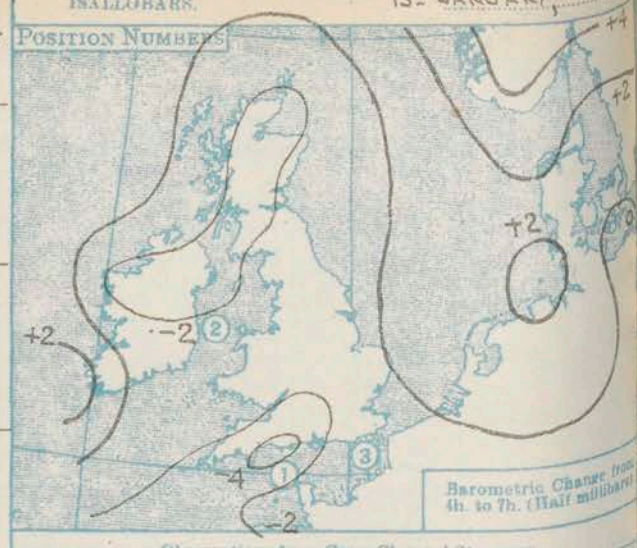
For explanation see Introduction. * Information for those columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 14th	13h.-18h. 14th	18h. 14th to 1h. 15th	1h.-7h. 15th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 14th Hours.
Lerwick	c	o	bc	o	42	37	•	4	Trace	<0800	2400	0.7
Stornoway	p	c	c	p	42	35	•	0.1	1	-	-	0.0
Wick	c	c	oo	oo	42	38	•	-	•	-	-	•
Castlebay	bc	co	arr	rr	44	38	•	-	4	-	<2100	0.7
Nairn	bc	bcbc	bxbcc	cq	39	30	•	-	-	-	-	2.5
Aberdeen	bmb	bmfx	bxfm	bcom	38	31	25	-	-	-	-	4.7
Malin Head	c.ov	coq	oqir	oqir	42	39	•	-	5	-	<2100	0.1
Renfrew	bxmfc	omcx	cmofx	omrr	41	34	32	-	3	-	0230	2.1
Edinburgh (Inchkeith)	b	bbc	c	oo	41	35	?	-	-	-	-	3.6
Leuchars	b-bc	bombcx	bcbmxo	om	41	29	16	-	-	-	-	5.1
Eskdalemuir	oc.bcb.	obcco	o	oobr	41	30	26	-	0.5	-	0430	2.9
Tynemouth	bff	bcff	obm	bm	39	32	31	-	-	-	-	•
Blacksod Point ...	c	oo	p	p	44	35	•	3	2	-	-	•
Donaghadee	c	oq	drq	drq	44	41	•	-	6	-	<2100	•
Birr Castle	c.o.	coirr	oirq	oirq	44	44	40	2	3	1630	<2100	1.5
Holyhead	b.bv.	bcvc	cbcbo	ocbcw	43	39	37	-	0.2	-	-	5.6
Liverpool (Bidston) ...	o.c.	c		com	45	37	32	-	Trace	-	-	2.6
Chester (Shotwick) ...	om.o.	obccc	co	co	47	36	29	-	-	-	-	2.4
Spurn Head	fdrm	offo	c	cbcw	43	39	•	0.4	0.2	<0800	<2100	0.0
Birmingham (Edgbaston)	off	oco	obcb	bco	42	40	38	-	-	•	-	0.0
Nottingham	r.	oo	oc	c	42	39	31	0.3	-	<0800	-	0.0
Cranwell	r.d.o	omf	omfc	om	43	38	35	1	-	<0800	-	0.0
Gorleston	orq	cq	cbcb	bcb	46	37	34	1	-	11.00	-	0.0
Valencia (Cahirciveen)	oc.or	orc	co	oro	48	46	43	13	9	12.30	0230	0.0
Roches Point		orr	r.r.	d.d.	48	45	•	3	5	12.30	<2100	3
Pembroke (St. Ann's H.)	c	c	oo	ddo	45	44	•	-	1	-	<2100	3.6
Ross-on-Wye	oo.	oo	ocbbc	cod.o	43	43	38	-	Trace	-	0330	0.0
Leafield	c.od.	codcw	fdbc	obbc	47	40	35	0.3	0.1	-	<2100	0.0
Andover	od.mo	odmow	od.mc	c	47	40	35	1	Trace	<0800	<2100	0.0
S. Farnborough ...	r.od.m	odmo	od.o	ocbc	47	40	30	0.5	0.1	<0800	<2100	0.0
London (Kew Obsy.) ...	oir.m	omcbc	bcc	cbcbbw	49	43	39	Trace	Trace	<0800	-	0.0
Croydon	om.r.r.	o	com	ob	47	43	38	0.6	Trace	<0800	-	0.0
Clacton-on-Sea ...	oypc	c	co	ocbc	43	40	36	0.3	-	09.00	-	0.4
Shoeburyness	cor.r.	co	ocbc	bx	47	36	28	Trace	-	-	-	0.0
Grain	or.o	oco	ocbcb	bbc	48	41	35	0.2	0.1	<0800	-	0.0
Lympne	or.	o	ob	bw	46	42	37	0.3	Trace	<0800	-	0.0
Scilly (St. Mary's) ...	byyq.	cqrr	oqrr	oqr	49	47	•	1	5	16.30	<2100	2.0
Falmouth (Pendennis)	bc	bc	bcond	cbcr	48	47	•	-	Trace	-	-	4.7
Plymouth (Cattewater)	o.c.	oo	od	od	48	47	43	-	Trace	-	2400	1.5
Portland Bill	c	c	bbc	bbc	49	47	•	-	-	-	-	•
Southampton (Calshot)	od.d.m	oid.	od.obcbbw	bw	48	44	43	0.1	Trace	<0800	-	0.0
Dungeness	c	oo	c	bbc	48	45	•	Trace	-	<0800	-	•
Guernsey	od.o.	cbcbc	ocbcb	bcc	50	45	•	•	0.6	-	0330	•

ISALLOBARS. 15th JANUARY, 1924

POSITION NUMBERS



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	14th 1000	ANGLIA	S	5	bc	45	47	9
3	15th 0100	BRIGHTON	SSW	3	bv	48	43	9

GENERAL INFERENCE.

The large depression almost stationary off S.W. Ireland and the rise of pressure over Scandinavia will tend to make winds more easterly. There will be further rain in the West but weather will be mainly fair in the eastern districts with a moderate temperature

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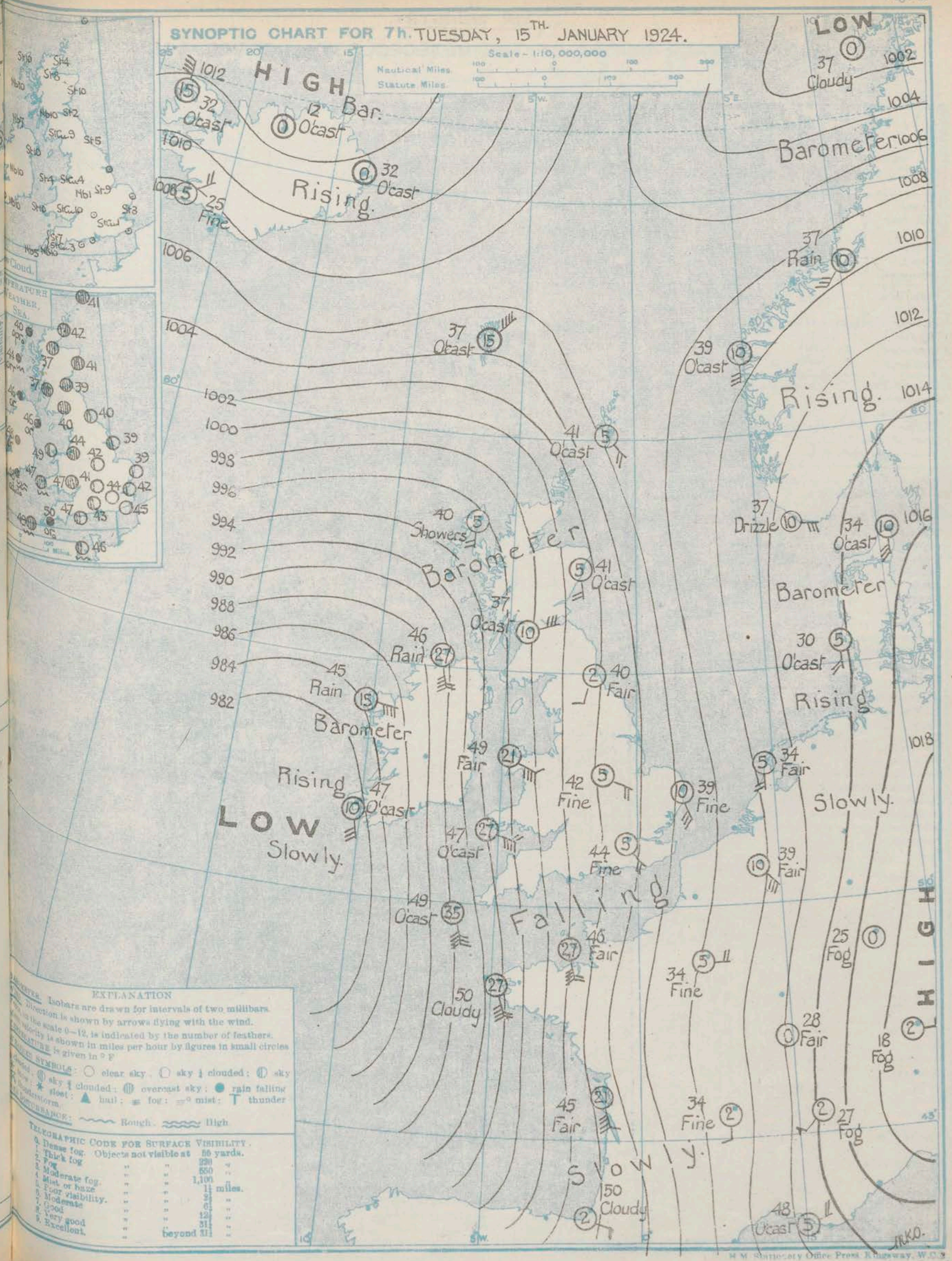
Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 15th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands	Wind S.E., backing towards E. slowly, moderate or fresh; mainly fair; visibility moderate to good; moderate temperature.	Colder with winds mainly between E. and S.E. ---------
4. W. Midlands 5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind mainly S.E., strong to high; occasional rain or drizzle; visibility moderate; mild.	
9. N. Midlands 10. N.E. England	Wind S.E. to E., moderate; fair; visibility moderate to good; moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S.E. to E., moderate or fresh; slight rain locally at first, fair later; mist in places; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 4 - 8.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. TUESDAY, 15TH JANUARY 1924. No. 15

Observations at 0100 G.M.T. 15th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10
Lerwick	54	1005.5	+3	SW	1	bc	41	97	6	4000	Cu	1	Ci St	5
Stornoway	51	998.0	-2	SW	1	0	*	*	5	*	*	*	*	*
Wick	81	1000.0	-1	SSE	3	0	40	92	8	1500	St	4	A St	10
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	999.1	-4	SE	7	or	42	92	7	4000	Nb	5	A St	10
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1000.0	-1	E	1	0+	37	85	6	*	-	0	A St	10
Lenchars	30	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1002.3	-1	S	2	b	37	97	6	-	-	0	-	0
Blacksod Point	10	985.6	+1	E'S	4	0	45	85	5	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	995.7	-2	SSE	6	0	47	85	8	1500	St	10	-	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	10	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1004.2	-2	SSE	4	bc	40	97	7	4000	St Cu	6	-	6
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	257	1004.2	-1	SE'S	3	bc-	40	97	5	1500	St	5	-	5
Gorleston	13	1007.8	0	S'W	3	b-	42	92	6	-	-	0	Ci Cu	3
Valencia (Cahirciveen)	30	984.1	-1	SE	3	0	49	92	7	-	St	10	-	10
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	140	995.4	0	SE	6	odd	47	92	7	1500	Nb	10	-	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	395	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	46	*	*	*	*	*	*	*
Croydon	244	1005.5	-1	S'E	3	0	46	92	7	2500	St	7	A St	9
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1007.1	0	S	3	b	43	92	7	-	-	0	A Cu	1
Scilly (St. Mary's)	131	993.6	-1	SSE	7	or-	49	97	6	4000	Nb	10	-	10
Falmouth (Pendennis)	200	995.1	-1	SSW	7	0/r	49	92	7	4000	St Cu	10	-	10
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1002.8	-2	SSE	5	b	48	92	7	-	-	0	-	0
Southampton (Calshot)	12	1003.8	-1	SSE	5	b-	47	92	8	-	-	0	-	0
Dungeness	21	1006.1	0	S	3	b-	46	92	8	-	-	0	-	0
Guernsey	—													

Observations at 0700 G.M.T. 15th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun 0-10
Lerwick	1006.6	0	SE	2	0	41	92	6	-	-	0	A St	10	1
Stornoway	995.4	-1	S	2	0/r	40	92	6	450	St	10	-	10	1
Wick	999.1	-3	SSE	4	0	42	85	8	1500	St	4	A St	10	3
Castlebay	992.5	0	E	5	or	44	97	6	800	Nb	10	-	10	7
Nairn	993.0	*	"	0	c+	37	85	8	1500	St	8	-	8	1
Aberdeen	1001.6	-1	S'E	2	0	41	97	6	2500	St	10	-	10	1
Malin Head	989.1	-1	SSE	6	or	46	97	7	4000	Nb	7	A St	10	4
Renfrew	998.1	-2	ENE	3	0/r	37	92	4	1500	Nb	10	-	10	0
Edinburgh (Inchkeith)	998.7	-2	SE	2	0-	39	85	7	*	St	2	A St	9	0
Lenchars	1000.0	-1	SE	3	0	37	97	6	-	-	0	A St	10	0
Eskdalemuir	999.6	0	E	1	0/r	40	92	7	1500	St Cu	9	-	9	0
Tynemouth	1001.9	-1	SSW	1	bc+	40	97	6	800	St	5	-	5	0
Blacksod Point	985.4	-2	E'S	4	or r	45	97	5	*	*	*	*	10	5
Donaghadee	995.2	-3	S	4	or	46	97	8	800	St	10	-	10	A
Birr Castle	986.8	*	SE	3	or	48	97	4	2500	Nb	10	-	10	4
Holyhead	995.0	-1	SE'E	5	bc-	49	85	8	5700	St	4	-	4	4
Liverpool (Bidston)	999.1	+1	SE'E	4	0+	44	92	4	4000	St Cu	4	Ci St	9	.
Chester (Shotwick)	998.9	-2	SE	4	0+	46	85	7	1500	St	10	-	10	.
Spurn Head	1003.8	-1	SSE	5	bc	39	97	6	-	-	0	Ci St	4	3
Birmingham (Edgbaston)	1001.3	-1	SSE	4	0	45	92	6	1500	Nb	10	-	10	.
Nottingham	1002.6	-1	ESE	2	b-	42	97	5	1500	Nb	1	Ci	2	.
Cranwell	1003.8	-1	SE	4	0	42	97	5	800	St	9	A St	10	0
Gorleston	1007.7	0	S'E	3	b-	39	92	6	-	-	0	A Cu	2	
Valencia (Cahirciveen)	981.5	+3	SSE	3	0/r	47	92	6	1500	St Cu	10	-	10	5
Roches Point	985.4	-1	SSE	7	odd	48	97	7	1500	Nb	10	-	10	8
Pembroke (St. Ann's H.)	994.0	-1	ESE	6	0/r*	47	92	7	1500	St	10	-	10	6
Ross-on-Wye	1000.3	-1	SE'S	3	0	47	85	7	2500	St Cu	10	-	10	.
Leafield	1001.8	-2	SE	3	b	41	97	6	-	-	0	A St	2	
Andover	1002.0	-1	SE'E	3	c	41	97	7	2500	St Cu	2	Ci	7	.
S. Farnborough	1003.3	-1	SE	3	bc-	43	92	6	2500	St Cu	6	-	6	.
London (Kew Obsy.)	1003.9	-1	SE	2	b+	44	85	6	4000	St Cu	1	-	1	.
Croydon	1004.6	0	SSE	3	b+	43	85	7	-	-	0	Ci	2	
Clacton-on-Sea	1005.2	-1	SSE	3	b+	42	92	7	2500	St	3	-	3	1
Shoeburyness	1005.8	0	SE	1	b-	40	85	8	-	-	0	-	0	0
Grain	1006.9	-1	SE'S	4	b-	41	92	7	-	-	0	-	0	0
Lympne	1006.3	0	SE	3	b	42	97	6	-	-	0	-	0	0
Scilly (St. Mary's)	990.7	-2	SSE	7	0/r	49	97	7	4000	Nb	5	A St	10	7
Falmouth (Pendennis)	993.5	-1	S	6	or st	50	85	7	4000	Nb	10	-	10	4
Plymouth (Cattewater)	996.4	-1	SSE	4	o-	48	85	7	1500	St	10	-	10	1
Portland Bill	999.0	-4	SSE	5	bc+	47	85	7	-	-	0	A Cu	4	4
Southampton (Calshot)	1001.4	-4	SE	5	b-	45	85	8	-	-	0	A St	1	5
Dungeness	1005.6	-1	SE	5	b	45	85	7	-	-	0	-	0	6
Guernsey	999.3	-1	S'E	6	bc+	46	92	7	-	-	0	A Cu	4	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15th JANUARY 1924.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night, 13th-14th °F.	Temperature. Max. Day, 14th °F.	Rainfall.† Night 17h.-9h. 13th-14th mm.	Rainfall.† Day 9h.-17h. 14th mm.	Sunshine.	Sunshine. Sunrise to Sunset, 14th hr.
Montrose	bz	bfx	34	41	1	-		5.5
Berwick-on-Tweed	+cxbc	zbcz	35	41	1	-		5.9
Llandudno	b	bbc	34	43	4	-		6.0
Colwyn Bay	bc	bc	35	44	3	-		6.4
Rhyl	bc	bc	36	45	3	-		6.2
Southport	ocbc	bcbco	38	42	3	-		1.4
Blackpool	o	o	36	40	6	-		0.0
Ilkley	+mbc	bcom	29	38	2	-		0.0
Harrogate	b	bo	29	40	1	-		2.7
Skegness	oido	odofe	40	45	3	1		0.0
Aberystwyth	+o	cb	39	43	7	-		3.0
Bath	o	o	41	46	2	-		0.0
Leamington Spa	o	o	42	45	3	-		0.0
Lowestoft	o	o	40	44	1	-		0.1
Felixstowe	od	o	40	42	1	0.6		0.3
Southend	od.	od. co	41	46	0.2	0.1		0.0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night, 13th-14th °F.	Temperature. Max. Day, 14th °F.	Rainfall.† Night 17h.-9h. 13th-14th mm.	Rainfall.† Day 9h.-17h. 14th mm.	Sunshine.	Sunrise to Sunset, 14th hr.
Ilfracombe	ocbc	bcco	41	45	3	-		5.2
Bude	cbcbc	bcbcc	40	54.5	3	-		4.9
Torquay	co	bcc	41	47	1	-		0.7
Weymouth	bco	coeo	43	49	1	-		2.4
Bournemouth	o	o	45	47	2	1		0.5
Portsmouth (S'thsea)	of d.	mid of	46	48	Trace	Trace		0.0
Littlehampton	oco	coc	45	47	0.5	-		0.0
Worthing	df	o	45	47	2	-		0.0
Brighton	+oo	coo	46	47	2	0.5		0.9
Eastbourne	+o	oco	46	48	1	0.3		0.5
Hastings	odmo	ocbcco	46	49	1	0.3		0.6
Folkestone	bc	bc	41	46	1	-		0.5
Dover	+o	co	45	48	1	Trace		0.0
Tunbridge Wells	o+o	o	44	48	3	0.5		0.2
Ramsgate	obc	bc	44	47	-	-		0.0
Margate	o	o	44	48	-	-		0.7
Deal	o+o	bcc	44	48	1	-		

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 3. ‡ See footnote page 1

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22700 WEDNESDAY, 16th JANUARY 1924

Observations at 1300 G.M.T. 15th / Observations at 1800 G.M.T. 15th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1006·7	0	SE	2	od₀	44	97	6	4000	Nb	10	–	10	•	1005·4	−1	SE	3	od₀	45	97	6	4000	Nb	10	–	10	2
Stornoway	995·2	−1	SE	3	or₀r₀	43	92	6	450	St	10	–	10	•	995·0	0	SE	3	o/r	45	92	6	450	St	10	–	10	2
Wick	1000·1 (~~1001·4~~)	+1	SSE	4	o	43	92	7	1500	St	4	A St	10	•	997·0	0	S	4	o	43	92	7	800	St	10	–	10	3
Castlebay	991·6	−0	E	5	or₀r₀	46	97	6	800	Nb	10	–	10	•	992·8	+0	ESE	5	o/r	46	97	6	800	Nb	10	–	10	7
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	998·2	•	E	1	o	41	85	6	4000	StCu	9	–	9	•
Aberdeen	1001·9	+0	SSW	3	o	44	97	5	1500	St	10	–	10	2	1002·1	0	SSE	3	o	44	97	6	1500	St	10	–	10	1
Malin Head	989·3	+1	SE	5	o	49	85	7	2500	StCu	10	–	10	•	990·4	+2	SE'E	6	o/r	47	92	7	4000	Nb	4	A St	10	4
Renfrew	998·3	−1	ESE	3	o	46	85	5	4000	StCu	7	A.St	10	2	998·1	+0	E	2	o	44	85	4	2500	St	10	–	10	•
Edinburgh (Inchkeith)	998·9	−2	E	2	o	41	85	7	•	St	2	Ci-Cu	9	•	998·9	−1	E	1	o	44	85	7	•	StCu	8	CiCu	9	0
Leuchars	1000·0	−1	E	1	o	40	85	6	–	–	0	A.St	10	1	999·8	+0	NE	3	o+	38	97	6	800	St	8	A.St	10	•
Eskdalemuir	990·0 (~~999·0~~)	−2	ESE	4	o	44	85	7	1500	StCu	9	–	9	1	999·3	0	SE	3	o	41	85	7	1500	StCu	10	–	10	•
Tynemouth	1002·7	−1	SSE	1	o	43	97	6	800	St	10	–	10	•	1001·9	+1	SSE	1	b₀-	42	92	6	1500	St	2	–	2	1
Blacksod Point	984·8	+2	SE'S	4	o	48	85	8	•	•			10	•	986·6	+2	SE'S	4	o	46	92	8	•	•	•	•	10	5
Donaghadee	995·6	0	S	4	c-	47	92	8	–	–	0	A.St	8	•	995·1	0	S'E	5	o+	46	92	7	800	St	10	–	10	6
Birr Castle	987·2	*	SE	2	oRR	49	92	6	4000	Nb	10	–	10	•	988·0	•	SE	2	oRR	47	97	6	4000	Nb	10	-	10	•
Holyhead	995·0	−1	SE'S	5	o	49	75	7	4000	StCu	1	Ci St	10	1	994·9	0	ESE	3	o/r	47	85	6	5700	St	4	ASt	10	3
Liverpool (Bidston)	997·4	−3	SE	4	o	46	85	6	2500	St	9	–	9	•	997·5	0	ESE	5	o	45	85	4	4000	StCu	5	ASt	10	5
Chester (Shotwick)	997·9	−2	SE	5	o	47	85	7	1500	St	8	Ci	9	1	995·1	0	SE'E	5	o-	45	85	5	800	St	8	AC	9	•
Spurn Head	1004·6	+3	SSE	4	b₀	41	92	7	–	–	0	–	0	•	1004·4	+1	SE	5	bc	40	92	7	-	-	0	CiCu	5	2
Birmingham (Edgbaston)	1000·4	−2	SE	4	o	45	85	6	2500	Cu	1	A.St	10	2	1000·1	−1	SSE	4	o	44	85	4	-	-	0	ASt	10	•
Nottingham	1001·5	−2	ESE	3	c	47	85	7	–	–	0	Ci	8	•	1001·6	0	E	3	bc	43	97	7	-	-	0	CSt	4	•
Cranwell	1003·2	−2	SE	4	bc	45	92	6	–	–	0	Ci	8	1	1003·2	+1	ESE	3	c	41	97	6	7200	St	1	ASt	7	•
Gorleston	1007·4	0	SSE	2	b	43	85	6	–	–	0	ACu	2	•	1006·4	−1	SE	4	b	39	97	6	-	-	0	-	0	1
Valencia (Cahirciveen)	984·0	+1	SSE	4	c-	48	85	8	1500	St	8	–	8	2	985·6	+2	SE'S	4	bc	48	86	8	2800	StC	4	-	4	4
Roches Point	986·8	+1	SSE	5	o	48	97	6	1500	StCu	7	A.St	10	•	987·9	+1	SE	4	o	47	97	7	2500	StC	10	-	10	5
Pembroke (St. Ann's H.)	993·8	−1	SSW	6	od₀	47	92	7	1500	Nb	10	–	10	•	993·3	0	ESE	5	orr	46	92	7	1500	Nb	10	-	10	6
Ross-on-Wye	999·1	−3	SE	3	c	50	75	7	–	–	0	A.St	8	1	999·0	0	SE	3	c	46	85	8	4000	C	6	CSt	8	•
Leafield	1000·5	−1	S	5	bc+	46	85	8	–	–	0	A.Cu	5	2	999·7	−3	S	5	bc	43	85	8	-	-	0	AC	4	•
Andover	1000·8	−1	SE'E	4	c	48	85	8	5700	StCu	4	Ci	8	1	999·8	−1	E'S	2	c⊕	42	92	7	-	-	0	Ci	8	*
S. Farnborough	1002·4	−2	SSE	4	c	49	85	7	2500	Cu	1	Ci	8	2	1000·9	−2	SE	3	c	43	85	6	-	-	0	Ci	8	•
London (Kew Obsy.)	1002·8	−4	SE	3	c	50	75	6	–	–	0	Ci	8	1	1001·6	+1	E	3	b	45	75	6	-	-	0	Ci	2	•
Croydon	1003·3	−4	SSE	3	c	48	75	6	–	–	0	Ci	7	2	1002·1	−1	SE	4	c	43	85	6	4000	StC	1	CSt	7	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1003·8	−1	ESE	3	bc	42	92	6	-	-	0	ASt	5	1
Shoeburyness	1005·0	−2	SE	3	b	47	75	7	–	–	0	Ci	1	•	1003·2	−2	SE	3	b	41	85	7	-	-	0	Ci	1	•
Grain	1004·7	−2	SSE	4	b	49 (~~45~~)	75	8	–	–	0	Ci	2	2	1003·3	0	E'S	4	b	41	92	6	-	-	0	Ci	3	0
Lympne	1004·7	+4	SE	3	b	47	75	7	–	–	0	Ci	2	2	1003·2	−1	ESE	4	bc	43	85	6	-	-	0	ASt	4	•
Scilly (St. Mary's)	990·4	0	SE'S	6	or₀	50	97	6	4000	Nb	10	–	10	•	990·5	0	SE	5	or₀	50	97	6	4000	Nb	10	-	10	7
Falmouth (Pendennis)	993·3	−1	SSE	6	or-	49	92	7	4000	Nb	9	–	9	•	992·5	0	SE	5	or₀	49	92	7	4000	Nb	10	-	10	4
Plymouth (Cattewater)	995·6	−1	SE	4	o	49	85	7	2500	St	10	–	10	1	995·2	0	SE	4	or	48	85	7	1500	St	10	-	10	3
Portland Bill	998·8	−2	SSE	5	c+	48	85	7	–	–	0	Ci-Cu	7	•	998·8	−2	SE	5	bc	48	85	7	-	-	0	CiC	4	6
Southampton (Calshot)	1000·7	−3	SE'E	5	o+	45	92	7	–	–	0	Ci	9	0	999·7	−2	E'S	5	bc	45	92	6	-	-	0	Ci	6	3
Dungeness	1004·4	−2	SSE	4	b	46	85	7	–	–	0	CiCu	3	•	1002·2	−2	SE	4	bc	46	75	7	-	-	0	AC	4	5
Guernsey	998·2	−3	SE'S	7	o	47	92	8	–	–	0	CiSt	9	•	997·0	−1	SSE	6	c+	48	92	7	-	-	0	CiSt	8	5

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 16th											
Kew (24 hours ended 0700)	18	bcwcz	ci(z)cbz	bcmfx	•	•	30	–	–	3·4	•	•	3
Croydon (24 hours ended 0700)	244	bccm	cm₀	cbmx	•	•	26	–	–	5·0	•	•	4
Greenwich (Royal Obsy.)	148	b	bccbc	bcb	49	34	27	–	–	5·2	75	94	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·1	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	51	37	34	–	–	1·8	67	85	•
Regent's Pk. (Botanic Gdns).	163	•	•	•	•	•	•	•	•	0·4	•	•	•
Camden Square	110	c	c	•	48	33	31	–	–	•	•	97	•
Kensington Palace	80	b	bc	•	50	36	29	–	–	•	(At 18h 78)	91	•
Hampstead Observatory	450	•	•	•	47	31	27	–	–	0·3		98	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 15th

	Max.	Time.	Min.	Time.
South Kensington	0·6	1800 14th	<0·3	0100-0800 15th
	1·0	0800 15th		
Kew Observatory	0·3	2000 14th	<0·3	0100 15th
	0·4	0300-0900 15th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 15th 17h. 15m. to 16th 06h. 45m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13·30	11·40	86
δ Ursae Minoris	13·30	11·10	82

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Hoar frost to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	c	6	–	175°
18h.	c	6	–	160°
[illegible]	c	4	–	30°
07h.	c	5	–	140°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 16th & 17th January, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·58 / 7·57	12·3 / 12·3	4·17 / 4·19
Greenwich	8·1 / 8·0	12·10 / 12·10	4·19 / 4·21
Wick	8·51 / 8·50	12·22 / 12·22	3·52 / 3·54
Valencia	8·43 / 8·42	12·51 / 12·51	4·58 / 5·0

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
b(r)="hail" or "rain and hail."
Capital letters indicate intense: suffix o indicates slight; repetition of letters indicates continuity.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
<= { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⊕ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/r = fair weather after rain; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

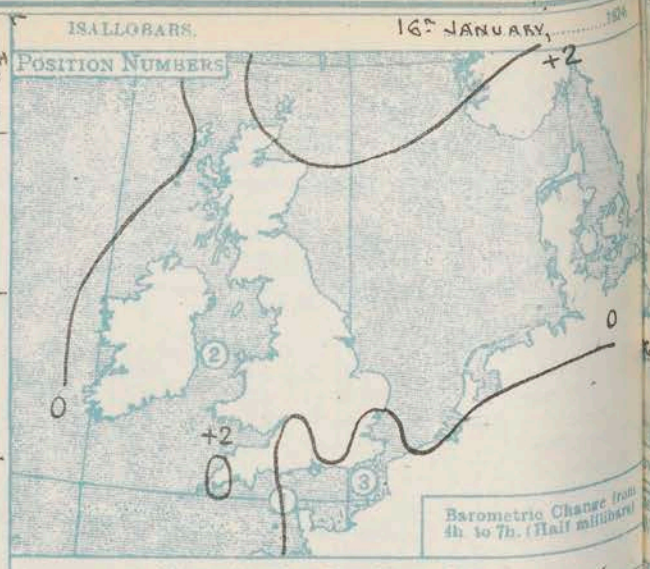
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 15th	13h.-18h. 15th	18h. 15th to 1h. 16th	1h.-7h. 16th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN 15th Hours.
Lerwick	omd	omd	omd	o	45	43	•	0.1	Trace	1230	<2100	0.0
Stornoway	r	r	c	oo	45	43	•	7	2	-	-	0.0
Wick	oiro	oo	oo	oo	43	42	•	0.2	-	0900	-	•
Castlebay	rr, r.	r.rr	r.r	r.o	46	45	•	5	1	<0800	-	0.0
Nairn	cgo	ogm	ogcm	oq	43	39	•	-	-	-	-	0.0
Aberdeen	op.m	om.	om	omq	44	42	41	0.1	-	<0800	-	0.0
Malin Head	c.oq.	cogir	or.	oirm	49	43	•	0.6	2	1430	<2100	0.0
Renfrew	om	omom	om	oo	47	36	35	-	-	-	-	0.1
Edinburgh (Inchkeith)	oo	oo	oo	oo	45	40	?	-	-	-	-	0.0
Leuchars	om	om.om.	om	opr.m	42	36	29	-	0.2	-	-	0.0
Eskdalemuir	opr.o	oo	ocbc	bccm	45	35	32	-	-	-	-	0.5
Tynemouth	om	cm	c	oq	43	41	38	-	-	-	-	•
Blacksod Point	oo	oo	c	c	48	41	•	2	-	-	-	•
Donaghadee	oq	oq	orq	orq	48	43	•	0.3	7	<0800	<2100	•
Birr Castle	orr.o	oRR	oRR	co	49	47	44	8	4	<0800	<2100	0.0
Holyhead	bc.c.o	or.m	irm	or.dd	50	44	42	0.1	2	1630	<2100	0.3
Liverpool (Bidston)	oo	cm		of	47	39	36	-	-	-	-	0.0
Chester (Shotwick)	oo	oom	oqom	om	48	39	35	-	-	-	-	0.0
Spurn Head	b-bc	b-bc	bbc	bbc	42	37	•	-	-	-	-	3.1
Birmingham (Edgbaston)	c	co	ocmf	cbcff	47	35	32	-	-	-	-	0.7
Nottingham	b	b-bc	cb	bbc	40	35	31	-	-	-	-	0.8
Cranwell	c	c	cm	bm	47	33	29	-	-	-	-	1.8
Gorleston	b-bc	bq	bz	binq	43	38	35	-	-	-	-	6.5
Valencia (Cahirciveen)	op.c	bc	bcco	o	50	47	43	2	-	1100	-	2.8
Roches Point	d.d.o	o.ir	odrr	rro	48	46	•	7	6	<0800	<2100	*
Pembroke (St. Ann's H.)	o.op.d.	r.d	oo	p	48	43	•	3	2	1230	2200	0.0
Ross-on-Wye	oc.	c.bcc	bcc	ocp	51	40	37	-	-	-	-	2.0
Leafield	bc	bc	obcb	bcf	48	34	?	-	-	-	-	0.3
Andover	c	c	cbc	bccc	48	36	29	-	-	-	-	2.0
S. Farnborough	bccm.c	c	c.b	bbcw	50	34	26	-	-	-	-	3.7
London (Kew Obsy.)	bcw.cq	cicbq	cbcm	bcmqmx	50	37	30	-	-	-	-	3.4
Croydon	bc.cm.	cm.	cbcm	cbmx	50	33	26	-	-	-	-	5.0
Clacton-on-Sea	bcq	bcq	bcz	bcz	43	39	36	-	-	-	-	6.6
Shoeburyness	b	b	b	bw	48	35	31	-	-	-	-	6.3
Grain	bb	bbqbm		bmmx	49	36	31	-	0.1	-	<2100	6.3
Lympne	b	bbcm	bcmw	bw	47	37.	33	-	0.1	-	-	6.4
Scilly (St. Mary's)	org.	oir.q	orq	or	50	48	•	1	0.4	0900	<2100	0.0
Falmouth (Pendennis)	c.o.or	cor	orco	cor	50	48	•	1	1	<0800	<2100	0.0
Plymouth (Cattewater)	oq	oq	orq	ord	50	48	34	0.2	0.6	<0800	<2100	0.0
Portland Bill	c	c	c	c	48	46	•	-	Trace	-	0130	•
Southampton (Calshot)	c	ocbc	bcwcobcw	bcwco	47	42	41	-	-	-	-	2.5
Dungeness	b-bc	c	bbc	bbc	48	42	•	-	-	-	•	
Guernsey	c.bc.cq	cbccq	cq	obqoq	49	46	•	-	Trace	-	0630	

Grass?



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	15th 1005	ANGLIA	SE	7	oe	-	47	7
1	15th 1200	IBEX	SSE	6	o-	50	49	7
3	16th 0100	DIEPPE	ESE	3	b	44	48	8

GENERAL INFERENCE.

A depression remains stationary off our S.W. coasts and the barometer continues to rise over Scandinavia. Winds will be from a point between E. and S.E. temperature falling somewhat. Weather is likely to remain fair in the eastern districts while further rain will occur locally in the West.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 16th January, 1924.	Further Outlook.
1. S.E. England 2. E. England	Wind S.E. to E., moderate, fresh locally on coasts; some mist inland; fair; rather colder; frost locally at night.	Winds mainly between E. and S.E. during next day or two; temperature falling somewhat. ---
3. E. Midlands 4. W. Midlands	Wind E. light or moderate; fine; some mist night and morning; rather colder, with night frost.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind mainly S.E., moderate or fresh; cloudy, rain in places; visibility moderate to good; rather colder.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Wind E. to S.E., moderate; cloudy to fair; mist locally; rather cold.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind mainly S.E. fresh or moderate; cloudy, probably slight rain in places; mist locally; rather cold.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind mainly S.E.; light or moderate; cloudy, probably slight rain in places; mist or fog locally; rather colder.	

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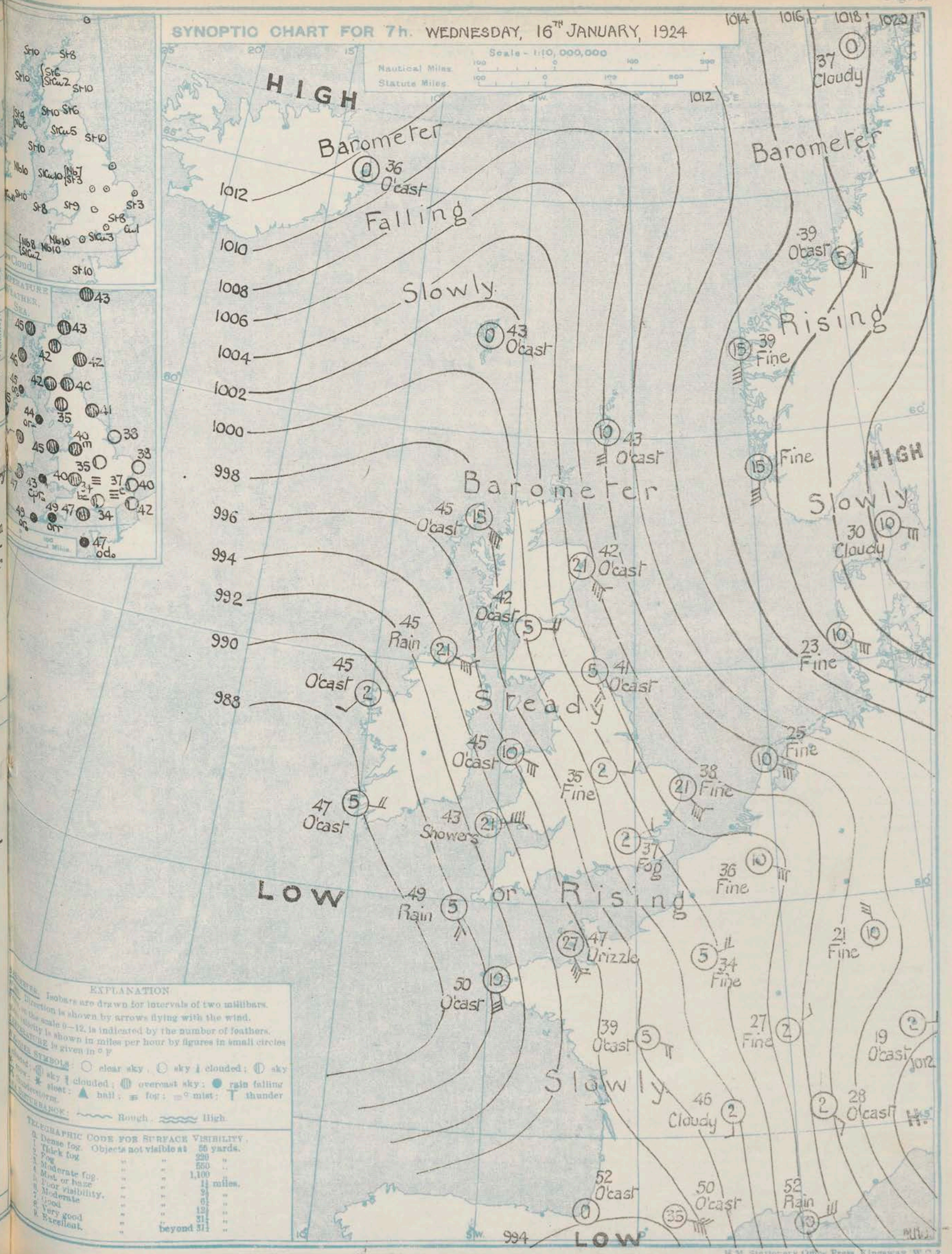
Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. WEDNESDAY, 16TH JANUARY 1924. No. 16

Observations at 0100 G.M.T. 16th

Stations	Heights above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1006.4	0	SSE	3	od	45	97	6	4000	Nb	5	A.St	10
Stornoway	51	997.4	+1	SE	3	0	-	-	5	-	-	-	-	-
Wick	81	1000.6	+2	S	3	0	43	97	8	1500	St	10	-	10
Castlebay	37	-	-	-	-	-	-	-	-	-	-	-	-	-
Nairn	62	-	-	-	-	-	-	-	-	-	-	-	-	-
Aberdeen	46	-	-	-	-	-	-	-	-	-	-	-	-	-
Malin Head	71	999.1	+1	SE	6	0/r	46	92	7	4000	Nb	3	A.St	10
Renfrew	58	-	-	-	-	-	-	-	-	-	-	-	-	-
Edinburgh (Inchkeith)	100	1000.7	+1	S	3	0	43	85	8	-	St	2	A.St	9
Leuchars	38	-	-	-	-	-	-	-	-	-	-	-	-	-
Eskdalemuir	784	-	-	-	-	-	-	-	-	-	-	-	-	-
Tynemouth	118	1002.2	0	S	2	0+	42	92	6	-	-	0	A.St	10
Blacksod Point	10	998.7	+1	E	3	0	41	85	5	-	-	-	-	10
Donaghadee	35	-	-	-	-	-	-	-	-	-	-	-	-	-
Birr Castle	175	-	-	-	-	-	-	-	-	-	-	-	-	-
Holyhead	28	999.6	0	ESE	3	or	46	85	6	1500	Nb	10	-	10
Liverpool (Bidston)	189	-	-	-	-	-	-	-	-	-	-	-	-	-
Chester (Shotwick)	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Spurn Head	26	1002.2	-1	ESE	5	bc	39	97	5	-	-	0	C.St	5
Birmingham (Edgbaston)	625	-	-	-	-	-	-	-	-	-	-	-	-	-
Nottingham	82	-	-	-	-	-	-	-	-	-	-	-	-	-
Cranwell	267	1002.2	-1	SE'E	3	bc	35	97	5	-	-	0	A.St	5
Gorleston	13	1005.2	-1	SE	4	b	38	92	5	-	-	0	-	0
Valencia (Cahirciveen)	30	987.3	0	SE	3	0	47	92	7	-	St	10	-	10
Roches Point	32	-	-	-	-	-	-	-	-	-	-	-	-	-
Pembroke (St. Ann's H.)	140	993.3	-1	ESE	5	0	46	92	7	1500	St	10	-	10
Ross-on-Wye	223	-	-	-	-	-	-	-	-	-	-	-	-	-
Leafield	574	-	-	-	-	-	-	-	-	-	-	-	-	-
Andover	295	-	-	-	-	-	-	-	-	-	-	-	-	-
S. Farnborough	230	-	-	-	-	-	-	-	-	-	-	-	-	-
London (Kew Obsy.)	18	-	-	-	-	-	41	-	-	-	-	-	-	-
Croydon	244	1000.7	-1	SE'E	2	bc	39	92	6	-	-	0	C.St	5
Clacton-on-Sea	54	-	-	-	-	-	-	-	-	-	-	-	-	-
Shoeburyness	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Grain	20	-	-	-	-	-	-	-	-	-	-	-	-	-
Lympne	350	1001.1	-2	ESE	4	b	38	92	6	-	-	0	-	0
Scilly (St. Mary's)	121	990.4	0	SSE	4	or	49	97	7	4000	Nb	10	-	10
Falmouth (Pendennis)	200	991.4	-2	SE	6	0	49	85	7	4000	St.Cu	10	-	10
Plymouth (Cattewater)	82	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland Bill	19	993.3	-4	SE	4	or	47	92	7	2500	Nb	10	-	10
Southampton (Calshot)	13	998.5	-3	ESE	5	bc+	44	92	6	3500	St.Cu	3	A.Cu	4
Dungeness	21	1001.2	-1	ESE	3	b	43	85	8	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 15th

Stations	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun.
Lerwick	1008.1	+3	S	3	0	43	97	6	-	-	0	A.St	10	2
Stornoway	1006.9	0	SE	4	0	45	85	7	800	St	10	-	10	3
Wick	1001.8	+2	SSE	3	0	43	92	8	1500	St	8	C.St	10	6
Castlebay	995.5	+1	SE	5	o/r	46	92	7	1500	St	10	-	10	.
Nairn	1000.3	-	SW	2	c	42	85	8	1500	St	8	-	8	.
Aberdeen	1004.6	+1	SE'S	5	0	42	97	6	1500	St	10	-	10	1
Malin Head	993.0	0	ESE	5	or	45	92	7	1500	Nb	10	-	10	4
Renfrew	993.3	0	E	2	0	42	85	6	4000	St	10	-	10	.
Edinburgh (Inchkeith)	1004.6	+1	ESE	2	c-	40	85	7	-	St	6	A.Cu	8	1
Leuchars	1001.5	0	ESE	5	0	41	92	6	1500	St	10	-	10	.
Eskdalemuir	1001.6	+1	N'E	2	c	35	92	5	2500	St.Cu	5	C.St	7	.
Tynemouth	1002.6	0	SSE	2	0	41	97	6	2500	St	10	-	10	4
Blacksod Point	998.2	+1	SW	1	0	45	92	5	-	-	-	-	10	5
Donaghadee	996.6	0	SE	5	or	44	92	7	800	St	10	-	10	5
Birr Castle	990.4	-	SE	1	0+	47	97	5	2500	Nb	10	-	10	.
Holyhead	995.5	0	ESE	3	o/r	45	85	8	4000	St.Cu	10	-	10	3
Liverpool (Bidston)	998.5	+1	E'S	3	mo-	40	92	4	1500	Nb	10	-	10	4
Chester (Shotwick)	998.7	0	SE	4	0	40	92	4	1500	St	10	-	10	.
Spurn Head	1002.3	0	ESE	5	b	38	97	6	-	-	0	-	0	.
Birmingham (Edgbaston)	999.9	+2	ESE	3	ffb	36	92	2	-	-	0	C.St	2	.
Nottingham	1003.8	0	E	1	b	35	97	4	-	-	0	C.St	3	.
Cranwell	1002.0	0	E'S	3	ffb	33	97	2	-	-	0	-	0	1
Gorleston	1004.5	0	SE	5	b	38	92	6	-	-	0	-	0	.
Valencia (Cahirciveen)	988.0	0	E	2	0	47	85	7	2500	St.Cu	10	-	10	1
Roches Point	989.7	+1	SE	4	0	47	97	8	2500	St	10	-	10	2
Pembroke (St. Ann's H.)	993.5	0	E'N	5	cbr	43	97	7	1500	St	4	-	4	5
Ross-on-Wye	997.0	0	E	2	0	40	85	5	2500	St	9	-	9	.
Leafield	995.5	+1	E	2	fbc	34	97	3	-	-	0	A.St	5	.
Andover	998.5	-1	NE'E	3	0	37	97	6	1500	St.Cu	10	-	10	.
S. Farnborough	999.1	0	ESE	2	bc+	34	97	6	-	-	0	C.	4	.
London (Kew Obsy.)	1000.1	0	NE'E	1	ffc	37	92	3	2500	St	8	-	8	.
Croydon	1000.4	0	NE	1	fb	35	97	4	-	-	0	C.	1	.
Clacton-on-Sea	1001.6	-1	ESE	3	b	40	85	6	4000	St	3	-	3	2
Shoeburyness	1001.2	-1	ESE	4	b	38	85	7	-	-	0	C.	1	.
Grain	1001.2	0	ESE	3	b	37	92	6	-	-	0	-	0	0
Lympne	1000.5	0	E'S	4	b	37	92	6	-	-	0	A.Cu	1	.
Scilly (St. Mary's)	990.5	0	SSE	2	or	49	97	7	4000	Nb	10	-	10	6
Falmouth (Pendennis)	993.6	+3	S	5	orr	49	92	8	4000	Nb	10	-	10	0
Plymouth (Cattewater)	993.5	+1	ESE	3	odd	48	92	7	800	Nb	10	-	10	1
Portland Bill	996.7	-1	ESE	4	0	47	92	7	-	-	0	A.St	10	5
Southampton (Calshot)	997.3	+1	E'S	5	0-	43	92	6	3500	St.Cu	3	A.St	10	3
Dungeness	1000.3	-2	SE	4	b+	42	85	7	4000	Cu	1	C.St	3	4
Guernsey	995.4	0	SSE	6	odr	47	92	7	1500	St	10	-	10	5

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 15th JANUARY

Stations	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 14-15	Temperature. Max. Day. 15	Rainfall.† Night 17h.-9h. 14-15	Rainfall.† Day 9h.-17h. 15	Sunshine.	Sunshine. Sunrise to Sunset. 15
			°F.	°F.	mm.	mm.		hr.
Montrose	omc	omo	28	43	0·2	-		0·0
Berwick-on-Tweed	mco2	2ocm	35	43	0·1	0·1		0·0
Llandudno	c	c	36	50	-	-		0·0
Colwyn Bay	bc	bc	36	49	-	-		0·1
Rhyl	c	co	37	49	-	-		0·0
Southport	co	oco	37	47	-	-		0·0
Blackpool	o	o	35	47	-	-		0·0
Ilkley	omc	bc	33	47	Trace	-		0·0
Harrogate	m	mob	31	42	-	-		0·0
Skegness	cb	b	38	44	-	-		4·9
Aberystwyth	oc	co	38	50	-	-		0·8
Bath	bccb	bbcc	45	51	-	-		3·5
Leamington Spa	cb	om	42	47	0·1	-		0·5
Lowestoft	b	b	39	44	0·2	-		6·5
Felixstowe	bm	bm	39	44	-	-		6·7
Southend	wbc	bb	38	50	0·1	-		6·0
Ilfracombe	co	o	44	50	-	-		0·0
Bude	c	cipoc	46	51	0·1	0·2		0·0
Torquay			46	51	-	-		0·4
Weymouth	bc	bc	46	49	-	-		2·0
Bournemouth	b	b	45	48	-	-		2·3
Portsmouth (S'thsea)	bc	bcb	45	48	-	-		3·0
Littlehampton	bc	bc	44	46	-	-		4·4
Worthing	bbc	bc	44	48	-	-		5·4
Brighton	bc	bc	44	49	-	-		4·0
Eastbourne	b	b	44	48	0·1	-		6·0
Hastings	bmb	bbcb	43	48	0·1	-		6·1
Folkestone	b	b	41	50	-	-		6·6
Dover	bbc	bb	42	49	Trace	-		6·8
Tunbridge Wells	b	b	41	50	-	-		5·8
Ramsgate	b	b	43	48	-	-		6·3
Margate	b	b	42	46	-	-		6·1
Deal	b	bbc	42	46	-	-		6·1

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. ‡ For code see page 4. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B. 22701 THURSDAY 17th JANUARY 1924.

Observations at 1300 G.M.T. 16th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form.	Cloud Total Amt. 0–10	State of ground.
Lerwick	10097	+3	S'E	3	c	42	85	6	2500	Sr	7	Ci	8	•
Stornoway	9983	+2	SE	3	o	46	~~92~~ 85	7	800	Sr	10	–	10	•
Wick	10045	+2	S	5	o	42	92	7	1500	Sr	10	–	10	•
Castlebay	997.1	+1	E	5	opr$_0$	45	97	6	800	Nb	10	–	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	10060	+1	SSE	4	o	42	92	6	1500	Sr	10	–	10	2
Malin Head	9949	+2	ESE	3	or$_0$r$_0$	44	97	6	1500	Nb	10	–	10	•
Renfrew	1001.1	+1	NE	2	o	42	85	4	5700	StCu	6 +	ACu	10 +	1
Edinburgh (Inchkeith)	10024	+2	E	3	c	40	92	7	•	St	3	CiCu	7	•
Leuchars	10037	+2	ESE	4	o	41	85	6	1500	Sr	10	–	10	1
Eskdalemuir	10023	0	ENE	4	c	39	85	6	–	–	0	ACu	7	1
Tynemouth	10046	+2	SSE	2	o	41	92	6	2500	Sr	9	–	9	•
Blacksod Point	990.0	0	E	1	o|r	46	92	7	•	•	•	•	10	•
Donaghadee	9995	0	SE	5	od$_0$	45	85	7	·	·	0	ASt	10	•
Birr Castle	9923	*	SE	1	or$_0$	48	92	7	4000	Nb	10	–	10	•
Holyhead	996.9	+2	ENE	1	or$_0$	45	92	6	1500	Sr	10	–	10	2
Liverpool (Bidston)	9989	−1	ESE	4	o+	42	85	4	2500	Sr	9	–	9	•
Chester (Shotwick)	9998	0	SE	3	mmo	42	85	4	2500	StCu	10	–	10	1
Spurn Head	10030	+2	ESE	6	b	39	97	7	–	–	0	–	0	•
Birmingham (Edgbaston)	9997	−1	ESE	3	fa–	41	85	3	–	–	0	ACu	9	2
Nottingham	1001.5	−1	ESE	3	bc	41	92	7	–	–	0	Ci	6	•
Cranwell	10024	−1	ESE	3	bc+	41	85	6	–	–	0	ACu	4	1
Gorleston	10050	0	SE'S	5	b	39	92	6	–	–	0	–	0	•
Valencia (Cahiroiveen)	990.0	+1	SSE	3	bc–	51	85	8	1500	StCu	6	–	6	1
Roches Point	991.9	+2	SSE	3	o–	48	97	8	1500	StCu	9	–	9	•
Pembroke (St. Ann's H.)	9954	+1	E'N	5	cpr$_0$	44	92	7	1500	Nb	8	–	8	•
Ross-on-Wye	998.6	0	E	3	o	42	85	6	2500	Sr	3	ASt	10	1
Leafield	9993	0	E	3	mo	39	92	4	4000	Sr	8	ACu	10	1
Andover	9987	0	NE'E	3	o	41	92	5	4000	StCu	3	ASt	10	1
S. Farnborough	9994	0	E	2	c+	41	92	5	–	–	0	ACu	7	2
London (Kew Obsy.)	999.9	−1	ENE	3	ffbc	42	75	3	–	–	0	Ci	6	1
Croydon	10001	−1	E	3	c	41	85	4	–	–	0	Ci	7	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1001.2	−1	ESE	4	b	42	75	6	–	–	0	Ci	1	•
Grain	1001.1	0	E	5	b	41	85	5	–	–	0	Ci	1	2
Lympne	1000.6	−1	SE	3	bc	42	75	6	–	–	0	CiSt	4	2
Scilly (St. Mary's)	9924	+2	SSE	3	c|r	50	97	7	4000	StCu	8	–	8	•
Falmouth (Pendennis)	993.5	0	S	4	orr	48	97	7	4000	Nb	10	–	10	•
Plymouth (Cattewater)	9944	0	SE	3	o|r	48	92	7	800	Sr	10	–	10	2
Portland Bill	995.7	+2	ESE	4	o	47	92	7	–	–	0	ASt	10	•
Southampton (Calshot)	9983	−1	E'S	5	o	44	85	6	4000	StCu	10	–	10	0
Dungeness	1000.3	−1	ESE	3	b	44	85	7	–	–	0	Ci	3	•
Guernsey	9956	−1	SE	5	o	47	97	9	–	–	0	ASt	10	•

Observations at 1800 G.M.T. 16th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0–10	Cloud Upper Form.	Cloud Total Amt. 0–10	Sea. 0–9
Lerwick	1010.4	+1	S'E	4	b	43	85	7	–	–	0	ASt	3	3
Stornoway	9995	+2	SE	5	opr$_0$	45	85	7	450	Sr	10	·	10	4
Wick	1005.1	+1	SSE	6	o	42	97	7	1500	Sr	10	·	10	6
Castlebay	998.1	+1	ESE	4	opr$_0$	46	92	6	1500	Nb	10	·	10	6
Nairn	1003.6	•	SSE	3	bc–	44	75	8	5700	StCu	6	·	6	•
Aberdeen	10033	+3	SE'S	4	b.	41	92	6	1500	Sr	1	·	1	4
Malin Head	9957	+1	ESE	4	or$_0$r$_0$	45	92	6	1500	Nb	10	·	10	3
Renfrew	10024	+2	E	4	o	42	75	4	5700	StCu	4	ACu	10	•
Edinburgh (Inchkeith)	10047	+3	ESE	2	bc–	39	92	7	•	St	6	·	6	1
Leuchars	10059	+2	ESE	4	o	41	92	6	1500	Sr	9	·	9	•
Eskdalemuir	1004.3	+1	E'N	3	bc	36	85	5	–	·	0	ACu	6	•
Tynemouth	10053	+1	SE	3	b–	40	85	7	4000	Cu	3	·	3	4
Blacksod Point	992.3	+3	W'N	1	o–	44	92	7	•	•	•	•	10	4
Donaghadee	9995	0	SE	5	mor	45	85	5	–	·	0	ASt	10	6
Birr Castle	993.0	•	SE	2	od+	47	97	6	4000	Nb	10	·	10	•
Holyhead	9975	0	E'N	5	or$_0$	44	92	5	2500	Nb	10	·	10	3
Liverpool (Bidston)	10009	+2	E'S	3	o	41	85	4	2500	Sr	7	ACu	10	3
Chester (Shotwick)	1000.7	+2	SE	1	o	40	85	4	–	·	0	ACu	9	•
Spurn Head	1004.6	+1	ESE	6	b	37	92	7	–	–	0	·	0	5
Birmingham (Edgbaston)	10008	+1	E	3	ffo	39	92	3	1500	Sr	10	·	10	•
Nottingham	10022	+2	E	4	b	36	97	6	·	·	0	·	0	•
Cranwell	10039	+2	E'S	3	b–	35	97	5	–	–	0	–	0	•
Gorleston	10058	0	ESE	6	b	36	92	6	·	·	0	·	0	4
Valencia (Cahiroiveen)	991.5	+2	SE	3	c+	49	85	8	2500	StCu	5	CiCu	7	4
Roches Point	992.8	+1	SSE	3	o	48	97	7	800	Sr	10	·	10	4
Pembroke (St. Ann's H.)	9959	0	E'N	5	orr	43	97	6	1500	Nb	10	·	10	5
Ross-on-Wye	9995	+2	E'N	2	o	43	85	5	800	Sr	10	·	10	•
Leafield	999.5	0	E	4	mbc	38	97	4	4000	Cu	4	·	4	•
Andover	9999	+1	ENE	3	o	40	92	5	7200	StCu	10	·	10	•
S. Farnborough	10002	+1	E	2	o+	39	92	5	–	·	0	ACu	10	•
London (Kew Obsy.)	1001.1	+2	ENE	3	ffbc	40	85	3	·	·	0	Ci	6	•
Croydon	10013	+2	ENE	2	b	35	92	4	–	·	0	Ci	3	•
Clacton-on-Sea	10024	+1	ENE	4	b	40	85	6	2500	Sr	3	·	3	2
Shoeburyness	10020	0	S'E	3	b–	39	85	6	–	–	0	·	0	•
Grain	10023	+2	E	4	b–	39	92	5	–	–	0	–	0	0
Lympne	1001.0	0	E	4	b	39	92	5	–	·	0	ACu	3	•
Scilly (St. Mary's)	993.5	+2	S'E	2	bc–	48	97	8	4000	CuNb	3	Ci	4	3
Falmouth (Pendennis)	994.6	+1	SE	4	o/r	48	97	8	5700	StCu	10	·	10	0
Plymouth (Cattewater)	9953	+1	SE	3	odd	47	97	7	450	Nb	10	·	10	1
Portland Bill	9969	+2	E	4	o	46	92	7	–	·	0	ASt	10	4
Southampton (Calshot)	999.4	+1	E	5	or$_0$	42	85	5	800	Sr	10	·	10	3
Dungeness	10007	0	ESE	4	b	42	85	7	–	–	0	·	0	4
Guernsey	997.3	−2	SE	4	odd	46	97	5	2500	Nb	7	ASt	10	5

LONDON OBSERVATIONS.

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning (24 Hours ended 0900 G.M.T. 17)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	18	cfxbcf	ccf	bcofdm	•	•	33	tra	tra	0.0	•	•	3
Croydon (24 hours ended 0700)	244	bcm	cbm	bomx	•	•	27	–	–	3.3	•	•	4
Greenwich (Royal Obsy.)	149	bc	c'	cbcod	42	33	29	–	.03	1.7	52	97	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	43	34	33	–	–	0.5	75	59	•
Regent's Pk. (Botanic Gdns).	63	•	•	•	•	•	•	•	•	•	•	•	•
Camden Square	110	cmc	cbc	•	42	31	31	–	.03	•	•	97	•
Kensington Palace	80	cZo	o	•	43	33	31	–	.04	•	(At 18h	83	•
Hampstead Observatory	450	•	•	•	41	31	27	–	.03	2.9	70)	72	•

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 16th

South Kensington Max.	Time.	Min.	Time.
–	–	–	–

Kew Observatory Max.	Time.	Min.	Time.
0.9 1.2	2h.53 9h.16	0.3	9h.16

POLE STAR RECORD at Greenwich Obsy.

Exposure from 16th 17 h. 15 m. to 17th 0 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	1330	525	40
δ Ursae Minoris	1330	423	32

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	45	–	90°
18h.	C	5	–	125°
01h.	C	5	–	65
07h.	C	5	–	125

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

17th & 18th JANUARY, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.57 7.55	12.3 12.3	4.9 4.11
Greenwich	8.0 7.59	12.10 12.10	4.21 4.23
Wick	8.50 8.48	12.22 12.22	3.54 3.57
Valencia	8.42 8.41	12.51 12.51	5.0 5.2

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

<= { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⨃ = lunar halo.
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; − = "decreasing": + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction.

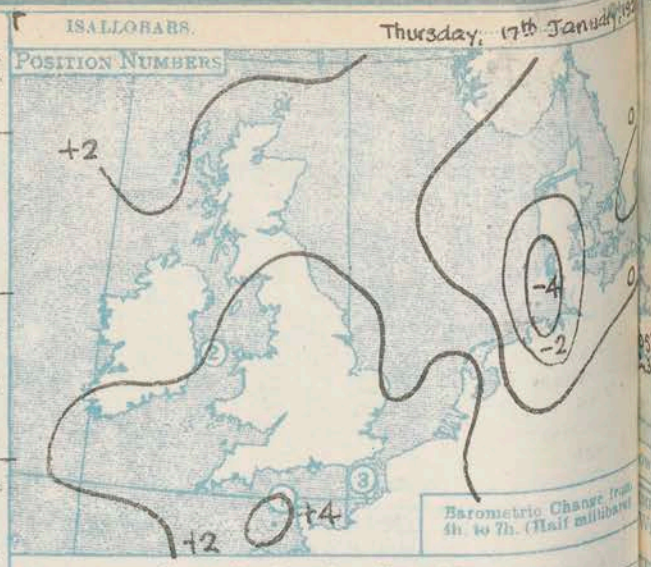
* Information for those columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 2

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 16th	13h.-18h. 16th	18h. 16th to 1h. 17th	1h.-7h. 17th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 17th Hours.
Lerwick	c	bc	bcq	oq	44	38	•	-	-	-	-	0.0
Stornoway	oo	oo	c	b	46	39	•	0.3	0.1	-	-	0.0
Wick	oo	oo	oo	oo	45	39	•	-	-	-	-	•
Castlebay	ro op	opm	opm	opo	46	42	•	1	0.5	-	-	0.0
Nairn	oycq	cq	cbcx	xbc	44	33	•	-	-	-	-	0.1
Aberdeen	omq	ombc	bbcq	bccoq	42	37	35	•	-	-	-	0.0
Malin Head	ororm	omror	omror	omiR	47	38	•	2	6	1008.00	<2100	0.0
Renfrew	oam	omq	omcqbq	bq	43	33	30	-	-	-	-	0.0
Edinburgh (Inchkeith)	c	oo	bbc	c	41	35	•	-	-	-	-	0.3
Leuchars	omo	oorv	omo	oo	42	36	34	-	-	-	-	0.0
Eskdalemuir	ombcm	ombom	bmiv	bcbm	40	30	27	-	-	-	-	1.7
Tynemouth	oq	cq	bq	bbcq	41	35	34	-	-	-	•	•
Blacksod Point ...	r-d	p	oo	c	47	40	•	3	0.3	-	-	•
Donaghadee	oqd	omq	omqd	omrq	46	39	•	0.5	2	1230	<2100	•
Birr Castle	ro ro	oqro	odr	bc	46	44	36	1	2	1008.00	<2100	0.0
Holyhead	iro m	irmv	rom	rirm	46	39	38	2	6	1008.00	<2100	0.0
Liverpool (Bidston) ...	ocm	of	o	os	44	33	31	-	trace	-	-	0.0
Chester (Shotwick) ...	ocom	oiv	om	omorsf	43	33	32.	-	0.2	-	0330	~~0330~~. 0.0
Spurn Head	bbc	bbcb	bbc	bbc	40	32	•	-	-	-	-	3.0
Birmingham (Edgbaston)	fo	ofcmf	oofm	bfshsh	43	30	30	-	1	-	0430	0.0
Nottingham	b	b-bc	bo	oo	41	30	30	-	-	-	-	1.1
Cranwell	bfbm	bcb	bo	omco	41	30	27	-	trace	-	-	5.4
Gorleston	bmq	bmqby	bccq	oqx	39	29	29	-	-	-	-	3.8
Valencia (Cahirciveen)	ocbc	bcc	bbcc	bcc	52	47	42	-	0.2	-	0630	4.3
Roches Point	oo	oro	oroc	c	49	46	•	-	0.4	-	<2100	•
Pembroke (St. Ann's H.)	p	opr	orr	orf	46	42	•	2	7	1030	<2100	0.0
Ross-on-Wye	om	omv	omor	rorr	43	35	35	-	5	-	2400	0.0
Leafield	bcxfo	bc	bcbbcom	bmorrm	42	33	•	-	2	-	0230	0.0
Andover	am	omv	omv	omxam	41	37	35	-	0.4	-	0330	0.0
S. Farnborough ...	bccm	cmomv	omd	bomrs	41	35	34	-	0.6	-	2400	0.6
London (Kew Obsy.) ...	efxbcf	ccf	bcfomf	ofimom	43	35	33	trace	trace	1030	0630	0.0
Croydon	bcm	cbm	bomx	om	41	32	27	-	-	-	-	3.3
Clacton-on-Sea ...	bcz	bcy	bcbz	bzcoq	43	32	32	-	-	-	-	5.5
Shoeburyness	b	bom	bmbcc	oirro	42	32	33	trace	0.1	-	-	5.7
Grain	obm	bbm	bomv	bcfir	42	34	34	trace	0.2	-	0530	5.0
Lympne	bbc	bcom	bmo	orrv	42	34	31	-	0.2	-	2400	6.4
Scilly (St. Mary's) ...	orc	cbc	bcbrv	brv	51	46	•	2	0.4	1008.00	-	0.0
Falmouth (Pendennis)	omr	omrco	corco	cor	49	47	•	5	3	1030	<2100	0.0
Plymouth (Cattewater)	ord	odd	orr	ob	49	47	42	3	9	1030	<2100	0.0
Portland Bill	oo	oo	o	r-d	48	44	•	-	5	-	<2100	•
Southampton (Calshot)	omm	omm	omdcd	odcm	44	39	38	trace	1	1730	<2100	0.0
Dungeness	bbc	b-bc	c	p	46	37	•	-	1	-	0230	•
Guernsey	odo	oyo	odoo	orcoo	48	43	•	1	2	0900	<2100	•



Observations from Cross Channel Steamers.

Position	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility
2	16 1000	Anglia	E	5	oq	47	47	6
3	17 0200	Arundel	E	5	bf	44	48	6

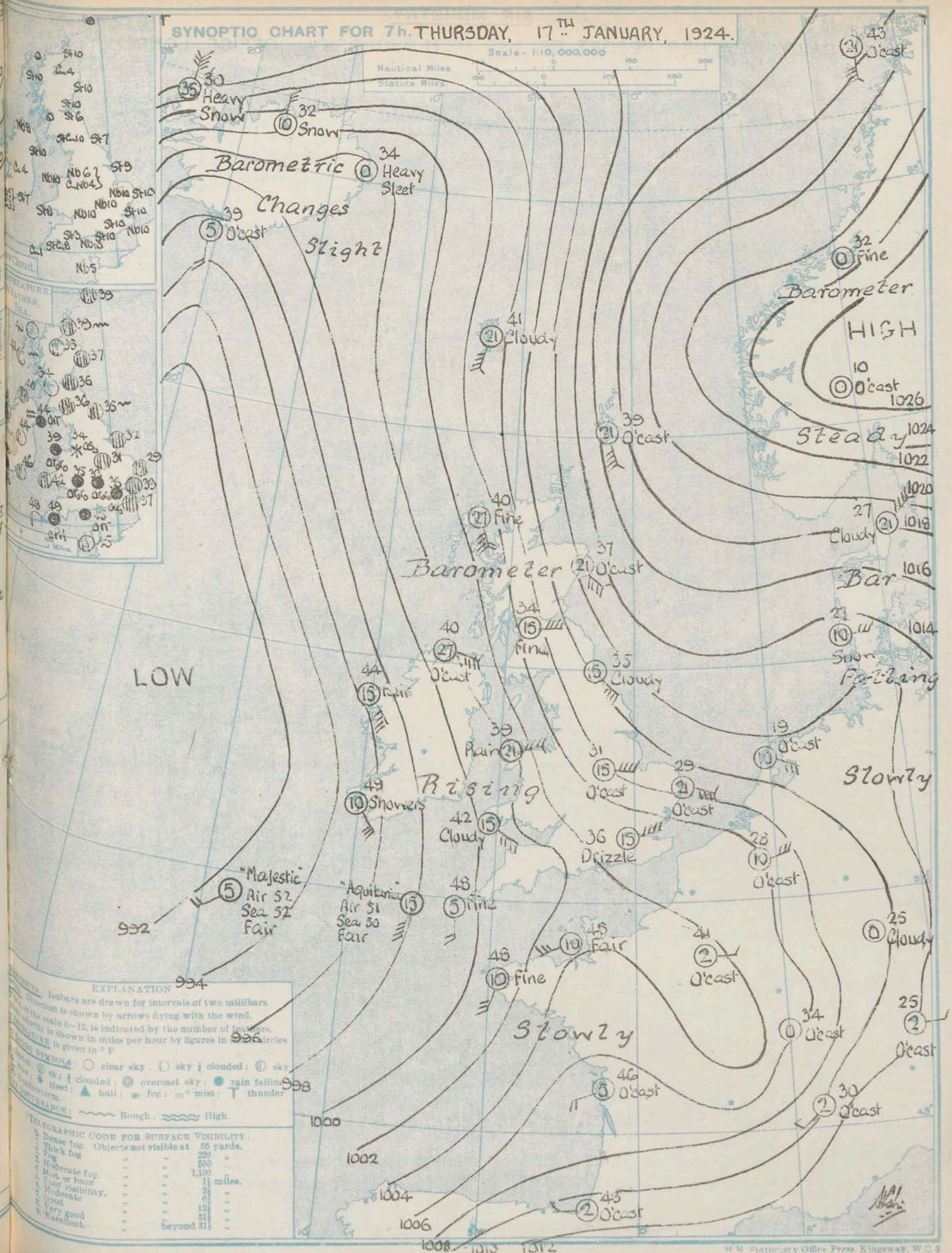
GENERAL INFERENCE.

The depression off our western coasts is decreasing in intensity and pressure is rising over the British Isles generally. Winds are likely to continue from E. to S.E. for a time and there will be much cloud generally with local snow, sleet or rain.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 17th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind mainly easterly, moderate or fresh; some drizzle with sleet at times; visibility poor to moderate; rather cold.	None issued.
5. S.W. England 6. South Wales	Wind S. E., moderate or fresh; cloudy, some rain; mist locally; colder.	
7. North Wales 8. N.W. England	Wind S. E. to E., strong at times; dull, some snow or sleet; visibility poor to moderate; rather cold.	
9. N. Midlands 10. N.E. England 11. E. Scotland	Wind S. E. to E., strong at times; mainly dull, probably local sleet or snow; visibility moderate; rather cold.	
12. S.W. Scotland 13. Isle of Man 14. N.E. & N.W. Scotland	Wind mainly S. E., strong at times; cloudy, some rain, sleet or snow; visibility moderate; rather cold.	
15. Hebrides 16. Orkneys and Shetlands	Wind S. E., fresh or strong; cloudy, probably some sleet or snow; visibility good to moderate; rather cold.	
17. N.W. Ireland 18. N.E. Ireland	As for 12 - 13.	
19. S.E. Ireland 20. S.W. Ireland	Wind S. E., light or moderate; cloudy, some rain; visibility moderate; colder.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0915 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. THURSDAY, 17TH JANUARY 1924. No. 17

Observations at 0100 G.M.T. 17th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1013.1	+3	SSE	5	c+	40	85	6	2500	StCu	7	-	7
Stornoway	51	1002.5	+2	SE	4	c	•	•	5	•	•	•	•	•
Wick	81	1005.9	+4	SSE	6	0	40	92	7	1500	St	10	-	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	998.8	+2	ESE	4	o/c	42	92	7	4000	Nb	7	AStr	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1006.8	+2	ESE	2	b	37	85	7	•	St	2	ACu	3
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1007.6	+2	SE	4	b	39	75	7	4000	Cu	3	-	3
Blacksod Point	10	994.9	0	E	4	0	46	92	5	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	999.3	+2	E/N	6	o/c	42	92	5	800	Nb	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1006.7	+2	ESE	6	bc+	35	92	7	-	-	0	ACu	5
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1006.3	+3	E	3	0	32	97	6	1500	St	10	-	10
Gorleston	13	1007.3	0	ESE	6	o+	33	85	6	2500	St	9	-	9
Valencia (Cahirciveen)	30	993.2	0	ESE	1	o+	48	92	7	•	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	998.0	+1	SE'S	5	o/r	43	97	6	1500	Nb	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	239	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	38	•	•	•	•	•	•	•
Croydon	244	1003.0	+1	ENE	2	0	35	97	5	2500	StCu	10	-	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1002.5	+2	E	4	o/c	36	92	6	1500	Nb	10	-	10
Scilly (St. Mary's)	131	996.9	+2	SE	3	b	47	97	8	-	-	0	-	0
Falmouth (Pendennis)	200	999.1	+3	WSW	2	o/r	48	97	7	5700	StCu	9	-	9
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	999.8	0	E	4	o/c	46	92	6	2500	Nb	10	-	10
Southampton (Calshot)	12	1002.5	+2	E/N	3	o/c	41	92	6	1500	St	10	-	10
Dungeness	21	1002.1	+1	ESE	4	o/r	40	85	7	4000	StCu	9	-	9
Guernsey														

Observations at 0700 G.M.T. 17

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun.
Lerwick	1016.3	+2	SSE	5	o	39	85	6	-	-	0	AStr	10	1
Stornoway	1004.0	+1	SSE	6	o	40	75	7	-	-	0	-	10	0
Wick	1011.1	+1	SSE	6	o	39	85	8	800	St	10	-	10	0
Castlebay	1002.5	+2	ESE	5	o	42	85	6	2500	St	10	-	10	0
Nairn	1005.9	•	SSE	3	bc-	35	85	8	4000	Cu	4	-	10	4
Aberdeen	1012.8	+1	SE	5	o	37	85	6	2500	St	10	-	10	4
Malin Head	1003.3	+1	ESE	6	o/r	40	92	7	4000	Nb	8	AStr	10	0
Renfrew	1007.1	+3	E	4	b	34	75	5	-	-	0	-	0	0
Edinburgh (Inchkeith)	1009.1	+1	E	5	o-	36	75	6	•	St	6	AStr	10	•
Leuchars	1010.3	+2	ESE	6	o	37	75	7	1500	St	10	-	10	•
Eskdalemuir	1009.4	+2	ENE	4	o	31	75	6	1500	StCu	10	-	10	6
Tynemouth	1010.3	+2	SE	4	c+	35	92	7	800	St	7	-	7	•
Blacksod Point	996.4	+1	SE'S	4	bc	44	85	7	•	•	•	•	10	4
Donaghadee	1003.6	+1	SE	6	o/r	44	92	6	800	St	10	-	10	7
Birr Castle	998.0	•	SE	1	bc-	44	97	4	2500	Cu	4	-	10	7
Holyhead	1001.8	+2	E'N	5	o/c	39	97	6	800	Nb	10	-	10	4
Liverpool (Bidston)	1003.9	+2	E'S	4	o/c	34	85	4	2500	Nb	10	-	10	•
Chester (Shotwick)	1003.7	+4	ESE	3	o/c+	33	92	3	1500	Nb	10	-	10	•
Spurn Head	1009.6	+3	E'S	6	o+	32	92	8	1500	St	9	-	9	5
Birmingham (Edgbaston)	1006.2	+2	E	4	o/c	31	92	3	1500	Nb	10	-	10	•
Nottingham	1007.0	+2	E	4	o	31	92	7	1500	Nb	10	-	10	•
Cranwell	1008.4	+3	E'S	3	o	30	85	6	1500	StCu	10	-	10	4
Gorleston	1009.4	+1	E'S	5	o	29	85	6	2500	St	10	-	10	•
Valencia (Cahirciveen)	995.7	+2	SE	3	cp/c	49	85	6	1500	Nb	8	-	8	3
Roches Point	997.6	+2	SE	2	c	46	97	8	2500	St	7	-	7	1
Pembroke (St. Ann's H.)	1000.9	+2	SE'E	4	ff o	42	97	3	800	St	8	-	8	5
Ross-on-Wye	1004.7	+3	E	3	o/c	35	97	4	800	Nb	10	-	10	•
Leafield	1004.9	+2	E	2	o/c	33	97	4	1500	Nb	10	-	10	•
Andover	1003.7	+2	NE'E	4	od	37	97	5	1500	St	10	-	10	•
S. Farnborough	1004.4	+2	E	2	o/c	36	97	5	1500	Nb	10	-	10	•
London (Kew Obsy.)	1005.3	+3	ENE	4	od	36	85	5	1500	St	10	-	10	•
Croydon	1003.5	+4	ENE	4	o	35	92	6	480	St	10	-	10	3
Clacton-on-Sea	1005.9	+3	ENE	4	o+	33	92	6	2500	St	10	-	10	•
Shoeburyness	1005.9	+1	ENE	5	o/r	33	85	7	1500	St	10	-	10	0
Grain	1006.1	+2	ENE	5	o+	35	97	5	1500	St	10	-	10	•
Lympne	1004.7	+4	NE	4	o/r	34	92	4	800	St	10	-	10	•
Scilly (St. Mary's)	998.7	+2	S	2	b+	48	97	8	4000	Cu	1	-	1	3
Falmouth (Pendennis)	1001.0	+2	SSW	3	cpr-	49	97	7	5700	StCu	8	-	8	0
Plymouth (Cattewater)	1001.3	+3	S	3	b-	48	97	7	450	St	3	-	3	0
Portland Bill	1001.3	+2	E	3	o/r	45	97	6	2500	Nb	10	-	10	2
Southampton (Calshot)	1004.0	+3	E'N	4	o/r	40	92	6	1500	St	10	-	10	4
Dungeness	1004.3	+1	E	4	o	37	97	6	2500	Nb	10	-	10	1
Guernsey	1003.0	+4	WSW	3	bc/r	45	97	7	800	Nb	5	-	5	

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 16th January 1924.

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 15h.-16h. °F.	Temperature. Max. Day. 16h. °F.	Rainfall.† Night 17h.-9h. 15h.-16h. mm.	Rainfall.† Day 9h.-17h. 16h. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 16h. hr.
Montrose	om	om	40	42	-	-		-
Berwick-on-Tweed	fav o	zeave	40	41	0.1	-		-
Llandudno	o	o	41	45	-	-		-
Colwyn Bay	c	c	40	46	-	-		-
Rhyl	o	o	40	49	-	-		-
Southport	oc	oc	40	45	-	-		0.2
Blackpool	oc	c	39	42	-	-		0.8
Ilkley	m	o	34	39	-	-		-
Harrogate	o	o	34	40	-	-		-
Skegness	b	b	36	42	-	-		5.7
Aberystwyth	o	o	45	48	-	-		-
Bath	o	or	42	44	-	0.3		-
Leamington Spa	eb	eb	34	44	-	-		2.3
Lowestoft	b	b	36	40	-	-		6.3
Felixstowe	bm	b	38	44	-	-		6.3
Southend	mwb	b	36	42	0.1	-		4.7
Ilfracombe	o	oc	45	49	-	trace		-
Bude	o	c	47	50	-	0.3		
Torquay			49	49	2	2		-
Weymouth	cb	bbc	+5	46	0.2	-		-
Bournemouth	o	o	43	50	-	-		-
Portsmouth (S'thsea)	oem	om	41	45	-	-		0.1
Littlehampton	bc	bc	41	43	0.1	-		-
Worthing	o	o	41	43	-	-		0.3
Brighton	o	o	40	46	-	-		1.5
Eastbourne	bcbc	c	40	43	-	-		
Hastings	bmbc	bbcm	40	44	trace	-		4.9
Folkestone	b	b	40	48	-	-		3.6
Dover	wmbm	mbm	38	43	-	-		3.7
Tunbridge Wells	bbc	bcb	36	45	-	-		4.6
Ramsgate	mb	bm	39	43	-	-		5.0
Margate	b	b	38	43	-	-		5.0
Deal	mb	b	37	42	-	-		5.7

TERMS OF SUBSCRIPTION.—6/6 per quarter or 23/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these points not usually received. † Trace—rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‖ See footnote page 4

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22702 FRIDAY 18TH JANUARY 1924.

Observations at 1300 G.M.T. 17th — Observations at 1800 G.M.T. 17th

Stations (For heights see p.4).	1300 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	1800 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1018·2	0	S	3	o	40	85	7	5700	StCu	10	–	10	•	1015·8	-2	SSE	2	o	40	75	7	5700	StCu	5	A.St	10	1
Stornoway	1006·2	+2	SSE	5	b	40	75	8	–	–	0	–	0	•	1006·1	0	SSE	4	b	37	85	8	–	–	0	–	0	3
Wick	1011·8	+0	SSE	5	o	39	85	8	1500	St	10	–	10	•	1011·2	0	SSE	4	o	38	85	8	1500	St	10	–	10	6
Castlebay	1004·8	+1	E	6	o	40	85	7	1500	St	10	–	10	•	1005·2	0	E	6	opr₀	37	85	7	1500	St	10	–	10	7
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1010·2	•	SE	3	c+	36	75	7	1500	StCu	7	–	7	•
Aberdeen	1013·1	-1	SE	5	o	37	85	6	2500	StCu	10	–	10	1	1012·7	0	SE'S	4	o	36	85	6	2500	St	10	–	10	4
Malin Head	1002·5	+0	ESE	6	o/r	38	92	7	4000	Nb	7	ASt	9	•	1001·9	-1	ESE	7	o	36	92	7	1500	St	10	–	10	6
Renfrew	1009·2	-0	ESE	4	o	36	75	6	1500	StCu	10	–	10	3	1009·9	+1	ESE	4	o	35	75	5	2500	St	10	–	10	•
Edinburgh (Inchkeith)	1010·1	+1	E	4	o	35	85	7	•	St	3	ASt	10	•	1010·1	0	ESE	4	o	34	75	8	•	–	0	A.St	10	3
Leuchars	1011·0	0	ESE	5	o	36	75	7	1500	StCu	10	–	10	1	1011·1	0	SE	4	o/s(h)	34	75	7	1500	StCu	10	–	10	•
Eskdalemuir	1009·8	+0	E	3	o	32	75	6	1500	StCu	10	–	10	3	1010·5	0	ESE	4	o	29	75	6	1500	StCu	10	–	10	•
Tynemouth	1010·7	0	SE	3	ors₀	35	85	7	1500	Nb	10	–	10	•	1011·4	+1	SSE	2	o/s(h)	34	85	7	1500	Nb	10	–	10	6
Blacksod Point	998·9	+1	E'S	4	b	46	85	8	•	•	•	•	3	•	996·9	0	E	4	o	46	92	7	•	•	•	•	9	4
Donaghadee	1006·4	+1	SE	5	orsrs	36	92	6	800	St	10	–	10	•	1006·5	0	SE	5	o	37	92	7	800	St	10	–	10	7
Birr Castle	999·8	•	SE	1	c+	49	92	7	4000	Cu	7	–	7	•	999·5	•	SE	2	or₀	48	97	6	450	Nb	9	–	9	•
Holyhead	1004·3	+2	E'N	4	o	40	92	6	1500	St	10	–	10	2	1005·3	+1	E'S	3	o	40	97	5	1500	St	10	–	10	3
Liverpool (Bidston)	1007·8	+1	ESE	4	oss	30	97	4	1500	CuNb	10	–	10	•	1008·8	+1	ESE	4	o/s(h)	30	85	4	2500	Nb	10	–	10	4
Chester (Shotwick)	1008·1	+1	SE	3	os₀s₀	31	97	3	4000	Nb	10	–	10	8	1009·2	+1	SSE	3	o	30	85	6	1500	St	10	–	10	•
Spurn Head	1010·7	0	E'S	5	o	31	85	7	2500	Nb	10	–	10	•	1011·7	+2	ESE	5	o	32	97	7	4000	StCu	10	–	10	4
Birmingham (Edgbaston)	1008·6	+1	E	4	os₀s₀	29	92	3	1500	Nb	10	–	10	3	1009·9	+2	ESE	3	ffo	28	92	3	1500	St	10	–	10	•
Nottingham	1009·6	+3	ESE	3	os₀s₀	29	92	7	1500	Nb	10	–	10	•	1011·2	+2	ESE	2	o/s(h)	29	97	7	1500	St	10	–	10	•
Cranwell	1010·2	+1	E'S	3	os₀	30	85	6	800	St	10	–	10	3	1012·0	+2	SE'E	3	ors₀s₀	28	97	5	800	Nb	10	–	10	•
Gorleston	1010·3	+1	E'N	4	o	29	85	6	1500	CuNb	5	ASt	10	•	1012·1	+1	ESE	4	os₀s₀	30	85	6	2500	St	10	–	10	1
Valencia (Cahirciveen)	997·0	+1	S'E	4	opr₀	50	92	7	800	St	10	–	10	1	996·9	0	SE'E	4	cpr₀	47	85	8	1500	St	8	–	8	4
Roches Point	1000·1	+1	SSE	3	c	48	97	8	1500	StCu	8	–	8	•	999·9	0	SE	3	o	48	97	7	2500	St	7	CiSt	10	1
Pembroke (St. Ann's H.)	1003·6	+2	SE'E	4	ffo	41	97	3	800	St	10	–	10	•	1004·6	+1	SE	4	or₀	41	97	3	800	Nb	10	–	10	5
Ross-on-Wye	1007·3	+2	ENE	2	od₀	33	92	4	450	St	10	–	10	2	1008·4	+1	E'N	2	od₀+	32	92	4	450	St	10	–	10	•
Leafield	1007·6	+2	E	3	fo	31	97	3	450	St	10	–	10	2	1009·3	+3	E	3	fo+	30	97	2	450	St	10	–	10	•
Andover	1006·5	+2	NE'E	3	od₀d₀	35	97	4	800	Nb	10	–	10	2	1008·9	+2	NE'E	3	of	34	97	3	450	St	10	–	10	3
S. Farnborough	1007·1	+1	E'N	2	or₀r₀	33	97	3	800	Nb	10	–	10	2	1009·5	+2	–	0	ffo	34	97	3	450	St	10	–	10	•
London (Kew Obsy.)	1007·7	+1	ENE	3	od₀	34	92	3	2500	Nb	10	•	10	1	1010·1	+2	E'N	3	od₀d₀	35	92	3	1500	Nb	10	–	10	•
Croydon	1007·9	+2	ENE	3	or₀r₀	33	97	4	450	St	10	–	10	2	1010·1	+2	E'N	2	ffo	34	97	3	220	St	10	–	10	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	1010·4	+3	NE	3	mmo	34	97	4	1500	St	10	–	10	1
Shoeburyness	1008·2	+1	ENE	3	o/r	34	85	6	1500	St	10	–	10	•	1010·9	+2	–	0	od₀d₀	35	85	6	1500	St	10	–	10	•
Grain	1008·2	+2	E'N	4	o	35	92	5	450	St	10	–	10	2	1010·9	+4	SE'E	2	od₀d₀	35	97	5	800	St	10	–	10	0
Lympne	1006·9	+2	NE	3	o/r	34	97	4	220	Nb	10	–	10	2	1011·4	+5	ENE	32	o/r	34	97	3	4150	StNb	10	–	10	•
Scilly (St. Mary's)	1002·4	+2	S'W	3	bc+	51	97	8	4000	StCu	3	Ci	5	•	1003·5	+2	SSE	4	o	49	97	6	4000	StCu	5	ASt	10	4
Falmouth (Pendennis)	1003·3	+3	SW	3	bc+	50	92	8	5700	Cu	6	–	6	•	1004·7	+1	SW	3	bc	49	97	7	5700	StCu	6	–	6	0
Plymouth (Cattewater)	1003·6	+1	S	3	o	50	92	7	450	St	9	–	9	2	1004·5	+2	S'W	3	o/r	49	97	7	4000	StCu	8	ASt	9	0
Portland Bill	1004·7	+4	E	4	o	44	92	6	800	St	10	–	10	•	1007·1	+2	SSE	3	cr	47	97	7	2500	Nb	8	–	8	4
Southampton (Calshot)	1006·3	+1	E'N	3	o	39	97	4	800	St	10	–	10	2	1008·9	+2	E'S	3	o/f	40	92	5	800	St	10	–	10	0
Dungeness	1006·5	0	E	3	opr₀	38	92	5	800	St	10	–	10	•	1010·1	+3	E	2	mmo	38	92	4	800	St	10	–	10	3
Guernsey	1005·7	0	S	2	o–	46	97	7	1500	St	10	–	10	•	1008·4	+2	SSW	2	c+	47	97	8	4000	StCu	4	ACu	7	3

London Observations.	Height above M.S.L. in feet.	Weather Morning (24 hours ended 0900 G.M.T. 18th)	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew / Croydon } 24 hours ended 0700	18	of d₀ o	of d₀ g	of d₀ rr₀	•	•	34	0·6	3	0·0	•	•	5
	244	omd r r₀	omfd d₀	d d rrd₀	•	•	33	0·6	2	0·0	•	•	6
Greenwich (Royal Obsy.)	149	o	od	odmr₀	47	32	32	0·5	3	0·0	94	99	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	49	34	33	3		0·0	89	93	•
Regent's Pk. (Botanic Gdns).	68	•	•	•	•	•	•	•	•	0·0	•	•	•
Camden Square	110	odo	oor	•	47	30	32	1	3	•	•	99	•
Kensington Palace	80	odr	odr.o	•	48	[illegible]	33	0·6	3	•	(At 18h)	93	•
Hampstead Observatory	450	•	•	•	46	30	29	0·3	5	0·0	8.9	100	•

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 Hr. ended 1800 G.M.T. 17th

South Kensington Max.	Time.	Min.	Time.
–	–	–	–
–	–		

Kew Observatory Max.	Time.	Min.	Time.
0·96	16th 19-20h	·03	17th 1h
0·88	17th 10h		

Pole Star Record at Greenwich Obsy. Exposure from 17th 17 h. 15 m. to 18th 06 h. 45 m.

Stars.	Exposure h. m.	Record h. m.	%
Polaris	13 30	0 0	-
δ Ursae Minoris	13 30	0.0	-

Code for State of Ground.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

Radio Disturbances (Atmospherics) at Croydon.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	4	-	-
18h.	C	54	-	150 (155)
01h.	C	5	-	155
07h.	C	4	-	150

Table showing the Greenwich Times of Sunrise, Noon, and Sunset for Stations in the United Kingdom. 18th & 19th JANY 1924

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.55 / 7.54	12.3 / 12.4	4.11 / 4.13
Greenwich	7.59 / 7.57	12.10 / 12.11	4.23 / 4.25
Wick	8.48 / 8.46	12.22 / 12.23	3.57 / 4.0
Valencia	8.41 / 8.40	12.51 / 12.52	5.2 / 5.4

Beaufort Notation of Weather.
b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r₀ = slight rain.
rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ф = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, (Bbs:—bb/r = fair weather after rain; – = "decreasing"; + = "increasing."

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

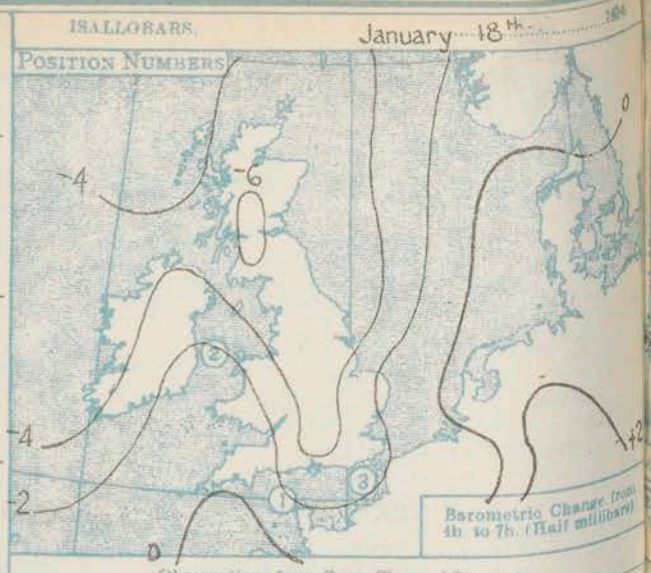
Sea Disturbance.
0=no swell }
1=mod. swell } Calm or slight sea.
2=heavy swell }
3=no swell }
4=mod. swell } Moderate sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 17	Weather. 13h.-18h. 17	Weather. 18h. 17 to 1h. 18	Weather. 1h.-7h. 18	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun 17 Hours.
Lerwick	oq	o	oo	o	40	35	.	-	-	-	-	0.0
Stornoway	b	b-bc	bbc	co	41	34	.	-	-	-	-	4.5
Wick	oo	oo	oo	op.ro	40	36	.	-	trace	-	0130	.
Castlebay	oo	op	op	op	42	37	.	trace	2	-	-	0.0
Nairn	bcobc	bccq	cbcxc	cq	37	33	.	-	-	-	-	1.2
Aberdeen	oq	oq.p.h	q.p.hr	q.p.hr	37	35	33	trace	0.2	1530	<2100	0.0
Malin Head	omrr	om	coir	irsR	45	35	.	3	10	<0800	2400	0.0
Renfrew	bzo	ozq	ossmo	omss	36	29	28	-	5	-	<2100	0.0
Edinburgh (Inchkeith)	oo	oo	ops	ps.ss	36	30	.	-	3	-	2400	0.0
Leuchars	oo	op.rh	oo	oss.	37	32	30	0.1	0.5	1330	0630	0.0
Eskdalemuir	oo	oo	oosm	osmsm	32	26	25	-	5	-	<2100	0.0
Tynemouth	ois.	ois.	oo	s.s.	41	32	31	trace	0.5	1100	-	.
Blacksod Point ...	b-bc	c	c	c	40	39	.	0.1	1	-	-	.
Donaghadee	oqs	orqs	orqs	orqs	44	36	.	5	7	1100	<2100	.
Birr Castle	c	cor.	coiR	co	49	44	37	0.3	4	1630	<2100	1.9
Holyhead	r.m	omr.	r.dmr	r.od	41	40	39	1	4	<0800	<2100	0.0
Liverpool (Bidston) ...	s	sm	of		33	30	30	3	-	<0800	-	0.0
Chester (Shotwick) ...	os.sf	os.fom	om	oprsoqu	34	30	29	3	0.6	<0800	0230	0.0
Spurn Head	oo	oo	c	osrmo	32	31	.	-	0.2	-	0330	0.0
Birmingham (Edgbaston)	offs..	ffos.	of.of	oddff	31	27	27	2	1	0900	-	0.0
Nottingham	s.s.	s.s.	o	r.r.	31	29	28	0.6	2	1100	2400	0.0
Cranwell	oos.	os.os	sors	rsmdf	30	27	27	0.4	2	1230	<2100	0.0
Gorleston	ogx	oxs.s	oxo	off	30	30	29	0.6	-	1430	-	0.0
Valencia (Cahirciveen)	cop	copc	cpdmo	o	51	45	43	2	2	0900	<2100	0.3
Roches Point	c	co	Rrr	rd d.	49	47	.	-	14	-	<2100	.
Pembroke (St. Ann's H.)	offp	ofr	f-m	off	45	41	.	2	2	<0800	<2100	0.0
Ross-on-Wye	r.om	omd.	idrm	r.om	35	32	32	3	3	<0800	<2100	0.0
Leafield	dodoo	dof	ffd.d.	ffdiR	33	30	?	2	3	<0800	2400	0.0
Andover	od.d.m	omof	ofd.rr	orrd.	37	34	34	0.6	5	<0800	<2100	0.0
S. Farnborough ...	ofrrf	o.fd.f	bfdf	ord.m	36	34	34	1	4	<0800	<2100	0.0
London (Kew Obsy.) ...	ofdoq	ofd.g	ofd.gof	oforro	36	35	34	0.6	3	<0800	<2100	0.0
Croydon	omd.r.g	omfdr.	omd.b.r.	omrrd.b.	35	34	33	0.6	2	<0800	<2100	0.0
Clacton-on-Sea ...	ogm	ogme	ogme	ogmer	34	34	33	-	1	-	0530	0.0
Shoeburyness ...	r-d	r-d	od.d	dir.	35	34	33	0.4	2	1100	<2100	0.0
Grain	omr.o	od.d.	d.o	oRo	35	34	34	0.2	1	0900	<2100	0.0
Lympne	omr	omd.d.	of.dd	ofdr	35	34	33	1	5	0900	<2100	0.0
Scilly (St. Mary's) ...	bbc	bcco	orm	omifr	52	48	.	-	4	-	<2100	?
Falmouth (Pendennis)	bcpr	bc	bcpr	cor	52	48	.	0.3	3	0900	<2100	2.2
Plymouth (Cattewater)	bor	obcop		or	51	48	46	1	3	<0800	2400	1.6
Portland Bill	c	p	r-d	p	47	44	.	2	5	1230	<2100	.
Southampton (Calshot)	omdpm	om	omodofo	odrrodd	40	39	39	0.1	6	<0800	<2100	0.0
Dungeness	opfm	omdm	mmopr	r-d	40	39	.	0.4	3	<0800	<2100	.
Guernsey	Fow	obcbbc	c	corro	49	44	.	trace	1	-	-	.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea.	Visibility
2	17 1005	Anglia	SSE	6	om	43	47	7
3	18 0200	Dieppe	SSW	2	o	47	48	7

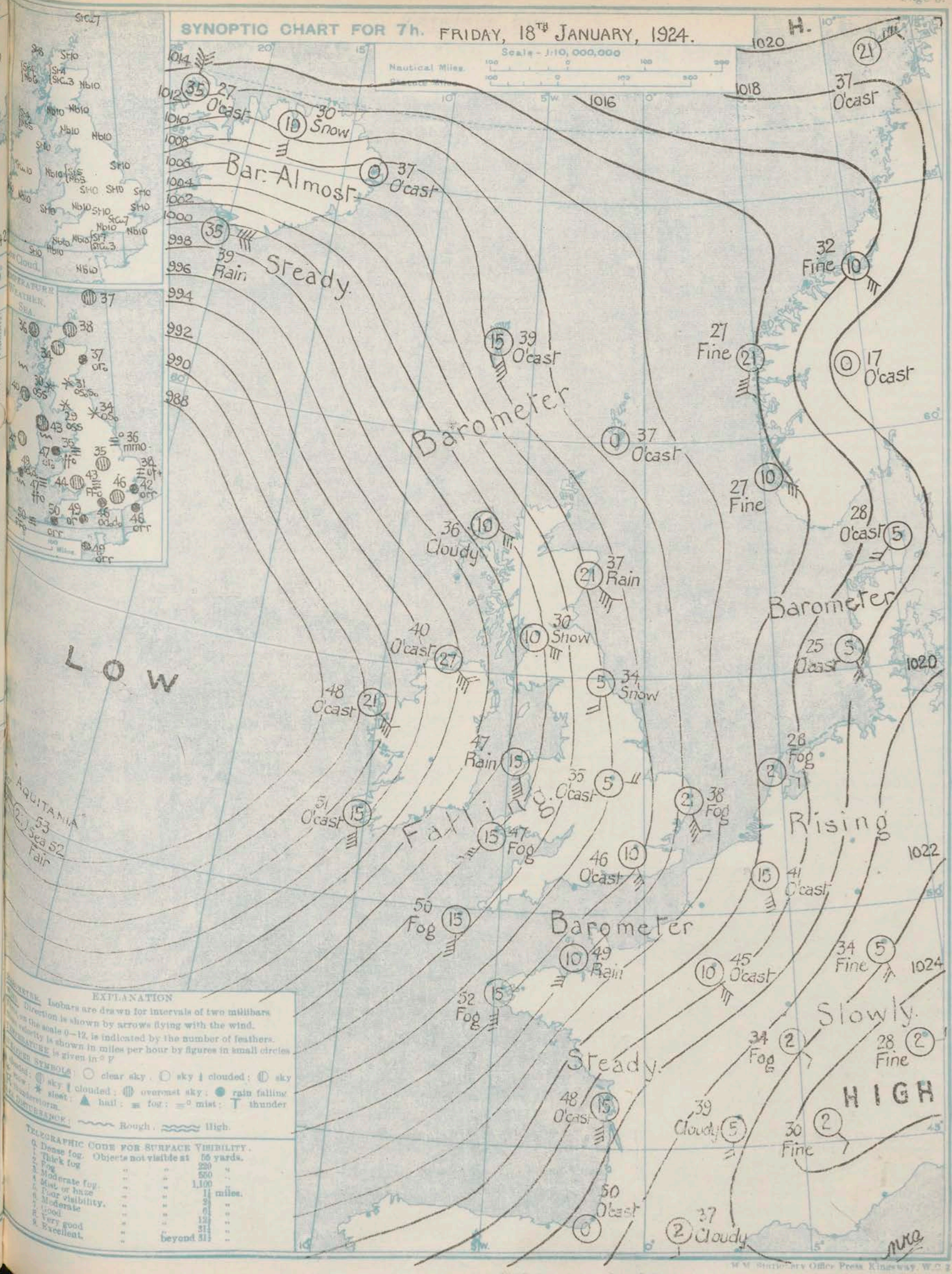
General Inference.

A warm southerly current spreading northward will cause a general rise of temperature, probably only temporary. Weather will be dull generally with some further rain, and snow at first in Scotland.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 18th January, 1924.	Further Outlook.
1. S.E. England 2. E. England	Wind southerly, strong at times; dull, some rain; visibility poor; rather mild.	Unsettled generally. -----
3. E. Midlands 4. W. Midlands	Wind southerly, moderate or fresh; dull, some rain; visibility poor; rather mild.	
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England	Wind southerly, fresh or strong; dull, some rain; fog locally; mild.	
9. N. Midlands 10. N.E. England	Wind S.E. to S. moderate; dull, some rain; visibility poor; milder.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S. E. to S., strong at times; dull, some snow at first, rain later; visibility poor; milder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As for 5 - 8.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0855 GMT. G. C. Simpson, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION...Friday, 18th JANUARY.....1924. No. 18.....

Observations at 0100 G.M.T. 18.....

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1013.9	-3	SSE	1	0	38	85	7	3700	StCu	4	A.St	10
Stornoway	51	1005.3	-2	SE	3	b.	*	*	6	*	*	*	*	*
Wick	81	1009.3	-2	SSE	4	0	38	85	8	1500	St	10	-	10
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	999.8	-3	ESE	8	or	37	92	7	4000	Nb	7	A St	10
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1008.9	-3	ESE	3	0	31	97	8	*	St	2	A St	10
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1011.3	-1	S	2	0	32	97	6	1500	Nb	10	-	10
Blacksod Point ...	10	995.8	-1	E	3	0	45	92	7	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1002.9	-3	SE'E	4	or	43	97	6	800	Nb	10	-	10
Liverpool (Bidston) ...	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick) ...	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1011.7	?	SSE	5	0	33	97	7	-	-	0	A St	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1011.8	0	SE'E	3	ors+	29	97	5	800	Nb	10	-	10
Gorleston	13	1013.2	0	SE	3	0	34	85	6	-	-	0	A St	10
Valencia (Cahirciveen)	30	997.3	-1	SE	1	o/r	50	92	7	*	St	10	-	10
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1002.9	-1	SE	4	fo+	46	97	2	800	St	10	-	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough ...	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.) ...	18	*	*	*	*	*	38	*	*	*	*	*	*	*
Croydon	244	1011.1	0	SSE	3	o/r	40	97	5	800	St	10	-	10
Clacton-on-Sea ...	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1012.0	+1	E	3	odd	40	97	1	<150	St	10	-	10
Scilly (St. Mary's) ...	131	1003.9	+1	SSW	4	0	50	97	6	4000	StCu	5	A St	10
Falmouth (Pendennis)	206	1004.4	0	WSW	4	o/r	50	97	7	4000	StCu	10	-	10
Plymouth (Cattewater)	82	-	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1007.1	0	SSE	3	or	47	97	7	2500	Nb	10	-	10
Southampton (Calshot)	12	1009.5	-2	SSE	3	o/r	46	97	7	1500	StCu	10	-	10
Dungeness	21	1011.9	+1	SE	3	opb	45	97	6	4000	Nb	10	-	10
Guernsey														

Observations at 0700 G.M.T. 18.....

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	0 Sun
Lerwick	1010.4	-5	-	0	0	37	85	7	3700	StCu	7	A.St	10	0
Stornoway	1000.3	-3	ESE	3	C+	36	85	7	800	St	8	-	8	2.4
Wick	1005.6	-5	S	4	0	38	85	8	1500	St	10	-	10	7
Castlebay	997.7	-3	ENE	5	opc	38	97	7	800	Nb	10	-	10	*
Nairn	1003.1	*	SE	1	C	34	85	8	1500	St	7	-	7	4
Aberdeen	1007.0	-4	SE'S	5	or	37	85	6	1500	Nb	10	-	10	
Malin Head	994.7	-4	SE	6	o/r	40	97	7	2500	Nb	9	-	9	1
Renfrew	1002.5	-6	ESE	3	oss	30	97	4	1500	Nb	10	-	10	0
Edinburgh (Inchkeith)	1003.9	-5	E	1	oss	31	97	3	*	Nb	10	-	10	*
Leuchars	1004.7	-4	ESE	4	oss	33	97	6	1500	Nb	10	-	10	*
Eskdalemuir	1003.2	-5	NNE	2	oss	29	92	6	1500	Nb	10	-	10	4
Tynemouth	1006.0	-5	S	2	os+	34	97	4	800	Nb	10	-	10	
Blacksod Point ...	991.9	-4	SE'S	5	o	48	85	5	*	*	*	*	10	6
Donaghadee	999.3	-3	SE	5	o/sh	43	92	7	800	St	10	-	10	7
Birr Castle	995.2	*	SE	2	o+	47	97	6	2500	StCu	10	-	10	0.9
Holyhead	1000.3	-1	SSE	4	or	47	97	7	800	Nb	10	-	10	*
Liverpool (Bidston) ...	1002.2	-2	SE'E	4	ffo	38	92	3	1500	St	10	-	10	
Chester (Shotwick) ...	1005.3	-3	ESE	4	mo+	35	97	4	450	St	10	-		
Spurn Head	1007.0	-5	ESE	5	mmo	36	97	4	800	St	10	-	10	4
Birmingham (Edgbaston)	1005.4	-4	SSE	3	od	38	92	4	450	St	10	-	10	*
Nottingham	1005.5	-4	E	2	o/r	35	97	4	1500	St	10	-	10	*
Cranwell	1006.9	-7	SE'S	3	ffo	33	97	1	<150	St	10	-	10	1
Gorleston	1011.5	-1	SSE	5	fo+	38	97	2	1500	St	10	-		
Valencia (Cahirciveen)	993.6	-5	S'E	4	0	51	92	6	800	St	10	-	10	6.5
Roches Point	996.7	-3	S	5	odd	49	97	7	2500	Nb	10	-	10	1
Pembroke (St. Ann's H.)	1002.4	-1	SW	4	ffo	47	97	2	<150	St	10	-	10	*
Ross-on-Wye	1004.5	-3	SSW	2	0	44	97	6	2500	Nb	10	-	10	
Leafield	1005.7	-3	S	1	ffo	43	97	1	<150	St	10	-		
Andover	1006.2	-3	SSW	3	o/r	47	97	6	800	StCu	10	-	10	*
S. Farnborough ...	1007.3	-4	S	2	odd	46	97	5	1500	Nb	10	-	10	*
London (Kew Obsy.) ...	1007.5	-4	SSE	3	0	46	97	6	1500	StCu	7	A.St	10	*
Croydon	1008.4	-3	S	3	od	46	92	6	450	St	10	-	10	2
Clacton-on-Sea ...	1010.0	-3	ESE	4	orr	42	97	6	1500	St	10	-	10	*
Shoeburyness	1009.3	-4	SSE	5	or	43	85	7	1500	St	10	-	10	0
Grain	1009.6	-4	SSE	5	or	45	97	7	1500	St	10	-	10	*
Lympne	1010.1	-2	SE	4	orr	44	97	1	<150	Nb	10	-		
Scilly (St. Mary's) ...	1008.6	-1	S	4	ffo	50	97	1	1500	St	10	-	10	4
Falmouth (Pendennis)	1004.6	0	SW	4	orr	50	97	7	4000	Nb	10	-	10	0
Plymouth (Cattewater)	1005.6	-1	SSW	3	orr	49	97	6	450	Nb	10	-	10	1
Portland Bill	1007.1	0	SW	3	or	49	92	6	2500	Nb	10	-	10	4
Southampton (Calshot)	1007.6	-2	SW'S	4	o/r	48	97	7	1500	St	10	-	10	0
Dungeness	1010.0	-3	S	5	orr	46	85	6	4000	Nb	10	-	10	4
Guernsey	1008.6	0	SSW	3	orr	49	97	6	1500	Nb	10	-		3

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 17.....

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 16-17 °F.	Temperature. Max. Day. 17 °F.	Rainfall.† Night 17h.-9h. 16-17 mm.	Rainfall.† Day 9h.-17h. 17 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 17 hr.
Montrose	oprso	o	37	37	-	0.2		0.0
Berwick-on-Tweed	ouquc	S.oS.	35	36	-	0.1		0.0
Llandudno	orso	o	34	36	3	0.4		0.0
Colwyn Bay	cp	c	33	39	4	1		0.0
Rhyl	rs	o	33	37	1	1		0.0
Southport	os	so	33	33	-	2		0.0
Blackpool	oo	so	32	33	-	2		0.0
Ilkley	o	omsx	27	29	-	0.2		0.0
Harrogate	o	os	28	32	-	-		0.0
Skegness	bcx	oxs	30	32	-	-		0.0
Aberystwyth ...	roc	b	38	44	2	-		1.7
Bath	rmo	om	37	38	3	1		0.0
Leamington Spa ...	os	os.	29	31	1	1		0.0
Lowestoft	o	os.o	28	30	-	0.4		0.0
Felixstowe	om	s.omd	30	33	-	0.2		0.0
Southend	om	d.	32	36	0.2	0.4		0.0
Ilfracombe	obcco	oco	43	47	3	-		1.6
Bude	rocr	ocr.	42	54	2	1		2.3
Torquay	codr	rdbc	43	50	7	3		0.5
Weymouth	odo	odo	42	46	5	0.4		0.0
Bournemouth ...	om	om	39	41	1	2		0.0
Portsmouth (S'thsea)	ofer.	oof	38	40	1	1		0.0
Littlehampton ...	ocm	p.om	38	38	0.2	0.4		0.0
Worthing	os	o	38	39	-	0.2		0.0
Brighton	o	o	37	38	-	-		0.0
Eastbourne	or.	o	37	39	-	0.2		0.0
Hastings	om	odmf	35	37	-	0.4		0.0
Folkestone	omd	id.o	38	2	0.3	0.4		0.0
Dover	omd.d	domd.	36	37	0.3	1		0.0
Tunbridge Wells ...	o	odm	33	34	-	1		0.0
Ramsgate	oro	orp	34	41	0.1	1		0.0
Margate	o	od	33	35	-	0.3		0.0
Deal	o	or	34	36	-	-		0.0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22703 SATURDAY, 19TH JANUARY 1924. Page 1

Observations at 1300 G.M.T. 18th / Observations at 1800 G.M.T. 18th

STATIONS. (For heights see p. 4).	1300 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	1800 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	1007.5	-3	S	1	o/p	39	85	7	4000	SrC	9	·	9	·	1003.7	-6	SSE	2	o	37	85	6	3700	SrC	10	·	10	1
Stornoway	995.3	-6	SE	3	o+	39	85	7	800	Sr	10	·	10	·	989.9	-5	ESE	3	o	39	85	7	800	Sr	10	·	10	2
Wick	1000.5	-5	SSE	5	or	38	92	8	1500	Nb	10	·	10	·	994.5	-6	SE	5	odd₀₀	39	97	7	450	Sr	10	·	10	6
Castlebay	992.6	-7	ENE	5	opr₀	42	85	7	1500	Nb	10	-	10	·	987.6	-5	ENE	4	orr₀₀	42	97	6	800	Nb	10	·	10	5
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	·	991.9	*	-	0	orr	36	85	7	1300	Nb	9	-	9	*
Aberdeen	1000.6	-8	SE	4	orr₀₀	38	97	6	1500	Nb	10	·	10	2	994.6	-6	SSE	3	or₀	39	97	4	1500	Nb	10	-	10	4
Malin Head	990.4	-6	SE	4	o/r	45	97	7	4000	Nb	8	ACu	10	·	987.0	-2	SSE	4	c/r	46	85	8	4000	SrC	5	CiCu	7	3
Renfrew	997.8	-6	E	2	ors₀s₀	33	97	4	1500	Nb	10	·	10	8	992.3	-6	E	1	orr₀₀	35	97	3	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	998.4	-7	E	1	o/s	35	92	8	*	Sc	10	-	10	*	992.9	-6	ESE	2	orr	37	97	6	*	Nb	10	·	10	0
Leuchars	998.6	-6	SE	2	or₀	35	97	7	1500	Nb	3	ASr	10	2	993.1	-8	SE	2	orr	38	97	6	800	Nb	10	·	10	*
Eskdalemuir	998.6	-5	N	2	orr	33	97	6	1500	Nb	10	·	10	7	993.4	-5	S'W	2	or	39	97	1	<150	Nb	10	-	10	*
Tynemouth	1001.0	-8	SW	1	ffo	35	97	3	800	Sr	10	-	10	*	[illegible]	-6	SSW	1	o/r	38	97	4	800	Nb	10	-	10	0
Blacksod Point	987.6	-2	SSE	6	o	50	92	7	*	*	*	*	10	*	987.6	0	SW	5	opr₀	47	97	7	*	*	*	*	10	6
Donaghadee	993.2	-3	S	3	c/r	48	85	8	800	Sr	8	·	8	*	992.6	-1	SW	3	b-	46	92	8	800	Sr	3	-	3	4
Birr Castle	992.7	*	SE	1	c-	51	92	7	4000	SrC	7	-	7	*	991.7	*	SSW	3	c	48	85	6	4000	Cu	7	·	7	*
Holyhead	997.2	-4	S'E	4	odd₀	49	97	5	<150	Nb	10	·	10	2	995.3	-2	SSW	5	o	49	92	6	800	SrC	10	·	10	3
Liverpool (Bidston)	995.0	-5	SE	3	opr₀	42	97	4	2500	Nb	10	·	10	*	997.4	-1	SSE	2	c/r	47	92	7	-	-	0	ASr	8	3
Chester (Shotwick)	1000.1	-4	SE	3	orr	42	97	3	450	Sr	10	·	10	2	997.6	-1	SSE	3	o	46	92	5	1500	Sr	9	·	9	*
Spurn Head	1002.6	-5	SE'E	4	ffo	40	97	2	225	Sr	10	·	10	*	999.9	-4	SSW	5	c	44	97	7	·	-	0	ACu	7	4
Birmingham (Edgbaston)	1001.6	-5	SSW	4	ffo	47	97	3	800	Sr	10	·	10	2	1000.4	-2	SSW	4	o⊕	48	97	6	800	Sr	3	CiSr	10	*
Nottingham	1002.0	-6	WSW	3	b	47	97	5	1500	Nb	10	-	10	*	999.7	-2	WSW	3	o	48	97	6	2500	Nb	1	CiSr	10	*
Cranwell	1003.1	-5	S	3	FFo	41	97	1	<150	Sr	10	·	10	2	1000.0	-3	SSW	4	o	45	97	6	1500	Sr	6	ASr	10	*
Gorleston	1009.4	-1	S	4	fo+	44	97	2	450	Sr	10	·	10	*	1004.4	-1	SSW	4	o-	45	97	6	2500	Nb	10	/	10	1
Valencia (Cahirciveen)	991.5	-2	SSW	6	c	52	85	7	1500	Sr	8	·	8	1	994.3	+4	SWS	4	bc+	49	85	7	1500	SrC	6	-	6	6
Roches Point	995.0	-3	SW	6	bc-	50	92	8	1500	SrC	4	·	4	*	995.8	+1	WSW	4	c	49	92	8	2500	SrC	2	CiSr	8	6
Pembroke (St. Ann's H.)	999.5	-2	SSW	5	ffo	48	97	2	<150	Sr	10	·	10	*	992.2	0	S	4	o	48	97	7	2500	Sr	10	-	10	4
Ross-on-Wye	1002.1	-4	SSW	3	o	50	85	7	2500	Nb	10	-	10	2	1000.8	-1	SW'S	5	o⊕	51	85	7	2500	Nb	4	CiSr	10	*
Leafield	1004.1	-5	S	4	o/f	47	97	8	7200	SrC	10	·	10	2	1002.0	-2	S	3	o	49	92	6	1500	Sr	10	-	10	*
Andover	1004.6	-4	S'E	3	odd₀	48	97	5	800	Nb	10	·	10	2	1003.3	0	SW'S	4	o	50	92	7	1500	SrC	10	·	10	*
S. Farnborough	1005.2	-4	S	3	orr	48	97	5	800	Nb	10	·	10	2	1004.4	0	SW	4	o-	50	97	6	800	Nb	10	·	10	*
London (Kew Obsy.)	1005.6	-4	S	3	orr₀₀	48	97	5	1500	Nb	10	·	10	2	1004.2	-1	SSW	3	o/r	51	97	6	1500	Sr	10	·	10	*
Croydon	1006.1	-4	S'W	4	orr₀₀	48	97	6	450	Nb	10	·	10	2	1005.1	+1	SW	4	odd₀₀	49	97	6	450	Nb	10	·	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	·	1005.2	-2	SSW	2	o	43	97	6	2500	Sr	10	-	10	1
Shoeburyness	1006.8	-4	SSW	3	or+	45	92	5	450	Nb	10	·	10	*	1005.6	-1	SW	4	o/r	50	92	6	1500	Sr	10	·	10	*
Grain	1006.9	-3	S'W	3	orr	47	97	7	800	Nb	10	·	10	2	1005.4	+1	SSW	4	o	50	97	7	800	Sr	10	·	10	0
Lympne	1007.4	-4	S	4	or₀	46	97	1	<150	Nb	10	·	10	2	1006.2	0	S	4	odd	48	97	1	<150	Nb	10	·	10	*
Scilly (St. Mary's)	1003.0	0	SW'S	5	o	51	97	6	4000	SrC	10	-	10	*	1002.6	0	SW	5	o	52	97	6	4000	SrC	10	-	10	5
Falmouth (Pendennis)	1002.6	-2	WSW	6	o	52	92	6	4000	Nb	10	-	10	*	1002.5	0	WSW	7	or₀	51	92	7	4000	Nb	10	·	10	0
Plymouth (Cattewater)	1003.7	-2	SW	3	o	50	97	6	<150	Sr	10	·	10	2	1004.2	0	SW	5	od	50	97	6	225	Nb	10	·	10	0
Portland Bill	1003.3	-4	SW	3	o/r	49	97	6	1500	Sr	10	-	10	*	1003.5	0	SW'W	5	o	50	92	7	1500	Sr	10	-	10	4
Southampton (Calshot)	1005.2	-6	S'E	4	orr	48	97	7	1500	Nb	10	-	10	1	1005.7	+2	SW	5	o/r	50	97	6	1500	Sr	10	-	10	0
Dungeness	1005.3	-3	SW	4	orr	47	97	7	4000	Nb	10	·	10	*	1005.9	-1	SW	5	odd	49	92	5	4000	Nb	10	-	10	[illegible]
Guernsey	1000.3	-3	WSW	3	odd	51	97	4	500	Nb	10	·	10	*	1003.2	+3	WSW	5	o	51	97	5	1500	Nb	10	·	10	4

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather Morning	Weather Afternoon	Weather Night	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 18h. G.M.T. % To-day	Visibility 18h.
		24 Hours ended 0900 G.M.T. 19th											
Kew	18	odu r m	o r mom	omo r f	*	*	46	3	3	0.0	*	*	7
Croydon {24 hours ended 0700	244	odu r r	o r u m	omd r r	*	*	45	4	3	0.0	*	*	7
Greenwich (Royal Obsy.)	149	o r	o r o	o r	51	47	43	4	7	0.0	93	40	5.6
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	53	47	46	9	0	0.0	92	40	*
Regent's Pk. (Botanic Gdns).	[illegible]	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	orr₀ r	o r o	*	51	44	43	4	5	*	*	88	*
Kensington Palace	80	o a r	o	*	51	47	38	4	5	*	At 18h 93	86	*
Hampstead Observatory	450	*	*	*	50	41	40	5	5			43	*

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 19th

South Kensington Max.	Time.	Min.	Time.
1.0	18h.17m	<0.3	0h.18
1.0	9h.18		

Kew Observatory Max.	Time.	Min.	Time.
0.96	5h.17th	<0.3	5-6h 18
0.32	10h.18th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 18th 17 h. 15 m. to 19th 06 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13.30	nil	nil
δ Ursae Minoris	13.30	nil	nil

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	C	5	-	130°
16h.	C,C₂	6	-	95°
01h.	C,C₂	6	-	60°
07h.	C,C₂	5	-	120°

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

19th & 20th Jan., 1924

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.54 / 7.53	12 4 / 12 4	4.13 / 4.15
Greenwich	7.57 / 7.56	12 11 / 12 11	4.25 / 4.26
Wick	8.46 / 8.44	12 23 / 12 23	4.0 / 4.3
Valencia	8.40 / 8.39	12 52 / 12 52	5.4 / 5.5

BEAUFORT NOTATION OF WEATHER.
b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ◫ = lunar halo.
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; - = "decreasing", + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

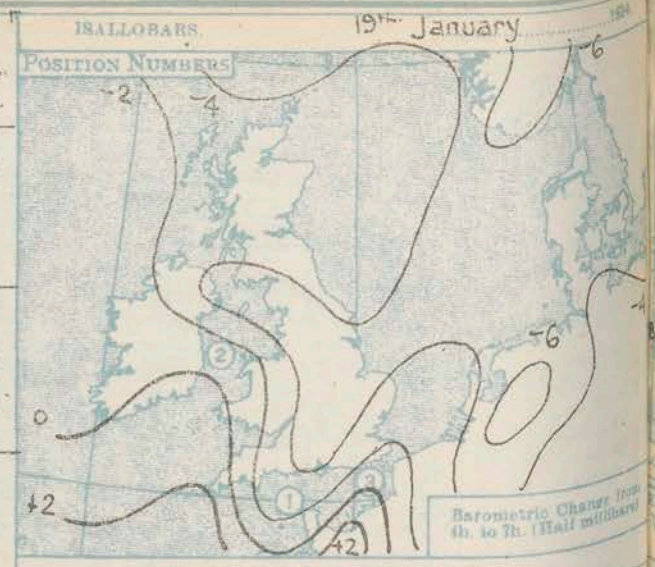
SEA DISTURBANCE.
0=no swell } Calm or
1=mod. swell } slight
2=heavy swell } sea.
3=no swell } Moderate
4=mod. swell } sea.
5=heavy swell }
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 18	13h.-18h. 18	18h. 18 to 1h. 19	1h.-7h. 19	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 18 Hours.
Lerwick	cpr	o	omaq	omrd	40	35	.	0·1	2	2080	2100	0·0
Stornoway	c	oo	c	r	40	38	.	-	8	-	-	0·0
Wick	oir	ardd	orr	orr	39	38	.	1	4	11·00	2100	.
Castlebay	op	oprr	rrov	opbc	42	42	.	3	5	15·30	-	0·0
Nairn	cq	obccr	iro	cxbc	40	33	.	2	4	16·30	2100	1·0
Aberdeen	rsrr	irm	bm	drmb	39	39	36	3	1	2080	2100	0·0
Malin Head	oiR	coir	irbcq	bcv	47	41	.	3	1	0900	2100	0·1
Renfrew	omr	orrmf	orrr	oo	35	33	33	11	4	2080	2100	0·0
Edinburgh (Inchkeith)	s	rr	rrp	c	37	37	.	5	1	2080	2100	0·0
Leuchars	oir	irrm	arro	oprr	38	35	30	7	3	2080	2100	0·0
Eskdalemuir	omadorm	irmf	oirfe	oin	40	39	38	13	2	2080	2100	0·0
Tynemouth	os	airff	omirc	om	38	38	37	5	0·2	2080	2100	.
Blacksod Point ...	p	p	p	p	50	41	.	3	1	-	-	.
Donaghadee	or	op	c	c	48	42	.	3	0·2	2080	2100	.
Birr Castle	copr	cpr	co	coprc	51	40	36	1	1	0900	0330	0·5
Holyhead	rrirm	irm	ocb	bccor	49	44	42	7	2	2080	0430	0·0
Liverpool (Bidston) ...	fom	co	or		49	35	31	0·6	2	1330	0630	0·0
Chester (Shotwick) ...	omadrf	orrfo	oo	oopr	46	42	34	1	0·6	0900	0530	0·2
Spurn Head	f-m	ffodc	oo	oo	44	40	.	1	-	1430	-	0·0
Birmingham (Edgbaston)	oeff	odm	oo	oo	48	43	42	0·5	-	2080	-	0·0
Nottingham	com	idm	o	c	49	45	38	0·1	-	1230	-	0·0
Cranwell	ocdf	ofro	p	oco	45	43	39	1	trace	1530	2200	0·0
Gorleston	off	offro	om	odr	46	45	43	3	2	1230	0230	0·0
Valencia (Cahirciveen)	oc	copc	op	opc	52	43	40	0·6	2	1530	2100	1·9
Roches Point	orbc	bcoc	od	do	51	44	.	4	0·4	2080	2200	.
Pembroke (St. Ann's H.)	f-m	f-m	oo	p	50	44	.	0·4	3	1230	0330	0·0
Ross-on-Wye	oro	ocodo	oqro	drR	51	43	41	0·2	6	0900	2100	0·1
Leafield	cofrorp	oq	Rro	orR	49	42	.	0·5	7	1230	2200	0·0
Andover	orrodm	odmo	oorr	orror	50	46	45	5	6	2080	2200	0·0
S. Farnborough ...	dorm	ormo	odm	orr	50	46	46	4	5	2080	2400	0·0
London (Kew Obsy.) ...	oddm	ormom	oimo	oqor	51	48	46	3	3	2080	0530	0·0
Croydon	odorrodm	omddrr	omddrr		50	47	45	4	3	2080	2100	0·0
Clacton-on-Sea ...	aymq	ogzr	ogz	ogp	43	41	40	3	1	1230	0430	0·0
Shoeburyness	oir	orrm	o	oprc	50	43	42	5	3	2080	-	0·0
Grain	orr	oo	oo	oorr	50	46	44	3	2	2080	0130	0·0
Lympne	ofr	oddf	oFd	oFrr	48	45	45	6	6	2080	2100	0·0
Scilly (St. Mary's) ...	omF	oq	or	cpbc	52	45	.	-	6	-	2100	—
Falmouth (Pendennis)	coreo	coq	coqr	corbc	52	44	.	5	8	1430	2100	0·0
Plymouth (Cattewater)	or	or	or	orp	51	45		6	9	2080	2400	0·0
Portland Bill	r-d	oo	r	r	50	46	.	7	5	2080	2100	.
Southampton (Calshot)	orr	orr	orr	orrq	50	47	46	5	7	2080	2100	0·0
Dungeness	rmrr	r-d	rr	rr	49	45	.	4	7	2080	2100	.
Guernsey	orrmo	omd	orro	orroq	52	48	.	3	10	2080	2100	.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Rainfall.
2	18th 1000	Anglia	S	5	omd	49	43	5
3	19th 0200	Arundel	?	2	RR	49	48	6

GENERAL INFERENCE.

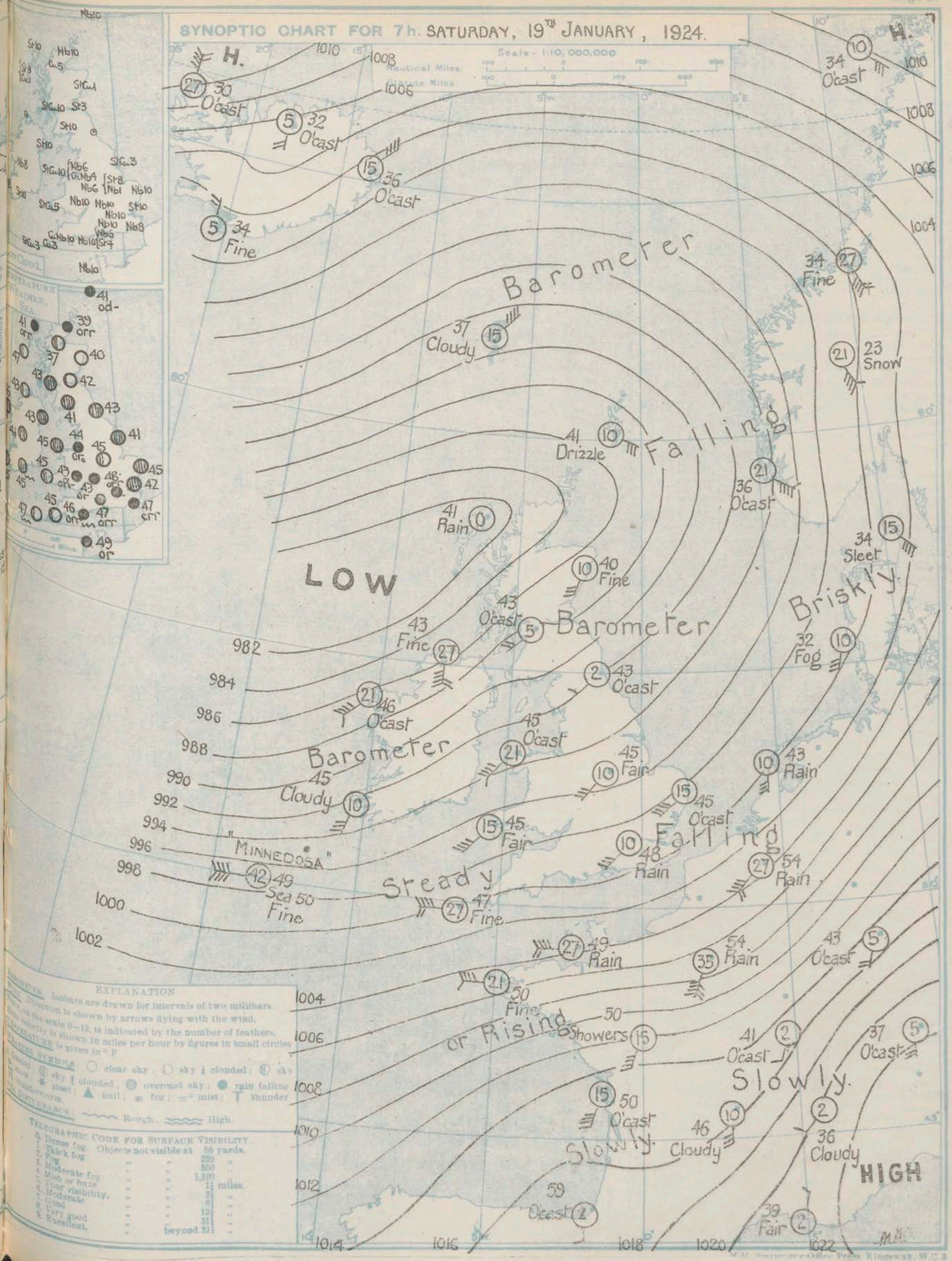
The depression off the Hebrides is moving northeastward and weather will be fairer temporarily with winds between S.W. and W. It is probable that further Atlantic depressions will maintain generally unsettled weather.

Forecasts for the 24 hours commencing 15h. G.M.T. Saturday, 19th January, 1924.

Districts.	Forecast	Further Outlook.
1. S.E. England 2. E. England	Wind SW., moderate or fresh, strong locally on coasts; mainly fair temporarily; visibility good; mild.	Unsettled generally.
3. E. Midlands 4. W. Midlands	Wind SW., moderate; mainly fair temporarily; visibility good; mild.	
5. S.W. England 6. South Wales	Wind SW. to W., strong at times; fair at first, probably further rain later; visibility good to moderate; mild.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind SW. to W., moderate or fresh; fair apart from local showers at first, probably further rain later; visibility mainly good; mild.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W., backing S., strong at times; variable sky, some rain; visibility good to moderate; mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0905 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR 7h. SATURDAY, 19TH JANUARY, 1924.
Scale - 1:10,000,000
Nautical Miles
Statute Miles
H.
H.
LOW
HIGH
Barometer Falling
Barometer Falling Briskly
Barometer Steady
Barometer Falling Slowly
or Rising Slowly
"MINNEDOSA"
1010
1008
1006
1004
982
984
986
988
990
992
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
1022
27 30 O'cast
5 32 O'cast
15 36 O'cast
5 34 Fine
10 34 O'cast
27 34 Fine
21 23 Snow
15 37 Cloudy
10 41 Drizzle
21 36 O'cast
0 41 Rain
10 40 Fine
15 34 Sleet
5 43 O'cast
27 43 Fine
2 43 O'cast
21 46 O'cast
21 45 O'cast
10 45 Fair
10 43 Rain
10 45 Cloudy
15 45 O'cast
15 45 Fair
10 48 Rain
27 54 Rain
42 49 Sea 50 Fine
27 47 Fine
27 49 Rain
35 54 Rain
5 43 O'cast
21 50 Fine
15 50 Showers
2 41 O'cast
5 37 O'cast
15 50 O'cast
10 46 Cloudy
2 36 Cloudy
2 59 O'cast
2 39 Fair
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Mean velocity, on the scale 0—12, is indicated by the number of feathers.
TEMPERATURE is given in° F
CLOUD SYMBOLS: clear sky; sky ½ clouded; sky clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA. RIDGE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Thick fog 220 "
2. Fog 550 "
3. Moderate fog 1,100 "
4. Mist, or haze 1¼ miles.
5. Poor visibility. 2 "
6. Moderate 6 "
7. Good 12 "
8. Very good 31 "
9. Excellent. beyond 31 "

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday 19th January 1924. No. 19

STATIONS.	Height above M.S.L. in feet.	0100 G.M.T. 19 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	0700 G.M.T. 19 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea 0-9
Lerwick	54	993·6	-14	SSE	5	odd₀	40	97	6	4000	Nb	10	-	10	987·7	-5	ESE	3	od-	41	97	6	4000	Nb	10	-	10	2
Stornoway	51	986·8	-3	ESE	3	o+	•	•	5	•	•	•	•	•	981·6	-3	-	0	orr	41	97	6	450	St	10	-	10	0
Wick	81	986·6	-7	SSW	2	orr₀	40	97	7	800	St	10	-	10	983·7	-3	SSW	2	orr	39	92	7	1500	Nb	10	-	10	1
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•	987·4	-2	SSW	4	bc	47	92	8	1500	St	4	-	4	5
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•	984·8	•	-	0	bc/r	37	85	8	4000	Cu	5	-	5	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•	987·7	-1	SSW	3	b	40	97	6	2500	StCu	1	-	1	1
Malin Head	71	987·1	0	SSW	5	b	45	85	8	5700	StCu	2	-	2	984·5	-3	S	6	b	43	85	9	-	-	0	a.Cu	2	3
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•	989·1	-1	SW	2	o/r	43	97	6	2500	StCu	10	-	10	•
Edinburgh (Inchkeith)	190	989·7	-3	SW	4	bcpr	44	92	8	•	StCu	5	-	5	987·5	-2	SW	3	b	42	85	8	•	St	3	-	3	3
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•	987·9	-1	SW	4	c	42	85	7	-	-	0	a.St	7	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•	989·4	-4	SSW	5	o	41	92	6	800	St	10	-	10	•
Tynemouth	118	994·8	-1	SW	1	b-	45	85	6	-	-	0	-	0	992·8	-2	SW	1	o	43	85	6	-	-	0	a.St	10	1
Blacksod Point ...	10	987·6	0	SW	5	o	46	85	5	•	•	•	•	10	986·4	-1	SW	5	o	46	75	5	•	•	•	•	10	7
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•	990·4	-5?	SSW	3	bc	43	92	8	450	St	4	-	10	3
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•	991·7	•	SW	1	c+	41	92	4	2500	Nb	8	-	8	•
Holyhead	26	995·7	0	SSW	4	b+	47	92	6	-	-	0	G.St	2	993·0	-2	SW'S	5	o	45	92	8	4000	StCu	10	-	10	3
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•	993·7	-2	WSW	3	or₀r	44	92	7	1500	Nb	10	-	10	4
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•	993·5	-4	SSW	4	orr	43	92	7	800	St	10	-	10	•
Spurn Head	26	997·8	-1	SSW	4	o	44	97	6	-	-	0	G.St	10	994·6	-4	SSW	3	o-	41	97	7	4000	StCu	3	a.St	10	3
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•	995·4	-2	SSW	3	o	44	92	6	1500	Nb	10	-	10	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•	994·6	-4	SW	3	bc	45	97	6	1500	Nb	6		6	
Cranwell	237	998·9	-2	SW'S	4	o	49	97	7	2500	StCu	10	-	10	995·9	-5	SSW	3	o	44	97	6					4	•
Gorleston	13	1003·5	0	SSW	4	o	47	97	6	-	-	0	a.St	10	997·2	-2	SW	4	o	45	97	6	4000	Nb	10	-	10	0
Valencia (Cahirciveen)	30	994·4	-1	W	3	o+	47	92	7	-	St	10	-	10	992·9	-2	SW'S	3	c	45	75	7	1500	St	8	-	8	5
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•	994·5	0	SSW	4	o	45	92	8	2500	St	10	-	10	6
Pembroke (St. Ann's H.)	149	990·0	-1	S	3	c	47	97	7	1000	StCu	8	-	8	990·5	0	SW	4	bc	45	85	8	4000	StCu	5	-	5	4
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•	996·5	-3	SW'W	4	oR-	43	85	7	2500	Nb	10	-	10	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•	996·8	-3	S'E	1	or	43	97	8	1500	Nb	10	-	10	
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•	998·1	-3	SSW	5	or	47	97	7	800	Nb	7	a.St	10	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•	998·5	-4	SSW	5	orr	47	97	6	800	Nb	10	-	10	•
London (Kew Obsy.) ...	18	•	•	•	•	•	49	•	•	•	•	•	•	•	998·3	-5	SW'S	3	orr	47	97	6	1500	Nb	10	-	10	•
Croydon	244	1002·8	-3	SW'S	4	orr	47	97	6	450	Nb	10	-	10	999·5	-3	SW	4	orr	48	92	6	800	Nb	8	a.St	10	•
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•	997·2	-3	SSW	3	o	42	97	7	2500	St	10	-	10	1
Shoeburyness ...	11	•	•	•	•	•	•	•	•	•	•	•	•	•	997·2	-2	SW	6	c/r	46	92	7	2500	Cu	8	-	8	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•	997·7	-4	SW	5	or-	48	92	1	800	Nb	10	-	10	0
Lympne	350	1004·1	-1	SSW	2	orr	47	97	1	450	Nb	10	-	10	1001·0	-2	SW	5	or₀	46	97	1	450	Nb	10	-	10	•
Scilly (St. Mary's) ...	131	1001·6	-1	SW	4	cpr	49	97	7	4000	CuNb	7	-	7	1001·7	0	W	6	br	47	85	8	4000	StCu	3	-	3	6
Falmouth (Pendennis)	206	1001·2	-2	WSW	5	orr	48	92	7	4000	Nb	10	-	10	1001·4	+2	W	5	b/r	45	85	8	4000	Cu	3	-	3	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•	1001·1	+3	W'S	5	oPR	46	85	8	1500	CuNb	10	-	10	3
Portland Bill	19	1005·8	-2	SW	5	orr	48	97	7	2500	Nb	10	-	10	998·3	-4	W	7	orr	46	85	7	2500	Nb	10	-	10	6
Southampton (Calshot)	12	1005·4	-4	SW	4	orr	48	97	7	1500	Nb	10	-	10	997·2	-5	SW'W	6	orr	47	97	7	1500	Nb	10	-	10	5
Dungeness	21	1003·1	-1	WSW	4	orr	47	97	7	4000	Nb	7	G.St	10	1001·6	-2	SW	4	crr	41	91	7	2500	Nb	8	-	8	4
Guernsey															1003·3	-2	W	6	or	44	91	6	1500	Nb	10	-	10	5

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 18

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 17-18 °F.	Temperature Max. Day. 18 °F.	Rainfall† Night 17h.-9h. 17-18 mm.	Rainfall† Day 9h.-17h. 18 mm.	Sunshine	Sunshine Sunrise to Sunset. 18 hr.
Douglas	oFir	oiRo	33	48	13	7		0·0
Montrose ...	oo-m	orm	34	39	2	+		0·0
Berwick-on-Tweed	sosrs	prsru	30	36	3	2		0·0
Llandudno	cor	cbcb	34	35	1	2		0·8
Colwyn Bay	cr	c	32	51	-	3		0·3
Rhyl	pc	cpc	31	52	1	2		0·1
Southport	oor	bcb	30	46	2	3		0·0
Blackpool	oor	co	31	46	2	5		0·0
Ilkley	xofco	feoro	27	46	+	+		0·0
Harrogate	f	f.r	26	41	3	6		0·0
Skegness	oro	orom	29	44	2	0.3		0·0
Aberystwyth ...	roo	o	37	52	1	-		0·0
Bath	ro	oq	36	53	4	2		0·0
Leamington Spa ...	oc	oc	29	50	2	-		0·0
Lowestoft	oir₀	dfm	29	49	1	2		0·0
Felixstowe	omomr	omrom	32	43	+	2		0·0
Southend	orm	orm	34	47	3	5		0·0

STATIONS.	Weather Fore-noon.	Weather After-noon.	Temperature Min. Night. 17-18 °F.	Temperature Max. Day. 18 °F.	Rainfall† Night 17h.-9h. 17-18 mm.	Rainfall† Day 9h.-17h. 18 mm.	Sunshine	Sunshine Sunrise to Sunset. 18 hr.
Ilfracombe	op	op	46	53	5	1		0·0
Bude	opro	opo	47	54	2	1		0·0
Torquay	r	doco	46	52	8	1		0·0
Weymouth	rfr	fro	41	51	12	+		0·0
Bournemouth ...	o	o	39	51	9	4		0·0
Portsmouth (S'thsea)	orr	omd₀	39	51	7	5		0·0
Littlehampton ...	ocm	ocmo	38	48	3	6		0·0
Worthing	rd	om	37	49	5	5		0·0
Brighton	oodro	drd	37	48	5	6		0·0
Eastbourne	or	rd	36	51	5	7		0·0
Hastings	odff	rdff	35	50	6	6		0·0
Folkestone	rr	ddmd	39	45	4	3		0·0
Dover	omdro	mdd₀	37	49	3	4		0·0
Tunbridge Wells ...	oro	odf	33	50	6	4		0·0
Ramsgate	ocd	do	35	49	1	2		0·0
Margate	odr	od	36	50	1	4		0·0
Deal	rr	od	36	49	5	3		0·0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22704 Sunday, 20th January 1924. Page 1.

Observations at 1300 G.M.T. 19th — Observations at 1800 G.M.T. 19th

STATIONS. (For heights see p. 4).	1300 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	State of ground.	1800 Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Low Form	Low Amt. 0-10	Upper Form.	Total Amt. 0-10	Sea. 0-9
Lerwick	9854	0	SW	1	o/r	42	97	6	4000	Nb	5	A.St	10	•	9853	0	SSW	1	ojp	43	97	6	4000	Nb	5	A.St	10	0
Stornoway	9818	0	SW	3	oPR	45	92	6	450	St	10	-	10	•	983.1	+2	SW	2	o/r	43	92	6	450	St	10	-	10	1
Wick	9838	0	SW	2	bc	43	92	8	-	-	0	A.Cu	4	•	9840	0	SW	2	b	40	92	8	-	-	0	AC	2	0
Castlebay	9816	-1	SE	4	opr₀	43	97	8	1500	St	10	-	10	•	9853	+5	NNW	2	opr₀	47	97	6	1500	St	10	-	10	3
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•	9845	•	-	0	bc	34	85	8	4000	Cu	3	ACu	5	•
Aberdeen	9872	-1	SW	3	c	44	85	6	1500	St	1	A.Cu	8	2	9863	0	S	1	c+	40	97	5	2500	StCu	8	-	8	1
Malin Head	9813	-5	SW	6	od	44	97	7	4000	Nb	8	A.St	10	•	9872	+7	WNW	6	c/r	47	85	8	4000	Nb	8	-	8	4
Renfrew	9873	-3	SSW	4	o+	44	97	6	1500	St	10	-	10	2	9851	-4	SW	3	odd₀	44	97	4	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	9878	-1	SW	3	c+	43	85	7	•	Cu	2	A.St	7	•	9849	-3	S	2	orr₀	40	92	7	•	Nb	7	A.St	10	0
Leuchars	9874	-1	SSW	3	o	44	85	7	2500	StCu	8	A.Cu	9	2	9857	-2	SSW	2	o/r	40	92	7	2500	Nb	5	A.St	10	•
Eskdalemuir	9893	0	SSW	4	o	41	85	6	1500	StCu	10	-	10	2	9866	-3	SSW	5	orr₀	39	97	5	450	Nb	10	-	10	•
Tynemouth	9920	-1	SW	1	o/r	42	85	4	1500	Nb	10	-	10	•	9905	-2	SSW	1	o	44	75	6	1500	St	10	-	10	0
Blacksod Point	9884	+1	WNW	5	opr₀	48	97	7	•	•	•	•	10	•	9947	+2	WNW	5	o	47	85	7	•	•	•	•	10	5
Donaghadee	9894	-1	WSW	3	orr₀	43	85	8	-	-	0	A.St	10	•	9897	+2	WSW	3	crr₀	47	85	8	450	St	8	-	8	3
Birr Castle	9906	*	SW	3	cr	45	92	7	4000	Nb	8	-	8	•	9944	•	W	4	c-	47	85	6	4000	Cu	7	-	7	•
Holyhead	9926	-2	SW'S	5	c+	47	85	8	1500	StCu	7	Ci.St	8	2	9923	0	SW'W	5	o/r	46	92	7	1500	StCu	9	-	9	4
Liverpool (Bidston)	993.1	+1	SW	3	b-	46	75	8	2500	StCu	2	Ci	3	•	9925	-1	SW	3	o/r	42	92	7	2500	Cu.Nb	10	-	10	4
Chester (Shotwick)	9944	+1	SW	4	c	48	65	8	1500	St	7	Ci	8	2	9932	0	SW	4	orr	44	85	8	1500	Nb	10	-	10	•
Spurn Head	9932	-1	SW'W	5	o-	43	92	5	4000	Nb	7	ACu	9	•	9932	-1	SSW	4	o	41	92	8	2500	StCu	9	-	9	1
Birmingham (Edgbaston)	9965	+1	SW	4	ojp	46	75	8	2500	Nb	6	A.St	9	2	9954	0	SW	4	o/r	42	85	7	4000	Cu.Nb	4	ACu	9	•
Nottingham	9947	+1	W	4	bc	46	85	7	2500	St.Cu	1	Ci.St	4	•	9944	-1	SW	3	c	44	92	6	1500	StCu	4	ACu	8	•
Cranwell	995.6	+1	WSW	4	b-	47	85	7	2500	Cu	3	-	3	2	9947	-2	SW'W	4	o+	43	92	6	2500	StCu	9	-	9	•
Gorleston	9969	0	SW'W	4	bc-	48	75	6	5700	Cu	6	-	6	•	9970	0	S	2	o/r	44	85	6	4000	Nb	10	-	10	1
Valencia (Cahirciveen)	9962	+3	WSW	6	opr₀	48	85	7	1500	StCu	9	-	9	2	10001	+6	W'S	5	ojp	48	85	7	1500	StCu	10	-	10	5
Roches Point	9953	+2	SW	4	c	48	85	8	2500	Cu.Nb	8	-	8	•	9994	+5	W	4	b-	48	85	8	4000	StCu	3	-	3	6
Pembroke (St. Ann's H.)	996.0	-3	W	5	cPR	45	85	8	1500	Nb	7	-	7	•	998.0	+1	W	6	o	47	85	8	1500	StCu	10	-	10	5
Ross-on-Wye	9973	-2	SW	4	orr	43	92	6	2500	Nb	10	-	10	2	9970	+2	WSW	3	opr₀	46	85	8	2500	Nb	9	-	9	•
Leafield	9990	+1	SSW	6	o/r	46	75	8	5700	Cu	10	-	10	2	9980	-1	W	3	c/h	42	85	6	4000	Cu.Nb	3	ACu	8	•
Andover	10003	+1	SW'S	6	bc+	49	75	8	1500	Cu	3	Ci	5	2	9994	0	SW'W	6	c+	43	75	8	2500	StCu	7	-	7	4
S. Farnborough	10009	+2	SW	5	bc-	43	75	8	2500	Cu	3	Ci	4	2	9994	0	WSW	5	bc+	43	85	7	1500	StCu	3	Ci	4	•
London (Kew Obsy.)	10004	+2	SW	4	bc	49	65	7	2500	Cu	4	-	4	1	9996	+1	W'N	4	bc/r	46	75	7	2500	StCu	5	-	5	•
Croydon	10010	+2	WSW	4	bc/r	50	65	7	1500	Cu	5	-	5	2	9998	0	W'S	4	o/r	45	85	6	800	Nb	9	-	9	•
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•	9984	-2	WSW	4	cr	42	92	6	4000	Nb	7	-	7	1
Shoeburyness	9998	+2	SW	6	b/r	49	75	7	4000	Cu	1	-	1	•	9985	0	SW	3	c-	45	75	7	1500	Cu	8	-	8	•
Grain	10002	+2	SW	5	b-	49	75	8	1500	St	2	-	2	2	9992	-2	SW	5	bc/r	44	85	8	-	-	0	A.St	4	0
Lympne	10017	+4	WSW	6	b-	47	75	8	2500	Cu	3	-	3	2	1000.1	-2	W'S	6	opr₀	46	97	7	800	Nb	7	A.St	10	•
Scilly (St. Mary's)	10019	0	W	7	bcjp	48	85	8	4000	Cu.Nb	5	-	5	•	10042	+3	W	7	bcPR	49	92	8	4000	StCu	5	-	5	7
Falmouth (Pendennis)	10003	-1	W	8	bcpr₀	50	75	8	4000	Cu.Nb	4	-	4	•	10046	?	W	5	bc/r	49	85	8	4000	Cu	5	-	5	0
Plymouth (Cattewater)	10004	-4	SW'W	7	o	49	85	7	1500	StCu	10	-	10	2	10037	+3	W	6	o	49	75	8	2500	StCu	10	-	10	3
Portland Bill	10016	+1	WSW	6	c	49	75	7	-	-	0	Ci.Cu	7	•	1002.1	+4	WSW	7	bc-	48	75	7	-	-	0	Ci.Cu	6	6
Southampton (Calshot)	10020	0	SW	5	b	48	75	8	4000	Cu	1	A.Cu	2	2	10012	+1	WSW	5	c	47	85	8	2500	St	5	Ci	8	3
Dungeness	10018	+2	WSW	6	b-	48	85	7	2500	Cu	3	-	3	•	1000.1	-2	WSW	7	cr	47	92	8	4000	Cu	7	-	7	7
Guernsey	1005.3	-1	WSW	6	c+	50	85	8	4000	Cu	7	-	7	•	1006.0	0	W	7	bc+	48	92	7	4000	StCu	6	-	6	6

LONDON OBSERVATIONS.	Height above M.S.L. in feet.	Weather (24 Hours ended 0900 G.M.T.) Morning.	Afternoon.	Night.	Temperature Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day.	Night.	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	ogr:bc	oiqr bc	bcogrb	•	•	41	3	1	3.5	•	•	6
Croydon }	244	orrPty	ottry	oqt r	•	•	41	4	1	3.6	•	•	6
Greenwich (Royal Obsy.)	149	opue	corotilc	ororo	50	45	34	6	2	4.0	64	88	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	3.1	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	51	45	39	4		3.5			•
Regent's Pk. (Botanic Gdns).	63	•	•	•	•	•	•	•	•	3.6	•	•	•
Camden Square	110			•						•	•		•
Kensington Palace	80	bcor	or or	•	51	45	38	4	2	•	At 18h 85	86	•
Hampstead Observatory	450	•	•	•						3.9			•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. ....

South Kensington			
Max.	Time.	Min.	Time.

Kew Observatory			
Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from ....h......m. to..........h......m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris			
β Ursae Minoris			

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h	c	5	-	155°
18h	-	-	-	-
1h	-	-	-	-
7h	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

20th - 21st January, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.55 / 7.52	12.4 / 12.4	4.15 / 4.16
Greenwich	7.56 / 7.55	12.11 / 12.11	4.26 / 4.27
Wick	8.44 / 8.42	12.23 / 12.23	4.3 / 4.5
Valentia	8.39 / 8.36	12.52 / 12.52	5.5 / 5.6

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally. 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.
P = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. Ⴎ = lunar halo.
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; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

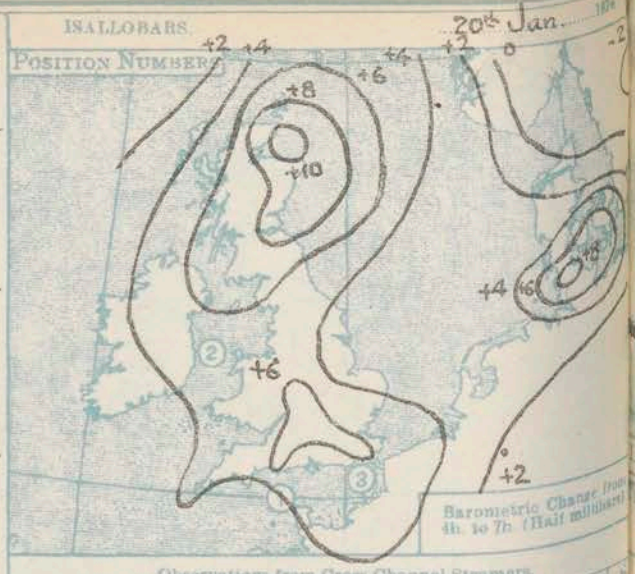
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 2.

M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 19th	Weather. 13h.-18h. 19th	Weather. 18h. 19th to 1h. 20th	Weather. 1h.-7h. 20th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 19th Hours.
Lerwick	Omr	omp	ed	opr	43	39	.	1	0.5	<0800	2400	0.3
Stornoway	p	p	p	qpr	45	35	.	2	3	-		0.0
Wick	orbc	bbc	oo	orrbc	43	36	.	2	2	<0800	0130	.
Castlebay	bcop	pbcop	op	opbc	44	41	.	02	2	-	-	0.1
Nairn	bccbc	bcx	bcxpc	cq	40	31		-	1	-	-	4.2
Aberdeen	bbcc	bbccm	bc3m	bo3rb	44	32	26	-	1	-	0130	0.8
Malin Head	codd.d	coid	p.bc	bc	44	42	.	2	Trace	0900	2200	0.0
Renfrew	oco	oorrmq	op	cbc	44	38	31	6	0.3	1430	<2100	0.2
Edinburgh (Inchkeith)	mc	ors	id	ob	44	34		4	0.3	1530	<2100	0.4
Leuchars	co	ors.o	oc	cbcb	44	34	30	0.4	-	1530	-	0.1
Eskdalemuir	omopro	oorm	oirm	ob	41	34	35	4	3	0900	<2100	0.0
Tynemouth	omir	om	oir	bbcq	45	41	38	3	0.5	1100	<2100	.
Blacksod Point ...	c	c	c	c	44	42	.	trace	6	-	-	.
Donaghadee	o	cp	bc	bc	48	40	.	1	-	1230	-	.
Birr Castle	coir	coir	coir	bc	46	39	30	0.6	0.2	<0800	<2100	2.0
Holyhead	ocqbc	oirs	orcbc	bbc	48	45	42	1	-	1530	-	1.6
Liverpool (Bidston) ...	pocbc	bcp	bc		49	42	36	5	0.4	0900	2400	2.9
Chester (Shotwick) ...	orr.occ	cor	orcbc	bbc	49	44	39	3	Trace	1630	2200	3.4
Spurn Head	orro	c	c	bbc	45	41	.	4	Trace	0900	2200	1.4
Birmingham (Edgbaston)	orbcc	orc	orcbc	cbcb	46	41	38	4	0.4	<0800	<2100	1.4
Nottingham	orc	op	orc	c	47	43	38	5	0.6	0900	<2100	1.5
Cranwell	orobc	bcmpo	cp	c	47	41	34	2	0.3	0900	<2100	2.5
Gorleston	oprcq	cqoc	cdcq	cobcv	49	42	34	3	1	<0800	<2100	2.2
Valencia (Cahirciveen)	bccpo	co	op	op.o	50	46	41	2	1	1100	<2100	1.3
Roches Point	poc	cpob	bbc	c	50	45	.	0.5	-	<0800	-	.
Pembroke (St. Ann's H.)	cqpr	oo	oo	c	50	46	.	3	-	0900	-	0.0
Ross-on-Wye	obcopar	Rbbo	dop.oq	ocb	47	45	39	3	0.5	1100	<2100	2.0
Leafield	cobcr	bcpr	orbcbcobc		47	40	*	6	0.5	1330	2400	3.0
Andover	orbcq	corrbc	ocpqpr	opcy	49	44	39	3	0.4	<0800	<2100	5.1
S. Farnborough ...	prcbc	bcqrqb	bcdr	rob	50	42	38	4	Trace	<0800	2200	4.4
London (Kew Obsy.) ...	oqrbc	oqrbc	bcoqr	oqrb	50	45	41	3	1	<0800	-	3.5
Croydon	orrpq	cofrq	oqr	bor	50	45	41	4	1	<0800	2200	3.6
Clacton-on-Sea ...	oqqrcbc	bczcqr	cpbcq	bcq	47	41	39	6	0.2	<0800	2200	4.0
Shoeburyness	cpRbcb	orcpbc	corrc	cb	50	42	38	3	Trace	<0800	-	4.4
Grain	oprqb	bofq	p	crobc	49	38	39	2	0.3	<0800	2400	4.4
Lympne	ocbq	oqpr	obcpq	bcc	48	42	40	2	Trace	<0800	-	3.9
Scilly (St. Mary's) ...	bcqp	bcqpr	bq	bcq	52	44	.	2	-	<0800	-	*
Falmouth (Pendennis)	bcp	bcpbc	bcpbc	bc	50	46	.	1	0.1	1100	<2100	3.6
Plymouth (Cattewater)	opboq	obcoq	opq/pc	cbpc	50	47	44	trace	1	<0800	0130	3.2
Portland Bill	c	c	c	c	50	46	.	0.2	-	-	-	.
Southampton (Calshot)	prqcbcb	bccpqc	cpo	oid	49	46	44	1	0.1	<0800	0130	4.4
Dungeness	p	p	cq	c	48	43	.	2	0.2	<0800	<2100	.
Guernsey	orrbcbbc	corrobcq	cq	orrpq	51	45	.	3	3	0900	-	.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	
3	19th 0200	Arundel	-	2	RR	49	48	6
1	" 1200	Tack	W	4	b.	50	50	6
3	20th 0200	Dieppe	WSW	6	b	44	48	8

General Inference.

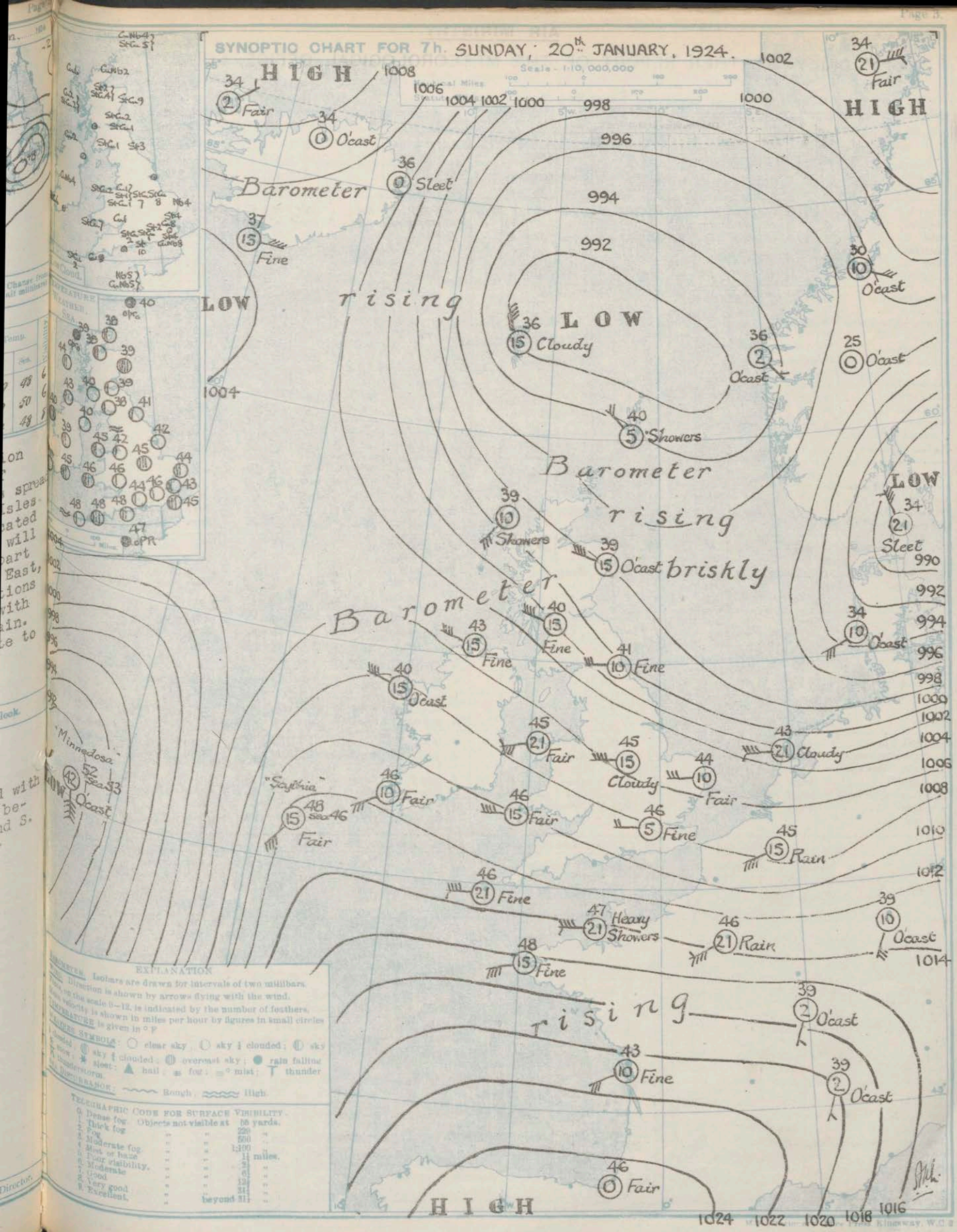
In the rear of a depression over Scandinavia a wedge of relatively high pressure is spreading East over the British Isles. A fresh depression is indicated over the Atlantic. Weather will be mainly fair at first, apart from local showers, in the East, with westerly winds. Conditions deteriorating in the West with S.W. to S. winds and some rain. Temperature will be moderate to rather mild generally.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 20th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind westerly, moderate or fresh; variable sky, local showers; visibility mainly good; rather mild or moderate temperature.	Unsettled with winds from between W. and S.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind westerly, moderate or fresh, backing later to S.W. or S; fair at first apart from local showers, becoming cloudy with some rain probable tomorrow; visibility good to moderate; temperature moderate to rather mild.	
10. N.E. England 11. E. Scotland ~~12. S.W. Scotland~~ 13. Isle of Man	Wind westerly, moderate or fresh, probably backing again later; variable sky, some showers; visibility mainly good; moderate temperature. As 5 - 9.	
14. N. & N.W. Scotland 15. Hebrides ~~16. Orkneys and Shetlands~~ 17. N.W. Ireland	Wind westerly, moderate or fresh, becoming light temporarily, freshening later from S.W. to S.; variable sky, some showers, becoming cloudy with some rain probable tomorrow; visibility good to moderate. As 10 - 11.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind W., backing to S. and becoming strong; cloudy to dull, some rain; visibility good to moderate; rather mild or moderate temperature.	

SCR

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. Simpson, F.R.S., Director.

† For Code see opposite page.


SYNOPTIC CHART FOR 7h. SUNDAY, 20th JANUARY, 1924.
Scale - 1:10,000,000
HIGH
Fair
O'cast
Sleet
Fine
LOW
rising
Cloudy
Showers
Barometer
rising
briskly
Barometer
rising
"Minnedosa"
"Scythia"
Heavy Showers
Rain
HIGH
1024
1022
1020
1018
1016
1014
1012
1010
1008
1006
1004
1002
1000
998
996
994
992
990
EXPLANATION
BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind.
Force, on the scale 0—12, is indicated by the number of feathers.
Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in ° F.
WEATHER SYMBOLS: clear sky; sky ¼ clouded; sky ½ clouded; sky ¾ clouded; overcast sky; rain falling; snow; sleet; hail; fog; mist; thunder; thunderstorm.
SEA DISTURBANCE: Rough; High.
TELEGRAPHIC CODE FOR SURFACE VISIBILITY.
0. Dense fog. Objects not visible at 55 yards.
1. Thick fog 220
2. Fog 500
3. Moderate fog 1,100
4. Mist or haze 1¼ miles.
5. Poor visibility 2
6. Moderate 6
7. Good 12
8. Very good 24
9. Excellent beyond 24

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Sunday, 20th January 1924. No. 20

Observations at 0100 G.M.T. 20th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	989.5	+3	SSW	1	od	43	92	6	4000	Nb	5	A St	10
Stornoway	51	994.3	+4	W	3	PR	*	*	5	*	*	*	*	*
Wick	81	988.9	+4	WSW	1	o	38	92	8	1500	St	10	-	10
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	48	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	998.9	+8	NW	6	b	45	85	8	4000	Cu	2	-	2
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	990.6	+5	W	3	o/r	38	94	8	*	Cu Nb	5	A Cu	9
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	992.5	+4	W	2	c/r	45	85	4	4000	St Cu	8	-	8
Blacksod Point	10	1003.4	+3	WNW	4	bc	45	85	4	*	*	*	*	6
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1001.5	+6	WSW	6	bc	44	85	8	-	-	0	A Cu	4
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	995.3	+3	W	5	bc	43	92	4	4000	St Cu	6	-	6
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	998.5	+4	WSW	3	0	45	92	8	1500	St Cu	10	-	10
Gorleston	13	998.3	0	WSW	4	c-	43	92	4	-	-	0	A Cu	8
Valencia (Cahirciveen)	30	1004.8	+5	SW	4	c/PR	48	94	8	+	St	5	-	8
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1005.1	+4	W	6	c	44	85	8	4000	St Cu	8	-	8
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	296	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	44	*	*	*	*	*	*	*
Croydon	244	1008.4	+5	WSW	4	or	46	92	6	1500	Nb	10	-	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1003.4	+3	WNW	5	bc	43	92	4	1500	St	6	-	6
Scilly (St. Mary's)	131	1010.9	+4	W'N	6	b	48	92	8	-	-	0	-	0
Falmouth (Pendennis)	209	1010.4	+5	WNW	5	b/r	44	85	8	4000	Cu	2	-	2
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1005.1	+6	W	4	bc+	49	85	4	4000	Cu	6	-	6
Southampton (Calshot)	12	1005.5	+4	WSW	5	o/r	44	85	8	1500	St	9	-	9
Dungeness	21	1003.4	+2	WNW	6	c	46	92	4	5/00	Cu Nb	8	-	8
Guernsey														

Observations at 0700 G.M.T. 20th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	994.5	+5	NW	2	opr.	40	92	6	4000	St Cu	9	-	9	1
Stornoway	999.3	+4	SW	3	bcpr.	39	95	4	4000	Cu	6	-	6	2
Wick	996.9	+10	WNW	1	bc	38	92	8	2500	Cu Nb	2	Ci	4	0
Castlebay	1003.0	+4	WNW	4	bc	44	85	8	2500	Cu	4	-	4	4
Nairn	1000.1	*	-	0	bc+	38	85	8	1500	St Cu	6	-	6	*
Aberdeen	998.2	+8	NW'W	4	o	39	92	4	4000	St Cu	9	-	9	1
Malin Head	1005.0	+5	WNW	4	b	43	85	8	5/00	Cu	2	-	2	4
Renfrew	1002.6	+4	WNW	4	b	40	92	8	-	-	0	-	0	*
Edinburgh (Inchkeith)	999.4	+9	WNW	4	b	39	85	9	*	St Cu	1	-	1	2
Leuchars	999.4	+10	WNW	2	b-	41	95	8	5/00	St Cu	2	-	2	*
Eskdalemuir	1001.4	+4	W'N	6	b	38	85	4	1500	St Cu	1	-	1	*
Tynemouth	999.2	+5	W	3	b	41	85	4	800	St	3	-	3	*
Blacksod Point	1008.5	+3	WNW	4	o	40	94	4	*	*	*	*	10	4
Donaghadee	1005.9	+6	W	2	b-	40	92	8	-	-	0	-	0	2
Birr Castle	1009.1	*	W	1	bc-	39	94	6	4000	Cu Nb	4	-	4	4
Holyhead	1004.2	+5	W'S	5	bc	45	92	8	4000	St Cu	2	Ci St	2	6
Liverpool (Bidston)	1005.9	+4	WSW	5	b+	42	94	8	2500	Cu	2	-	2	*
Chester (Shotwick)	1006.4	+5	W	3	b	44	85	8	4000	St Cu	1	-	1	*
Spurn Head	1000.4	+3	W	6	b	42	92	8	-	-	0	-	0	3
Birmingham (Edgbaston)	1004.0	+6	W	5	b	43	85	8	-	-	0	Ci	1	*
Nottingham	1005.2	+4	W	4	c	45	92	8	800	St Cu	4	-	4	*
Cranwell	1004.9	+4	W	4	c+	42	92	4	4000	St Cu	8	-	8	0
Gorleston	1004.1	+3	W	3	bc+	44	92	8	4000	Nb	4	A St	5	*
Valencia (Cahirciveen)	1011.8	+3	WSW	3	bc	46	85	4	1500	St Cu	6	-	6	3
Roches Point	1011.8	+3	WNW	2	c	45	94	8	-	-	0	Ci St	8	4
Pembroke (St. Ann's H.)	1010.0	+4	W	4	c	46	92	8	2500	St Cu	4	-	4	*
Ross-on-Wye	1008.2	+4	W'S	3	b+	46	95	9	4000	Cu	1	Ci	2	*
Leafield	1007.8	+4	W	4	bc	43	85	7	-	-	0	Ci	4	*
Andover	1009.0	+3	W	5	b+	44	85	8	2500	St Cu	2	Ci	3	*
S. Farnborough	1008.6	+5	SW	3	b+	44	92	4	*	St Cu	1	Ci	3	*
London (Kew Obsy.)	1008.6	+6	W	2	b/r	46	85	6	2500	St	2	-	2	*
Croydon	1008.4	+5	WSW	3	o-	46	85	4	1500	St Cu	9	-	9	*
Clacton-on-Sea	1005.4	+4	W	3	bc	43	92	6	5/00	St	4	-	4	1
Shoeburyness	1004.5	+3	SW	2	c+	44	85	4	4000	Cu	8	-	8	*
Grain	1004.8	+6	WSW	5	b	44	85	4	-	-	0	A Cu	2	0
Lympne	1008.0	+6	WNW	4	bc	45	94	4	2500	St	4	A St	6	*
Scilly (St. Mary's)	1013.9	+4	W	5	b	48	92	8	4000	St Cu	2	-	2	4
Falmouth (Pendennis)	1013.0	+3	WNW	5	c+	48	95	8	4000	Cu	8	-	8	0
Plymouth (Cattewater)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	1010.8	+6	W	4	bc	48	95	4	-	-	0	A Cu	6	6
Southampton (Calshot)	1010.1	+4	W'S	3	od	44	85	8	1500	St	10	-	10	0
Dungeness	1008.1	+4	W	5	c	45	92	4	4000	Cu Nb	8	-	8	5
Guernsey	1014.5	+3	W	5	oPR	44	94	4	1500	Nb	10	-	10	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 19th

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 18th-19th. °F.	Temperature. Max. Day. 19th. °F.	Rainfall.† Night 17h.-9h. 18th-19th. mm.	Rainfall.† Day 9h.-17h. 19th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 19th. hr.
Douglas	cbbc	cbirq	42	46	-	2		1.8
Montrose	cz	czo	37	44	4	-		0.5
Berwick-on-Tweed	p.prz	cbcr	36	45	3	0.1		0.9
Llandudno	ccb	cbdcr	43	48	2	0.4		3.6
Colwyn Bay	cp	cr	42	50	3	1		3.5
Rhyl	cbc	bcqro	42	49	2	0.6		4.1
Southport	cobc	bbcor	40	47	3	1		2.2
Blackpool	roc	or	42	47	4	1		2.2
Ilkley	omro	ocbcc	40	46	2	2		1.5
Harrogate	rcbc	bcc	31	46	1	0.4		1.9
Skegness	oroc	cbc	41	48	-	2		2.1
Aberystwyth	roc	o	44	47	6	-		1.3
Bath	cbcb	tirhc	44	50	12	3		3.1
Leamington Spa	cbcor	bc	39	47	4	0.2		1.7
Lowestoft	roc	cbcor	42	48	4	0.6		2.4
Felixstowe	omrbc	bcop	40	49	2	1		3.9
Southend	oPbc	bcPc	42	48	5	2		4.5
Ilfracombe	bbccopt	o	44	49	5	2		0.9
Bude	bcprh	prhcc	45	50	19	4		3.6
Torquay	b	pbcpc	44	51	10	1		5.1
Weymouth	bbc	pbcc	44	51	5	0.2		4.4
Bournemouth	b	b	43	50	3	-		5.2
Portsmouth (S'thsea)	orbb	bcpb	45	41	5	0.3		5.3
Littlehampton	bc	bcph	45	47	7	3		4.2
Worthing	bc	bcpb	45	48	9	0.3		4.7
Brighton	r	bc	46	48	10	0.6		4.0
Eastbourne	rocbc	bccirc	47	50	9	0.4		4.3
Hastings	opcb	bbcopc	45	50	10	1		4.0
Folkestone	t	r	9	9	6	3		3.8
Dover	orqcb	bbccq	46	50	7	3		3.9
Tunbridge Wells	obc	bcfor	46	51	5	0.5		3.7
Ramsgate	cbc	bcrc	45	50	3	2		3.6
Margate	ocb	bor	46	52	3	1		4.0
Deal	rcbc	bbcc	46	47	2	trace		3.5

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22705 Monday, 21st January 1924.

Observations at 1300 G.M.T. 20th

Stations. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Low Form	Low Amt. 0–10	Upper Form.	Total Amt. 0–10	State of ground.
Lerwick	999·8	+3	NW	1	c	41	75	7	5700	StCu	5	A.Cu	7	•
Stornoway	1004·7	+4	WSW	1	bc	45	75	8	4000	Cu	4	-	4	•
Wick	1007·3	+5	WNW	3	bc/h	41	92	8	2500	CuNb	6	-	6	•
Castlebay	1007·7	+4	WSW	3	c·	45	85	8	4000	StCu	7	-	7	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1005·0	+5	W'N	2	b	43	85	8	-	-	0	-	0	1
Malin Head	1009·1	+4	WSW	2	bc+	47	85	8	4000	Cu	1	CiCu	5	•
Renfrew	1008·7	+4	W	3	o/r	45	85	7	4000	StCu	8	Ci	9	2
Edinburgh (Inchkeith)	1006·7	+7	WSW	4	b	43	75	7	•	-	0	CiSt	3	•
Leuchars	1006·1	+6	WSW	4	bc	43	75	8	7200	StCu	3	Ci	4	1
Eskdalemuir	1009·3	+6	W	4	c	43	75	7	2500	StCu	7	Ci	8	2
Tynemouth	1007·8	+5	W	3	b	44	75	7	-	-	0	-	0	•
Blacksod Point	1009·8	0	S'E	4	c	43	85	8	•	•	•	•	7	•
Donaghadee	1011·0	+3	W	2	b-	46	97	9	-	-	0	CiSt	3	•
Birr Castle	1011·4	•	SW	1	c+	48	92	9	4000	Cu	6	A.Cu	8	•
Holyhead	1012·4	+2	W	2	b	49	85	6	2500	Cu	1	CiSt	3	1
Liverpool (Bidston)	1011·3	+5	W	4	b	45	92	8	-	-	0	CiCu	3	•
Chester (Shotwick)	1012·0	+6	W	5	b+	48	75	8	4000	Cu	1	Ci	2	1
Spurn Head	1008·2	+6	WNW	6	bc	41	92	7	-	-	0	Ci	4	:
Birmingham (Edgbaston)	1012·8	+5	NW	4	c-	46	75	8	4000	Cu	8	-	8	2
Nottingham	1011·0	+5	WNW	3	oc	46	85	6	2500	Cu	1	Ci	4	•
Cranwell	1010·5	+5	WNW	5	bc	45	85	6	-	-	0	Ci	4	1
Gorleston	1009·7	+2	WNW	4	bc	46	75	6	4000	Cu	4	-	4	•
Valencia (Cahirciveen)	1012·2	-1	S	3	c	51	75	8	2500	Cu	5	:	5	1
Roches Point	1012·6	+1	SW	2	c	50	85	8	-	-	0	Ci	7	•
Pembroke (St. Ann's H.)	1014·5	+3	W	3	c	47	92	8	2500	Cu	7	•	7	•
Ross-on-Wye	1013·2	+4	WNW	3	bc-	45	65	9	4000	Cu	5	Ci	6	1
Leafield														
Andover	1013·3	+3	W	4	bc-	49	75	8	2500	Cu	1	CiCu	4	1
S. Farnborough	1013·1	+4	W'N	3	c+	51	75	8	2500	StCu	5	CiSt	8	2
London (Kew Obsy.)	1013·3	+4	WNW	3	o+	49	65	6	4000	Cu	8	A.Cu	9	1
Croydon	1013·2	+4	NW'W	3	o+	49	65	6	2500	Cu	9	-	9	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1011·9	+3	SW	1	o+	49	65	7	2500	Cu	8	CiSt	9	•
Grain	1012·7	+4	W'N	4	o+	48	75	5	2500	CuNb	7	Ci	9	2
Lympne	1013·0	+3	WNW	4	o	48	75	9	1500	St	8	CiSt	9	1
Scilly (St. Mary's)	1016·3	+2	W	2	b	51	85	8	4000	StCu	2	Ci	3	•
Falmouth (Pendennis)	1017·4	+4	WNW	4	bc	49	75	8	4000	CuNb	6	•	6	•
Plymouth (Cattewater)	1016·3	+2	W	3	o/r	50	75	7	2500	StCu	10	•	10	1
Portland Bill	1014·5	+4	W	4	c+	48	85	7	4000	Cu	3	A.Cu	8	•
Southampton (Calshot)	1014·5	+4	W'N	4	c·	50	75	8	4000	Cu	3	CiSt	7	0
Dungeness	1012·6	+3	W	4	c	47	85	7	4000	Nb	3	Ci	9	•
Guernsey	1017·2	+2	W	3	bc-	49	85	7	4000	Cu	3	Ci	6	•

Observations at 1800 G.M.T. 20th

Stations.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud Low Height Feet	Low Form	Low Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea. 0–9
Lerwick	1003·9	+5	NW	1	b·	40	85	7	4000	Cu	2	-	2	0
Stornoway	1007·6	+3	W	1	b	37	85	7	4000	Nb	2	A.Cu	3	1
Wick	1005·6	+4	WNW	1	b	35	92	8	4000	Cu	2	-	2	0
Castlebay	1009·1	+3	NNE	1	b	42	85	8	4000	Cu	1	-	1	2
Nairn	1008·6	•	W	2	bc	39	95	8	1500	St	6	-	6	•
Aberdeen	1008·7	+5	W'S	2	b·	39	85	8	4000	StCu	1	-	1	1
Malin Head	1010·1	+1	SE	1	b	41	97	8	5700	StCu	2	-	2	2
Renfrew	1011·1	+4	WSW	3	bc/r	40	92	4	-	-	0	A.Cu	5	•
Edinburgh (Inchkeith)	1010·2	+4	W	2	b+	41	85	6	•	-	0	CiSt	3	1
Leuchars	1009·2	+5	W	2	b-	35	85	8	-	-	0	Ci	3	4
Eskdalemuir	1012·1	+3	W	2	b/r	38	85	8	2500	StCu	3	-	3	•
Tynemouth	1011·3	+2	W	1	b	40	92	6	-	-	0	-	0	0
Blacksod Point	1008·6	0	SSE	4	o	46	92	7	•	•	•	•	10	5
Donaghadee	1012·7	+1	-	0	b-	40	97	8	-	-	9	-	0	2
Birr Castle	1011·4	•	SE	1	o+	44	92	6	4000	Cu	4	A St	10	•
Holyhead	1013·6	+1	-	0	b	43	97	6	-	-	0	A.Cu	2	1
Liverpool (Bidston)	1014·0	+2	WSW	2	b	41	85	7	4000	Cu	2	-	2	3
Chester (Shotwick)	1014·1	+3	-	0	b·	35	92	8	1500	St	1	-	1	•
Spurn Head	1013·2	+6	W	3	b	40	92	7	-	-	0	-	0	1
Birmingham (Edgbaston)	1015·0	+3	WSW	3	b	43	75	4	-	-	0	A.St	1	•
Nottingham	1013·9	+4	W	2	b	41	92	5	-	-	0	-	0	•
Cranwell	1014·7	+6	W	3	b-	38	92	6	-	-	0	CiSt	1	•
Gorleston	1014·7	+2	W'S	3	bc+	40	92	6	4000	Cu	5	-	5	0
Valencia (Cahirciveen)	1008·8	-4	SE'S	5	o/r	48	85	7	2500	StCu	6	A.St	10	4
Roches Point	1012·4	0	SW	3	o	48	97	8	4000	St	10	-	10	3
Pembroke (St. Ann's H.)	1015·5	+1	SW	3	c+	46	92	8	4000	StCu	8	-	8	4
Ross-on-Wye	1015·3	+2	SW	2	bc-	44	85	8	4000	StCu	4	A.Cu	5	•
Leafield	1015·2	+6	W	2	b	40	92	8	-	-	0	A.Cu	2	•
Andover	1016·0	+2	SSW	2	b·	41	92	8	-	-	0	-	0	*
S. Farnborough	1015·5	+2	W	2	b-	39	97	7	-	-	0	A.Cu	3	•
London (Kew Obsy.)	1016·0	+3	SW	1	bcw	45	83	5	-	-	0	A.Cu	4	•
Croydon	1015·9	+3	SW'W	2	b	41	85	6	-	-	0	CiCu	2	•
Clacton-on-Sea	1014·8	+3	W	2	bc	41	85	6	2500	St	4	-	4	0
Shoeburyness	1015·8	+3	-	0	b·	39	85	7	2500	Cu	1	-	1	•
Grain	1016·3	+4	W	3	b·	39	92	6	4000	CuNb	1	-	1	0
Lympne	1016·3	+3	NW'W	3	b●	41	97	6	2500	St	*	A.St	3	•
Scilly (St. Mary's)	1016·2	0	S'W	3	c+	49	97	8	4000	StCu	5	A.St	8	4
Falmouth (Pendennis)	1017·6	0	SW	3	o	47	97	7	4000	StCu	10	-	10	0
Plymouth (Cattewater)	1016·7	+1	WSW	3	bc	47	92	7	-	-	0	CiSt	6	0
Portland Bill	1015·9	+2	W	3	bc-	48	85	7	-	-	0	A.Cu	4	4
Southampton (Calshot)	1016·3	+2	SW	3	c	46	92	8	5700	StCu	6	A.Cu	8	0
Dungeness	1016·8	+4	W	2	b	43	97	7	-	-	0	Ci	2	3
Guernsey	1019·0	+2	W	2	b	46	97	7	4000	Cu	1	CiSt	3	1

London Observations. (Weather and temperature: 24 hours ended 0900 G.M.T. 21st; Kew and Croydon: 24 hours ended 0700)

London Observations.	Height above M.S.L. in feet.	Weather Morning.	Weather Afternoon.	Weather Night.	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	Humidity 9h. G.M.T. % (To-day)	Visibility 9h.
Kew	16	cmbc c	cmbmb	bmwowr	•	•	30	Tr	Tr	4.0	•	•	5
Croydon	244	becom	obcbm	bmom	•	•	36	-	Tr	4.4	•	•	5
Greenwich (Royal Obsy.)	149	o	ocb	bmod	50	38	25	-	Tr	2.3	72	93	4
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.4	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	51	40	3.			2.4	66	92	•
Regent's Pk. (Botanic Gdns).	63	•	•	•	•	•	•	•	•	2.8	•	•	•
Camden Square	110	cbcc	cbcb	•	50	39	34	-	0.3	•	•	94	•
Kensington Palace	80	bc	bc	•	51	42	32	-	0.3	•	(At 18h)	92	•
Hampstead Observatory	450	•	•	•	49	40	*	-	1	4.1	88	98	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 20th

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 20th 14 h. 30 m. to 21st 6 h. 45 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	13 15	5 20	40
δ Ursae Minoris	13 15	5 20	40

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (frozen roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
19h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

21st & 22nd January, 1924.

Stations.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.52 7.51	12.4 12.5	4.16 4.18
Greenwich	7.55 7.54	12.11 12.12	4.27 4.29
Wick	8.42 8.40	12.23 12.24	4.5 4.4
Valencia	8.38 8.37	12.52 12.53	5.6 5.8

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⩌ = lunar halo.
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; − = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

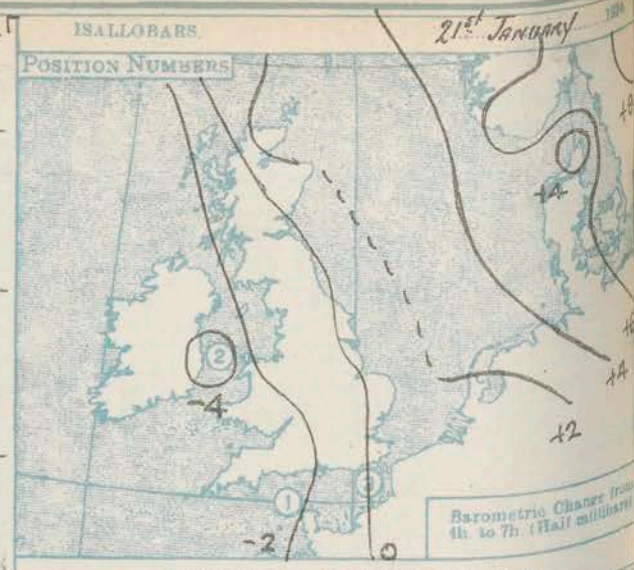
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.
0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

¹ For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 20th	Weather. 13h.-18h. 20th	Weather. 18h. 20th to 1h. 21st	Weather. 1h.-7h. 21st	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun on 20th Hours.
Lerwick	c	bc	c	bc	42	35		-	-	-	-	1·3
Stornoway	pr bc	b-bc	bbc	bcpr	44	28	•	0·3	0·3	-	-	2·3
Wick	cprhq	cprb	bbc	bbc	41	32	•	1	-	1100	-	•
Castlebay	bcobc	cb	bo⊕,⊕	or w	46	38	•	0·5	0·5	-	-	3·4
Nairn	cb	bccdq	bcx	bc	40	29		0·2	-	1530	-	4·6
Aberdeen	ocb	bbcb	b	bmx	43	30	23	-	-	-	-	5·1
Malin Head	p.bc	bce	⊕ co	coir	44	39		Trace	1	L0800	0230	5·0
Renfrew	bcp.o	ocpbc	bcm bf	bcfof	46	31	15	0·4	0·1	1230	0630	3·8
Edinburgh (Inchkeith)	b	b	bcm	dif	44	35		-	-	-	-	•
Leuchars	bbc	bcb	bbx	bxoxm	45	28	15	-	-	-	-	6·1
Eskdalemuir	bococ	cop.b	b4cp.b	bccp.o	44	26	24	0·1	0·4	1630	<2100	3·3
Tynemouth	b-bc	b-bc	bbcm	cm	45	34	32	-	-	-	-	•
Blacksod Point ...	c	c	oo	rd	43	41	•	0·1	5	-	-	•
Donaghadee	bc	bc	od	orq	44	34	•	-	4	-	<2100	•
Birr Castle	co	co	oir	oiro	49	45	36	-	4	-	-	0·6
Holyhead	bccbc	bbcbw	bwcoe	or r.	49	42	34	Trace	11	-	0130	4·9
Liverpool (Bidston) ...	bbc	b	orm		45	39	32	-	4	-	0230	6·9
Chester (Shotwick) ...	b-bc	b-bc	bbco	oorrm	49	33	24	-	5	-	0230	6·3
Spurn Head	c	b-bc	bbc	bcom	42	35		-	-	-	-	6·2
Birmingham (Edgbaston)	bbc	cbc	bcco	corr	49	39	33	-	2	-	0430	3·9
Nottingham	c	c	cb	mbcd	47	34	25	-	0·5	-	0430	2·2
Cranwell	b-bc	b-bc	bbc	coid	46	31	25	-	Trace	-	0530	5·8
Gorleston	bcq	bcb	bx	bcco	47	34	30	-	-	-	-	6·5
Valencia (Cahirciveen)	c	Rooro	omd	opoor	51	44	44	1	12	1730	<2100	3·0
Roches Point	c	co	orr	rrad	50	46	•	-	16	-	<2100	*
Pembroke (St. Ann's H.)	c	c	oo	orr	44	45		-	11	-	0130	2·0
Ross-on-Wye	bcbrcr	cbcrc	bco	or	51	43	36	-	1	-	0530	4·5
Leafield	bc	bc	bcfbc	bcopfq	49	34	*	-	1	-	0430	6·4
Andover	bccbc	bbcb	boo	opdm	50	38	30	-	Trace	-	0630	4·0
S. Farnborough ...	bbcc	cb	bbc	bcbr	51	35	24	-	0·1	-	0630	4·3
London (Kew Obsy.) ...	cmbcc	cmbmbc	bcmbmro	oirorm	50	41	30	Trace	Trace	-	0630	4·9
Croydon	bccom	obcbm	bmo	omm	50	40	36	-	Trace	-	0630	4·4
Clacton-on-Sea ...	bcc	cbc	bm	bogm	48	34	28	-	-	-	-	5·3
Shoeburyness ...	cbcc	cbcb	bxbcc	o	49	31	28	-	-	-	-	5·0
Grain	bboz	ocp	b	bo	50	34	26	-	-	-	-	4·1
Lympne	bcco	bcb	bbcco	omfw	48	34	22	Trace	Trace	-	-	3·0
Scilly (St. Mary's) ...	bc	bc	odq	omrq	52	44	•	-	2	-	<2100	*
Falmouth (Pendennis)	bc	bcco	cofr	cor	52	41		-	1	-	0130	4·2
Plymouth (Cattewater)	bbcop	obbc	bco	rd	51	44	43	Trace	3	L0800	0230	2·3
Portland Bill	c	c	c	oo	50	46		-	Trace	-	0630	
Southampton (Calshot)	od.oc	cbcc	c	oo	50	43	41	Trace	-	L0800	-	2·6
Dungeness	c	b-bc	c	c	44	41		-	-	-	-	
Guernsey	cbcbbc cprc.	bcbw	bbc	cod.o	50	46	•	0·2	0·1	0900	0530	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.
3	20th 0200	Thiepre	WSW	6	bbc	44	48
2	" 1000	Anglia	vr's	4	bc	43	48

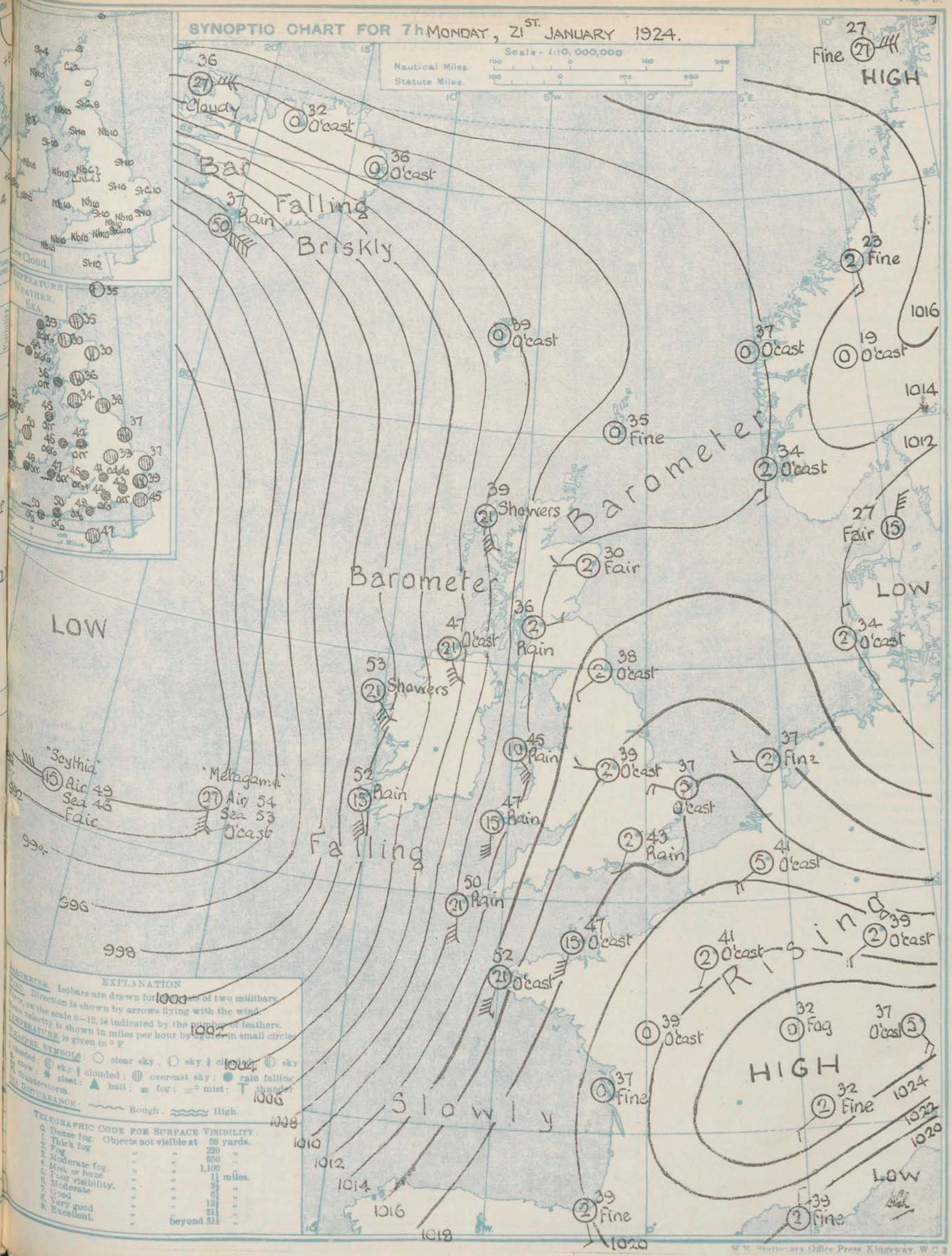
General Inference.

An extensive depression off the west of Ireland is moving East or Northeast. Winds will be southerly with mainly dull, mild weather and some rain in all districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 21st January, 1924.	Further Outlook.
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 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind southerly, fresh or strong; mainly dull, some rain; visibility moderate; mild.	Unsettled generally. --- ∇ South Cone hoisted 1145 G.M.T. 20.1.24.
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland ∇ 20. S.W. Ireland ∇	Wind southerly, fresh or strong veering towards west; cloudy, some rain, improving temporarily later; moderate to good visibility; mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0920 GMT. G. C. Simpson, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Monday, 21st January 1924. No. 21

Observations at 0100 G.M.T. 21st

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1008.6	+4	NW	1	0	40	94	6	5700	St Cu	4	A St	9
Stornoway	51	1010.4	+2	-	0	bc	•	•	6	•	•	•	•	•
Wick	81	1009.6	+3	W	1	b	35	92	8	-	-	0	Ci	2
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1009.6	-2	SE	2	0+	43	92	8	5700	St Cu	2	A St	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1012.2	+4	W	1	mbc	34	94	4	•	-	0	Ci Cu	5
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1014.6	+1	W	1	b	36	92	6	-	-	0	-	0
Blacksod Point ..	10	1003.4	-1	SE'S	4	opr	45	94	3	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1013.2	-1	SSE	3	0	46	92	4	1500	St	10	-	10
Liverpool (Bidston) ...	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick) ...	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1016.3	+3	W	3	bc	36	92	6	-	-	0	A Cu	4
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1016.9	+2	SW'S	2	c+	34	94	6	-	-	0	A Cu	8
Gorleston	13	1017.0	+1	WSW	2	b	35	92	6	-	-	0	-	0
Valencia (Cahirciveen)	30	1002.5	-1	S	4	od	51	94	5	*	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1013.4	0	SSW	3	0	46	94	4	800	St	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough ...	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.) ...	18	•	•	•	•	•	43	•	•	•	•	•	•	•
Croydon	244	1018.2	0	WSW	2	0+	43	85	4	4000	St Cu	10	-	10
Clacton-on-Sea ...	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1018.4	+2	WNW	2	0	40	94	6	2500	St Cu	10	-	10
Scilly (St. Mary's) ...	131	1014.3	-2	S	5	od	43	94	4	4000	NS	10	-	10
Falmouth (Pendennis)	206	1015.8	-2	SW	5	opr	49	85	4	4000	St Cu	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1015.1	0	SW	3	0	48	92	4	-	-	0	A St	10
Southampton (Calshot)	12	1013.4	0	SSW	1	0+	44	94	8	5700	St Cu	9	-	9
Dungeness	21	1013.3	+2	SW	1	0+	43	94	6	-	-	0	A Cu	10
Guernsey														

Observations at 0700 G.M.T. 21st

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1011.8	+2	-	0	b	35	94	4	-	-	0	Ci	1	0
Stornoway	1008.4	-2	SSE	5	pr	39	92	4	800	St	4	-	4	4
Wick	1011.2	+3	SW	1	bc	35	92	8	-	-	0	A St	5	0
Castlebay	1005.0	-3	ESE	5	orr	44	94	4	1500	Nb	10	-	10	6
Nairn	1010.0	•	-	0	bc	30	83	8	4000	Cu	2	A Cu	5	•
Aberdeen	1013.5	0	W	1	bc	30	94	6	-	-	0	A Cu	4	0
Malin Head	1005.2	-2	SSE	5	ofr	44	94	8	4000	Nb	8	A Cu	9	2
Renfrew	1012.1	-1	ENE	1	orr	36	94	5	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1012.5	-1	E	2	c	36	94	8	•	St Cu	8	-	8	1
Leuchars	1012.4	0	-	0	0+	30	94	6	5700	St Cu	10	-	10	•
Eskdalemuir	1013.4	-1	-	0	0	34	85	6	1500	St	10	-	10	•
Tynemouth	1014.3	-1	SW	1	0+	38	94	6	800	Nb	10	-	10	0
Blacksod Point ..	1000.8	-2	SE'S	5	opr	53	92	4	•	•	•	•	10	6
Donaghadee	1010.3	-3	S	4	orr	45	94	6	800	St	10	-	10	4
Birr Castle	1005.2	•	SW	1	0	50	94	4	2500	Nb	10	-	10	•
Holyhead	1010.8	-4	SE'E	3	orr	45	94	6	<150	Nb	10	-	10	3
Liverpool (Bidston) ...	1013.2	-1	ESE	3	orr	42	94	3	1500	Nb	10	-	10	•
Chester (Shotwick) ...	1013.6	-3	SE	3	orr	42	92	4	1300	Nb	10	-	10	•
Spurn Head	1016.1	0	S	1	mwo	34	94	4	1500	St	10	-	10	0
Birmingham (Edgbaston)	1013.4	-1	SSE	3	or	41	94	6	800	St	10	-	10	•
Nottingham	1013.4	-1	W	1	ofr	39	94	5	1500	St	10	-	10	•
Cranwell	1017.3	0	SE	1	od	33	94	5	1500	St	10	-	10	0
Gorleston	1018.3	0	WNW	2	0+	34	92	6	5700	St Cu	10	-	•	•
Valencia (Cahirciveen)	1004.4	-2	SSE	4	orr	52	95	6	450	St	10	-	10	4
Roches Point	1005.4	-2	SSW	4	orr	49	94	5	1500	Nb	10	-	10	5
Pembroke (St. Ann's H.)	1011.6	•	S	4	or	44	94	4	1500	Nb	10	-	10	7
Ross-on-Wye	1014.4	-3	SE'S	3	or+	45	94	6	1500	Nb	10	-	10	•
Leafield	1016.1	-2	E'S	2	odo	41	94	1	<150	St	10	-	10	•
Andover	1016.2	-1	SSE	3	od	45	94	6	1500	St	10	-	10	•
S. Farnborough ...	1014.2	-1	ESE	2	o	44	94	5	800	Nb	10	-	10	•
London (Kew Obsy.) ...	1014.8	-1	~~SSW~~	0	orr	43	94	5	800	Nb	10	-	10	•
Croydon	1014.6	-1	SSW	3	ofr	44	94	5	450	Nb	10	-	10	0
Clacton-on-Sea ...	1017.8	0	E	1	0+	39	94	5	4000	St	10	-	10	•
Shoeburyness	1018.5	0	SW	2	0	42	89	5	1500	St Cu	10	-	10	0
Grain	1018.3	0	S	3	0+	42	92	6	2500	St Cu	10	-	10	•
Lympne	1018.4	+1	SW	2	fo+	42	94	3	1500	St	10	-	10	6
Scilly (St. Mary's) ...	1011.0	-3	S	5	or	50	94	4	4000	Nb	10	-	10	1
Falmouth (Pendennis)	1012.0	-2	SSW	5	or	50	92	4	4000	Nb	10	-	10	0
Plymouth (Cattewater)	1014.4	-2	S	3	orr	49	94	4	800	Nb	10	-	10	1
Portland Bill	1015.1	-2	SSW	3	od	43	92	4	2500	Nb	10	-	10	0
Southampton (Calshot)	1014.2	-2	S	4	o	46	94	5	5700	St Cu	10	-	10	2
Dungeness	1013.8	0	SW	1	0	45	94	4	-	St	10	-	10	5
Guernsey	1014.2	-2	SSW	4	0+	44	94	4	1500	St	10	-		

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 20th

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 19-20 °F.	Temperature. Max. Day. 20 °F.	Rainfall.† Night 17h.-9h. 19-20 mm.	Rainfall.† Day 9h.-17h. 20 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 20 hr.
Douglas.	b	b	40	47	-	-		6.2
Montrose ...	bvb	bcz	35	45	0.1	-		6.0
Berwick-on-Tweed	udpr	bbcb	38	46	3	-		6.2
Llandudno	cb	bcb	46	48	2	-		6.4
Colwyn Bay	bc	bc	43	48	1	-		6.1
Rhyl	bc	bc	38	48	1	-		6.6
Southport	b	b	42	45	1	-		6.2
Blackpool	cb	cbb	42	46	0.2	-		6.4
Ilkley	bcb	bb	39	46	0.5	-		4.4
Harrogate	b	b	37	44	1	-		6.8
Skegness	oc	bb	41	47	-	-		6.0
Aberystwyth ...	ro	cb	45	48	3	-		2.5
Bath	bb	bcc	46	51	-	-		5.5
Leamington Spa ...	bc	bc	42	49	0.2	-		5.9
Lowestoft	b	b	40	47	0.3	-		6.0
Felixstowe	b	b	41	48	0.3	-		6.0
Southend	bbcb	bcb	41	50	-	-		4.7

STATIONS.	Weather. Forenoon.	Weather. Afternoon.	Temperature. Min. Night. 19-20 °F.	Temperature. Max. Day. 20 °F.	Rainfall.† Night 17h.-9h. 19-20 mm.	Rainfall.† Day 9h.-17h. 20 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 20 hr.
Ilfracombe	o	o	47	49	Trace	0.2		0.0
Bude	b	b	46	50	2	-		2.7
Torquay	bcp	cb	46	53	2	0.1		2.3
Weymouth	cc	bc	46	52	-	-		3.2
Bournemouth ...	b	b	45	53	-	-		2.7
Portsmouth (S'thsea)	cc	bcc	47	51	Trace	-		2.0
Littlehampton ...	bc	bc	45	50	0.2	-		1.4
Worthing	bc	bbc	45	50	-	-		2.5
Brighton	bcc	cbc	45	47	0.4	-		1.5
Eastbourne	cb	cb	45	49	0.1	-		2.3
Hastings	ocbc	cbcb	44	50	Trace	-		1.6
Folkestone	bc	bc	45?	50	-	-		1.4
Dover	cbbc	bccbc	44	50	0.4	-		2.4
Tunbridge Wells ...	bcb	ccbc	44	51	1	-		2.7
Ramsgate	bm	bm	43	50	1	-		3.5
Margate	b	bc	42	49	5	-		5.1
Deal	bc	bc	43	47	-	-		4.2

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these stations not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 2

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION: No. B 22/06. TUESDAY, 22ND JANUARY, 1924.

Observations at 1300 G.M.T. 21st

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1014·2	+2	SE	1	c4	41	85	8	-	-	0	C.St	7	•
Stornoway	1006·1	-2	SSE	4	o+	43	92	7	800	St	10	-	10	•
Wick	1010·2	-2	SSE	4	o	42	97	8	5700	St.C.	4	Ci	10	•
Castlebay	1004·9	0	ESE	6	or	45	97	0	800	Nb	10	·	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1013·4	-2	SSE	3	o+	42	92	5	1500	St	10	·	10	1
Malin Head	1002·3	-1	SSE	6	c/r	49	97	8	4000	Nb	7	A.Cu	8	•
Renfrew	1010·6	0	ENE	2	odd	40	97	3	800	Nb	10	·	10	2
Edinburgh (Inchkeith)	1011·4	-2	E	1	o/r	40	92	8	•	StCu	10	·	10	•
Leuchars	1012·1	-2	·	0	o/r	38	97	6	-	-	0	A St	10	1
Eskdalemuir	1013·3	-1	S'E	3	o/r	40	92	6	1500	St	10	·	10	1
Tynemouth	1014·5	0	S	1	fog	41	97	3	1500	St	10	·	10	•
Blacksod Point	999·4	-2	SE'S	5	o-	?	85	6	•	•	•	•	10	•
Donaghadee	1008·6	-1	SSE	4	orr	46	97	7	-	-	0	A St	10	•
Birr Castle	1004·6	*	SE	1	or-	53	97	7	4000	Nb	9	-	9	•
Holyhead	1009·6	-1	SSE	5	or-	48	97	5	223	Nb	10	·	10	2
Liverpool (Bidston)	1011·7	-2	SE	4	or+	45	97	4	1500	Nb	10	·	10	•
Chester (Shotwick)	1012·4	-1	SE	3	orr	46	92	5	800	Nb	10	·	10	2
Spurn Head	1016·8	0	SE'S	3	od+	39	97	3	800	St	10	·	10	•
Birmingham (Edgbaston)	1014·7	-1	S	3	orr	45	97	3	1500	Nb	10	·	10	2
Nottingham	1014·7	-1	SSE	2	orr	45	97	7	1500	Nb	10	·	10	•
Cranwell	1016·4	-2	SSE	3	od	42	97	3	225	St	10	·	10	2
Gorleston	1015·7	0	S	3	fog	40	92	3	1500	St	10	·	10	•
Valencia (Cahirciveen)	1004·6	-6	S'E	6	or	55	85	6	1500	St	5	A St	10	2
Roches Point	1006·5	-1	S	4	orr	50	97	5	800	Nb	10	·	10	•
Pembroke (St. Ann's H.)	1011·3	-1	S	3	fog	47	97	2	450	Nb	10	·	10	•
Ross-on-Wye	1013·0	-1	S'E	2	orr	48	92	6	1500	Nb	10	·	10	2
Leafield	1015·1	-1	S	2	orr	50	97	5	225	St	10	·	10	2
Andover	1015·7	-1	SSE	3	orr	46	97	6	800	Nb	10	·	10	2
S. Farnborough	1016·7	-2	SSE	3	orr	46	97	5	450	Nb	10	·	10	2
London (Kew Obsy.)	1016·7	-4	S'W	3	orr	47	92	5	1500	Nb	10	·	10	2
Croydon	1017·1	-2	S	3	odd	47	97	5	450	Nb	10	·	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1017·5	-1	SSW	3	odd	45	92	6	800	Nb	10	·	10	•
Grain	1018·3	-1	S	3	or	46	97	6	800	St	10	·	10	2
Lympne	1018·3	-1	SSW	3	od	45	97	6	450	Nb	10	-	10	2
Scilly (St. Mary's)	1011·0	0	S'E	4	or	51	97	6	4000	Nb	10	-	10	•
Falmouth (Pendennis)	1011·9	0	SW	5	orr	50	97	7	4000	Nb	10	·	10	•
Plymouth (Cattewater)	1014·0	-1	S	4	orr	49	97	6	450	Nb	10	·	10	2
Portland Bill	1016·0	0	SSW	3	orr	48	92	7	2500	Nb	10	·	10	•
Southampton (Calshot)	1016·3	-1	S	3	orr	47	97	6	800	Nb	10	·	10	1
Dungeness	1019·2	0	SW	2	o	46	97	7	-	-	0	A St	10	•
Guernsey	1016·5	-1	S	4	o/r	48	97	7	2500	St.C.	9	-	9	•

Observations at 1800 G.M.T. 21st

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1014·1	0	SSE	2	bc	*42	85	7	-	-	0	Cst	4	1
Stornoway	1003·0	-4	SSE	3	o	45	92	7	800	St.	10	-	10	2
Wick	1008·0	-2	S	4	o	42	97	7	800	St	4	Ci.Cu	9	3
Castlebay	1001·3	-4	ESE	5	oprs	46	85	6	1500	St	10	-	10	7
Nairn	1007·1	•	-	0	cdo	44	85	8	4000	Cu	8	-	8	•
Aberdeen	1012·5	-1	SE	4	or	43	97	5	1500	Nb	10	-	10	0
Malin Head	1000·9	-2	SSE	5	or	52	92	8	4000	Nb	8	A.Cu	10	3
Renfrew	1009·5	-1	ENE	2	o/r	41	97	4	1500	St.	10	-	10	•
Edinburgh (Inchkeith)	1010·5	-1	E	1	orr	40	97	7	•	Nb	10	-	10	0
Leuchars	1010·6	-1	-	0	or	40	97	4	1500	Nb	10	-	10	•
Eskdalemuir	1011·1	-1	S	2	orr	43	97	4	800	Nb	10	-	10	•
Tynemouth	1013·2	-1	SSE	2	odd	42	97	5	800	Nb	10	-	10	1
Blacksod Point	994·9	-3	SSE	6	o	56	75	7	•	•	•	•	10	6
Donaghadee	997·6	0	SSE	2	mmo	47	97	5	-	-	0	A St	10	3
Birr Castle	1001·5	•	SE	3	c-	53	85	6	2500	Cu	7	-	7	•
Holyhead	1009·1	0	SE'S	4	or	49	97	6	225	Nb	10	-	10	4
Liverpool (Bidston)	1010·9	-0	SE	4	o/r	46	97	4	1500	Nb	10	-	10	4
Chester (Shotwick)	1011·3	-1	SE	2	orr	47	97	5	800	Nb	10	-	10	•
Spurn Head	1015·0	+2	SE	5	FFo	46	97	1	450	St.	10	-	10	4
Birmingham (Edgbaston)	1013·5	0	S	3	orr	47	97	4	1500	Nb	10	-	10	•
Nottingham	1013·9	-1	SSE	1	odd	46	97	6	1500	St.	10	-	10	•
Cranwell	1015·2	-1	SSE	3	orr	44	97	4	450	Nb	10	-	10	•
Gorleston	1016·8	0	SSE	3	orr	40	97	6	2500	Nb	10	-	10	0
Valencia (Cahirciveen)	994·6	-2	SSE	7	or	53	85	6	800	St.	10	-	10	6
Roches Point	1004·8	-4	SSE	6	o	50	92	7	2500	St.	10	-	10	6
Pembroke (St. Ann's H.)	1010·2	-1	SSE	4	or-	48	97	6	1500	Nb	10	-	10	6
Ross-on-Wye	1010·9	0	SSW	2	odd	49	97	6	1500	Nb	10	-	10	•
Leafield	1014·1	-3	S	2	orr	45	97	5						•
Andover	1014·9	-1	S'E	3	orr	46	97	6	800	Nb	10	-	10	4
S. Farnborough	1015·6	-2	S	4	orr	46	97	5	450	Nb	10	-	10	•
London (Kew Obsy.)	1015·9	-1	SSW	3	orr	46	97	5	1500	Nb	10	-	10	•
Croydon	1016·4	-1	S'W	4	orr	45	97	6	450	Nb	10	-	10	•
Clacton-on-Sea	1017·5	0	SE	3	orr	41	97	5	1500	St	10	-	10	0
Shoeburyness	1017·3	-1	SW	4	orr	44	92	7	450	Nb	10	-	10	•
Grain	1017·5	-1	S	4	orr	45	97	6	450	Nb	10	-	10	0
Lympne	1018·0	0	S	3	orr	45	97	3	450	Nb	10	-	10	•
Scilly (St. Mary's)	1008·0	-2	SSE	5	0	50	92	7	4000	St.C.	10	-	10	5
Falmouth (Pendennis)	1011·9	0	S	4	o/r	50	92	7	4000	St.C.	9	-	9	0
Plymouth (Cattewater)	1013·4	0	S	3	odd	49	92	8	800	Nb	7	A.St	10	1
Portland Bill	1016·0	0	SSW	2	orr	48	92	6	2500	Nb	10	-	10	4
Southampton (Calshot)	1016·1	-1	SSE	4	orr	46	97	7	800	Nb	10	-	10	0
Dungeness	1018·4	0	SSW	2	orr	46	97	6	4000	Nb	10	-	10	2
Guernsey	1015·7	-1	S	5	odd	48	97	6	1500	St.	10	-	10	5

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset. hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 22								YESTERDAY.		TO-DAY.	
Kew	18	[illegible]	[illegible]	[illegible]	•	•	[illegible]	0	6	0·0	•	•	6
Croydon } 24 hours ended 0700	244	[illegible]	[illegible]	[illegible]	•	•	42	0	0	0·0	•	•	6
Greenwich (Royal Obsy.)	149	[illegible]	[illegible]	[illegible]	49	44	39	6	4	0·0	94	93	5
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0·0			•
Westminster (St. James' Pk.)	27	•	•	•	43	46	43	14		0·0	93	85	•
Regent's Pk. (Botanic Gdns.)	48	•	•	•	•	•	•	•	•	0·0	•	•	•
Camden Square	119	OVC	or	•	48	44	42	6	4	•		88	•
Kensington Palace	86	[illegible]	[illegible]	•	48	[illegible]	42	6	8	•	At 18 52	86	•
Hampstead Observatory	450	•	•	•	46	44	39	10	3	0·0		91	•

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 21st

South Kensington

Max.	Time.	Min.	Time.
1·0	23h 1100	0·3	21h 0900
1·0	23h 0900		

Kew Observatory

Max.	Time.	Min.	Time.
0·5	15h 1500	0·3	21h 0500
0·4	23h 0900		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 21st 17h 30m. to 22nd 6h 45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 13	NIL	0
δ Ursae Minoris	13 13	NIL	0

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1600 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.†

Time.	Type.	No. per 4 sec.	Stren.	Direc.
1300	-	-	-	-
1500	-	-	-	-
1700	-	-	-	-
1900	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

21st to 27th JANUARY, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·51	12·5	4·13
	7·50	12·5	4·20
Greenwich	7·34	12·12	4·19
	7·33	12·12	4·31
Wick	8·40	12·24	4·4
	8·37	12·24	4·9
Valencia	8·21	12·33	5·10
	8·16	12·33	5·11

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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 c indicates slight; repetition of letters indicates continuity.
R = heavy rain. ro = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). { before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.

With present weather, is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b8/r = fair weather after rain; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

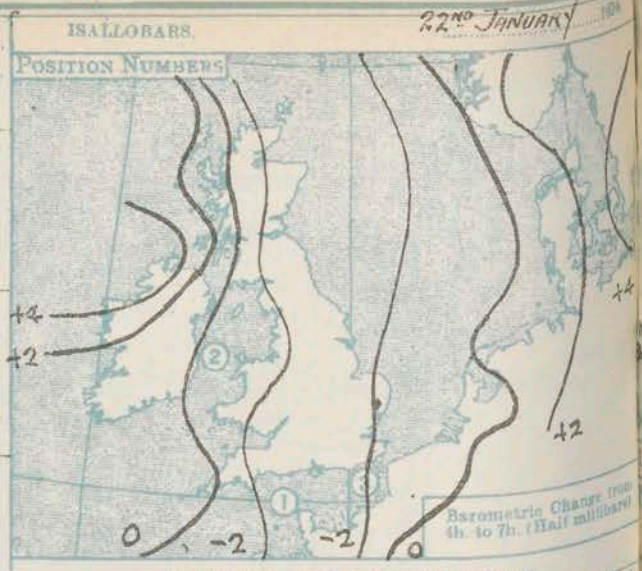
0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

† For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3.

M.O. Form 2370.

Summaries for the Past 24 Hours.

Stations.	Weather. 7h.-13h. 21st	Weather. 13h.-18h. 21st	Weather. 18h. 21st to 1h. 22nd	Weather. 1h.-7h. 22nd	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 21st Hours.
Lerwick	bc	bc	og	omrq	43	41	.	-	0.4	-	0230	1.5
Stornoway	p	oo	p	oo	45	44	.	0.3	1	-	-	0.0
Wick	oo	oo	oog	or	42	42	.	-	3	-	0230	.
Castlebay	ror	rop	op	opo	46	45	.	1	1	-	-	0.0
Nairn	bccg	cd	co	cpq	44	44		1	3	1530	<2100	0.0
Aberdeen	cfom	omrm	mr	orr	43	42	41	0.2	4	1630	<2100	0.0
Malin Head	coir	coir	irom	rco	52	44	.	3	1	0800	<2100	0.0
Renfrew	orrfd	ododm	orrf	orr	41	41	40	3	4	0800	<2100	0.0
Edinburgh (Inchkeith)	pro	oro	rrmrn	rr	41	39		1	6	0800	<2100	0.0
Leuchars	dmr	rodm	mo	orrm	40	40	38	1	6	1230	<2100	0.0
Eskdalemuir	PRo	ormdm	odmor	orm	43	41	41	3	8	1230	<2100	0.0
Tynemouth	off	omdod	mdd	orr	43	42	41	0.2	3	1330	<2100	.
Blacksod Point	oo	c	rd	p	?	?	.	1	1	-	-	.
Donaghadee	or	ofd	od	or	48	44	.	4	4	0900	<2100	.
Birr Castle	corrc	oRR	coir	co	54	43	35	7	0.3	0800	<2100	0.0
Holyhead	rrrm	irrm	ir	ordd	49	44	46	8	4	0800	<2100	0.0
Liverpool (Bidston)	odrm	or	bcor		48	42	39	5	6	0800	<2100	0.0
Chester (Shotwick)	orrm	orrm	orrm	oprqdom	47	44	44	9	6	0800	<2100	0.0
Spurn Head	odd	odfd	rfo	fdmfD	41	38		3	3	0800	<2100	0.0
Birmingham (Edgbaston)	orrf	orrm	orrm	oom	47	43	42	10	3	0800	<2100	0.0
Nottingham	mro	rd	dd	dro	46	43	43	4	3	0800	<2100	0.0
Cranwell	odmf	frdr	rdm	odirm	44	43	43	3	2	0800	<2100	0.0
Gorleston	odffe	ffodr	omd	orrm	44	39	39	3	4	0800	<2100	0.0
Valencia (Cahirciveen)	oir	ooir	og	oopo	56	45	42	8	1	0800	<2100	0.0
Roches Point	rfrom	rro	dd	o	51	46	.	7	0.6	0800	<2100	.
Pembroke (St. Ann's H.)	rd	rd	orr	rd	44	44	.	14	9	0800	<2100	0.0
Ross-on-Wye	Rorr	rrrod	drro	oco	49	46	43	11	1	0800	<2100	0.0
Leafield	rrffo	for	orr	orcor	45	43	.	11	4	0800	<2100	0.0
Andover	orrm	orrm	orrddm	oopr	46	44	42	16	5	0800	<2100	0.0
S. Farnborough	rorr	oorr	or	oro	46	45	41	9	9	0800	<2100	0.0
London (Kew Obsy.)	omir	oir	orrm	orm om	48	45	42	8	6	0800	<2100	0.0
Croydon	omdd	oddrm	omrr	opr	47	45	42	5	5	0800	<2100	0.0
Clacton-on-Sea	ogmr	ogmr	ogmr	ogd	42	41	41	7	8	0900	<2100	0.0
Shoeburyness	odd	ododrm	orr	orr	46	42	42	7	6	0900	<2100	0.0
Grain	opro	orr	orr	orro	46	43	43	7	4	0900	<2100	0.0
Lympne	ofmr	ofr	ofmr	oram	45	45	43	5	4	0900	<2100	0.0
Scilly (St. Mary's)	omrq	omir	omrq	omr	51	48	.	4	4	0800	<2100	.
Falmouth (Pendennis)	cor	corco	co	cor	51	49	.	3	1	0800	0230	0.0
Plymouth (Cattewater)	orr	ord	od	odr	50	49	45	20	1	0800	<2100	0.0
Portland Bill	r-d	r-d	c	p	48	46	.	9	3	0800	<2100	.
Southampton (Calshot)	oofmdo	orrr	orro	oo	47	45	43	9	2	0800	<2100	0.0
Dungeness	oo	r-d	rd	p	49	45	.	4	2	1430	<2100	.
Guernsey	odo	odododo	oco	oo	48	49	.	1	Trace	1100	-	.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	21st 1000	ANGLIA	SSW	4	C	45	49	8
3	22nd 0200	DIEPPE	SW	2	0	49	49	

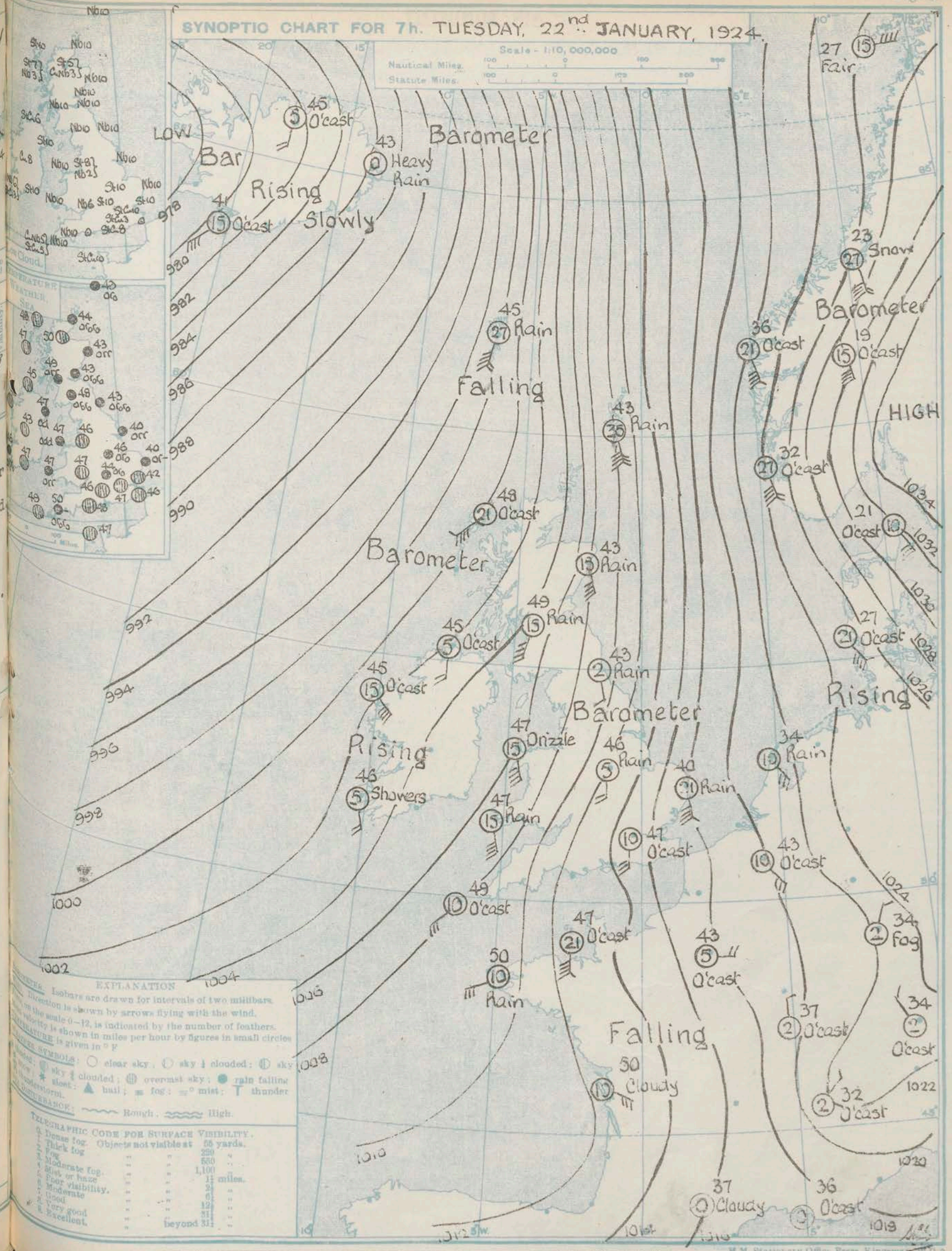
GENERAL INFERENCE.

An anticyclone is centred over the Baltic and pressure is low over the Atlantic N.W. of Ireland. Winds will be from a southerly point with generally improving weather and a lower temperature though some further rain is probable in most districts today.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 22nd January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind S. to S.E., moderate or fresh; perhaps some drizzle at first, mainly fair later; colder; visibility moderate.	S.E. to S. winds; colder.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands	Wind S. moderate; some rain or drizzle at first, improving later; moderate visibility; somewhat colder.	
10. N.E. England 11. E. Scotland	Wind S. to S.E., fresh, strong locally; cloudy, some rain or drizzle at first, improving later; moderate visibility; colder.	South Cone hoisted 0915 GMT. 22.1.24.
12. S.W. Scotland 13. Isle of Man	As 5 - 9.	
14. N. & N.W. Scotland	Wind southerly, gale probable N.E. coasts; cloudy, occasional rain; moderate visibility; colder.	
15. Hebrides	As 5 - 9.	
16. Orkneys and Shetlands	Wind strong to gale, southerly; cloudy, occasional rain; moderate visibility; colder.	
17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind southerly, moderate; mainly cloudy, occasional rain or drizzle; moderate visibility moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0950 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

M.O. Form 2370

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday, 22nd January 1924. No. 22.

Observations at 0100 G.M.T. 22nd

Stations	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility 0–9	Cloud Height Feet	Low Form	Low Amt. 0–10	Upper Form	Total Amt. 0–10
Lerwick	54	1011.8	-2	SE	5	0	43	85	6	-	-	0	A St	10
Stornoway	51	1000.1	-3	SSE	3	cot	•	•	5	•	•	•	•	•
Wick	81	1006.0	-2	SSE	6	0	44	94	4	800	St	10	·	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	998.1	-1	SSE	5	or₀	51	92	4	4000	Nb	4	A St	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1008.1	-3	ESE	2	orr	42	94	6	•	Nb	10	-	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1011.4	-3	SSE	2	orr₀₀	43	94	6	800	Nb	10	-	10
Blacksod Point	10	994.6	-15	NW	5	o/r	48	85	5	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1006.4	-2	SSE	5	or₀	51	92	4	1500	StCu	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1014.0	0	SE	4	FFo	40	94	1	<150	St	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1014.3	-1	SSE	3	od₀d₀	44	94	5	800	St	10	-	10
Gorleston	13	1015.1	0	S	3	odd	40	94	5	1500	Nb	10	-	10
Valencia (Cahirciveen)	30	1001.9	+4	NE	3	0-	44	94	9	+	StCu	9	..	9
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	140	1004.8	-2	SSE	5	orr	44	94	4	1500	Nb	10	-	10
Ross-on-Wye	225	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	15	•	•	•	•	•	44	•	•	•	•	•	•	•
Croydon	244	1016.0	-1	S	3	o/r	45	94	4	800	StCu	10		10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1014.2	-1	S'E	4	or₀	44	94	5	450	Nb	10		10
Scilly (St. Mary's)	131	1004.6	-1	S'E	5	or₀r	51	94	6	4000	Nb	10		10
Falmouth (Pendennis)	200	1009.4	-2	SSW	4	0	50	85	4	4000	StCu	10	-	10
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1012.3	-4	S	4	or	48	92	4	1500	Nb	10		10
Southampton (Calshot)	12	1015.2	-2	SE	3	o/r	46	92	4	1500	St	4	A Cu	10
Dungeness	21	1014.3	-1	SSW	3	od₀	46	94	6	4000	Nb	10		10
Guernsey														

Observations at 0700 G.M.T. 22nd

Stations	Barom. at M.S.L. mb.	Change in 3 Hours	Wind Direc.	Wind Force 0–12	Weather	Temp. °F.	Humidity %	Visibility 0–9	Cloud Height Feet	Low Form	Low Amt. 0–10	Upper Form	Total Amt. 0–10	Sea 0–9
Lerwick	1010.6	-3	SSE	4	or₀	45	94	6	4000	Nb	10	-	10	6
Stornoway	998.9	+2	SW	5	0°	48	92	4	800	St	10	-	10	4
Wick	1005.5	-3	SSE	6	or₀r	44	94	4	1500	Nb	10	-	10	6
Castlebay	1000.4	+2	W	2	o/r	44	85	4	1500	St	10	-	10	3
Nairn	1002.6	-2	SW	3	c	50	85	8	1500	St	8	-	8	·
Aberdeen	1004.9	-3	SSE	4	orr	45	94	6	1500	Nb	10	-	10	4
Malin Head	1001.8	+4	S	2	0-	45	92	8	5400	StCu	6	Ci Cu	9	2
Renfrew	1004.6	-2	SSW	4	orr	49	92	5	1500	Nb	10	-	10	·
Edinburgh (Inchkeith)	1005.4	-3	ESE	2	orr	43	94	4	•	Nb	10	-	10	1
Leuchars	1005.6	-4	SSE	3	orr	44	94	6	1500	Nb	10	-	10	·
Eskdalemuir	1006.4	0	S	3	or₀r₀	48	92	3	1500	Nb	10	-	10	·
Tynemouth	1009.2	-2	SSE	1	or₀r₀	43	94	6	800	Nb	10	-	10	2
Blacksod Point	1001.9	+4	SE/S	4	0	45	85	4	•	•	•	•	10	4
Donaghadee	1004.9	0	SSW	2	od-	44	94	6	800	St	10	-	10	2
Birr Castle	1004.1	•	SSE	1	c+	43	94	6	4000	Cu	8	-	8	·
Holyhead	1006.0	-1	SSE	4	odd	44	94	4	<150	Nb	10	-	10	3
Liverpool (Bidston)	1004.9	-1	SE/E	4	o/	46	94	6	2500	St	10	-	10	5
Chester (Shotwick)	1008.4	-1	SSE	3	0	44	92	5	1500	St	10	-	10	·
Spurn Head	1012.6	-2	SE	5	or/	40	94	6	2500	Nb	10	-	10	4
Birmingham (Edgbaston)	1011.0	-2	SSE	3	0-	45	92	5	2500	Nb	5	A St	10	·
Nottingham	1011.8	-2	S	2	or	46	92	5	1500	St	10	-	10	·
Cranwell	1012.3	-2	SSE	4	or	44	94	5	800	Nb	10	-	10	·
Gorleston	1014.6	0	SE	5	or-	40	94	4	2500	Nb	10	-	10	0
Valencia (Cahirciveen)	1003.0	0	SSE	2	o/r₀	46	92	4	1500	Nb	9	-	9	5
Roches Point	1004.6	0	SW	1	0	44	94	4	1500	St	10		10	1
Pembroke (St. Ann's H.)	1006.3	-2	SSE	4	orr	44	94	4	<150	Nb	10		10	6
Ross-on-Wye	1010.3	-2	SW/S	3	0	44	85	4	2500	Nb	6	A St	10	·
Leafield	1012.6	-2	SE	3	or₀+	44	92	4	1500	St	10		10	·
Andover	1012.5	-2	SE/S	3	o/r	43	92	4	1500	Nb	10	-	10	·
S. Farnborough	1013.6	-1	SSE	2	0-	46	92	6	4000	StCu	3	A St	10	·
London (Kew Obsy.)	1014.3	-2	S	3	o/r	44	85	6	1500	StCu	10	-	10	·
Croydon	1015.5	-1	S/E	3	or₀	46	89	4	1500	Nb	10		10	1
Clacton-on-Sea	1015.8	-2	SE	4	0	42	94	5	2500	St	10	-	10	·
Shoeburyness	1012.4	-1	S/E	5	or₀r₀	44	89	4	1500	Nb	10		10	0
Grain	1014.6	-2	SSE	4	orr	43	92	6	1500	Nb	8	A Cu	10	·
Lympne	1012.2	-1	SSE	3	o/r	43	94	5	800	St	10		10	·
Scilly (St. Mary's)	1001.0	0	SW	3	o/r	49	94	4	4000	CuNb	10		10	6
Falmouth (Pendennis)	1009.2	0	W	3	orr	50	94	4	2700	Nb	10		10	0
Plymouth (Cattewater)	1004.4	-2	SSE	4	orr	50	92	4	800	Nb	10		10	0
Portland Bill	1012.3	-2	S	4	o/-	45	89	4	-	-	0	A St	10	4
Southampton (Calshot)	1015.3	-3	SSE	4	0	45	92	6	2700	StCu	8	A St	10	3
Dungeness	1016.1	-2	S	2	o/r	46	92	4	-	-	0	A Cu	10	3
Guernsey	1012.2	-2	S	3	0	44	92	4	4000	StCu	10		10	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 21st

Stations	Weather Fore-noon	Weather After-noon	Temp. Min. Night (20th–21st) °F.	Temp. Max. Day (21st) °F.	Rainfall Night 17h.–9h. (20th–21st) mm.	Rainfall Day 9h.–17h. mm.		Sunshine Sunrise to Sunset hr.
Douglas	oρF	oρ₀F	39	45	3	9		0.0
Montrose	ofo	opr-f	29	42	-	1		0.0
Berwick-on-Tweed	zod₀	z f₀c	33	42	0.1	0.1		0.0
Llandudno	odro	do	39	53	6	1		0.0
Colwyn Bay	rc	pc	41	52	6	2		0.0
Rhyl	d₀	d₀	38	50	7	2		0.0
Southport	r	or	36	46	2	6		0.0
Blackpool	or	or	35	46	2	5		0.0
Ilkley	d	f	32	43	trace	1		0.0
Harrogate	ofr	ofrm	34	42	1	1		0.0
Skegness	bcor	or	33	41	0.2	1		0.0
Aberystwyth	ror	o	43	54	3	1		0.0
Bath	RR	rr	41	49	6	13		0.0
Leamington Spa	or	or	34	47	4	7		0.0
Lowestoft	ofr₀	orr	34	43	0.1	3		0.0
Felixstowe	orrr	omr	33	42	-	6		0.0
Southend	mor	oR	37	45	0.2	6		0.0

Stations	Weather Fore-noon	Weather After-noon	Temp. Min. Night (20th–21st) °F.	Temp. Max. Day (21st) °F.	Rainfall Night 17h.–9h. (20th–21st) mm.	Rainfall Day 9h.–17h. mm.		Sunshine Sunrise to Sunset hr.
Ilfracombe	or	or	45	52	5	6		0.0
Bude	r	r	45	52	4	2		0.0
Torquay	r	rcoo	45	50	1	1		0.0
Weymouth	r	r	46	49	0.3	12		0.0
Bournemouth	r	r	43	47	0.3	9		0.0
Portsmouth (S'thsea)	odmo	orfq	45	47	-	8		0.0
Littlehampton	ocor	or	40	46	-	6		0.0
Worthing	or	r₀	41	47	-	4		0.0
Brighton	or	or	42	46	-	7		0.0
Eastbourne	ro	or	43	47	-	2		0.0
Hastings	omdo	od₀r	41	47	0.1	2		0.0
Folkestone	fo	r	38	49	-	3		0.0
Dover	omd₀	d₀or	38	49	-	4		0.0
Tunbridge Wells	odor	or	37	47	trace	3		0.0
Ramsgate	ofco	or	41	46	-	2		0.0
Margate	od	or	39	48	-	2		0.0
Deal	or	or	38	46	-	3		

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 4.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.2270.Y *Wednesday, 23rd January* 1924.

Observations at 1300 G.M.T. 22nd

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1010.6	0	SSE	8	orr	43	97	6	4000	Nb	10	-	10	•
Stornoway	1003.9	+5	SW	2	0	47	97	7	450	St	10	-	10	•
Wick	1004.9	+1	SSE	5	orr	44	97	6	1500	Nb	10	-	10	•
Castlebay	1004.8	+2	-	0	0	47	97	7	2500	St	9	-	9	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1007.7	0	SE	4	orr	44	97	5	1500	Nb	10	-	10	2
Malin Head	1005.2	+3	SSW	2	0	47	92	8	5700	StCu	7	CCu	9	•
Renfrew	1006.6	+2	S	2	orr	47	97	6	800	Nb	10	-	10	2
Edinburgh (Inchkeith)	1006.7	+1	S	1	orr	48	92	7	•	Nb	10	-	10	•
Leuchars	1006.3	0	SSE	2	orr	46	97	6	800	Nb	8	Ast	10	2
Eskdalemuir	1007.5	0	SE	4	orr	45	97	4	225	Nb	10	-	10	2
Tynemouth	1009.6	0	S	2	orr	47	92	5	800	Nb	10	-	10	•
Blacksod Point	1004.9	-2	SE'S	2	0	47	85	8	•	•	•	•	10	•
Donaghadee	1007.2	+3	-	0	c-	48	92	8	-	-	0	Ast	8	•
Birr Castle	1005.5	•	SE	1	or	46	97	7	4000	Nb	9	-	9	•
Holyhead	1007.4	+1	SSW	2	odd	48	97	4	225	Nb	10	-	10	2
Liverpool (Bidston)	1006.7	0	SE	3	orr	46	92	5	1500	Nb	10	-	10	•
Chester (Shotwick)	1009.2	+1	SE	3	or	47	92	6	2500	Nb	10	-	10	2
Spurn Head	1013.2	-1	SE'S	5	or	40	97	6	2500	Nb	10	-	10	•
Birmingham (Edgbaston)	1010.5	-1	SSE	4	or	45	92	5	2500	Nb	10	-	10	2
Nottingham	1011.1	-1	SSE	2	0	49	85	6	1500	St	10	-	10	•
Cranwell	1013.9	0	SSE	4	orr	45	97	6	800	Nb	10	-	10	2
Gorleston	1016.0	-1	SSE	4	odd	41	97	5	4000	Nb	10	-	10	•
Valencia (Cahirciveen)	1006.4	+2	SW	3	b	48	85	8	2500	StCu	2	ACu	3	2
Roches Point	1007.0	+1	SW	3	0-	47	92	8	800	St	5	CuSt	9	•
Pembroke (St. Ann's H.)	1009.2	+2	SSW	3	imo	47	97	6	1500	St	10	-	10	•
Ross-on-Wye	1010.4	0	S	2	orr	47	92	6	1500	Nb	10	-	10	2
Leafield	1011.5	-2	SE	3	or	45	92	6	2500	Nb	8	Ast	10	•
Andover	1011.5	-2	SE	3	or	46	92	7	4000	StCu	5	Ast	10	2
S. Farnborough	1012.3	-2	SSE	4	0	48	85	6	5700	StCu	10	-	10	2
London (Kew Obsy.)	1012.6	-2	SSE	3	0	49	75	6	5700	StCu	10	-	10	1
Croydon	1013.4	-2	SSE	3	0	47	85	6	4000	StCu	10	-	10	2
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1014.6	-1	SE	2	or	44	85	7	1500	StCu	8	Ast	10	•
Grain	1014.3	-2	SSE	4	or	46	85	8	2500	St	10	-	10	2
Lympne	1014.5	-4	SE	4	0	46	85	8	5700	StCu	9	Ast	10	2
Scilly (St. Mary's)	1009.6	+2	SWW	3	0	49	97	7	4000	StCu	3	Ast	10	•
Falmouth (Pendennis)	1010.4	+1	NSW	3	or	50	92	8	4000	StCu	10	-	10	•
Plymouth (Cattewater)	1010.6	+1	SSW	2	orr	48	97	6	225	Nb	10	-	10	2
Portland Bill	1010.5	0	S	4	orr	47	97	6	2500	Nb	10	-	10	•
Southampton (Calshot)	1012.1	-3	ESE	4	or	43	92	7	5700	StCu	10	-	10	1
Dungeness	1014.4	-2	S	3	c-	47	85	7	-	-	0	-	8	•
Guernsey	1011.5	-1	WSW	3	odd	48	97	7	2500	Nb	7	CuCu	10	•

Observations at 1800 G.M.T. 22nd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-5
Lerwick	1011.0	+1	SSE	9	orr	42	97	6	4000	Nb	10	-	10	8
Stornoway	1008.0	+3	-	0	0	43	92	7	800	St	10	-	10	0
Wick	1006.4	+1	SSW	1	o/r	43	97	6	800	St	10	-	10	4
Castlebay	1007.1	+1	NNE	23	5	46	85	7	2500	St	10	-	10	2
Nairn	1005.6	•	-	0	0+	44	92	7	1500	St	9	-	9	•
Aberdeen	1008.8	+2	SSW	3	ofo	44	97	5	1500	Nb	10	-	10	1
Malin Head	1006.6	+1	SSE	1	c	45	92	7	5700	StCu	6	Ast	8	1
Renfrew	1008.6	+4	SW	1	0	46	97	4	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1009.3	+2	W	1	orr	47	85	7	•	Nb	10	-	10	0
Leuchars	1007.4	+2	-	0	ofo	45	97	7	800	Nb	7	Ast	10	•
Eskdalemuir	1009.0	+2	S	1	ofo	44	97	4	225	Nb	10	-	10	•
Tynemouth	1010.2	+2	SSW	1	orr	46	97	5	800	Nb	10	-	10	1
Blacksod Point	1007.6	+2	SSE	2	o/r	44	85	7	•	•	•	•	10	4
Donaghadee	1008.3	+1	-	0	bc-	45	97	7	800	St	3	-	3	2
Birr Castle	1008.5	•	W	1	c-	45	92	6	4000	StCu	8	-	8	•
Holyhead	1009.4	+2	S'E	1	0	47	97	6	450	St	10	-	10	1
Liverpool (Bidston)	1009.8	+1	SE	3	o/r	46	97	6	2500	Nb	10	-	10	3
Chester (Shotwick)	1010.0	+1	SSE	1	ofo	46	92	6	1500	St	10	-	10	•
Spurn Head	1013.2	+1	SE	4	odd	40	97	6	1500	Nb	10	-	10	4
Birmingham (Edgbaston)	1011.7	+1	SSW	2	orr	45	97	4	2500	Nb	10	-	10	•
Nottingham	1011.8	0	SSE	1	orr	45	97	7	1500	St	10	-	10	•
Cranwell	1012.7	0	S'E	2	orr	43	97	6	800	Nb	10	-	10	•
Gorleston	1015.2	0	SE	4	odd	40	97	5	2500	Nb	10	-	10	1
Valencia (Cahirciveen)	1010.2	+7	WSW	2	bc-	45	92	9	2500	StCu	5	-	5	3
Roches Point	1010.3	+3	WSW	2	b-	45	92	8	-	-	0	ACu	1	1
Pembroke (St. Ann's H.)	1011.2	+3	SW	3	c	46	97	7	1500	St	8	-	8	5
Ross-on-Wye	1011.4	+1	S	1	odd	45	97	4	800	Nb	10	-	10	•
Leafield	1012.4	-1	S'W	2	orr	44	97	3	225	St	10	-	10	•
Andover	1011.4	0	NE	1	or-	45	97	5	1500	Nb	10	-	10	8
S. Farnborough	1012.2	0	SE'S	2	ofo	45	97	5	800	Nb	10	-	10	•
London (Kew Obsy.)	1012.7	0	SE	2	orr	46	92	5	2500	Nb	10	-	10	•
Croydon	1013.2	+1	S	2	orr	45	92	6	1500	Nb	10	-	10	•
Clacton-on-Sea	1013.8	-1	ESE	3	odd	43	92	6	4000	St	10	-	10	1
Shoeburyness	1013.2	-2	SE	2	ofo	44	85	7	1500	StCu	10	-	10	•
Grain	1013.4	0	SE	1	o/r	44	92	7	2500	St	10	-	10	0
Lympne	1013.0	0	E'S	4	o/r	45	85	7	4000	StCu	10	-	10	•
Scilly (St. Mary's)	1010.9	+2	SW'W	1	b	47	97	7	4000	Cu	2	-	2	3
Falmouth (Pendennis)	1013.4	+3	W	1	bc-	47	97	8	5700	StCu	5	-	5	0
Plymouth (Cattewater)	1011.7	+1	-	0	0	48	97	7	225	St	10	-	10	1
Portland Bill	1011.1	0	W	2	ORR	47	97	6	2500	Nb	10	-	10	4
Southampton (Calshot)	1011.9	-1	NE	2	orr	45	97	4	1500	Nb	10	-	10	0
Dungeness	1013.3	-1	SSE	3	or	46	92	7	4000	Nb	10	-	10	3
Guernsey	1012.8	+2	WNW	1	orr	47	97	4	800	Nb	10	-	10	1

LONDON OBSERVATIONS.

	Heights above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 Hours ended 0000 G.M.T. 22nd											
Kew	18	omr	omr	ofrom	•	•	42	2	4	0.1	•	•	4
Croydon (24 hours ended 0700)	244	orm	omr	omfrm	•	•	43	1	10	0.6	•	•	3
Greenwich (Royal Obsy.)	149	od	or	orom	48	43	41	1	10	0.0	82	96	3
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	50	45	43	13		0.0	74	94	•
Regent's Pk. (Botanic Gdns.)	83	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	oofo	oor	•	48	42	42	1	12	•	•	98	•
Kensington Palace	80	0	oor	•	49	44	42	0.8	12	•	At 18h 86	100	•
Hampstead Observatory	450	•	•	•	44	42	39	4	10	0.0		96	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1800 G.M.T. 22nd

South Kensington

Max.	Time.	Min.	Time.
0.6	18h. 21m	0.3	24h. 22m
0.6	8h. 22m		

Kew Observatory

Max.	Time.	Min.	Time.
0.3	17h. 21m	0.3	5h. 22m
0.4	8h. – 22nd		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 22nd 14h. 30m. to 23rd 6h. 45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 15	NIL	0
δ Ursae Minoris	13 15	NIL	0

CODE FOR STATE OF GROUND.
0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0700 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
15h.	-	-	-	-
17h.	-	-	-	-
17h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

23rd, 24th January, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.50	12.3	4.16
	7.49	12.3	4.21
Greenwich	7.33	12.12	4.30
	7.32	12.12	4.31
Wick	9.39	12.44	4.8
	9.38	12.44	4.11
Valencia	8.36	12.23	3.10
	8.35	12.23	3.11

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky p passing showers.
q squally 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.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.
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; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

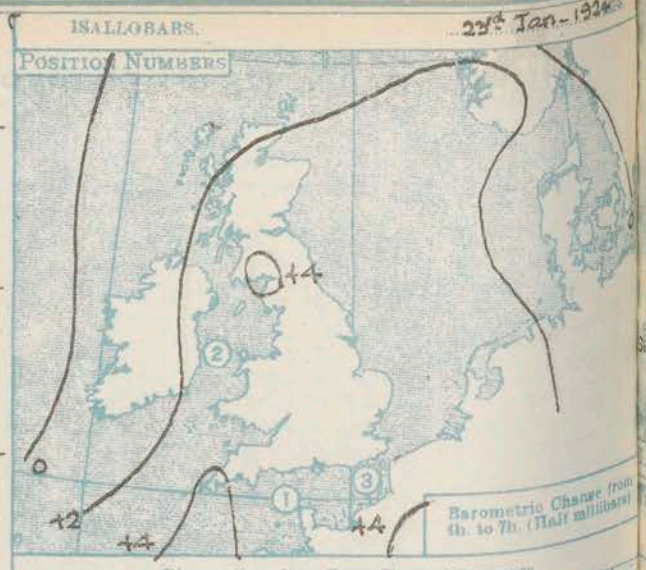
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-72
12	Above 72

SEA DISTURBANCE.
0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 2

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 22nd	13h.-18h. 22nd	18h. 22nd to 1h. 23rd	1h.-7h. 23rd	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 22nd Hours.
Lerwick	omrq	omrq	omrq	omrq	43	40	•	17	10	<0800	<2100	0.0
Stornoway	oo	oc	bbc	cb	48	36	•	-	-	-	-	0.0
Wick	orfo	orr	odd	dao	44	42	•	5	3	<0800	1200	•
Castlebay		ofo	coc	cop b	44	41	•	0.2	Trace	-	-	0.2
Nairn	cdg	como	prcgx	bcx	50	35		0.4	0.5	1100	2200	0.0
Aberdeen	orrm	rofm	rrrm	rrfe	44	43	42	3	4	<0800	<2100	0.0
Malin Head	coc	coec	rrcoe	cobcv	53	34		-	3	-	<2100	0.3
Renfrew	orfo	orfm	omf	ofm	49	42	40	3	-	<0800	-	0.0
Edinburgh (Inchkeith)	rr	rr	rrm	mo	50	43		6	3	<0800	<2100	0.0
Leuchars	orfm	orfm	orr	oof	46	34	31	4	2	<0800	<2100	0.0
Eskdalemuir	odmm	orm	orrmfe	ofef	48	40	40	12	1	<0800	<2100	0.0
Tynemouth	rofm	rofm	orrm	orrm	44	42	42	3	10	<0800	<2100	*
Blacksod Point	oo	r-d	c	c	51	38	•	0.5	0.1	-	-	•
Donaghadee	o	c	c	bpc	48	35	•	0.1	-	<0800	-	•
Birr Castle	coirc	cogr	co	bcx	48	33	26	1	-	0800	•	0.0
Holyhead	dirdm	dmrf	ocbeo	ocbfw	48	35	32	3	-	<0800	-	0.0
Liverpool (Bidston)	porm	od	cb		47	41	32	2	Trace	1230	-	0.0
Chester (Shotwick)	opfo	ofm	opfoom	cbbmf	47	31	25	3	Trace	<0800	<2100	0.0
Spurn Head	r-d	rdoD	odmD	fomrf	41	38		7	14	<0800	<2100	0.0
Birmingham (Edgbaston)	or	orrm	orbem	cobef	46	40	35	10	1	-	<2100	0.0
Nottingham	po	rr	Rrm	rrr	49	43	41	5	5	1330	<2100	0.0
Cranwell	r-d	r-d	rrmf	frfr	45	41	39	2	12	<0800	<2100	0.0
Gorleston	omrd	omd	orr	orr	41	38	34	3	8	<0800	<2100	0.0
Valencia (Cahirciveen)	opnrb	bcobc	b	beco	48	34	31	5	-	<0800	•	3.5
Roches Point	opm	cb	bx	bmc	49	34	•	4	0.3	<0800	-	
Pembroke (St. Ann's H.)	oif	oifo	bcw	offo	48	38	•	1	0.2	<0800	-	0.0
Ross-on-Wye	oiarr	rrdm	dmom	cmbf	48	32	29	11	1	0800	<2100	0.0
Leafield	Roir	fforr	fdo	ocbem	45	38	*	3	2	<0800	-	0.0
Andover	oomr	ororr	orrm	orr bm	46	41	35	2	3	1230	<2100	0.0
S. Farnborough	oomm	orfo	or	orom	48	42	*	1	5	1630	<2100	0.1
London (Kew Obsy.)	omro	omr	olmrofr	gromr	49	44	42	2	4	0900	<2100	0.1
Croydon	orrm	omrr	omrrf	ofrrm	48	43	43	1	10	<0800	<2100	0.6
Clacton-on-Sea	ogfdm	comp	ogmr	ogmr	43	42	41	1	6	1100	-	0.0
Shoeburyness	orfdm	oifo	orforr	ofrrff	45	41	41	1	8	<0800	<2100	0.0
Grain	orro	ofro	mrrm	orrm	44	40	40	1	8	<0800	<2100	0.0
Lympne	omfo	ofo	orrm	orrm	46	42	41	1	6	<0800	<2100	0.0
Scilly (St. Mary's)	omo	oco	bw	bW	51	43	•	-	0.3	-	•	*
Falmouth (Pendennis)	orco	coec	bcf om	bmF	51	40	•	2	Trace	<0800	<2100	0.0
Plymouth (Cattewater)	orr	orro	obm	of	50	38	34	10	-	<0800	-	0.0
Portland Bill	r-d	r-d	p	c	52	42	•	17	1	-	<2100	•
Southampton (Calshot)	ofr	orr	omrodf	odocm	47	43	41	1	5	1230	<2100	0.0
Dungeness	pc	p	rr	orr	47	43	•	1	?1	1100	<2100	•
Guernsey	odo	orromo	orro	oo	48	46	•	7	1	<0800	<2100	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Altitude.
2	22nd -	CAMBRIA	S	2	od	48	49	4
1	" 1200	IBEX	S	4	r	49	50	6
3	23rd 0200	ARUNDEL	N	2	orr	44	49	5

GENERAL INFERENCE.

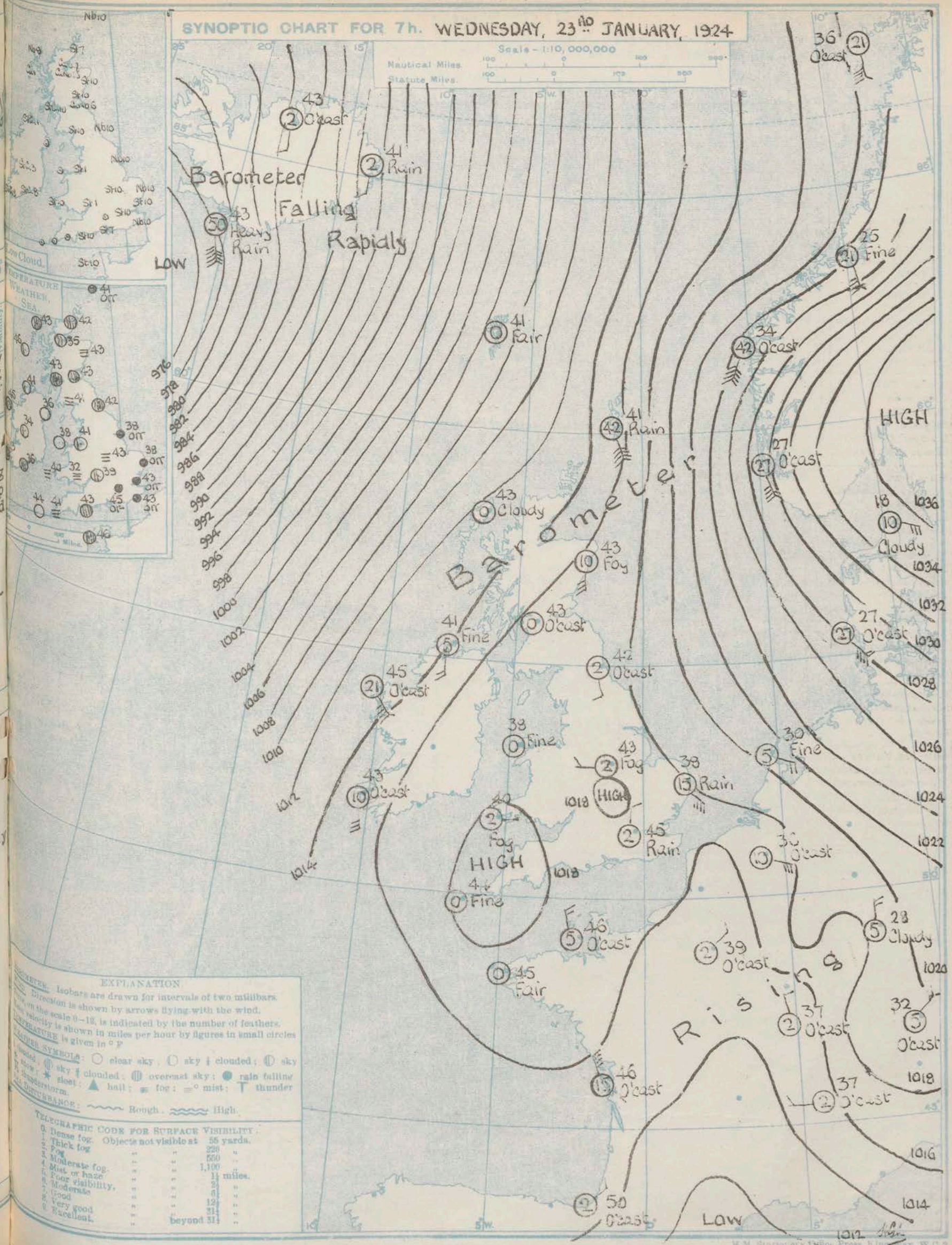
An extension of the Scandinavian anticyclone is developing over the British Isles and a deep depression off the S.W of Iceland is moving N.E. Winds will become easterly or southeasterly over the southern half of the Kingdom with improving cold weather. In the West and Northwest, S. to S.W. winds with variable skies and occasional rain and a moderate temperature are probable.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 23rd January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind light variable or easterly, cloudy to fair. Some mist or fog locally. Somewhat colder.	Probably becoming colder with easterly winds in the South. Generally unsettled. ------ ▽ South Gone still flying. ------
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England ▽ 11. E. Scotland ▽	Wind light or moderate southerly. Variable sky, fair periods. Some mist or fog locally. Moderate to rather low temperature.	
12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides	Wind moderate or fresh S. to S.E; variable sky, occasional rain or showers; moderate to good visibility; moderate temperature.	
16. Orkneys and Shetlands ▽ 17. N.W. Ireland	Wind S. high or gale; cloudy, some rain or sleet; moderate visibility; colder.	
18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	As 12 - 15.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.

SYNOPTIC CHART FOR 7h. WEDNESDAY, 23rd JANUARY, 1924



EXPLANATION

BAROMETER. Isobars are drawn for intervals of two millibars.
WIND. Direction is shown by arrows flying with the wind. Force, on the scale 0–12, is indicated by the number of feathers. Wind velocity is shown in miles per hour by figures in small circles.
TEMPERATURE is given in °F.
WEATHER SYMBOLS: ○ clear sky, ◐ sky ½ clouded; ◑ sky clouded, ◍ sky ½ clouded; ◍ overcast sky; ● rain falling; ✱ snow; ▲ hail; ≡ fog; ≡° mist; ⊤ thunder; ⊤ thunderstorm.
SEA DISTURBANCE: ~~~ Rough. ≈≈≈ High.

TELEGRAPHIC CODE FOR SURFACE VISIBILITY.

0. Dense fog.	Objects not visible at		55 yards.	
1. Thick fog	"	"	220	"
2. Fog	"	"	550	"
3. Moderate fog.	"	"	1,100	"
4. Mist or haze	"	"	1¼	miles.
5. Poor visibility.	"	"	2½	"
6. Moderate	"	"	6½	"
7. Good	"	"	12½	"
8. Very good	"	"	31½	"
9. Excellent.	"	beyond	31½	"

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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

 BRITISH SECTION. Wednesday 23rd January 1924. No. 22

Observations at 0100 G.M.T. 23rd

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10
Lerwick	54	1013.4	+3	SSE	8	orr	41	94	6	4000	Nb	10	-	10
Stornoway	51	1010.0	+2	-	0	b	•	•	6	•	•	•	•	•
Wick	81	1010.3	+3	SSW	1	od+	43	94	5	450	St	10	-	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1011.4	+4	WSW	2	c	42	94	8	5400	StCu	6	ACu	8
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1011.9	+4	-	0	mo+	44	94	4	•	Cu	2	CCu	4
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1013.6	+3	S	1	orr	43	94	5	800	Nb	10	-	10
Blacksod Point	10	1012.0	+1	SE 1/5	4	bc	45	92	5	•	•	•	•	6
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1012.5	+3	WSW	1	c+	44	92	8	2500	StCu	4	-	4
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1015.0	+3	SE	4	fo	39	94	2	450	St	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1014.0	+3	-	0	orr	42	94	2	450	St	10	-	10
Gorleston	13	1014.3	+1	SE/E	4	orr	39	94	4	4000	Nb	10	-	10
Valencia (Cahirciveen)	30	1014.5	+4	E/S	2	bc-	45	92	9	*	Cu	6	-	6
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1015.1	+4	WSW	2	bc	45	94	8	2500	Cu	4	-	4
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	45	•	•	•	•	•	•	•
Croydon	244	1014.2	+1	-	0	orr	43	94	2	<150	St	10	-	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1013.8	+1	ENE	2	orr	44	94	5	225	Nb	10	-	10
Scilly (St. Mary's)	131	1015.3	+2	-	0	b	45	94	8	-	-	0	-	0
Falmouth (Pendennis)	209	1015.4	+2	NW	2	b/f	41	94	8	-	-	0	-	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1014.5	+2	-	0	o/r	46	92	4	-	-	0	4St	10
Southampton (Calshot)	12	1014.4	+2	NW	2	od	44	94	6	1500	St	10	-	10
Dungeness	21	1014.0	+1	SSE	1	orr	46	92	4	4000	Nb	10	-	10
Guernsey														

Observations at 0700 G.M.T. 23rd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0–10	Cloud. Upper Form.	Cloud. Total Amt. 0–10	Sea 0–9
Lerwick	1015.6	+4	SSE	8	orr	41	94	6	4000	Nb	10	-	10	4
Stornoway	1012.4	+1	-	0	c	43	92	4	800	Nb	8	-	8	0
Wick	1013.5	+2	SSW	1	o/r	42	94	6	450	St	4	Cu	9	1
Castlebay	1012.2	+1	S	3	b	46	92	8	2500	Cu	1	-	6	3
Nairn	1014.9	•	-	0	bc-	35	89	8	4000	Cu	6	-	6	•
Aberdeen	1016.4	+3	S	3	ffo	43	94	2	<150	St	10	-	10	1
Malin Head	1014.8	+1	S	2	b	41	85	9	5400	StCu	1	-	1	1
Renfrew	1016.1	+3	-	0	0	43	94	4	2500	StCu	10	-	10	•
Edinburgh (Inchkeith)	1015.4	+3	SW	1	o/m	43	94	6	•	CuNb	10	-	10	0
Leuchars	1016.1	+3	-	0	ffo	38	94	2	800	St	10	-	10	•
Eskdalemuir	1014.3	+4	SW	1	fo-	41	94	3	<150	St	10	-	10	1
Tynemouth	1014.1	+3	SSE	1	o/r	42	94	5	500	Nb	10	-	10	•
Blacksod Point	1012.8	0	SE 1/5	5	o	45	92	4	•	•	•	•	10	5
Donaghadee	1016.6	+3	-	0	b	36	94	8	-	-	0	-	0	0
Birr Castle	1016.4	•	W	1	b	34	94	4	4000	StCu	3	-	3	•
Holyhead	1014.2	+3	-	0	ffo	38	94	2	5700	St	2	-	2	0
Liverpool (Bidston)	1014.0	+2	WSW	2	bf	41	94	4	2500	St	1	-	1	3
Chester (Shotwick)	1014.4	+2	-	0	fo	31	92	3	4000	StCu	1	-	1	•
Spurn Head	1013.2	+3	ESE	4	orr	38	94	5	2500	Nb	10	-	10	4
Birmingham (Edgbaston)	1018.1	+2	N	3	ffbc	41	92	3	2500	StCu	4	-	4	•
Nottingham	1014.5	+2	W	1	ffo	43	94	2	800	St	10	-	10	•
Cranwell	1014.5	+3	-	0	odd	41	94	1	<150	St	10	-	10	1
Gorleston	1018.6	+2	SE	4	orr	35	94	6	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	1015.9	0	S/E	3	o	43	85	4	2500	StCu	8	1St	8	4
Roches Point	1014.3	+1	ENE	1	c	36	94	5	2500	StCu	8	-	10	0
Pembroke (St. Ann's H.)	1018.3	+3	E	1	ffo	40	94	1	<150	St	10	-	1	4
Ross-on-Wye	1014.0	+2	-	0	ffb	32	94	1	225	St	1	-	5	•
Leafield	1018.0	+1	WNW	2	bc-	39	94	4	1500	St	2	1St		•
Andover	1016.9	+2	NNW	2	b/r	42	94	6	1500	StCu	1	C St	2	•
S. Farnborough	1012.4	+2	N	1	o-	43	94	6	-	-	0	1St	10	•
London (Kew Obsy.)	1014.2	+3	N/E	1	or-	45	94	5	1500	St	10	-	10	•
Croydon	1014.2	+4	N/W	2	or.o	44	94	4	450	St	10	-	10	0
Clacton-on-Sea	1016.4	+3	N/E	1	orr	43	94	5	1500	St	10	-	10	•
Shoeburyness	1014.0	+4	NNE	1	orr	42	94	3	225	Nb	10	-	10	0
Grain	1014.2	+4	N	2	or.r	43	94	5	500	Nb	10	-	10	•
Lympne	1016.3	+3	N	3	or.o	43	94	4	<150	Nb	10	-		
Scilly (St. Mary's)	1018.1	+2	-	0	b	44	94	8	-	-	0	-	0	2
Falmouth (Pendennis)	1010.1	+4	N	1	fb	41	94	1	-	-	0	-	0	0
Plymouth (Cattewater)	1014.9	+1	NW	1	ffb	40	94	2	-	-	0	-	0	1
Portland Bill	1016.3	+2	NW	1	o	43	92	4	1500	St	10	-	10	4
Southampton (Calshot)	1014.5	+3	NW	3	c	43	94	6	800	St	4	-	4	0
Dungeness	1016.3	+2	NNE	2	orr	43	94	6	1500	Nb	10	-	10	3
Guernsey	1014.5	+3	NNW	2	o-	46	94	6	1500	St	10	-		1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 22nd

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 21st–22nd °F.	Temperature. Max. Day. 22nd °F.	Rainfall.† Night 17h.–9h. 21–22nd mm.	Rainfall.† Day 9h.–17h. 22nd mm.	Sunshine.	Sunshine. Sunrise to Sunset. 22nd hr.
Douglas	dirf	dirf	45	47	11	1		0.0
Montrose	omrr	rofr	41	44	11	6		0.0
Berwick-on-Tweed	prr.o	rr.r	41	46	5	3		0.0
Llandudno	odo	poc	51	52	1	0.2		0.2
Colwyn Bay	pc	cp	49	52	1	1		0.0
Rhyl	po	o	48	51	4	1		0.0
Southport	or	r	46	48	11	5		0.0
Blackpool	or	oro	46	47	16	5		0.0
Ilkley	mr	r	41	47	5	8		0.0
Harrogate	or	or	41	45	4	5		0.0
Skegness	or	or	39	42	4	3		0.0
Aberystwyth	for	o	50	52	5	5		0.0
Bath	orr	rr	46	48	5	12		0.0
Leamington Spa	or	or	45	47	3	4		0.0
Lowestoft	or	ir.o	41	43	8	2		0.0
Felixstowe	omd	omd	41	43	15	1		0.0
Southend	op	op	42	45	8	2		0.0
Ilfracombe	or	or	50	53	4	6		0.0
Bude	r	r	49	52	7	3		0.0
Torquay	r	r	50	50	3	13		0.0
Weymouth	or	r	46	50	4	13		0.0
Bournemouth	r	r	45	47	4	8		0.0
Portsmouth (S'thsea)	o	om	45	48	8	-		0.0
Littlehampton	oc	oc	45	47	2	-		0.2
Worthing	oco	od	45	48	3	1		0.1
Brighton	oocco	or	45	49	3	0.4		0.0
Eastbourne	or.o	o	43	48	3	0.1		0.0
Hastings	odo	o	43	47	3	0.3		0.0
Folkestone	o	r	42	50	5	1		0.0
Dover	or.po	opom	45	47	1	0.2		0.0
Tunbridge Wells	odb	o	44	48	4	0.3		0.0
Ramsgate	od	do	43	47	5	0.3		0.0
Margate	od	or	44	47	5	0.4		0.0
Deal	or	o	44	46	6	-		

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* Information for these columns not usually received. † Trace of rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 3

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B 22708 THURSDAY, 24th JANUARY 1924.

Observations at 1300 G.M.T. 23rd

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1017·7	+2	SSE	8	od₀d₀	42	97	6	4000	Nb	10	-	10	*
Stornoway	1009·9	-3	SSW	6	c	45	85	7	800	St	8	-	8	*
Wick														*
Castlebay	1011·3	-1	SE	5	o+	45	85	8	1500	St	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1018·3	-1	SSE	4	om-	42	97	4	800	St	10	-	10	2
Malin Head	1012·1	-3	SSE	6	c⊕	42	92	9	2500	St	1	CiSt	8	*
Renfrew	1018·0	-0	S	3	o	44	85	6	1500	StCu	4	ACu	10	2
Edinburgh (Inchkeith)	1017·9	+1	S	1	c/m	45	85	8	*	Cu	6	CiCu	7	*
Leuchars	1017·9	+1	S	1	bc/f	47	85	7	4000	StCu	3	CiSt	5	1
Eskdalemuir	1019·4	+1	SW	3	o	40	92	6	1500	St	10	-	10	2
Tynemouth	1020·1	+1	SSE	2	o	42	97	5	800	St	10	-	10	*
Blacksod Point	1009·8	-3	SE'S	6	o	47	75	8	*	*	*	*	10	*
Donaghadee	1017·9	o	SW	3	b-	45	85	8	1500	StCu	3	-	3	*
Birr Castle	1017·7	*	SE	1	c+	39	92	7	4000	StCu	7	-	7	*
Holyhead	1019·6	-1	S	3	o	44	97	8	800	StCu	10	-	10	2
Liverpool (Bidston)	1020·3	+1	SE	1	b	44	85	3	4000	St	2	-	2	*
Chester (Shotwick)	1020·3	+1	SE	3	b	46	85	6	5700	StCu	1	Ci	2	2
Spurn Head	1022·4	+4	SE	3	o	38	92	7	4000	StCu	10	-	10	*
Birmingham (Edgbaston)	1020·5	+1	NNW	2	off	44	92	3	800	St	10	-	10	2
Nottingham	1020·9	+3	E	1	od₀d₀	43	97	3	1500	St	10	-	10	*
Cranwell	1021·1	+2	-	0	om-	40	97	4	450	St	10	-	10	2
Gorleston	1021·3	+2	SE'E	4	o	37	92	5	2500	Nb	10	-	10	*
Valencia (Cahirciveen)	1014·4	-4	SSE	5	o	48	75	8	2500	St	10	-	10	2
Roches Point	1017·6	-1	S	4	o	47	92	8	-	-	0	ASt	10	*
Pembroke (St. Ann's H.)	1020·8	+1	E	1	FFo	46	97	0	<150	St	10	-	10	*
Ross-on-Wye	1020·3	+2	-	0	b	43	85	7	5700	StCu	2	-	2	2
Leafield	1020·9	+2			om-	44	97	5	?	?	?	?	10	*
Andover	1020·1	+1	N	1	o+	46	92	6	800	St	10	-	10	2
S. Farnborough	1020·1	+2	N	2	o	45	97	5	800	St	10	-	10	2
London (Kew Obsy.)	1020·4	+2	NNE	1	omm	46	92	4	1500	St	10	-	10	1
Croydon	1020·6	+3	NE	1	o	44	97	4	220	St	10	-	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1020·1	+3	E'S	1	o/r	41	85	6	800	St	10	-	10	*
Grain	1020·5	+3	NE	3	o	41	97	5	450	St	10	-	10	2
Lympne	1019·5	+1	ENE	1	o	42	97	4	450	St	10	-	10	2
Scilly (St. Mary's)	1020·9	+2	SW	1	c	50	85	8	4000	StCu	3	CiCu	7	*
Falmouth (Pendennis)	1020·5	+2	-	0	bcf-	44	97	2	4000	Cu	5	-	5	*
Plymouth (Cattewater)	1020·5	+0	NNE	1	bm-	45	97	5	-	-	0	-	0	1
Portland Bill	1020·2	+4	NW	2	b-	46	85	7	-	-	0	-	0	*
Southampton (Calshot)	1020·6	+2	NNW	3	bcm-	46	92	5	1500	St	5	-	5	2
Dungeness	1019·5	+2	E	1	o	44	92	6	-	-	0	ASt	10	*
Guernsey	1020·3	+2	N	3	mmo	44	97	5	800	St	10	-	10	*

Observations at 1800 G.M.T. 23rd

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1015·3	-2	SSE	8	od₀	42	97	6	4000	St	10	-	10	7
Stornoway	1009·0	-5	S	7	o+	45	75	7	800	St	10	-	10	6
Wick	1011·1	-1	SSE	5	b-	42	92	7	-	-	0	CiSt	2	6
Castlebay	1006·3	-5	ESE	7	o	45	85	7	1500	St	10	-	10	7
Nairn	1011·0	*	SW'S	3	c+	42	75	8	1500	St	8	-	8	*
Aberdeen	1016·6	-2	SSE	4	o	42	97	6	1500	St	10	-	10	4
Malin Head	1007·1	-6	SSE	6	o+	44	85	8	5700	Nb	7	ACu	9	3
Renfrew	1015·4	-4	S	4	bc-	42	85	6	1500	St	5	-	5	*
Edinburgh (Inchkeith)	1015·7	-2	S	2	bc	42	85	7	*	St	6	-	6	0
Leuchars	1016·5	-2	-	0	o	42	85	7	2500	StCu	10	-	10	*
Eskdalemuir	1017·9	-2	SSW	2	o	39	92	6	1500	StCu	10	-	10	*
Tynemouth	1019·4	0	S	2	o	41	97	5	800	St	10	-	10	4
Blacksod Point	1004·7	-2	SE'S	8	oPPt	47	75	5	*	*	*	*	10	9
Donaghadee	1015·8	-2	S	4	bc+	42	97	8	450	St	6	-	6	4
Birr Castle	1012·9	*	SSE	5	o+	45	85	6	4000	StCu	9	-	9	*
Holyhead	1018·2	-1	S'E	4	o	43	92	7	1500	St	10	-	10	3
Liverpool (Bidston)	1019·0	-1	SE'S	3	b	40	92	6	2500	St	2	-	2	3
Chester (Shotwick)	1019·3	-1	SE	2	b	40	92	5	-	-	0	-	0	*
Spurn Head	1022·1	+1	SE	4	o	37	92	6	2500	St	10	-	10	4
Birmingham (Edgbaston)	1020·8	0	S	2	fo+	42	97	1	225	St	10	-	10	*
Nottingham	1020·7	+1	ESE	2	o	42	97	6	1500	St	10	-	10	*
Cranwell	1022·0	+2	SE	2	ffo	39	97	3	800	St	10	-	10	*
Gorleston	1022·4	+1	SE	4	b	38	92	6	-	-	0	-	0	0
Valencia (Cahirciveen)	1011·6	-2	S'E	7	orr	47	85	6	1500	St	10	-	10	4
Roches Point	1015·4	-1	S	5	o	48	92	8	-	-	0	CiSt	10	6
Pembroke (St. Ann's H.)	1020·1	0	E	2	FFo	43	97	0	<150	St	10	-	10	4
Ross-on-Wye	1020·5	+1	SE	1	o+	40	97	5	1500	St	10	-	10	*
Leafield	1021·7	+1	S'E	1	ffo	43	97	3	225	St	10	-	10	*
Andover	1021·0	+1	-	0	bc-	43	97	6	800	St	8	-	8	4
S. Farnborough	1021·3	+2	ENE	2	o	44	97	5	800	St	10	-	10	*
London (Kew Obsy.)	1021·9	+2	SE'S	2	mo-	43	92	4	1500	St	10	-	10	*
Croydon	1022·1	+2	ENE	2	o	41	97	4	450	St	10	-	10	*
Clacton-on-Sea	1021·8	+1	NE	2	o	40	92	6	2500	St	10	-	10	1
Shoeburyness	1022·6	+2	E	1	o	40	85	6	1500	St	10	-	10	*
Grain	1022·4	+1	NE	3	o	40	97	5	450	St	10	-	10	0
Lympne	1021·4	+3	ENE	2	o	41	97	5	450	St	10	-	10	*
Scilly (St. Mary's)	1020·9	0	S	2	h	47	92	8	4000	Cu	2	CiCu	1	2
Falmouth (Pendennis)	1022·0	0	SW	1	fo+	43	97	1	?	St	10	-	10	0
Plymouth (Cattewater)	1021·2	+1	SW	1	fo	42	97	3	<150	St	10	-	10	0
Portland Bill	1021·7	+2	NW	1	o+	42	85	6	1500	St	10	-	10	4
Southampton (Calshot)	1021·8	+2	NW	2	o+	43	97	4	2500	StCu	9	-	9	0
Dungeness	1021·4	+3	E	2	o	45	92	5	1500	St	10	-	10	3
Guernsey	1021·6	+3	N	1	mmo	43	97	6	1500	St	10	-	10	1

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 0600 G.M.T. 24th)	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. (Yesterday)	Humidity. 15h. G.M.T. % (To-day)	Humidity. 9h. G.M.T. % (To-day)	Visibility 9h.
Kew					*	*				*	*	*	
Croydon (24 hours ended 0700)	18	omg	ofqdofq	oqm	*	*	38	0·1	Tr	0·0	*	*	5
Greenwich (Royal Obsy.)	244	od₀fm	od₀fm	omo			38	0·2	-	0·0			5
City (Bunhill Row)	149	o	o	o	44	39	32	-	-	0·0	96	94	3
Westminster (St. James' Pk.)	80	*	*	*	*	*	*	*	*	0·0	*	*	*
Regent's Pk. (Botanic Gdns.)	27	*	*	*	46	42	39	-	-	0·0	91	90	*
Camden Square	168	*	*	*	*	*	*	*	*	0·0	*	*	*
Kensington Palace	110	o	fdo	*	44	39	38	0·2	-	*	*	93	*
Hampstead Observatory	80	og	og	*	45	41	37	?	-	*	(At 18h 92)	92	*
	450	*	*	*	43	39	35	Tr	-	0·0		97	*

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 23rd

South Kensington

Max.	Time.	Min.	Time.
1·0	19h.	0·3	6h.
1·0	15h.		

Kew Observatory

Max.	Time.	Min.	Time.
1·1	3h-4h	0·3	7h.
0·8	15h-16h		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 23rd 14h. 30m. to 24 6h. 45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 15	Nil	0
δ Ursae Minoris	13 15	Nil	0

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
19h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

24.3.23 JANUARY, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·49	12·3	4·21
	7·48	12·5	4·22
Greenwich	7·52	12·9	4·31
	7·51	12·12	4·33
Wick	8·38	12·24	4·11
	8·36	12·24	4·13
Valencia	8·35	12·53	5·11
	8·34	12·53	5·12

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
k squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). / before (for precipitation).
⊕ = solar halo. ☽ = lunar halo.

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; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.

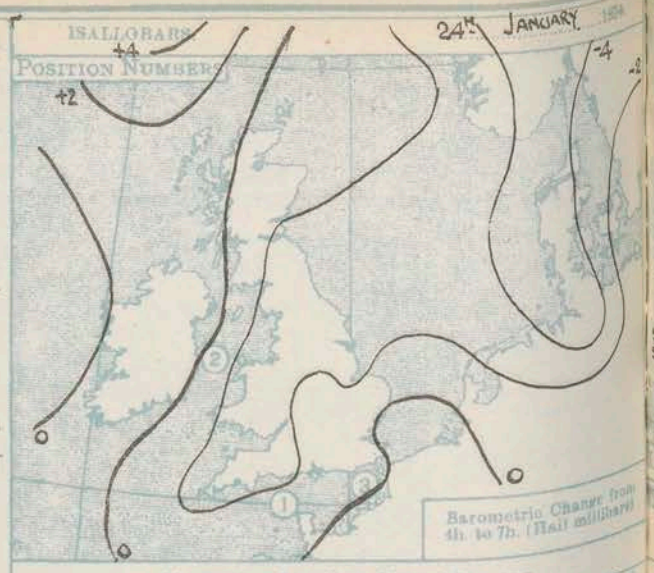
* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 23rd	13h.-18h. 23rd	18h. 23rd to 1h. 24th	1h.-7h. 24th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 23rd Hours.
Lerwick	omrq	omdq	omdqr	omrqr	43	41	•	2	5	<0800	<2100	0·0
Stornoway	c	c	r-d	or bc	46	42	•	-	7	-	-	2·0
Wick	bo	c	oo	oo	44	42	•	-	-	-	-	•
Castlebay	bo	oo	orro	oc	46	44	•	-	4	-	-	1·1
Nairn	bcc	cbccq	cqqrbc	bc	45	40	•	-	-	-	-	4·4
Aberdeen	ofem	omo	omo	oa	43	41	39	-	-	-	-	0·0
Malin Head	bccov	covgu	or₀rm	or₀co	45	42	•	-	1	-	2200	0·7
Renfrew	omo	oc	corr	orrrqr	45	41	37	-	10	-	2400	2·0
Edinburgh(Inchkeith)	m	c	c	oo	47	41	*	0·1	-	-	-	2·3
Leuchars	offbc	bcco	bco	or₀o	47	37	30	-	0·3	-	0430	1·7
Eskdalemuir	om	omo	oom	oormr₀	41	35	35	-	7	-	0130	0·0
Tynemouth	om	om	om	orrm	43	38	37	-	3	-	-	•
Blacksod Point ...	oo	oo	r-d	pqr	49	40	•	1	4	-	-	•
Donaghadee	bc	c	orqr	od	45	42	•	-	5	-	<2100	•
Birr Castle	co	co	oRR	co	45	44	37	-	4	-	<2100	1·4
Holyhead	iFifo	oo	oord₀	orr	45	43	41	trace	6	-	0130	0·6
Liverpool (Bidston)...	b-bc	b	or		45	36	31	-	2	-	0330	7·2
Chester (Shotwick) ...	bffb	bbcbm	bmcoom	oorm	48	36	33	-	1	-	0530	5·4
Spurn Head	oo	c	oo	omco	39	?	•	0·1	-	<0800	-	0·0
Birmingham(Edgbaston)	ffo	offf	ofcm	co	44	37	35	-	-	-	-	0·0
Nottingham	f	m	oo	oo	44	40	39	trace	-	1230	-	0·0
Cranwell	f-m	omf	fm	moco	41	36	32	0·1	-	<0800	-	0·0
Gorleston	orro	ob	cou	com	38	36	35	2	-	<0800	-	0·0
Valencia (Cahirciveen)	oco	oor	oro	o	48	46	40	3	10	1530	<2100	0·0
Roches Point	cmo	oo	oPD	Do	48	46	•	-	7	-	<2100	
Pembroke(St.Ann's H.)	oFF	oFf	oo	oor	46	42	•	trace	2	1430	0330	0·0
Ross-on-Wye ...	FFob	bbzcm	ombcom	obcs	48	38	32	0·1	0·2	-	0530	5·4
Leafield	Ffom	ffo	ffo	co	44	38	*	-	-	-	-	0·5
Andover	bocom	cmom	bcmof	omo	46	37	29	-	-	-	-	0·7
S. Farnborough ...	oomm	oomm	om	om	46	41	38	-	-	-	-	0·0
London (Kew Obsy.)...	omg	ofqdofqdm	oqm	cqm	46	41	38	0·1	trace	<0800	-	0·0
Croydon	orₒdₒfm	odₒfm	om	oo	46	40	38	0·2	-	<0800	-	0·0
Clacton-on-Sea ...	ogmr	ogm	ogm	ogm	43	39	39	1	-	0900	-	0·0
Shoeburyness.. ...	orₒrfo	oo	o	o	43	39	39	0·2	trace	<0800	-	0·0
Grain	orₒm	om	om	om	42	40	39	0·2	-	<0800	-	0·0
Lympne	orₒr₀	om	om	om	43	37	36	0·2	trace	<0800	<2100	0·0
Scilly (St. Mary's) ...	bbcc	bcb	co	omr	51	46	•	-	2	-	0230	*
Falmouth (Pendennis)	F	fbF	Fco	co	48	40	•	trace	?	<0800	-	2·1
Plymouth(Cattewater)	bF	bmfe	ofed	od	50	41	40	-	trace	-	<2100	5·4
Portland Bill	b-bc	c	oo	oo	47	42	•	-	-	-	-	•
Southampton(Calshot)	comcbm	bcbm	om	om	48	41	38	-	-	-	-	4·0
Dungeness	r-d	mm	f-m	c	46	40	•	1	-	<0800	-	•
Guernsey	om	om	omc	co	47	42	•	trace	-	-	-	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Tide
2	23rd 1030	"Hibernia"	SE	?	bc	?	45	8
3	24th 0200	"Dieppe"	NW	1	bc	42	48	7

GENERAL INFERENCE.

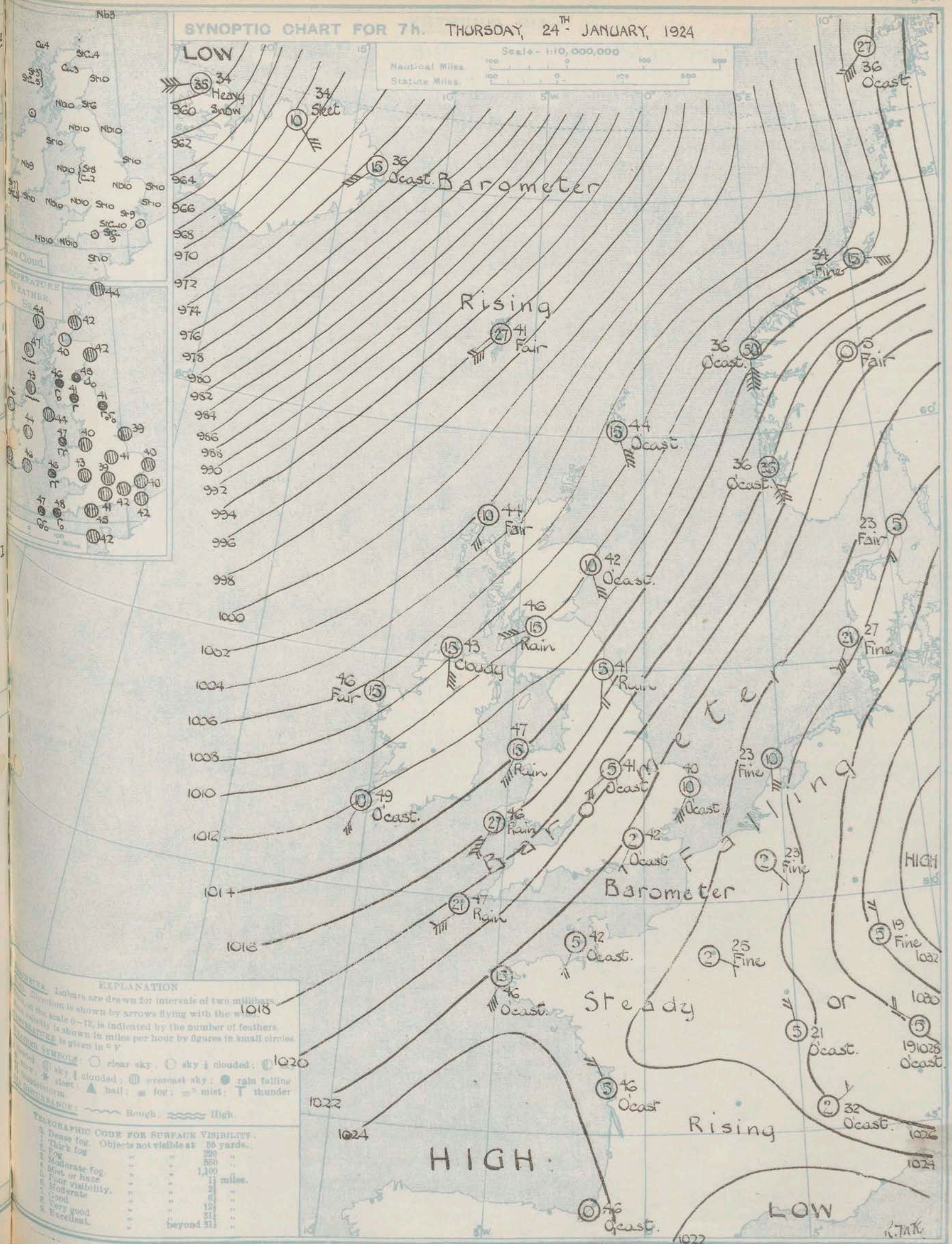
A very deep depression is centred north of Iceland and secondaries to this system are likely to move N.E. over the British Isles.. Winds will be between S. and S.W., squally, a gale in places, with occasional rain in all districts and a moderate temperature.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 24th, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind S. to S.W., moderate or fresh; mainly cloudy with occasional rain but some brighter intervals; moderate to good visibility; moderate temperature.	Unsettled generally.
5. S.W. England 6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S.W., squally, fresh or strong, a gale at times in exposed places; mainly cloudy with some rain but perhaps brighter intervals; moderate to good visibility; moderate temperature.	South Cone still flying. South Cone hoisted at 15.30 and 19.30 23/1/24.

RKW

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0940 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. THURSDAY, 24th JANUARY 1924. No. 24

Observations at 0100 G.M.T. 24th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1009·9	-5	SSE	8	od	43	92	6	4000	Nb	3	asc	10
Stornoway	51	1000·6	-2	S	7	oRR	•	•	3	•	•	•	•	•
Wick	81	1004·6	-2	S	8	o	43	92	7	1500	Sc	6	asc	10
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1005·6	+2	SSE	6	or	45	97	7	4000	Nb	4	asc	10
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1011·2	-4	SSW	4	o+	43	85	7	•	Sc	6	asc	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1016·4	-2	S	2	o	41	97	6	800	Sc	6	asc	10
Blacksod Point	10	1007·4	+5	SW	2	bc	46	92	7	•	•	•	•	6
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1015·9	-3	SW	5	od	46	92	7	1500	Sc	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1020·3	-2	S	4	o	38	97	5	2500	Sc	10	-	10
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1021·5	-1	SSW	3	mo	40	97	4	450	Sc	10	-	10
Gorleston	13	1023·2	0	SE	4	o	39	92	6	2500	Nb	5	asc	10
Valencia (Cahirciveen)	30	1011·3	+2	SW	2	c	50	92	9	-	-	0	acu	7
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1017·8	-1	S	4	o	45	97	7	1500	Sc	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	250	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	43	•	•	•	•	•	•	•
Croydon	244	1022·6	-1	SE	2	o	41	97	5	500	Scu	10	-	10
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1023·0	+2	SE	3	o	40	85	6	2500	Sc	10	-	10
Scilly (St. Mary's)	131	1019·5	-2	SW	4	o	48	97	8	4000	Scu	10	-	10
Falmouth (Pendennis)	200	1020·4	0	SSW	5	olf	46	97	7	4000	Scu	10	-	10
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1021·6	0	SW	1	o	45	85	7	1500	Sc	10	-	10
Southampton (Calshot)	12	1022·7	0	SSE	2	mo	43	97	4	1500	Sc	10	-	10
Dungeness	21	1023·0	+1	SE	3	olf	42	85	6	-	-	0	asc	10
Guernsey	—													

Observations at 0700 G.M.T. 24th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	1006·5	-1	S	4	o/r	44	85	6	4000	Nb	3	asc	10	3
Stornoway	1001·8	+1	SSW	3	bc	44	85	7	4000	Cu	4	-	4	2
Wick	1004·9	+2	SW	3	c+	42	92	8	4000	Scu	4	acu	7	3
Castlebay	1003·7	0	SSW	5	c-	47	85	8	1500	Scu	8	-	8	6
Nairn	1006·1	•	-	0	b-	40	85	8	4000	Cu	3	-	3	•
Aberdeen	1010·0	-1	S	3	o	42	97	6	1500	Sc	10	-	10	1
Malin Head	1006·9	0	S	4	c⊕	43	92	8	-	-	0	csc	8	4
Renfrew	1009·1	-1	SW	4	or	46	92	6	800	Nb	10	-	10	•
Edinburgh (Inchkeith)	1008·8	-3	SSW	4	od	45	85	8	•	Sc	6	asc	10	2
Leuchars	1008·8	-3	SW	2	o/r	45	85	7	2500	Scu	8	asc	10	•
Eskdalemuir	1011·5	-2	SSW	6	or-	41	97	6	800	Nb	10	-	10	•
Tynemouth	1014·2	-2	S	2	ors	41	92	6	800	Nb	10	-	10	4
Blacksod Point	1006·7	-1	?	4	bc+	46	75	7	•	•	•	•	6	6
Donaghadee	1011·4	0	SW	2	o-	44	97	8	450	Sc	10	-	10	4
Birr Castle	1010·9	•	S	3	o	44	97	6	2500	Nb	9	-	9	•
Holyhead	1013·6	-2	SSW	4	orr	47	97	7	<150	Nb	10	-	10	3
Liverpool (Bidston)	1015·7	-2	SE	4	o/r	40	97	6	1500	Sc	10	-	10	•
Chester (Shotwick)	1016·1	-3	SSE	5	or	40	92	5	4000	Nb	7	asc	10	4
Spurn Head	1020·2	-2	SSW	4	o	39	92	5	2500	Sc	10	-	10	•
Birmingham (Edgbaston)	1019·4	-1	SSW	3	o	39	92	6	1500	Sc	10	-	10	•
Nottingham	1019·7	-1	SW	2	o	41	92	6	1500	Nb	10	-	10	•
Cranwell	1019·9	-2	SW	3	o	39	97	5	4000	Sc	10	-	10	1
Gorleston	1022·5	0	SW'S	3	o	40	92	6	2500	Sc	10	-	10	•
Valencia (Cahirciveen)	1012·1	0	SSW	3	o	49	85	6	1500	Sc	10	-	10	6
Roches Point	1013·8	0	S	4	o	46	97	6	2500	Sc	10	-	10	1
Pembroke (St. Ann's H.)	1015·3	-2	SSW	6	orr	46	97	6	1500	Nb	10	-	10	4
Ross-on-Wye	1019·1	-2	SSW	3	o	43	85	7	2500	Nb	10	-	10	•
Leafield	1020·6	-2	SE	2	o	39	92	5	4000	Sc	10	-	10	•
Andover	1020·9	-1	SE	2	o	41	92	6	1500	Sc	10	-	10	•
S. Farnborough	1021·5	-1	S	1	o-	41	92	5	1500	Scu	10	-	9	•
London (Kew Obsy.)	1021·6	-1	SW	1	o	42	92	4	1500	Sc	9	-	9	•
Croydon	1022·3	-1	S	2	o	41	97	5	1500	Scu	9	-	10	1
Clacton-on-Sea	1022·1	0	S	3	o	40	92	6	2500	Sc	10	-	10	•
Shoeburyness	1022·6	0	ESE	2	o	40	85	6	1500	Sc	10	-	10	0
Grain	1023·1	0	SW	2	o	40	97	6	800	Sc	10	-	10	•
Lympne	1022·4	-1	SSE	3	o	39	92	6	2500	Sc	10	-	10	•
Scilly (St. Mary's)	1017·9	-2	SW	5	ors	47	97	6	4000	Nb	10	-	10	5
Falmouth (Pendennis)	1018·8	-2	SW	5	ors	48	97	7	4000	Nb	10	-	10	0
Plymouth (Cattewater)	1019·9	-1	SSW	4	o	47	97	7	800	Sc	10	-	10	0
Portland Bill	1021·6	-2	SSW	4	o	45	85	7	-	-	0	asc	10	4
Southampton (Calshot)	1021·8	-1	SES	3	o	44	85	6	2500	Scu	9	-	9	0
Dungeness	1022·9	0	SSW	3	o+	42	85	7	-	-	0	asc	10	4
Guernsey	1022·8	-1	SW	2	o-	42	97	8	1500	Sc	10	-	10	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 23rd JAN.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night 22nd-23rd °F.	Temperature. Max. Day. 23rd °F.	Rainfall.† Night 17h.-9h. 22nd-23rd mm.	Rainfall.† Day 9h.-17h. 23rd mm.	Sunshine.	Sunshine. Sunrise to Sunset 22nd hr.
Douglas	bcob	cbo	35	47	0·3	-		1·6
Montrose	ofo	cmo	41	42	5	-		0·0
Berwick-on-Tweed	rrffe	fefm	40	44	5	0·1		0·0
Llandudno	b	bcb	37	50	-	-		7·0
Colwyn Bay	bc	bc	36	48	-	-		7·0
Rhyl	bc	bc	34	53	0·1	-		6·8
Southport	foco	cbcb	36	43	1	-		0·7
Blackpool	ome	cm	36	44	1	-		0·0
Ilkley	pomco	f	39	43	5	-		0·0
Harrogate	of	of	39	44	6	0·1		0·0
Skegness	ord	o	37	39	17	-		0·0
Aberystwyth	ccb	b	40	51	-	-		7·5
Bath	fo	om	39	45	1	-		0·0
Leamington Spa	om	om	37	47	5	-		0·0
Lowestoft	oro	o	37	38	7	1		0·0
Felixstowe	omd	ogm	39	40	7	0·4		0·0
Southend	ro	o	42	43	8	-		0·0
Ilfracombe	omf	om	42	45	0·2	-		0·0
Bude	mbcmb	mbcm	38	45	0·3	-		2·4
Torquay	cobc	bcfo	37	49	4	-		7·6
Weymouth	c	co	42	48	2	-		2·4
Bournemouth	bc	bc	42	45	3	-		1·9
Portsmouth (S'thsea)	bc	om	43	48	7	-		1·7
Littlehampton	ombcm	bcom	44	47	4	-		0·0
Worthing	o	o	44	47	3	-		0·0
Brighton	o	o	44	47	4	-		0·0
Eastbourne	o	o	43	46	5	-		0·0
Hastings	omo	om	43	45	5	-		0·0
Folkestone	of	o	42	48	6	Trace		0·0
Dover	domo	omido	43	43	5	Trace		0·0
Tunbridge Wells	odo	oom	42	44	7	Trace		0·0
Ramsgate	o	om	41	44	4	-		0·0
Margate	od	oe	41	47	5	0·1		0·0
Deal	or	odo	42	45	5	1		0·0

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22709 Friday 25th January 1924.

Observations at 1300 G.M.T. 24th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1006.6	0	SSW	1	bc	45	92	6	2500	St	2	Ci	4	*
Stornoway	999.8	-2	SSW	6	CPR	43	85	7	800	Nb	8	-	8	*
Wick	1003.6	-1	SSW	3	bc	45	92	8	-	-	0	Ci st	4	*
Castlebay	1003.9	0	W	6	oPR	46	75	6	800	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1008.1	-2	SSE	2	0	45	92	4	1500	St	5	A.St	10	1
Malin Head	1007.3	+1	SW	5	bc	46	85	8	4000	Cu	6	-	6	*
Renfrew	1009.0	-2	SW	5	0	47	85	6	1500	Nb	5	A.St	10	2
Edinburgh (Inchkeith)	1008.5	-1	SW	4	c	45	85	7	*	*-	0	A St	8	*
Leuchars	1008.5	-1	SSW	3	0	47	85	6	1500	St	2	A.St	9	1
Eskdalemuir	1011.6	0	S'W	4	o/f	43	97	5	225	St	10	-	10	2
Tynemouth	1012.9	+1	SW	1	o/r	44	92	5	1500	Nb	10	-	10	*
Blacksod Point	1010.2	+4	WSW	5	o+	48	75	8					9	*
Donaghadee	1011.6	0	WSW	3	c-	47	85	8	450	St	7	-	7	*
Birr Castle	1012.9	*	SW	2	c-	46	85	7	4000	Nb	8	-	8	*
Holyhead	1014.1	+1	SW'W	3	0	47	97	6	2500	St	7	Ci st	10	2
Liverpool (Bidston)	1014.5	-1	S	3	0	45	92	6	1500	Cu.Nb	10	-	10	*
Chester (Shotwick)	1015.1	-1	SE'S	4	0	45	92	7	2500	St	10	-	10	2
Spurn Head	1017.2	-3	SSW	4	orr	41	97	6	2500	Nb	10	-	10	*
Birmingham (Edgbaston)	1017.6	-3	S	4	or$_o$r$_o$	43	92	5	1500	Nb	10	-	10	2
Nottingham	1017.4	-4	SW	3	orr	44	97	6	1500	Nb	10	-	10	*
Cranwell	1018.1	-3	SSW	4	orr	43	97	6	800	St	10	-	10	2
Gorleston	1020.8	-1	S'W	4	0	42	92	6	-	-	0	A.St	10	*
Valencia (Cahirciveen)	1014.8	+1	SW'W	3	c	49	75	7	2500	Cu	3	A.Cu	8	2
Roches Point	1014.8	+1	SW	3	bc-	49	85	8	2500	St.Cu	2	Ci.Cu	5	*
Pembroke (St. Ann's H.)	1015.9	+1	SSW	2	Fo+	47	97	1	2150	St	10	-	10	*
Ross-on-Wye	1017.1	-4	SW'S	3	or$_o$	46	92	7	2500	Nb	10	-	10	2
Leafield	1018.9	-3	S	3	orr	42	97	6	1500	Nb	10	-	10	*
Andover	1019.5	-2	S	4	orr	44	97	6	800	Nb	10	-	10	2
S. Farnborough	1020.5	-2	SW	4	orr	44	92	6	800	Nb	10	-	10	2
London (Kew Obsy.)	1020.7	-2	WSW	2	or$_o$	46	85	6	2500	St.	10	-	10	1
Croydon	1021.0	-1	SW'S	3	0	45	85	6	2500	St	3	A.St	10	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1019.9	-3	SSW	2	0-	44	85	6	4000	St.Cu	5	A.St	10	*
Grain	1021.1	-2	SSW	3	0	46	85	6	-	-	0	A St	10	2
Lympne	1021.3	-2	S	4	0	42	97	5	225	St	10	-	10	2
Scilly (St. Mary's)	1018.2	+1	W	3	o$_o$	49	97	7	4000	Nb	10	-	10	*
Falmouth (Pendennis)	1017.6	0	WSW	4	o/r	49	97	8	4000	St.Cu	10	-	10	*
Plymouth (Cattewater)	1017.9	-4	SSW	4	or+	47	97	6	2150	Nb	10	-	10	2
Portland Bill	1019.4	-2	SW	4	orr	47	92	7	2500	Nb	10	-	10	*
Southampton (Calshot)	1020.9	-2	S'W	4	orr	45	92	6	1500	Nb	10	-	10	1
Dungeness	1022.0	-2	SSW	3	0	44	92	6	2500	St	10	-	10	*
Guernsey	1021.8	-3	S'W	3	orr	45	97	6	1500	Nb	10	-	10	*

Observations at 1800 G.M.T. 24th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Yest. 0-9
Lerwick	1004.7	-2	WSW	3	bc+	45	85	6	1100	St.Cu	3	A St	6	2
Stornoway	1005.23	+6	SSW	5	b/r	42	75	8	4000	Cu	3	-	3	4
Wick	1007.4	+7	SW	2	b	37	92	8	-	-	0	-	0	0
Castlebay	1008.6	+5	WSW	4	b-	45	85	8	2500	St	3	-	3	6
Nairn	1008.8	*	SW	1	bc	36	85	8	4000	Cu	4	-	4	*
Aberdeen	1009.6	+3	WSW	3	c	44	85	7	4000	St.Cu	5	Ci	7	1
Malin Head	1012.5	+6	SW	2	b	43	92	7	4000	Cu	2	Ci.Cu	3	5
Renfrew	1013.2	+5	WSW	4	b	43	75	7	4000	St.Cu	1	-	1	*
Edinburgh (Inchkeith)	1011.7	+3	SW	4	b	43	85	6	*	-	0	A Cu	2	2
Leuchars	1011.3	+5	SW	2	bc-	41	85	8	4000	St.Cu	2	Ci	4	*
Eskdalemuir	1014.8	+4	SW	3	o-	41	97	6	1500	St.Cu	9	-	9	*
Tynemouth	1013.8	+2	SW	1	o	45	85	6	800	St	10	-	10	1
Blacksod Point	1014.3	+5	SW	4	o	44	75	7	*	*	*	*	10	5
Donaghadee	1014.5	+2	S	1	bc-	44	85	8	450	St	4	-	4	3
Birr Castle	1015.9	*	W	1	c-	43	92	6	1500	St	7	-	7	*
Holyhead	1016.3	+3	SW'W	1	o	46	97	6	2500	St.Cu	5	Ci st	9	1
Liverpool (Bidston)	1016.4	+2	SW'S	1	o	44	92	6	2500	Cu	6	A.Cu	9	2
Chester (Shotwick)	1016.0	+2	SE	2	o	44	92	6	2500	St.Cu	10	-	10	*
Spurn Head	1016.7	+1	SSW	3	or$_o$r$_o$	42	97	7	2500	Nb	10	-	10	4
Birmingham (Edgbaston)	1017.5	0	WSW	3	or$_o$	44	97	5	1500	St	10	-	10	*
Nottingham	1016.8	0	SW	2	o	45	97	6	1500	Nb	10	-	10	*
Cranwell	1017.4	0	SW	3	o/r	44	97	7	800	St.Cu	10	-	10	*
Gorleston	1020.2	0	S'W	3	odd	42	97	5	2500	Nb	10	-	10	1
Valencia (Cahirciveen)	1018.3	+5	W	2	b-	46	75	7	2500	St.Cu	3	-	3	5
Roches Point	1017.9	+3	NW	2	c	45	92	8	2500	Cu.Nb	7	-	7	1
Pembroke (St. Ann's H.)	1017.1	+2	W	3	c	46	92	8	2500	St.Cu	8	-	8	4
Ross-on-Wye	1017.1	0	SW	1	o/r	46	92	7	1500	St	10	-	10	*
Leafield	1018.5	0	SW	2	odd	44	97	4	450	St	10	-	10	*
Andover	1018.1	-2	S'W	3	orr	44	97	5	800	Nb	10	-	10	4
S. Farnborough	1019.1	-2	S	3	or$_o$r$_o$	44	97	5	800	Nb	10	-	10	*
London (Kew Obsy.)	1019.3	-2	SSW	2	orr	44	97	5	1500	Nb	10	-	10	*
Croydon	1019.6	-1	S	3	orr	43	97	6	800	Nb	10	-	10	*
Clacton-on-Sea	1019.9	-1	S	3	ododo	42	97	6	2500	St	10	-	10	1
Shoeburyness	1019.9	-1	SSW	3	or+	42	85	6	450	Nb	10	-	10	*
Grain	1020.3	-1	S	2	orr	43	85	6	1500	Nb	10	-	10	0
Lympne	1020.9	-1	SSW	3	0	42	92	5	1500	Nb	10	-	10	*
Scilly (St. Mary's)	1019.2	+1	WN	4	c-	47	97	8	4000	Cu.Nb	7	-	7	5
Falmouth (Pendennis)	1018.9	+1	W	2	o$_o$	48	85	7	4000	Nb	10	-	10	0
Plymouth (Cattewater)	1018.4	+2	-	0	o/r	48	97	7	1500	St	10	-	10	3
Portland Bill	1017.4	-2	SW'W	4	orr	48	92	7	2500	Nb	10	-	10	4
Southampton (Calshot)	1019.1	-2	S	4	or$_o$r$_o$	45	97	6	1500	Nb	10	-	10	0
Dungeness	1021.1	-1	SW	3	opr$_o$	45	92	7	4000	St.Cu	10	-	10	4
Guernsey	1020.4	-1	WSW	5	or$_o$r$_o$	46	97	5	800	Nb	10	-	10	1

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 25th											
Kew	18	omr$_o$	omr$_o$r	ormbm	*	*	36	4	5	0.0	*	*	5
Croydon {24 hours ended 0700	244	om	orr	ormbm	*	*	39	4	7	0.0			3
Greenwich (Royal Obsy.)	149	o	or	orodbc	46	41	33	3	6	0.0	95	90	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	47	42	36	9		0.0	93	84	*
Regent's Pk. (Botanic Gdns.)	128	*	*	*	*	*	*	*	*	0.0	*	*	*
Camden Square	110	oco	oor	*	46	40	36	4	5	*	*	90	*
Kensington Palace	86	o	or	*	46	41	33	4	5	*	At 18h 92	92	*
Hampstead Observatory	450	*	*	*	44	38	27	5	4		97	95	*

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 24th

South Kensington Max.	Time.	Min.	Time.
1.3	17h.23m.	0.3	4h.24m.
1.0	9h.24m.		

Kew Observatory Max.	Time.	Min.	Time.
0.8	16-17h.23m.	0.3	0h.
0.3	8h.24m.		24m.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 24th 17h.30m. to 25th 6h.45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 15	Nil	0
δ Ursae Minoris	13 15	Nil	0

CODE FOR STATE OF GROUND.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2 ins. deep).
4 = Bare ground frozen (but more than 2 ins. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous).
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

25th to 26th January 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.48	12.5	4.22
	7.47	12.6	4.24
Greenwich	7.51	12.12	4.33
	7.50	12.13	4.35
Wick	8.36	12.24	4.13
	8.34	12.25	4.15
Valencia	8.34	12.53	5.12
	8.33	12.54	5.14

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). { before (for precipitation).
⊕ = solar halo. ⊖ = lunar halo.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from prevailing conditions, thus :—bc/r = fair weather after rain. - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

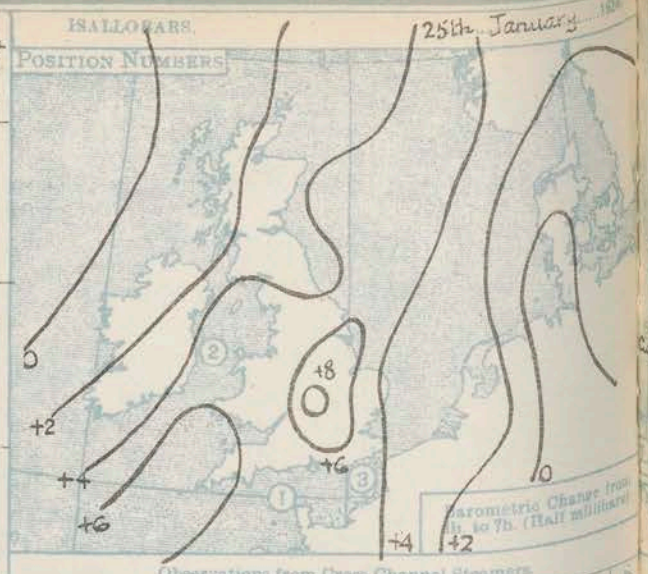
SEA DISTURBANCE.

0 = no swell } Calm or slight sea.
1 = mod. swell
2 = heavy swell
3 = no swell } Moderate sea.
4 = mod. swell
5 = heavy swell
6 = rather rough sea.
7 = rough sea.
8 = very rough sea.
9 = mountainous sea.

† For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	Weather. 7h.-13h. 24th	Weather. 13h.-18h. 24th	Weather. 18h. 24th to 1h. 25th	Weather. 1h.-7h. 25th	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h. mm.	Rainfall.† Night. 18h.-7h. mm.	Rainfall.† Precipitation began.	Rainfall.† Precipitation began.	Sun. 24th Hours.
Lerwick	bc	bc	b	bc	45	42	•	-	0·1	-	0330	1·6
Stornoway	p	p	c	cqr	46	38	•	2	2	0900	-	1·5
Wick	b.bc	bcprb	b-bc	b-bc	46	36	•	0·3	-	1530	-	•
Castlebay	coP	oPbc	bco	oco	47	44	•	1	-	-	-	3·0
Nairn	bc	bccprg	bcxc	cq	46	35	•	1	-	1530	-	4·7
Aberdeen	om	ombcc	cbcb	bx	47	35	27	-	-	-	-	0·5
Malin Head	coV	cobcz	bczl	lcoz	47	39		-	-	-	-	3·5
Renfrew	oqm	oqmcb	b	b	47	38	28	Trace	Trace	<0800	-	0·4
Edinburgh (Inchkeith)	oo	c	b	b	47	39	*	-	-	-	-	0·2
Leuchars	d₀oco	ocbc	bcbb	bbx	48	34	28	Trace	0·1	<0800	2000	0·9
Eskdalemuir	oirmfcm	omco	obcb	bbcx	43	30	27	4	-	<0800	-	0·0
Tynemouth	r₀m	om	b-bcm	bm	45	36	32	0·3	-	<0800	-	•
Blacksod Point	oo	bbc	b	b	48	40	•	-	2	-	-	•
Donaghadee	oo	bc	c	o	47	38	•	-	-	-	-	•
Birr Castle	p₀rco	co	co	co	48	35	27	0.4	-	1100	-	3·0
Holyhead	ridm	om	ocbob	b	47	42	37	2	-	<0800	-	0·0
Liverpool (Bidston)	p₀o	oo	b		47	38	31	0·5	-	1100	-	0·0
Chester (Shotwick)	or₀mo	oo	ocp₀bcm	bcb bmx	48.	31	22	0·1	0·1	<0800	<2100	0·0
Spurn Head	r-d	r-d	oo	ombcmb	42	37	•	3	0·5	<0800	<2100	0·0
Birmingham (Edgbaston)	orr	orr₀	oir₀	obcf	44	36	28	4	-	<0800	-	0·0
Nottingham	rr	or	o₀cm	b	45	38	31	7	Trace	0900	2200	0·0
Cranwell	omr	rr	r₀om	cm	44	35	31	4	0·4	1100	<2100	0·0
Gorleston	bcom	omdd	omd	or₀ro	43	40	37	1	3	1530	<2100	0·2
Valencia (Cahirciveen)	bcbbc	cophb	cp₀rb	bcc	49	44	37	3	0·6	1530	<2100	1·8
Roches Point	ocbc	cprh	cpw	bw	50	37	•	0·6	0·3	1530	—	*
Pembroke (St. Ann's H.)	r-d	oo	cp	oo	47	43	•	3	1	0900	2200	0·0
Ross-on-Wye	orrir₀	oir₀	oir	ocb	46	37	28	2	3	0900	<2100	0·0
Leafield	morr	ddfo	orr	roco	44	36	*	7	2	<0800	<2100	0·0
Andover	oprm	orr₀rm	orrm	or₀rmb	44	39	34	6	5	1100	<2100	0·0
S. Farnborough	porrr	rrrr	orrm	orrmbm	45	39	32	4	5	1230	<2100	0·0
London (Kew Obsy.)	omr₀	omrr	orrm	orrmbm	47	42	36	4	5	1330	<2100	0·0
Croydon	om	orr	orrm	orrbm	45	42	39	4	7	1230	<2100	0·0
Clacton-on-Sea	om	ogmd	ogmdr	ogmdc	42	41	39	0·2	6	1630	<2100	0·0
Shoeburyness	oo	oorr	orroRR	ocbb	46	39	37	1	6	1530	<2100	0·0
Grain	om	orro	orr	orrob	47	37	31	1	9	1530	<2100	0·1
Lympne	.om	omr₀	orrF	occrdbm	43	41	38	0.1	9	1630	<2100	0·0
Scilly (St. Mary's)	omr	oc	bcb	b	50	45	•	3	-	<0800	-	*
Falmouth (Pendennis)	cor	co	bcbbc	bc	51	44	•	3	Trace	<0800	<2100	0·0
Plymouth (Cattewater)	orr	orr	orbp	bx	49	41	30	7	3	<0800	<2100	0·0
Portland Bill	r-d	r-d	c	b-bc	48	42	•	7	1	1100	<2100	•
Southampton (Calshot)	omorr	orrr₀	ord₀o	odcbcb	46	41	38	5	3	1100	<2100	0·0
Dungeness	oo	oo	r-d	r-d	45	42	•	Trace	7	1730	<2100	•
Guernsey	odorro	orrmo	or₀r₀oc	cbcb	48	42	•	10	1	1100	<2100	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Pressure.
2	24th 1030	"Anglia"	S	3	c	49	48	7
1	24th 1200	"Ibex"	SSW	4	or₀+	46	49	5
3	25th 0200	"Arundel"	N	4	or₀	47	48	7

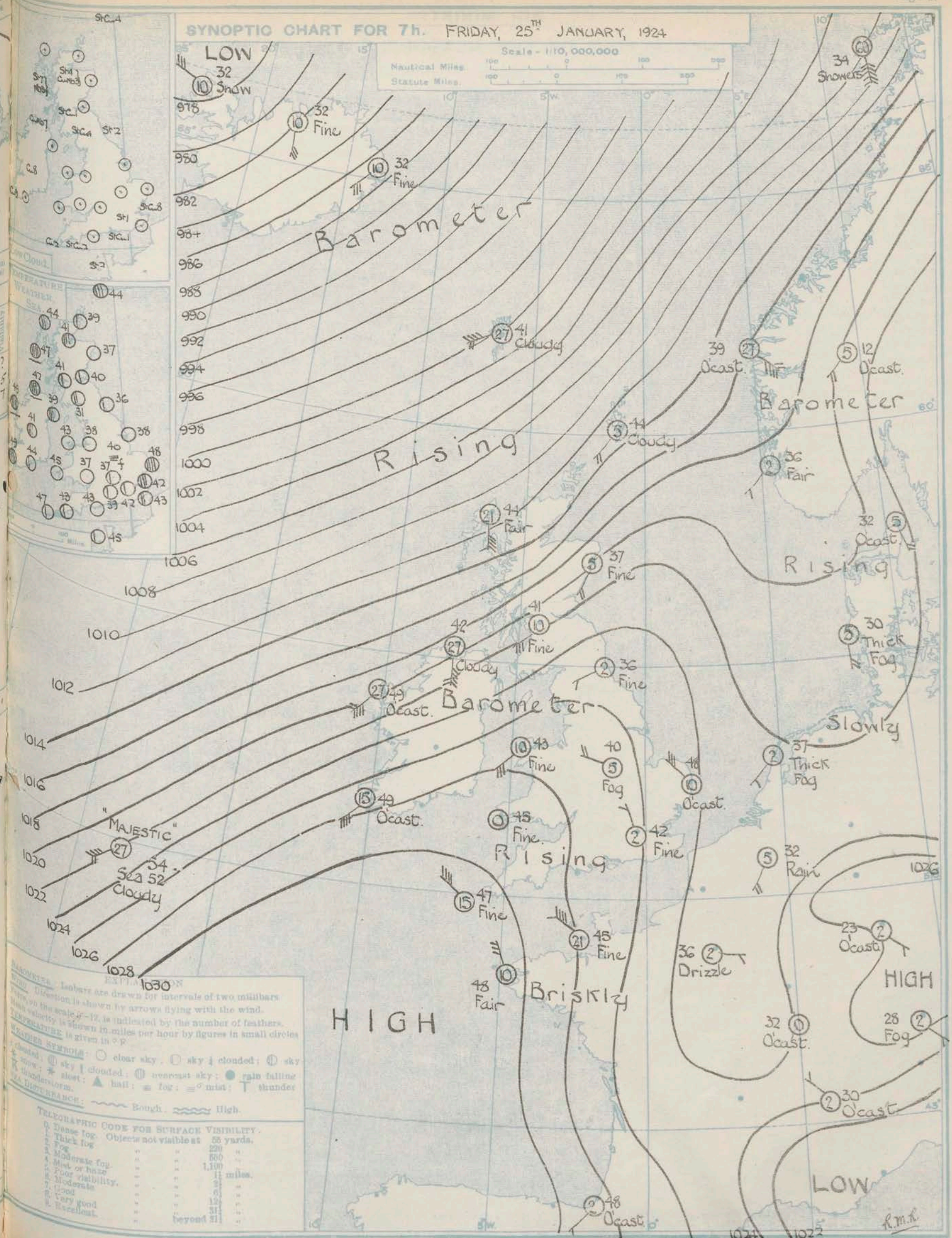
GENERAL INFERENCE.

Pressure is high from England to the Azores and over Central Europe. Winds will be from W. to S.W., with mainly fair and rather mild weather, but there are indications of a depression far out on the Atlantic, which will probably cause a renewal of unsettled conditions in western and northern districts.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Friday, 25th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England	Wind westerly, light or moderate; fine or fair; some mist at night; mild by day.	Unsettled in the North.
6. South Wales 7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland 19. S.E. Ireland 20. S.W. Ireland	Wind S. W., moderate or fresh, strong locally; fair at first, probably becoming cloudy with some rain later tomorrow; visibility good to moderate; rather mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0945 G. M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Friday 25th January 1924. No. 25

Observations at 0100 G.M.T. 25th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1010·1	+7	W	3	b	43	92	7	-	-	0	aCu	2
Stornoway	51	1010·8	+5	WSW	3	o-	*	*	5	*	*	*	*	*
Wick	81	1011·6	+4	SW	2	b	40	92	8	-	-	0	-	0
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1017·5	+3	S	5	bc+	43	85	7	-	-	0	CiCu	5
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1017·3	+6	SW	2	b	40	85	7	*	-	0	aCu	1
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1019·7	+5	SW	1	bc-	40	85	7	-	-	0	aCu	5
Blacksod Point	10	1019·8	+1	SW	5	c	46	75	5	*	*	*	*	7
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1022·3	+4	WNW	4	b	45	92	7	-	-	0	-	0
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	20	1020·4	+3	WNW	3	mo	40	97	4	2500	SCu	10	-	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1021·0	+4	NW	3	o	42	97	4	2500	SC	10	-	10
Gorleston	13	1020·4	0	W'N	2	od-	42	97	5	4000	Nb	10	-	10
Valencia (Cahirciveen)	30	1025·0	+3	S	2	bc	46	85	9	-	-	0	aCu	4
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1023·8	+7	-	0	bc	45	85	7	4000	SCu	6	-	6
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	45	*	*	*	*	*	*	*
Croydon	244	1020·8	+3	NNW	2	orr	44	97	4	450	Nb	10	-	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1019·6	-1	S	2	orr	43	97	1	150	Nb	10	-	10
Scilly (St. Mary's)	131	1024·2	+4	NW	5	b	46	85	8	4000	Cu	2	-	2
Falmouth (Pendennis)	200	1024·2	+3	NW	2	b+	44	85	8	5700	Cu	2	-	2
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1021·9	+4	NW	3	c-	46	92	7	4000	SCu	7	-	7
Southampton (Calshot)	12	1021·5	+3	NW	4	o/r	45	92	8	1500	SC	10	-	10
Dungeness	21	1019·9	-1	SSW	3	orr	44	97	6	2500	Nb	10	-	10
Guernsey														

Observations at 0700 G.M.T. 25th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun.
Lerwick	1013·2	+3	SSW	2	c+	44	85	7	5700	SCu	4	aCu	8	1
Stornoway	1011·4	0	S	5	bc	44	85	7	-	-	0	aSc	6	4
Wick	1014·5	+3	SW	2	b	39	92	8	-	-	0	CiSc	2	1
Castlebay	1014·1	0	S	4	o	47	75	8	1500	Sc	10	-	10	6
Nairn	1012·2	*	SW	2	c+	41	85	8	1500	Sc	7	-	7	*
Aberdeen	1020·0	+4	SSW	2	b	37	97	6	-	-	0	-	0	1
Malin Head	1018·1	0	S	6	c	42	92	7	4000	CuNb	7	aCu	8	5
Renfrew	1021·8	+3	SW	3	b	41	85	6	5700	SCu	1	-	1	*
Edinburgh (Inchkeith)	1021·4	+3	SW	4	b	40	85	7	*	-	0	CiCu	1	2
Leuchars	1020·5	+4	W	3	b	37	92	6	-	-	0	Ci	1	*
Eskdalemuir	1024·7	+3	SSW	3	bc	31	92	7	2500	SCu	4	-	4	*
Tynemouth	1024·1	+3	WSW	1	b	36	97	5	2500	Sc	2	-	2	1
Blacksod Point	1019·8	0	SW	6	o	49	85	7	*	*	*	*	10	7
Donaghadee	1023·6	+4	SSW	2	c+	39	92	8	-	-	0	aSc	8	2
Birr Castle	1025·4	*	S	1	c+	41	97	4	2500	Cu	8	-	8	*
Holyhead	1027·4	+5	SW'S	3	b	43	92	8	-	-	0	-	0	1
Liverpool (Bidston)	1027·3	+2	SW'W	2	b	38	92	7	-	-	0	-	0	3
Chester (Shotwick)	1026·8	+5	SE	2	b	32	92	6	-	-	0	-	0	*
Spurn Head	1025·8	+6	WNW	4	b	38	97	6	-	-	0	-	0	2
Birmingham (Edgbaston)	1028·3	+6	NW	2	ffb	37	97	3	-	-	0	-	0	*
Nottingham	1027·1	+6	W	2	ffb	40	92	2	-	-	0	-	0	*
Cranwell	1026·9	+6	WNW	3	b	36	97	6	4000	Sc	1	-	1	*
Gorleston	1024·3	+2	NW'N	3	o	24·3	97	6	-	-	0	aSc	10	0
Valencia (Cahirciveen)	1027·8	+2	SW	4	o	49	75	6	1500	Cu	9	-	9	6
Roches Point	1029·2	+3	-	0	b	44	97	8	-	-	0	aCu	2	1
Pembroke (St. Ann's H.)	1028·1	+7	-	0	b	45	92	8	-	-	0	-	0	4
Ross-on-Wye	1028·1	+5	WSW	1	b	37	92	8	-	-	0	-	0	*
Leafield	1028·1	+8	W'N	3	b-	37	97	5	-	-	0	aCu	1	*
Andover	1027·6	+5	NW	3	b	39	92	7	-	-	0	-	0	*
S. Farnborough	1027·2	+7	NNW	2	b-	39	97	5	-	SCu	1	-	1	*
London (Kew Obsy.)	1026·7	+6	N'W	1	b	42	92	5	1500	Sc	1	-	6	*
Croydon	1026·4	+7	NW	2	bc+	42	97	4	800	Sc	6	-		
Clacton-on-Sea	1024·2	+4	WNW	2	c-	42	97	6	7200	SCu	8	-	8	0
Shoeburyness	1025·8	+5	NW	3	b-	41	85	6	5700	SCu	1	-	1	*
Grain	1025·9	+6	NW	3	b-	39	97	6	800	Sc	2	-	2	0
Lympne	1025·1	+6	N	3	cb	41	97	5	800	Nb	5	aSc	8	*
Scilly (St. Mary's)	1030·5	+6	NW	4	b	47	92	8	4000	Cu	2	-	2	5
Falmouth (Pendennis)	1031·3	+7	WNW	2	b	43	75	8	5700	SCu	2	-	2	0
Plymouth (Cattewater)	1029·6	+4	N'W	1	b	42	92	8	-	-	0	-	0	1
Portland Bill	1027·7	+10	NW	3	b	43	92	7	-	-	0	-	0	5
Southampton (Calshot)	1027·4	+5	NW	4	b/r	41	92	7	5700	SCu	1	-	1	0
Dungeness	1024·7	+4	NNE	2	bc/r	43	92	7	-	-	0	CiCu	4	4
Guernsey	1028·3	+5	NW	5	b	45	92	6	1500	Sc	2	-	2	4

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 24th January 1924.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night, 23rd-24th	Temperature. Max. Day, 24th	Rainfall.† Night 17h.-9h. 23rd-24th	Rainfall.† Day 9h.-17h. 24th	Sunshine.	Sunshine. Sunrise to Sunset. 24th
			°F.	°F.	mm.	mm.		hr.
Douglas.	oFc	c	42	47	9	-		0·0
Montrose	ocm	cm	40	46	0·6	-		0·7
Berwick-on-Tweed	mdocc	ucc	38	46	0·5	-		0·0
Llandudno	o	o	40	51	-	-		0·0
Colwyn Bay	pc	bc	40	50	-	1		0·0
Rhyl	o	o	36	49	0·2	-		0·0
Southport	r	ro	38	46	2	1		0·0
Blackpool	oro	oro	38	46	2	0.4		0·0
Ilkley	oc,mo	o	38	45	0·5	1		0·0
Harrogate	oro	o	36	43	2	3		0·0
Skegness	co	or	37	42	-	2		0·0
Aberystwyth	ro	o	40	48	2	-		0·0
Bath	or	rr	39	48	Trace	2		0·0
Leamington Spa	or	or	39	45	1	6		0·0
Lowestoft	o	omr,	37	43	-	0.4		0·0
Felixstowe	om	om	38	42	-	-		0·0
Southend	mco	or	39	44	-	1		0·0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night, 23rd-24th	Temperature. Max. Day, 24th	Rainfall.† Night 17h.-9h. 23rd-24th	Rainfall.† Day 9h.-17h. 24th	Sunshine.	Sunshine. Sunrise to Sunset. 24th
			°F.	°F.	mm.	mm.		hr.
Ilfracombe	od	odm	40	49	2	3		0·0
Bude	r	r	39	49	1	2		0·0
Torquay	cord	r	43	49	0·1	2		0·0
Weymouth	or	r	41	48	-	9		0·0
Bournemouth	p	p	37	46	-	3		0·0
Portsmouth (S'thsea)	omo	orrm	41	46	-	4		0·0
Littlehampton	ocm	ocmr	43	45	-	4		0·0
Worthing	o	ord	43	46	-	3		0·0
Brighton	o	odrr	43	46	-	2		0·0
Eastbourne	o	or	42	47	-	1		0·0
Hastings								0·0
Folkestone	om	om	37	44	-	-		0·3
Dover	omg	omg	38	45	-	-		0·0
Tunbridge Wells	oco	oor	40	46	-	1		0·0
Ramsgate	o	om	38	49	-	-		0·0
Margate	o	o	37	44	-	-		0·0
Deal	oc	o	37	43	-	-		

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22710 Saturday 26th January 1924.

Observations at 1300 G.M.T. 25th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1011.9	-3	SSW	4	arg	44	85	6	4000	Nb	5	ASt	10	*
Stornoway	1010.1	-1	SSW	6	cPR	50	92	7	1500	Nb	8	-	8	*
Wick	1012.3	-4	SW	5	a	43	92	9	5700	StCu	6	ASt	10	*
Castlebay	1015.9	+2	WSW	6	apro	50	85	7	800	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1019.0	-3	SSW	4	o	43	85	6	4000	StCu	9	-	9	1
Malin Head	1021.3	+5	SW'W	7	o	50	92	7	2500	StCu	10	-	10	*
Renfrew	1023.1	+1	SW	6	add	46	92	5	1500	Nb	10	-	10	2
Edinburgh (Inchkeith)	1020.7	-2	SW	4	o-	45	85	8	*	St	3	ASt	10	*
Leuchars	1020.9	-2	SW	4	o	43	85	7	1500	St	10	-	10	1
Eskdalemuir	1025.8	+1	SW'S	6	o	40	97	6	450	St	10	-	10	1
Tynemouth	1026.4	+1	SW	2	b	45	85	5	2500	St	2	Ci Cu	3	*
Blacksod Point	1024.6	+2	SW	5	o	50	92	7	*	*	*	*	10	*
Donaghadee	1024.8	+1	WSW	3	bc-	50	85	8	450	St	3	Ci	5	*
Birr Castle	1022.7	*	S	1	c	50	85	7	4000	Cu	8	-	8	*
Holyhead	1025.6	o	SW'S	4	bc-	48	85	7	4000	StCu	4	ACu	5	1
Liverpool (Bidston)	1030.1	+1	SW	2	o+	46	75	7	2500	CuNb	9	-	9	*
Chester (Shotwick)	1030.3	+2	SW	3	o+	51	65	8	5700	StCu	7	Ci Cu	9	2
Spurn Head	1030.3	+4	WSW	3	mmb	42	92	4	-	-	0	-	0	*
Birmingham (Edgbaston)	1031.7	+3	NW	3	b/m	47	75	6	-	-	0	ACu	2	2
Nottingham	1030.8	+3	WSW	2	b	47	85	6	-	-	0	Ci St	1	*
Cranwell	1030.6	+1	W	2	b	47	75	6	-	-	0	-	0	2
Gorleston	1034.5	+4	NW'N	3	b-	48	75	6	-	-	0	-	0	*
Valencia (Cahirciveen)	1030.9	+2	SW'S	3	b	51	85	6	2500	Cu	3	-	3	1
Roches Point	1031.2	+1	WSW	3	bc	51	85	8	4000	Cu	3	Ci St	4	*
Pembroke (St. Ann's H.)	1032.3	+2	W'S	3	b	48	85	8	-	-	0	Ci	3	*
Ross-on-Wye	1032.1	+3	W	2	b+	49	65	8	-	-	0	Ci	1	2
Leafield	1031.9	+3	W'N	2	b	47	65	6	-	-	0	-	0	*
Andover	1032.2	+5	NNW	2	b	48	65	8	-	-	0	-	0	1
S. Farnborough	1032.2	+4	NW	3	b	47	85	6	-	-	0	-	0	2
London (Kew Obsy.)	1032.3	+3	N	2	b	47	75	6	-	-	0	-	0	2
Croydon	1032.4	+5	NNW	2	b	46	75	4	-	-	0	-	0	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1031.1	+5	NNW	4	b	47	75	6	-	-	0	-	0	*
Grain	1033.4	+4	NW	3	b	47	85	6	-	-	0	-	0	2
Lympne	1030.7	+4	N	4	b	46	75	6	-	-	0	ASt	1	2
Scilly (St. Mary's)	1034.0	+3	W	3	b	51	85	8	-	-	0	-	0	*
Falmouth (Pendennis)	1034.2	+3	NW	2	b-	50	75	8	5700	Cu	1	-	1	*
Plymouth (Cattewater)	1033.6	+2	NNW	1	b	50	75	7	4000	StCu	1	-	1	1
Portland Bill	1032.3	+4	-	0	b	49	75	7	-	-	0	-	0	*
Southampton (Calshot)	1032.4	+3	NW'N	4	b	47	85	6	-	-	0	-	0	2
Dungeness	1030.3	+6	NNE	3	bc	47	75	7	4000	St	3	Ci	4	*
Guernsey	1033.2	+5	N'W	4	b	47	85	7	-	-	0	-	0	*

Observations at 1800 G.M.T. 25th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Pres.
Lerwick	1011.6	+2	SE	6	ojp	48	85	6	4000	Nb	3	ASt	10	5
Stornoway	1015.6	+9	SSW	6	o/r	48	75	7	450	St	10	-	10	5
Wick	1015.1	+4	SW	3	bc-	48	92	8	5700	StCu	2	Ci St	6	3
Castlebay	1019.7	+4	SW	5	o	50	85	7	1500	St	10	-	10	6
Nairn	1018.4	*	W	3	bc	48	85	8	4000	Cu	4	ACu	6	*
Aberdeen	1021.0	+3	SW'S	3	b-	46	85	6	4000	StCu	1	-	1	1
Malin Head	1024.5	+3	SW'W	5	b	48	92	7	5700	StCu	3	-	3	5
Renfrew	1025.3	+5	WSW	2	o+	50	75	6	1500	StCu	5	ASt	10	*
Edinburgh (Inchkeith)	1023.5	+5	SW	5	bc-	46	92	7	*	St	4	-	4	3
Leuchars	1022.1	+3	WSW	6	bc-	48	85	7	1500	StCu	3	Ci	4	*
Eskdalemuir	1028.5	+3	S	3	o	42	97	6	1500	St	10	-	10	*
Tynemouth	1028.4	+3	S	2	o	44	92	5	1500	St	9	-	9	1
Blacksod Point	1025.9	0	SW	5	o	50	85	5	*	*	*	*	10	5
Donaghadee	1027.3	+3	S	3	bc+	47	92	8	800	St	6	-	6	3
Birr Castle	1030.4	*	SSE	1	bc-	46	85	6	4000	StCu	6	-	6	*
Holyhead	1032.0	+1	SW'S	3	b	46	97	6	4000	StCu	2	Ci St	3	3
Liverpool (Bidston)	1032.2	+2	SW'W	3	bo	45	85	7	-	-	0	-	0	3
Chester (Shotwick)	1031.9	+2	SW	4	b-	45	85	8	4000	StCu	1	-	1	*
Spurn Head	1032.0	+3	SW	3	bo	41	97	5	-	-	0	-	0	0
Birmingham (Edgbaston)	1033.9	+2	WSW	3	b	44	78	7	-	-	0	Ci	2	*
Nottingham	1033.0	+2	SW	2	bo	45	92	6	-	-	0	-	0	*
Cranwell	1032.7	+3	WSW	2	bc-	43	92	6	5700	StCu	4	ACu	6	*
Gorleston	1032.6	+2	W	1	bo	42	75	5	-	-	0	-	0	0
Valencia (Cahirciveen)	1031.3	0	S	4	b+	48	85	6	2500	Cu	1	ASt	3	4
Roches Point	1033.1	+2	W	1	b	47	97	7	2500	StCu	1	Ci St	2	3
Pembroke (St. Ann's H.)	1033.9	+2	W'S	3	b	46	97	8	-	-	0	Ci St	3	4
Ross-on-Wye	1034.0	+4	SW	2	bo	43	85	7	-	-	0	-	0	*
Leafield	1034.7	+3	WSW	2	b	45	85	8	-	-	0	ACu	2	*
Andover	~~1033.5~~ 1035.1	+4	SW	1	bo	39	92	6	-	-	0	-	0	*
S. Farnborough	1035.2	+4	-	0	bo	38	97	7	-	-	0	-	0	*
London (Kew Obsy.)	1035.0	+4	W'N	1	ffb	43	85	3	-	-	0	-	0	*
Croydon	1034.5	+3	W	1	bo	40	85	4	-	-	0	-	0	*
Clacton-on-Sea	1033.6	+3	WNW	1	bo	41	85	6	-	-	0	ACu	3	0
Shoeburyness	1034.4	+4	NNW	1	mmb	41	75	4	-	-	0	-	0	*
Grain	1035.0	+4	-	0	bo	38	92	5	-	-	0	-	0	0
Lympne	1034.1	+5	NNW	2	bo	38	92	6	-	-	0	-	0	*
Scilly (St. Mary's)	1035.6	+1	-	0	bo	48	97	5	-	-	0	-	0	1
Falmouth (Pendennis)	1037.5	+3	W	2	b+	46	92	8	4000	StCu	2	-	2	0
Plymouth (Cattewater)	1036.0	+4	NNW	2	b	47	85	6	2150	St	2	-	2	0
Portland Bill	1035.5	+5	NW	1	bo	46	85	7	-	-	0	-	0	4
Southampton (Calshot)	1035.7	+4	-	0	bo	40	85	6	-	-	0	-	0	0
Dungeness	1034.0	+5	-	0	bo	40	85	7	-	-	0	-	0	1
Guernsey	1036.0	+4	N'W	3	bo	45	92	7	-	-	0	-	0	1

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning. (24 hours ended 0000 G.M.T. 26th)	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity. 15h. G.M.T. % (Yesterday)	Humidity. 9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	bmb	b bz	b[illegible]	*	*	24	-	Tr	6.3	*	*	2
Croydon } 24 hours ended 0700	244	bcbfm	bzm	bmzfm	*	*	29	-	0.1	5.4			3
Greenwich (Royal Obsy.)	149	bc	cm	cbfxcf	43	33	24	-	-	5.8	64	100	1
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	3.9	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	50	35	28	-	-	4.4	87	94	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	5.9	*	*	*
Camden Square	110	b	b	*	49	36	30	-	-	*	*	98	*
Kensington Palace	80	b	bcz	*	49	36	26	-	-	*	(At 18h 78)	92	*
Hampstead Observatory	450	*	*	*	48	36	24	-	Tr	6.4	*	98	*

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 25th

South Kensington

Max.	Time.	Min.	Time.
-	-	-	-
-	-		

Kew Observatory

Max.	Time.	Min.	Time.
0.3	21h 24m	<0.3	1h. 25m
0.4	9h 25m		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 25th 17h 30m. to 26th 6h 45m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	13 15	9 35	72
δ Ursae Minoris	13 15	6 44	51

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

25th & 27th January 1924

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.47	12.6	4.24
	7.46	12.5	4.26
Greenwich	7.50	12.13	4.35
	7.49	12.13	4.37
Wick	8.34	12.25	4.15
	8.32	12.25	4.17
Valencia	8.33	12.54	5.14
	8.32	12.54	5.16

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain.
rr = continuous rain.

SYMBOLS.

< = less than (for cloud height). before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.
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.
- = "decreasing": + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea.

[1] For explanation see Introduction.

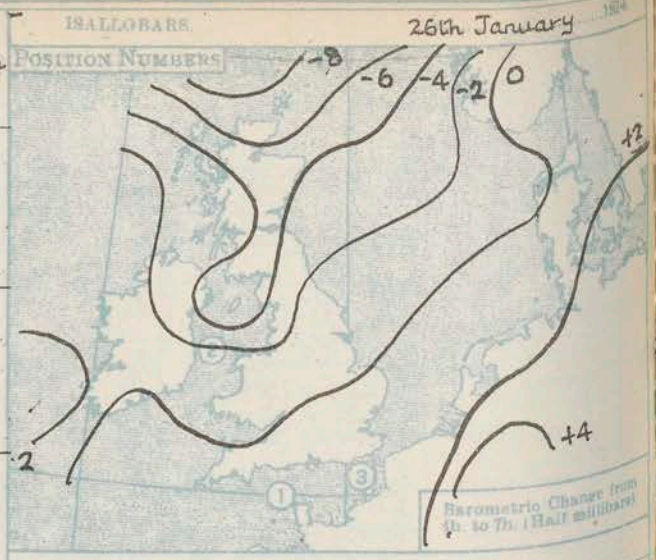
* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 25th	13h.-18h. 25th	18h. 25th to 1h. 26th	1h.-7h. 26th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began.	SUN. 25th Hours.
Lerwick	cq	odq	oqr	omp	48	43	•	0.4	1	1430	<2100	1·0
Stornoway ...	p	c	c	r-d	51	45	•	4	4	-	0230	0·0
Wick	p	oo	c	oo	48	45	•	Trace	-	1100	-	•
Castlebay	op	opo	oro	or	51	46	•	0·2	0·4	-	-	0·0
Nairn	cgdbc	cbcg	bccqr	cgqr	50	45	•	0·1	-	1100	-	2·1
Aberdeen	bbcc	ocbcb	bbco	ooqr	46	43	35	-	-	-	-	0·6
Malin Head	Pocoe	coz	bccoz	coz	50	45		-	-	-	-	0·0
Renfrew	bor,bdq	oddqbco	ocbc	bcorrqr	50	44	41	1	1	0900	0630	0·1
Edinburgh(Inchkeith)	co	c	bc	c	47	44	*	-	-	-	-	3·2
Leuchars	bbcop,o	ocbcq	bcbqr	bcbqr	48	44	40	0·1	-	1100	-	1·8
Eskdalemuir ...	ompr	odom	omo	op,o	43	40	39	1	Trace	1100	0530	0·0
Tynemouth	bm	om	cm	oom	48	45	40	-	-	-	-	•
Blacksod Point ...	c	oo	p	c	50	44	•	-	-	-	-	•
Donaghadee	or	bc	oqr	oqr	51	43	•	1	-	<0800	-	•
Birr Castle	co	cobc		co	52	43	34	-	-	-	-	2·5
Holyhead	bbcoir,	bcb	bboiq	oov	49	46	42	0·1	Trace	1100	2400	2·3
Liverpool (Bidston)...	bbcc	b	bco		50	38	32	-	-	-	-	4·4
Chester (Shotwick) ..	bmxbco	obbc	b	bcc	54	40	31	-	-	-	-	5·6
Spurn Head	bbm	bcmbz	b-bc	c	45	39		-	-	-	-	6·7
Birmingham(Edgbaston)	fbc	bbcb	bbm	bbcf	48	34	30	-	0·3	-	-	5·6
Nottingham	m	c	b	bbc	48	35	28	-	-	-	-	4·7
Cranwell	bbc	mbbcc	b-bc	b-bc	47	39	35	-	-	-	-	6·6
Gorleston	ombcb	bm	bxm	bmbcx	49	35	31	-	-	-	-	6·4
Valencia (Cahirciveen)	ebcb	cbcb	bbcc	co	52	47	43	-	-	-	-	2·0
Roches Point	ppc	bcb	bw	bo	53	46	•	-	Trace	-	-	*
Pembroke(St.Ann's H.)	bpc	bbc	c	c	48	46	•	-	-	-	-	6·1
Ross-on-Wye	bb	bybcb	b	b bx	51	34	27	-	-	-	-	7·7
Leafield ...	b	bc	bcff	ffeco	48	35	*	-	0·1	-	-	8·1
Andover	b	bbm	bm	bmxcfe	49	30	22	-	Trace	-	-	7·4
S. Farnborough ...	bbmm	bmb	b	bbf	49	28	23	-	-	-	-	7·2
London (Kew Obsy.)...	bmb	bbz	bfx	bfxomw	49	35	24	-	Trace	-	-	6·3
Croydon	bcbfm	bzm	bmxm	bxfem	47	35	29	-	0·1	-	-	5·4
Clacton-on-Sea ...	cbcm	bcm	bcbmx	bbcmx	47	35	28	-	-	-	-	6·9
Shoeburyness.. ...	b	bbmw	mbw	off	48	34	32	-	0·1	-	-	6·7
Grain	bbm	bbm	bfxF	Fe	47	29	24	-	0·2	-	-	7·0
Lympne	bcbm	bm	b-bc	bbcmx	47	34	23	0·1	Trace	<0800	-	6·3
Scilly (St. Mary's) ...	b	bm	bw	bcw	51	45	•	-	0·4	-	-	-
Falmouth (Pendennis)	bc	bc	bcF	Fbc	51	45	•	-	Trace	-	2200	7·1
Plymouth(Cattewater)	b	bm	b	bo	51	37	*	-	-	-	-	7·1
Portland Bill	bbc	bbc	b-bc	b-bc	49	43	•	-	-	-	-	
Southampton(Calshot)	bm	b	b	bmwF	49	32	28	-	-	-	-	7·6
Dungeness	bbc	bbc	b-bc	b-bc	47	32	•	-	-	-	-	
Guernsey	bbc	b	bw	bwx	47	43	•	-	Trace	-	-	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	25th 1010	"Cambria"	SSW	5	0	47	46	6
3	25th 0300	"Brighton"	NE	1	b-bc	44	48	6

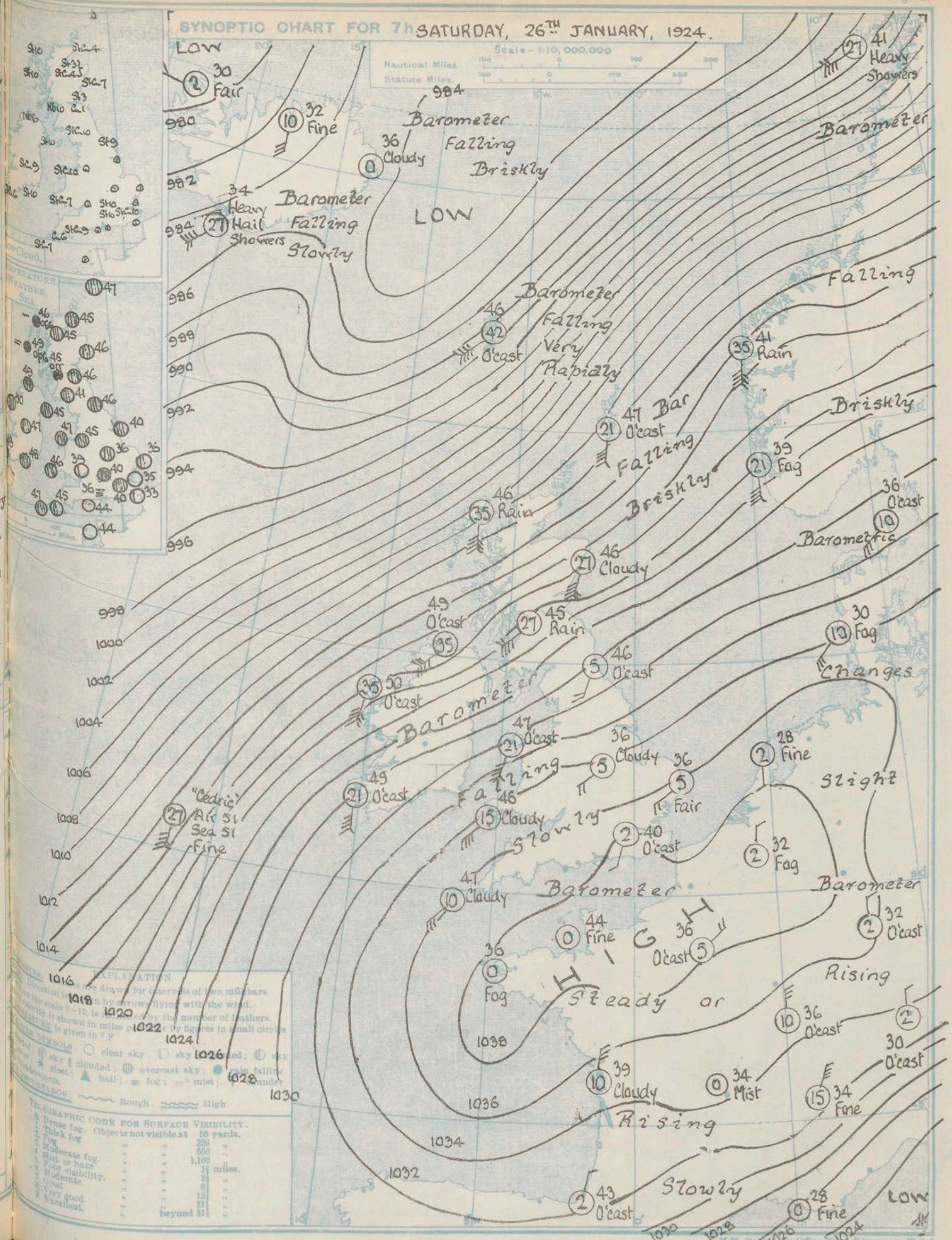
GENERAL INFERENCE.

The anticyclone is now over France, and pressure continues very low in the Iceland region. Winds will be generally south or south-west, light or moderate in the Southeast and strong to a gale in the Northwest. Weather will be mainly cloudy and rather mild with occasional rain or showers in Scotland and North Ireland and local drizzle elsewhere.

Districts.	Forecasts for the 24 hours commencing 15 h. G.M.T. Saturday, 26th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind S. or S. W., light or moderate; fair periods, cloudy at times, local drizzle; mist or fog in places; moderate temperature to rather mild.	Unsettled generally. ----------
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Wind S. or S. W., fresh or strong at times; mainly cloudy, local drizzle; mist in places; rather mild.	
11. E. Scotland 12. S.W. Scotland	Wind S. or S. W., strong; mainly cloudy, occasional rain or showers; visibility moderate; rather mild or moderate temperature.	South Cone hoisted at 2030, on 25/1/24, and at 0910, 26/1/24.
13. Isle of Man 14. N.& N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Wind S. or S. W., strong, a gale locally; mainly cloudy, occasional rain or showers; visibility moderate; rather mild or moderate temperature.	
19. S.E. Ireland 20. S.W. Ireland	As 7 - 10.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Saturday 26th January 1924. No. 26

Observations at 0100 G.M.T. 26th

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1016.9	+3	WSW	5	ojp	46	92	6	4000	Nb	10	-	10
Stornoway	51	1016.7	0	SW	6	o	•	•	5	•	•	•	•	•
Wick	81	1017.7	-1	SW	4	c	46	92	8	5700	SiCu	4	CiSi	7
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1022.2	-4	S	7	o+	47	92	7	-	-	0	asi	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	100	1026.8	+1	SW	4	bc	46	85	8	•	SiCu	4	CiCu	5
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1030.3	0	SW	1	o+	45	85	6	1500	Si	9	-	9
Blacksod Point	10	1022.3	-1	SSW	6	o	48	85	5	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1032.6	0	SSW	4	odp	47	97	7	1500	Si	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1034.2	+2	WSW	3	b	39	97	5	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1035.0	+2	W	3	b	40	97	5	-	-	0	CiSi	1
Gorleston	13	1034.7	0	W'S	3	mmb	37	92	5	-	-	0	-	0
Valencia (Cahirciveen)	30	1029.4	-2	SE	3	cjb	49	92	8	-	-	0	asi	8
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1035.9	+1	WSW	3	c	46	97	7	4000	SiCu	7	-	7
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	550	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	230	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	37	•	•	•	•	•	•	•
Croydon	244	1037.2	0	SW'S	2	b	35	97	5	-	-	0	-	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1036.7	+4	NW'N	2	b	35	97	5	-	-	0	-	0
Scilly (St. Mary's)	131	1036.7	+1	-	0	bc+	47	97	7	4000	SiCu	5	-	5
Falmouth (Pendennis)	200	1037.4	0	W	1	Fb	45	97	1	-	-	0	-	0
Plymouth (Cattewater)	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1036.5	+1	-	0	b	45	85	7	-	-	0	-	0
Southampton (Calshot)	12	1037.6	+2	WNW	2	b	38	97	7	-	-	0	-	0
Dungeness	21	1036.9	+2	N	1	b	33	97	6	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 26th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind.* Direc.	Wind.* Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sunshine. Sunrise to Sunset. 25th hr.
Lerwick	1011.7	-6	S	5	o	47	85	6	-	-	0	asi	10	4.6
Stornoway	1008.4	-5	S	7	ore	46	97	6	450	Si	10	-	10	1.3
Wick	1012.3	-7	SW	3	o	45	92	8	5700	SiCu	4	CiSi	10	7.7
Castlebay	1013.8	-2	SW	5	opr	49	92	6	1500	Si	10	-	10	•
Nairn	1014.8	•	WSW	6	c	45	75	8	1500	SiCu	7	-	7	•
Aberdeen	1019.9	-4	SSW	6	c	46	85	7	5700	SiCu	7	-	7	1.5
Malin Head	1018.9	-3	SW	7	o	49	92	7	5700	Nb	6	asi	10	•
Renfrew	1023.4	-3	SW	6	orr	45	85	6	1500	Nb	10	-	10	•
Edinburgh (Inchkeith)	1022.5	-4	SW	4	o+	46	75	8	•	Cu	1	asi	9	2.3
Leuchars	1021.9	-6	SW	4	b	44	75	7	4000	Si	3	-	3	•
Eskdalemuir	1026.7	-4	S'W	6	o	41	97	7	1500	SiCu	10	-	10	•
Tynemouth	1028.3	-2	SSW	2	o	46	75	6	1500	Si	9	-	9	0.0
Blacksod Point	1020.8	-1	SSW	7	o	50	85	7	•	•	•	•	10	7.4
Donaghadee	1023.0	-4	S	4	o+	45	85	8	800	Si	10	-	10	•
Birr Castle	1027.4	•	SSE	4	o+	47	85	5	2500	SiCu	9	-	9	•
Holyhead	1031.7	-2	SSW	5	o	47	85	9	2500	SiCu	10	-	10	3.4
Liverpool (Bidston)	1031.8	-2	S	3	o+	45	75	7	-	-	0	CiSi	9	•
Chester (Shotwick)	1032.4	-3	S	4	o+	46	75	8	5700	SiCu	6	aCu	9	•
Spurn Head	1033.7	0	SW'W	3	c+	40	97	6	-	-	0	asi	7	1.1
Birmingham (Edgbaston)	1035.7	0	S	2	fbc-	35	92	2	-	-	0	Ci	5	•
Nottingham	1034.8	-1	SW	2	c+	36	97	5	-	-	0	Ci	7	•
Cranwell	1034.5	-1	SW'W	3	c+	41	92	7	7200	Si	1	asi	8	•
Gorleston	1036.0	+1	SW'W	2	bc+	36	92	6	-	-	0	CiSi	4	0.0
Valencia (Cahirciveen)	1028.7	-2	S'E	5	o	49	85	6	1500	SiCu	6	asi	10	6.6
Roches Point	1032.2	0	SW	4	o	48	97	6	800	Si	10	-	10	3.3
Pembroke (St. Ann's H.)	1034.9	-1	SW	4	c	46	97	8	2500	SiCu	7	-	7	4.4
Ross-on-Wye	1035.6	-1	SE	1	b	39	97	7	-	-	0	Ci	1	•
Leafield	1036.6	0	SSW	3	olf	40	97	5	4000	Si	10	-	10	•
Andover	1037.9	0	SSW	1	ffo	33	97	2	4150	Si	10	-	10	•
S. Farnborough	1038.0	0	WSW	2	fo+	36	97	2	4150	Si	10	-	10	•
London (Kew Obsy.)	1037.9	0	S'W	1	o	40	97	4	1500	SiCu	10	-	10	•
Croydon	1038.0	+2	WSW	2	olf	39	97	5	450	Si	10	-	10	•
Clacton-on-Sea	1036.7	0	WNW	1	mmb	35	97	5	-	-	0	CiSi	10	0.0
Shoeburyness	1037.7	+1	W	2	ffo	36	85	1	220	Si	10	-	10	•
Grain	1038.2	0	WSW	3	ffo	36	97	1	4150	Si	10	-	10	•
Lympne	1037.6	+1	N	2	bc⊕	35	92	5	-	-	0	Ci	4	•
Scilly (St. Mary's)	1036.4	0	SW'S	3	c+	47	97	7	4000	SiCu	7	-	7	2.0
Falmouth (Pendennis)	1038.5	0	SW	2	bc+	45	97	7	4000	Cu	6	-	6	0.0
Plymouth (Cattewater)	1037.6	+2	E	2	o	41	97	6	4000	SiCu	9	-	9	0.0
Portland Bill	1037.8	0	E	1	b	44	85	7	-	-	0	-	0	4.0
Southampton (Calshot)	1038.4	0	NW'N	2	ffb	32	97	1	-	-	0	-	0	0.0
Dungeness	1037.0	+1	N	1	b	33	92	6	-	-	0	aCu	2	3.0
Guernsey	1038.1	0	-	0	b	44	97	7	-	-	0	-	0	0.0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 25th January 1924

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night 24-25th °F.	Temperature. Max. Day 25th °F.	Rainfall.† Night 17h.-9h. 24-25th mm.	Rainfall.† Day 9h.-17h. 25th mm.	Sunshine.	Sunrise to Sunset. 25th hr.
Douglas	ac	b	39	48	-	-		0.7
Montrose	bcm	bcbm	33	48	-	-		0.6
Berwick-on-Tweed	cbzxb	bcbcc	34	47	-	-		1.9
Llandudno	bbcc	bc	37	51	-	-		5.0
Colwyn Bay	bc	bc	40	53	-	-		4.0
Rhyl	bcc	cbc	33	55	-	-		5.0
Southport	xbbcc	cbcc	36	47	0.1	-		2.3
Blackpool	bbc	c	34	46	0.4	-		2.5
Ilkley	cbcbc	bcbcc	33	46	-	-		1.1
Harrogate	cbbc	o	33	45	0.2	-		2.1
Skegness	acb	bbca	36	48	1	-		6.6
Aberystwyth	rcb	b	36	48	0.5	-		5.0
Bath	fb	bm	34	51	5	-		5.3
Leamington Spa	bz	bccb	34	48	1	-		5.3
Lowestoft	b	b	38	47	3	-		6.5
Felixstowe	bcm	bm	39	47	5	-		6.6
Southend	mbcb	b	38	48	8	-		6.6
Ilfracombe	b	b	43	50	3	-		6.2
Bude	mbcbb	bbmbb	37	51	2	-		6.7
Torquay	b	b	38	52	2	-		7.1
Weymouth	b	b	39	50	1	-		7.7
Bournemouth	b	b	38	50	3	-		7.8
Portsmouth (S'thsea)	b	b	41	50	6	-		7.6
Littlehampton	bc	bc	43	49	6	-		7.6
Worthing	b	b	41	48	7	-		7.2
Brighton	b	bm	42	49	7	-		6.8
Eastbourne	b	b	41	49	9	-		6.0
Hastings	bmb	bm	42	48	9	-		6.9
Folkestone	rmcab	b	42	48	8	-		5.6
Dover	mcacb	mbm	43	47	7	-		5.5
Tunbridge Wells	b	bbm	40	50	9	-		6.7
Ramsgate	bcmb	bm	41	47	5	-		5.5
Margate	ob	b	40	44	4	-		6.1
Deal	cbcb	b	39	46	4	-		5.4

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3 ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B227!! SUNDAY, 27th JANUARY 1924. Page 1.

Observations at 1300 G.M.T. 26th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1009.0	-2	WSW	7	or/o	46	97	6	4000	Nb	10	-	10	*
Stornoway	1009.5	+1	W	4	o/r	45	97	6	450	St	10	-	10	*
Wick	1010.6	-2	SW	5	o	47	92	8	1500	St	4	A.St	10	*
Castlebay	10126	-2	SW	6	or	49	97	6	800	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1017.2	-4	SSW	5	o	48	85	7	1500	St	10	-	10	1
Malin Head	1017.6	-1	SW	7	o	50	92	7	4000	Nb	6	A.St	10	*
Renfrew	1024.6	-4	SW	5	o/r	47	85	7	1500	St	7	A.St	10	2
Edinburgh (Inchkeith)	1021.5	-2	SW	5	o/r	47	85	8	*	St	10	-	10	*
Leuchars	1018.7	-4	SW	8	o	48	75	7	1500	St	9	-	9	1
Eskdalemuir	1024.6	-3	SWS	7	orr	43	97	5	1500	Nb	10	-	10	2
Tynemouth	1027.1	-1	SSW	3	o	47	75	6	800	Nb	10	-	10	*
Blacksod Point	1019.3	-1	SSW	7	o	51	85	7					10	*
Donaghadee	1024.1	-1	SW'W	4	o	48	75	8	800	St	10	-	10	*
Birr Castle	1027.4	*	S	4	c	49	75	8	4000	Cu	8	-	8	*
Holyhead	1030.9	-1	SSW	6	o	48	92	7	2500	St.Cu	10	-	10	01
Liverpool (Bidston)	1030.8	-2	SSW	5	o	49	75	7	2500	Nb	9	-	9	*
Chester (Shotwick)	1031.9	0	SSW	4	o	50	65	9	4000	St.Cu	8	A.Cu	10	2
Spurn Head	1031.4	-2	SW'W	4	o	43	92	6	5700	St.Cu	6	Ci.St	9	*
Birmingham (Edgbaston)	1035.0	-1	SW	4	c	43	85	6	-	-	0	A.Cu	8	2
Nottingham	1033.5	-1	SW	4	o	48	85	6	-	-	0	Ci.St	9	*
Cranwell	1032.9	-1	SW'W	4	c	48	85	7	5700	St.Cu	3	A.Cu	8	1
Gorleston	[1034.7]	-1	WSW	3	fo	36	92	2	1500	St	10	-	10	*
Valencia (Cahirciveen)	1028.3	-2	S	6	o	51	75	6	2500	Cu	2	A.St	9	1
Roches Point	1031.2	-1	SSW	4	o	49	92	7	1500	St.Cu	5	A.St	10	*
Pembroke (St. Ann's H.)	1034.6	0	SW	5	c	47	92	7	4000	St.Cu	8	-	8	*
Ross-on-Wye	1034.8	-1	SW	3	c	49	85	7	-	-	0	Ci.Cu	7	2
Leafield	1035.1	-2	W	2	bc-	44	92	6	1500	St	3	Ci.Cu	5	*
Andover	1037.1	-1	SW	3	o	41	97	8	1500	St.Cu	10	-	10	2
S. Farnborough	1037.9	0	WSW	3	o+	42	97	6	800	St	10	-	10	2
London (Kew Obsy.)	1037.6	-2	WSW	3	o/f	44	92	6	1500	St	10	-	10	1
Croydon	1037.3	-2	W'N	3	c+	47	85	6	2500	Cu	4	Ci	8	2
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1037.3	-2	SW	2	mo-	42	85	4	2500	St	6	A.St	10	*
Grain	1037.6	-1	SSW	3	c+	43	92	5	2500	St	5	A.Cu	7	2
Lympne	1037.1	-2	SW	2	b	43	85	6	-	-	0	Ci	2	2
Scilly (St. Mary's)	1036.9	+1	S'W	3	bc-	50	92	7	4000	St.Cu	2	A.Cu	5	*
Falmouth (Pendennis)	1038.1	0	WSW	5	bc	49	85	8	4000	St.Cu	5	-	5	*
Plymouth (Cattewater)	1037.6	-2	SSW	2	bc	50	85	7	4000	St.Cu	3	Ci.St	4	1
Portland Bill	1037.4	0	W	2	b+	48	85	7	-	-	0	Ci.St	2	*
Southampton (Calshot)	1038.5	-1	SSW	2	c/f	39	97	5	800	St	7	Ci	8	1
Dungeness	1037.9	+1	NW	2	b/f	45	85	6	-	-	0	Ci.Cu	2	*
Guernsey	1038.0	-1	-	0	b/f	51	75	7	4000	Cu	1	Ci	2	*

Observations at 1800 G.M.T. 26th

STATIONS.	Barom. at M.S.L. mb	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1008.3	0	W	2	or-	43	97	6	4000	Nb	10	-	10	1
Stornoway	1010.0	+1	-	0	o/r	41	97	6	450	St	10	-	10	0
Wick	1008.7	-2	WNW	1	odd	44	92	7	800	St	10	-	10	0
Castlebay	1012.9	+3	WNW	4	or-	43	97	7	800	Nb	10	-	10	6
Nairn	1009.2	*	WSW	7	c+	50	85	8	1500	St	8	-	8	*
Aberdeen	1012.9	-4	SSW	5	c	48	85	6	4000	St.Cu	8	-	8	1
Malin Head	1014.5	-3	SW	7	odd	49	97	6	4000	Nb	8	A.St	10	6
Renfrew	1018 Corrected	-4	SW	5	o	48	75	7	2500	St	6	A.St	10	*
Edinburgh (Inchkeith)	1015.0	-6	SW	7	o+	48	75	7	*	St	3	A.St	10	4
Leuchars	1015.8	-4	WSW	7	o	49	75	7	1500	St	7	A.St	10	*
Eskdalemuir	1022.0	-3	SSW	6	o	43	85	6	1500	St.Cu	5	A.St	10	*
Tynemouth	1024.0	-2	SW	4	bc	47	75	6	1500	Cu	6	-	6	1
Blacksod Point	1017.8	0	SSW	8	oPR+	51	85	5	*	*	*	*	10	?
Donaghadee	1020.5	-3	SW	5	bc	50	75	8	450	St	6	-	6	4
Birr Castle	1024.6	*	SSW	2	c-	50	75	6	4000	Cu	7	-	7	*
Holyhead	1028.7	-4	S'W	5	o	48	85	8	5700	St.Cu	10	-	10	5
Liverpool (Bidston)	1028.4	-1	SW'S	5	o+	48	65	8	1500	Cu.Nb	10	-	10	6
Chester (Shotwick)	1028.8	0	W	5	o	50	65	8	2500	St	7	A.St	10	*
Spurn Head	1030.2	-2	SW	5	o	43	92	7	2500	St	10	-	10	2
Birmingham (Edgbaston)	1033.2	-1	SW	4	o+	42	92	6	1500	St	10	-	10	*
Nottingham	1032.3	-1	SW	3	o	43	97	7	-	-	0	Ci.St	9	*
Cranwell	1031.6	0	SW	4	o	44	92	6	4000	St.Cu	5	A.St	10	*
Gorleston	1033.2	-2	SW	4	o	38	97	6	-	-	0	A.St	10	0
Valencia (Cahirciveen)	1027.6	+1	S'W	6	o	51	75	6	1500	St.Cu	8	A.St	10	7
Roches Point	1029.4	-2	SW	5	bc-	49	92	8	-	-	0	A.Cu	4	6
Pembroke (St. Ann's H.)	1033.3	-1	SW	5	c	47	92	7	4000	St.Cu	7	-	7	4
Ross-on-Wye	1033.8	-1	SSW	4	o-	47	75	7	-	-	0	A.St	9	*
Leafield	1035.0	0	S	2	o+	41	92	6	-	-	0	A.St	9	*
Andover	1036.2	0	S'W	3	c+	40	97	7	7200	St.Cu	5	Ci	7	*
S. Farnborough	1036.4	-2	-	0	bc	40	97	6	-	-	0	A.St	4	*
London (Kew Obsy.)	1036.5	-1	SW	1	c	40	92	5	-	-	0	A.St	7	*
Croydon	1036.2	-1	SW	3	o	39	97	5	-	-	0	Ci.St	10	*
Clacton-on-Sea	1035.2	-1	SW	2	o	41	97	6	1500	St	5	A.St	10	0
Shoeburyness	1035.9	-2	SW	2	bc-	41	85	6	-	-	0	A.St	5	*
Grain	1036.6	0	SSW	4	b	40	92	6	-	-	0	Ci.St	2	0
Lympne	1036.5	0	WSW	3	o+	40	92	5	800	St	3	Ci	9	*
Scilly (St. Mary's)	1035.5	-2	SW'S	4	bc+	48	97	7	4000	St.Cu	2	Ci.Cu	4	4
Falmouth (Pendennis)	1037.7	-1	WSW	4	bc	47	92	8	4000	St.Cu	4	-	4	0
Plymouth (Cattewater)	1037.3	0	SSW	2	c-	47	92	7	2500	St.Cu	8	-	8	0
Portland Bill	1036.8	-2	W	2	bc+	47	92	7	-	-	0	A.Cu	4	4
Southampton (Calshot)	1037.1	-1	SW	3	bc+	44	92	7	-	-	0	A.St	6	0
Dungeness	1036.9	-1	WSW	4	bc-	42	92	7	2500	Cu	4	-	4	4
Guernsey	1038.0	0	WSW	4	FFb	41	97	1	-	-	0	-	0	0

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Temperature. Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0600 G.M.T. 27th											
Kew	16	ofom	omem	bmwcb	*	*	33	tra	tra	0.1	*	*	6
Croydon } 24 hours ended 0700	244	odfbm	cbcom	bomwo	*	*	34	tra	-	6.2	*	*	6
Greenwich (Royal Obsy.)	149	obcf	bem	boz	45	39	30	-	-	3.4	86	89	*
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0.0			*
Westminster (St. James' Pk.)	27	*	*	*	45	39	33	-	-	0.2	*	*	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	*			*
Camden Square	110	fco	o	*	44	39	35	-	-	*	81		*
Kensington Palace	80	oc	ocbc	*	44	[illegible]	33	-		*	At 18h 85		*
Hampstead Observatory	450	*	*	*						0.1	92		*

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 27th

South Kensington

Max.	Time.	Min.	Time.
-	-	-	-
-			

Kew Observatory

Max.	Time.	Min.	Time.
-	-	-	-
-	-		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 26th ....h.....m. to 27th ....h.....m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	-	-	-
δ Ursae Minoris	-	-	-

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain, or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

27th & 28th JAN., 1924

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.46	12.6	4.26
	7.44	12.6	4.28
Greenwich	7.49	12.13	4.37
	7.47	12.13	4.39
Wick	8.32	12.25	4.17
	8.30	12.25	4.19
Valencia	8.32	12.34	5.16
	8.30	12.34	5.18

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.

< = less than (for cloud height), before (for precipitation).
⊕ = solar halo. ☋ = lunar halo.
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; - = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction.

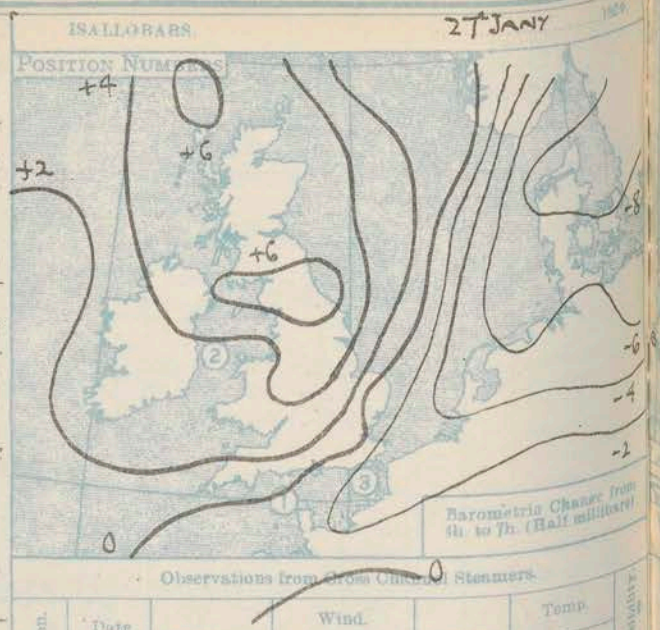
* Information for these columns not usually received.

‡ The barometric change is expressed in half millibars.

§ For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 26th	13h.-18h. 26th	18h. 27th to 1h. 27th	1h.-7h. 27th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 26th Hours
Lerwick	omrq	omr	omr	bdprh	48	36	.	5	7	<0800	<2100	0.0
Stornoway	rd	r	p	ph	51	36	.	11	6	<0800	-	0.0
Wick	oo	oirod	dorrc	cpr	47	35	.	1	4	1530	<2100	.
Castlebay	gprs	rr	rroc	cbcop	40	40	.	4	3	0900	-	0.0
Nairn	cqg	cq	iRcq	prsbc	50	35	.	-	7	-	<2100	0.0
Aberdeen	amaq	aqcq	cqor	ocb	48	37	33	-	4	-	2200	0.0
Malin Head	coz	coz	Rrpr	PHR	50	39	.	Trace	10	1730	<2100	0.0
Renfrew	ro	orqq	oqr	oircq	49	36	33	2	5	<0800	<2100	0.0
Edinburgh (Inchkeith)	p	coq	grs	bq	49	33	.	0.1	0.6	<0800	<2100	0.4
Leuchars	bbqq	oqob	oqo	oqb	49	35	30	Trace	0.5	<0800	2200	0.0
Eskdalemuir	omorm	oirmo	ort	orro	44	34	32	3	15	0900	<2100	0.0
Tynemouth	oom	bbcq	bbcq	bcp	49	37	35	-	trace	-	0330	.
Blacksod Point	oo	oo	p	p	51	37	.	0.2	4	-	-	.
Donaghadee	oq	cq	orq	bcq	50	38	.	-	4	-	<2100	.
Birr Castle	co	co	iRco	oiRbc	51	35	30	-	3	-	-	0.0
Holyhead	orom	oo	oorrq	ocbcb	49	42	39	-	2	-	2400	0.0
Liverpool (Bidston)	obcqq	co	b	b	50	40	33	-	-	-	-	1.0
Chester (Shotwick)	ocaav	oq	oqoq	orqbq	50	40	36	-	2	-	0130	0.2
Spurn Head	c	c	oo	oqcbc	44	40	.	-	-	-	-	0.0
Birmingham (Edgbaston)	bfbc	bco	oo	obb	46	38	33	-	0.3	-	0230	1.0
Nottingham	b	c	c	cp	49	41	36	-	0.1	-	0330	1.9
Cranwell	c	oo	co	obcb	48	38	35	-	trace	-	0330	3.3
Gorleston	b	op	bbcco	ocbc	45	38	35	-	-	-	-	3.2
Valencia (Cahirciveen)	co	co	oporo	cbcb	52	42	33	-	3	-	<2100	0.0
Roches Point	oco	ocbc	bw	bw	51	38	.	-	0.3	-	-	
Pembroke (St. Ann's H.)	c	c	c	cp	47	43	.	-	1	-	0330	0.2
Ross-on-Wye	bcebc	co	coq	cqpb	49	40	34	-	0.3	-	0330	4.7
Leafield	ocbc	bcco	co	ocbcb	46	38	?	-	-	-	-	1.6
Andover	offom	ocbcc	cbcc	coc	44	38	31	Trace	-	-	-	1.8
S. Farnborough	ofbmm	omcbc	bcm	bcmb	44	39	30	-	-	-	-	0.7
London (Kew Obsy.)	of om	omcm	bmbmb	bmcbcm	44	39	33	Trace	trace	-	-	0.1
Croydon	odfbmc	bcomb	bomm	o	48	38	34	Trace	-	<0800	-	6.2
Clacton-on-Sea	bcmofm	ogcofm	ogbcm	bcmo	41	38	36	-	-	-	-	0.8
Shoeburyness	offom	bc	b	bcc	46	38	35	-	-	-	-	2.8
Grain	Febm	cmbco	bb	bco	46	38	34	Trace	-	<0800	-	4.6
Lympne	bFm	bbom	ocom	om	44	36	33	Trace	trace	-	-	4.3
Scilly (St. Mary's)	coc	bc	bbc	bcc	51	45	.	-	-	-	-	?
Falmouth (Pendennis)	bc	bc	bc	corco	51	45	.	-	0.4	-	<2100	6.4
Plymouth (Cattewater)	ochbc	bcc	bbc	bc	51	42	x	-	-	-	-	5.6
Portland Bill	bbc	bbc	c	c	49	45	.	-	-	-	-	
Southampton (Calshot)	bFom	bbc	bo	oo	46	43	40	Trace	-	-	-	3.3
Dungeness	bmfF	c	c	c	47	42	.	-	-	-	-	
Guernsey	wfmb	FFw	fbw	bbcco	52	38	.	0.1	0.2	<0800	<2100	



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air	Temp. Sea	Visibility
2	26 1010	Hibernia	S	7	O	48	47	6
1	26 1200	Ibex	SSW	4	O6+	46	49	5
3	27 0200	Arundel	NSW	4	O	44	48	7

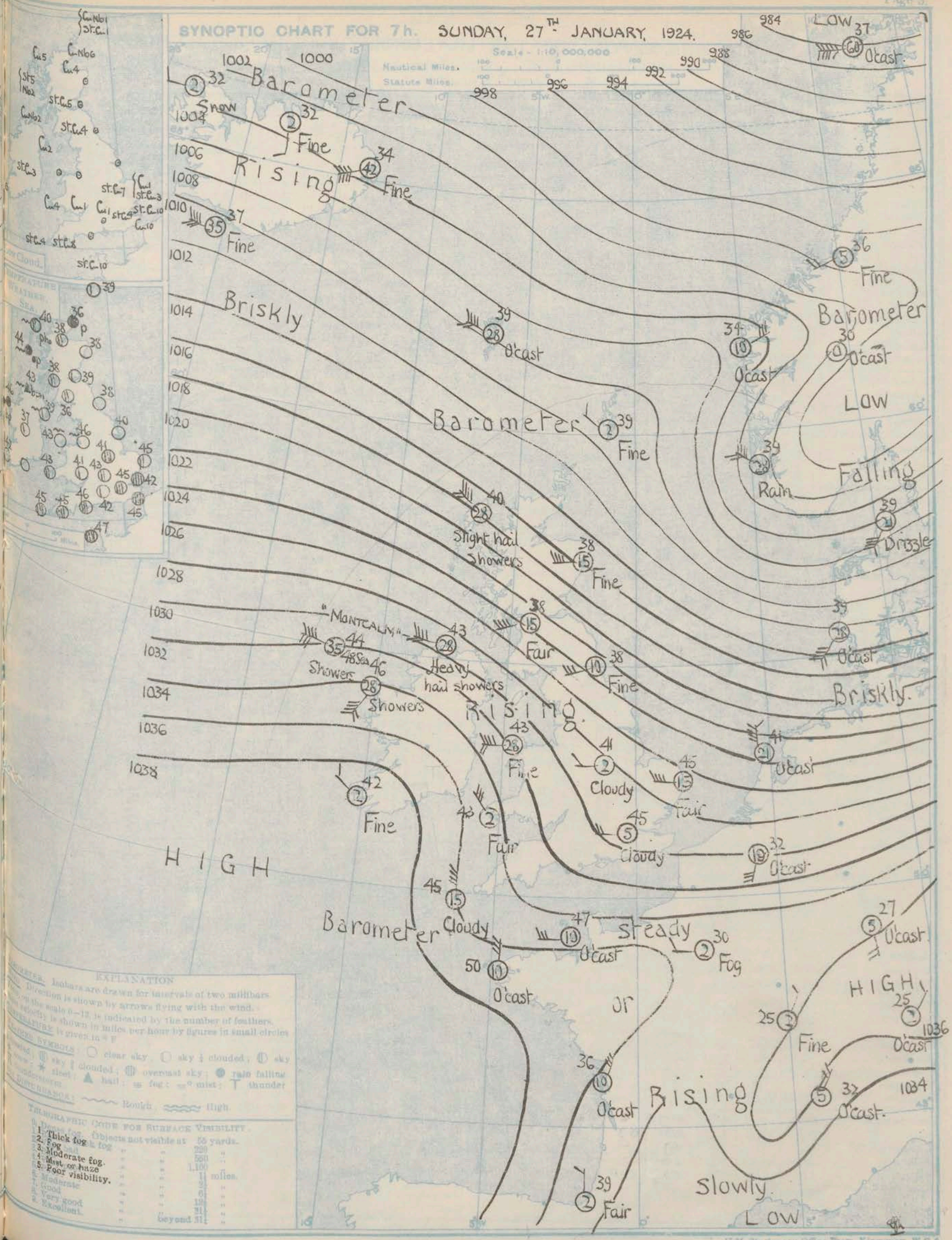
GENERAL INFERENCE.

An anticyclone off the southwest coasts of the British Isles is spreading northeast. Showers are probable in the North but in the South fair or fine weather is likely with moderate or rather mild day temperatures but mist or fog and frost at night.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Sunday, 27th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Winds northwesterly, light or moderate, fair or fine; some mist or fog developing at night; rather mild during day, local frost at night.	Mainly fair in the South unsettled in the North. ------
5. S.W. England 6. South Wales	Light or moderate northerly to variable winds; fair or fine; local mist or fog at night; rather mild during day.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England	Winds northwesterly or westerly, fresh at times; fair but local showers; visibility mainly good; moderate temperature.	
11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Winds northwesterly or westerly, fresh or strong at times; mainly fair but local showers; visibility good; moderate temperature.	South Cone hoisted 2030 25th 0910 26th
19. S.E. Ireland 20. S.W. Ireland	Light winds mainly westerly; fair; visibility good; moderate temperature.	

WCK

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION....Sunday, 27th January.....1924. No. 27.....

Observations at 0100 G.M.T. 27

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1008.5	0	WNW	1	or+	40	85	6	4000	Nb	10	-	10
Stornoway	51	1014.6	+4	W	3	PR	*	*	5	*	*	*	*	*
Wick	81	1011.6	+3	WNW	3	c-	38	97	8	1500	Sr	2	Ci Sr	7
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	40	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1023.2	+8	WNW	7	bPR	43	85	8	5700	CuNb	3	-	3
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1016.2	+6	WSW	6	or.r.	41	92	8	*	Nb	10	-	10
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1016.5	-4	SW	6	b	48	75	7	1500	Cu	2	-	2
Blacksod Point	10	1030.1	+6	SW	5	bc	43	75	7	*	*	*	*	5
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1026.7	+3	WNW	8	orr	45	92	7	800	Nb	10	-	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1023.7	-6	SW	5	o	44	85	7	-	-	0	A Sr	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1026.8	-4	SW	5	o	45	85	6	4000	Sr	3	A.Sr	9
Gorleston	13	1029.7	-2	WSW	3	o+	42	85	6	-	-	0	A.Sr	10
Valencia (Cahirciveen)	30	1034.6	0	SW	2	b-	45	75	8	*	StCu	3	-	3
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1030.3	-1	SSW	6	o	48	92	7	1500	Sr	10	-	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	295	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	43	*	*	*	*	*	*	*
Croydon	244	1033.5	-4	SW	3	o+	42	85	7	-	-	0	Ci Sr	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1033.9	-2	WSW	4	o	40	97	6	-	-	0	A Sr	10
Scilly (St. Mary's)	131	1035.7	0	WSW	4	bc	46	97	7	4000	StCu	2	Ci Cu	4
Falmouth (Pendennis)	200	1036.0	-2	W	5	o+	47	92	7	4000	StCu	10	-	10
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1036.1	-4	WSW	3	o+	47	85	7	-	-	0	A Sr	10
Southampton (Calshot)	12	1034.8	-3	SW'W	4	o	44	97	7	2500	StCu	5	A Sr	10
Dungeness	21	1034.5	-3	W	4	c+	44	97	8	4000	Cu	3	Ci Cu	8
Guernsey														

Observations at 0700 G.M.T. 27

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun 0-9
Lerwick	1009.4	+1	NW	1	bjp	39	92	7	4000	CuNb	2	-	2	0.6
Stornoway	1010.0	+6	NW	7	bcph	40	75	7	4000	Cu	5	-	5	0.0
Wick	1015.0	+5	WNW	4	bcpr.	36	92	8	2500	CuNb	6	-	6	0.0
Castlebay	1024.4	+5	NW	5	opr.	44	75	8	1500	Sr	9	-	9	0.0
Nairn	1019.9	*	W	2	bc/r	38	85	8	4000	Cu	4	-	4	0.0
Aberdeen	1019.6	+5	W	4	b	38	75	7	-	-	0	-	0	7.0
Malin Head	1029.0	+5	WNW	7	bPR	43	85	8	5700	CuNb	2	Ci Cu	3	3.0
Renfrew	1024.8	+5	WSW	4	bcjp	38	75	8	2500	StCu	5	-	5	0.0
Edinburgh (Inchkeith)	1022.2	+5	WSW	5	b	39	85	8	*	-	0	Ci Sr	0	0.0
Leuchars	1022.3	+6	WSW	4	b	35	85	8	-	-	0	-	0	0.0
Eskdalemuir	1016.5	+4	W	4	bc	36	85	6	2500	StCu	4	-	4	0.4
Tynemouth	1024.9	+7	WSW	3	b-	38	85	7	-	-	0	-	0	4
Blacksod Point	1034.1	+2	SW	6	opr.	46	75	3	*	*	*	*	10	8.3
Donaghadee	1029.8	+7	W	3	b-	39	85	8	2500	Cu	2	-	2	0.0
Birr Castle	1035.5	*	SW	1	b-	37	92	4	2500	StCu	3	-	3	0.0
Holyhead	1032.8	+4	W'N	6	b	43	75	9	-	-	0	-	0	0.0
Liverpool (Bidston)	1031.0	+3	W'S	6	b	40	85	7	-	-	0	-	0	0.0
Chester (Shotwick)	1031.3	+1	W	6	b-	40	85	7	-	-	0	-	0	2
Spurn Head	1027.5	+5	W'N	6	b	40	92	8	-	-	0	-	0	0.0
Birmingham (Edgbaston)	1032.4	+4	W	3	b	39	75	7	-	-	0	Ci	1	1.1
Nottingham	1031.2	+5	W	1	c	41	85	8	800	StCu	1	-	1	1.4
Cranwell	1030.0	+4	WNW	4	b+	39	85	8	2500	Cu	4	-	4	0.0
Gorleston	1027.6	0	W'N	4	bc-	45	75	7	5700	StCu	4	-	4	0.0
Valencia (Cahirciveen)	1038.6	+3	NW	1	b	42	75	8	-	-	0	-	0	0.0
Roches Point	1038.5	+3	WNW	1	b	38	97	8	-	-	0	-	0	4.1
Pembroke (St. Ann's H.)	1036.0	+3	NW	4	bc	43	75	8	2500	Cu	4	-	4	1.2
Ross-on-Wye	1033.1	+4	NNW	4	b-	41	75	8	4000	Cu	1	A.Sr	1	*
Leafield	1032.4	+3	W'N	3	b-	38	85	6	5700	Cu	1	-	1	*
Andover	1032.6	0	NW	3	c-	42	85	8	4000	StCu	2	Ci Cu	7	*
S. Farnborough	1032.6	0	WNW	2	b	42	92	8	-	-	0	-	0	*
London (Kew Obsy.)	1032.0	+2	W'N	2	c-	45	85	6	2500	Sr	4	ACu	7	*
Croydon	1031.6	0	W'N	3	o	45	85	7	4000	StCu	7	Ci Cu	10	2
Clacton-on-Sea	1029.7	-1	W	3	o	42	85	7	4000	StCu	10	-	10	0
Shoeburyness	1031.0	0	NW	2	ojp	44	75	6	2500	StCu	10	-	9	0
Grain	1031.6	0	WSW	5	o+	45	75	8	1500	StCu	9	-	10	*
Lympne	1031.9	-1	W	4	o	41	92	8	1500	Sr	10	-	10	*
Scilly (St. Mary's)	1036.0	0	N	4	c-	45	92	8	4000	StCu	4	ACu	7	4
Falmouth (Pendennis)	1035.8	+1	NNW	3	c-	45	85	8	5700	StCu	8	-	8	0
Plymouth (Cattewater)														
Portland Bill	1033.0	+2	NW	2	c-	46	85	7	-	-	0	A Sr	8	4
Southampton (Calshot)	1033.2	-1	WNW	4	o	45	92	8	2500	StCu	10	-	10	0
Dungeness	1032.8	0	WSW	3	o+	45	85	8	4000	Cu	10	-	10	0
Guernsey	1035.2	-1	W'N	3	o	47	85	7	4000	StCu	10	-		

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 26

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 25-26 °F.	Temperature. Max. Day. 26 °F.	Rainfall.† Night 17h.-9h. 25-26 mm.	Rainfall.† Day 9h.-17h. 26 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 26 hr.
Douglas	c	o	44	48	-	-		0.0
Montrose	omc	om	44	49	-	-		0.0
Berwick-on-Tweed	2bcc	oubcc	44	48	-	-		0.9
Llandudno	co	oc	42	53	-	-		0.0
Colwyn Bay	bc	bc	45	51	-	-		5.5
Rhyl	c	c	42	49	-	-		0.0
Southport	bcco	o	38	48	0.2	-		0.7
Blackpool	c	o	39	47	-	-		0.2
Ilkley	b	c	40	49	-	-		0.0
Harrogate	c	c	39	47	0.2	-		0.0
Skegness	bcomf	bocbo	34	45	Trace	-		0.8
Aberystwyth	ocb	b	43	49	-	-		2.0
Bath	fb	bbcc	34	49	0.3	-		4.5
Leamington Spa	c	cb	33	47	-	-		2.2
Lowestoft	b	bfo	35	46	-	-		3.3
Felixstowe	off	off	32	41	0.2	0.2		0.0
Southend	focbc	cbcb	35	45	-	-		2.5

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 25-26 °F	Temperature. Max. Day. 26 °F.	Rainfall.† Night 17h.-9h. 25-26 mm.	Rainfall.† Day 9h.-17h. 26 mm.	Sunshine.	Sunshine. Sunrise to Sunset. 26 hr.
Ilfracombe	b	bcc	41	51	-	-		5.0
Bude	b	b	38	52	-	-		6.3
Torquay	fbc	b	36	53	0.1	-		5.5
Weymouth	oc	bc	32	51	-	-		4.0
Bournemouth	fbc	bm	30	50	-	-		2.7
Portsmouth (S'thsea)	Fbc	bcb	32	48	-	-		3.1
Littlehampton	bcm	bc	30	49	-	-		5.2
Worthing	mb	ob	30	48	-	-		4.4
Brighton	fb	bbcc	32	47	-	-		3.5
Eastbourne	b	bbcb	31	48	-	-		6.2
Hastings	xbmb	bbcb	37	48	0.1	-		6.6
Folkestone	b	f	32	48	-	-		5.8
Dover	fbcmb	mfcbc	33	46	-	-		3.4
Tunbridge Wells	ofb	bbm	31	49	-	-		5.3
Ramsgate	fb	bm	34	49	-	-		4.0
Margate	ofb	b	34	49	-	-		4.0
Deal	mb	bbm	31	48	-	-		5.7

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22712 Monday 28th January 1924.

Observations at 1300 G.M.T. 27th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1013.4	+4	WNW	3	bcbh	42	85	7	4000	CuNb	5	-	5	*
Stornoway	1024.9	+6	NW	4	bcbr	42	92	7	4000	CuNb	5	-	5	*
Wick	1020.3	+5	WNW	3	bcbh	41	97	8	2500	CuNb	6	-	6	*
Castlebay	1029.8	+4	W	5	cbr	44	75	8	2500	Nb	7	-	7	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1023.3	+3	W'N	5	b	43	75	8	4000	SiCu	1	-	1	1
Malin Head	1032.9	+3	WNW	6	bjp	46	85	8	5700	CuNb	2	CiCu	3	*
Renfrew	1029.2	+3	WNW	4	cbr	45	75	8	1500	St	8	-	8	2
Edinburgh (Inchkeith)	1026.5	+3	WSW	4	bc+	43	75	8	*	Cu	2	aCu	4	*
Leuchars	1025.7	+3	W	4	b	44	65	8	5700	SiCu	1	-	1	1
Eskdalemuir	1029.8	+3	W	5	o/r	40	85	8	1500	SiCu	10	-	10	2
Tynemouth	1027.6	+3	W	4	b	44	75	7	-	-	0	-	0	*
Blacksod Point	1037.9	+1	NW	5	o-	46	75	8	*	*	*	*	9	*
Donaghadee	1032.8	+3	W	3	bc+	45	85	8	800	Cu	2	CiSt	4	*
Birr Castle	1038.0	*	W	1	bc+	46	75	8	4000	StCu	5	-	5	*
Holyhead	1035.5	+2	WNW	5	b	45	85	8	-	-	0	aSt	1	1
Liverpool (Bidston)	1033.6	+1	W	6	b	43	85	9	-	-	0	-	0	*
Chester (Shotwick)	1034.3	+2	W'N	5	b+	47	75	8	4000	Cu	1	aSt	2	1
Spurn Head	1029.1	-1	WNW	7	b	43	85	8	-	-	0	-	0	*
Birmingham (Edgbaston)	1034.6	0	NNW	5	bc	44	65	6	4000	Cu	3	Ci	4	2
Nottingham	1033.4	0	NW	5	bc	45	85	6	1500	Cu	6	-	6	*
Cranwell	1032.0	+1	NW'W	5	b	44	75	7	4000	SiCu	1	-	1	1
Gorleston	1030.6	+1	WNW	4	b-	40	97	7	-	-	0	Ci	1	*
Valencia (Cahirciveen)	1040.1	-1	WNW	2	o	47	75	9	4000	Cu	5	aSt	9	1
Roches Point	1033.8	+1	WNW	3	b	47	85	8	-	-	0	Ci	1	*
Pembroke (St. Ann's H.)	1027.5	+1	NW	4	bc	45	75	8	2500	Cu	4	-	4	*
Ross-on-Wye	1035.1	+1	NW	3	bc	46	65	8	4000	Cu	1	Ci	5	1
Leafield														
Andover	1035.1	0	NW	4	b+	45	65	8	-	-	0	Ci	2	1
S. Farnborough	1034.7	0	NW	3	b	47	65	8	-	-	0	Ci	3	2
London (Kew Obsy.)	1034.3	-2	NNW	3	b	46	65	7	-	-	0	aSt	3	1
Croydon	1034.5	0	SW	3	b+	45	65	6	-	-	0	Ci	2	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1033.2	-1	NW	3	b	45	65	7	-	-	0	Ci	1	*
Grain	1033.6	0	NW	4	b	45	75	8	-	-	0	-	0	2
Lympne	1033.6	-1	NW'N	4	b	46	65	8	2500	Cu	1	CiSt	2	2
Scilly (St. Mary's)	1038.9	+2	N'E	3	b	48	75	8	4000	Cu	2	CiCu	3	*
Falmouth (Pendennis)	1038.7	0	N	3	b	46	65	8	5700	Cu	3	-	3	*
Plymouth (Cattewater)	1037.8	0	NW	3	b	46	65	8	-	-	0	aCu	2	1
Portland Bill	1037.0	+4	NW	3	b	46	55	7	-	-	0	-	0	*
Southampton (Calshot)	1036.0	-1	NW'N	4	b	45	65	8	-	-	0	CiCu	1	0
Dungeness	1033.7	+1	N	4	b	45	65	8	-	-	0	-	0	*
Guernsey	1036.6	0	NNW	5	b	45	85	8	-	-	0	CiCu	3	*

Observations at 1800 G.M.T. 27th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1017.5	+5	NW	3	bcjp	40	85	7	4000	SiCu	4	-	4	2
Stornoway	1028.1	+5	NW	3	cPR	43	85	7	4000	CuNb	7	-	7	2
Wick	1023.3	+4	NW	3	bc	40	92	8	800	CuNb	2	Ci	3	0
Castlebay	1031.8	+2	W	4	cbr	45	85	8	1500	Nb	10	-	10	5
Nairn	1028.2	*	SW	1	C+	42	85	7	1500	St	8	-	8	*
Aberdeen	1026.7	+3	W'N	3	b	41	85	7	4000	SiCu	3	-	3	0
Malin Head	1034.3	+3	WNW	5	bcbh	45	92	8	5700	Nb	5	-	5	6
Renfrew	1031.1	+3	WNW	3	ojp	43	85	7	1500	Nb	9	-	9	*
Edinburgh (Inchkeith)	1029.7	+3	SW	4	b	41	92	8	*	St	2	-	2	2
Leuchars	1028.4	+3	W	3	bc	40	85	8	4000	SiCu	4	-	4	*
Eskdalemuir	1032.0	+3	W	4	od	39	85	7	1500	Nb	10	-	10	*
Tynemouth	1029.5	+2	W	2	b	41	75	7	-	-	0	-	0	2
Blacksod Point	1037.7	+2	WNW	4	c	45	85	7	*	*	*	*	8	4
Donaghadee	1034.0	+1	W	3	bc+	43	92	8	800	St	5	-	5	*
Birr Castle	1039.0	*	W	1	C+	41	92	6	4000	StCu	7	-	7	*
Holyhead	1036.7	+1	WNW	5	bc	45	85	9	-	-	0	aCu	65	6
Liverpool (Bidston)	1034.9	+1	W'S	6	c+	42	92	9	-	SiCu	6	aSt	8	6
Chester (Shotwick)	1035.1	+1	WNW	4	c+	42	85	7	2500	SiCu	4	aSt	7	*
Spurn Head	1030.9	+1	WNW	6	b	40	97	7	-	-	0	-	0	3
Birmingham (Edgbaston)	1035.5	+3	WNW	4	b	41	75	6	2500	St	1	-	1	*
Nottingham	1034.5	+3	NW	2	b-	43	85	6	2500	Nb	1	-	1	*
Cranwell	1033.2	+3	WNW	4	b	39	92	6	-	-	0	-	0	*
Gorleston	1031.4	+1	W'N	3	b	39	85	6	-	-	0	-	0	0
Valencia (Cahirciveen)	1041.3	+2	-	0	c	44	85	8	2500	St	8	-	8	3
Roches Point	1040.0	+4	NW	2	bc	44	92	7	4000	SiCu	5	-	5	0
Pembroke (St. Ann's H.)	1038.2	+1	NW	3	bc	45	75	8	-	-	0	aCu	4	3
Ross-on-Wye	1036.2	+2	W	2	b-	40	65	8	-	-	0	Ci	1	*
Leafield	1035.9	+4	W	3	b	37	85	8	-	-	0	aSt	2	*
Andover	1036.2	+2	W	3	b	34	85	8	-	-	0	-	0	
S. Farnborough	1035.8	+2	W	1	b	39	85	8	-	-	0	-	0	*
London (Kew Obsy.)	1035.7	+1	SW	2	b	41	75	5	-	-	0	-	0	*
Croydon	1035.2	+2	W'N	3	b	40	75	4	-	-	0	-	0	*
Clacton-on-Sea	1033.6	+2	W	3	b-	40	85	7	-	-	0	aSt	2	1
Shoeburyness	1034.5	+2	NW	1	b	39	75	7	-	-	0	-	0	*
Grain	1034.8	+2	W'S	4	b	36	85	7	-	-	0	-	0	0
Lympne	1035.1	+3	NW'W	3	b	37	75	6	-	-	0	-	0	*
Scilly (St. Mary's)	1038.8	0	NW	3	bc	44	85	8	4000	Cu	3	CiCu	4	3
Falmouth (Pendennis)	1039.4	+1	N	3	b+	44	75	8	5700	SiCu	3	-	3	0
Plymouth (Cattewater)	1038.9	+4	N	2	b+	43	85	7	2500	St	2	-	2	0
Portland Bill	1037.7	+2	NW	3	b	45	65	7	-	-	0	-	0	4
Southampton (Calshot)	1037.2	+3	W	3	b-	41	75	8	-	-	0	aSt	1	0
Dungeness	1034.5	+2	NW	2	blf	38	75	7	-	-	0	-	0	3
Guernsey	1037.8	+3	NNW	3	b-	43	85	7	-	-	0	CiCu	3	0

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature. Max. °F.	Temperature. Min. °F.	Min. on Grass. °F.	Rainfall. mm. Day.	Rainfall. mm. Night.	Sunshine to Sunset, hrs.	Humidity. 15h. G.M.T. %	Humidity. 9h. G.M.T. %	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 28th								YESTERDAY.	TO-DAY.		
Kew	18	bcb	bbm	bmbx	*	*	23	-	T	6.2	*	*	7
Croydon } 24 hours ended 0700	244	obmz	bbzz	bzw			30	-	-	6.2			5
Greenwich (Royal Obsy.)	149	b	b	bwxc	47	35	27	-	-	5.8	62	86	*
City (Bunhill Row)	80	*	*	*	*	*	*	-	-	5.1	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	47	34	27	-	-	6.0	64	85	*
Regent's Pk. (Botanic Gdns).	166	*	*	*	*	*	*	*	*	6.5	*	*	*
Camden Square	110	<b	b	*	47	35	30	-	-	*	*	86	*
Kensington Palace	80	b	bc	*	46	34	25	-	-	*	At 18h 84		*
Hampstead Observatory	450	*	*	*	46	34	24	-	-	3.5	72	90	*

ATMOSPHERIC POLLUTION.

Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1600 G.M.T. 27th.

South Kensington Max.	Time.	Min.	Time.

Kew Observatory Max.	Time.	Min.	Time.

POLE STAR RECORD at Greenwich Obsy.

Exposure from 27th 17 h. 45 m. to 28th 06 h. 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	12.45	10.30	82
δ Ursae Minoris	12.45	08.06	64

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h	-	-	-	-
18h	-	-	-	-
01h	-	-	-	-
07h	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

28th & 29th Jan., 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.44	12.6	4.28
	7.42	12.6	4.30
Greenwich	7.47	12.13	4.39
	7.46	12.13	4.41
Wick	8.30	12.25	4.19
	8.28	12.25	4.22
Valencia	8.30	12.54	5.18
	8.28	12.54	5.20

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). { before (for precipitation).
⊕ = solar halo. ☾ = lunar halo.

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: - = "decreasing": + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

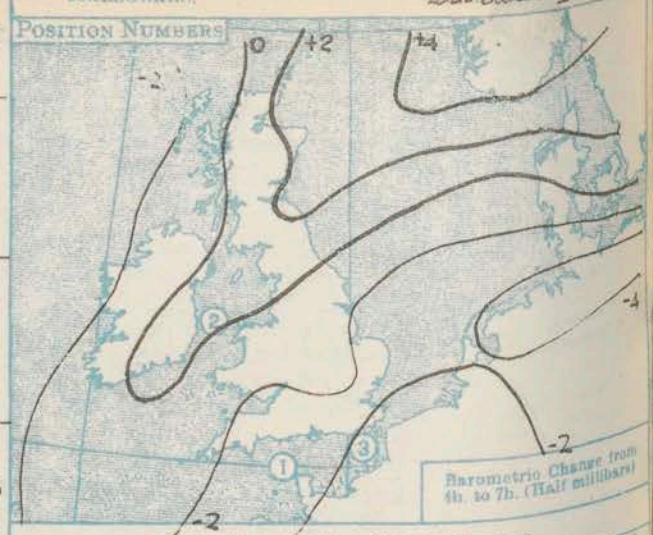
0=no swell } Calm or slight sea.
1=mod. swell } Calm or slight sea.
2=heavy swell } Calm or slight sea.
3=no swell } Moderate sea.
4=mod. swell } Moderate sea.
5=heavy swell } Moderate sea.
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 27th.	WEATHER. 13h.-18h. 27th.	WEATHER. 18h. 27th to 1h. 28th.	WEATHER. 1h.-7h. 28th.	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began	SUN. 27th. Hours
Lerwick	cprh	bcprh	bc	bc	44	36	.	2	1	<0800	<2100	1·9
Stornoway	p	cpr	p	oo	44	42	.	3	1	<0800	–	1·9
Wick	cprhq	cprbc	qcpr	copr	42	40	.	2	2	<0800	<2100	.
Castlebay	obbcp	cbcop	opbco	oco	46	44	.	0·4	Trace	–	–	2·9
Nairn	bcirc	bcg	cgdo	og	42	42	.	0·6	0·2	0900	<2100	1·3
Aberdeen	bbqr	bcqrb	bcpr	coir	43	41	36	–	0·3	–	<2100	5·1
Malin Head	bc	bcpr	pco	pco	50	43	.	0·5	0·2	1330	<2100	3·9
Renfrew	bccpqr	cqrpo	oirc	co	45	40	35	0·6	0·2	<0800	<2100	2·8
Edinburgh (Inchkeith)	b	bcp	bc	c	43	40	.	–	–	–	–	6·1
Leuchars	b	bbccbc	bcb	bbc	45	36	29	–	–	–	–	7·1
Eskdalemuir	bccop	oia	qidcbc	bbcco	41	38	35	0·3	0·1	1230	<2100	1·0
Tynemouth	bqr	bqr	bbc	c	45	40	37	–	–	–	–	.
Blacksod Point ...	c	c	c	c	50	40	.	0·6	0·2	–	–	.
Donaghadee	bc	bc	c	o	47	38	.	–	–	–	–	.
Birr Castle	bc	copr	co	co	47	39	26	0·2	–	1530	–	5·3
Holyhead	b	bbcv	bcco	oo	46	43	40	–	–	–	–	6·3
Liverpool (Bidston) ...	bqr	b-bc		bc	44	40	35	–	–	–	–	7·2
Chester (Shotwick) ...	bqr	bbcqcq	bcq	co	47	42	38	–	–	–	–	7·3
Spurn Head	bbqr	b-bc	b-bc	b-bc	43	38	.	–	–	–	–	7·0
Birmingham (Edgbaston)	bbc	b	bb	b-bc	46	38	32	–	–	–	–	6·5
Nottingham	c	c	b	b-bc	45	39	32	–	–	–	–	4·9
Cranwell	b-bc	b-bc	b-bc	c	44	35	32	–	–	–	–	7·0
Gorleston	bcbqr	bqrb	bx	bcxc	45	36	31	–	–	–	–	7·0
Valencia (Cahirciveen)	cbc	oc	bc	bbc	48	36	31	–	–	–	–	4·6
Roches Point	b	b.bc	bo	oc	47	38	.	–	–	–	–	.
Pembroke (St. Ann's H.)	b-bc	bbc	bbc	b-bc	46	42	.	–	–	–	–	7·1
Ross-on-Wye	bbc	bcb	bb	bwco	47	35	29	–	–	–	–	7·5
Leafield		bc	bcc	co	44	34	.	–	–	–	–	8·1
Andover	cbcb	bccbc	bbcb	bbc	45	32	24	–	–	–	–	6·4
S. Farnborough ...	bbcb	bbcb	bx	xbcco	47	33	26	–	–	–	–	6·5
London (Kew Obsy.) ...	bcb	bbm	bmbx	bcmx	47	35	23	–	Trace	–	–	6·2
Croydon	obmz	bbcz	bzw	bwxo	46	36	30	–	–	–	–	6·2
Clacton-on-Sea ...	ocbc	bcb	bcb	bbcc	45	36	32	–	–	–	–	7·3
Shoeburyness	b	b	b	bcc	46	35	31	–	–	–	–	7·4
Grain	obb	b-bc	bbx	bxom	45	34	28	–	–	–	–	7·1
Lympne	ob	b	b	bomx	46	32	27	–	Trace	–	–	6·8
Scilly (St. Mary's) ...	cbc	bc	b	bbc	48	43	.	–	–	–	–	.
Falmouth (Pendennis)	bc	bc	bc	bc	47	40	.	–	–	–	–	7·3
Plymouth (Cattewater)	b	b	bx	bx	47	33	.	–	–	–	–	6·6
Portland Bill	b-bc	b-bc	bbc	b-bc	47	43	.	–	–	–	–	.
Southampton (Calshot)	bc	bcb	b	bx	46	34	31	–	–	–	–	7·1
Dungeness	b-bc	f-m	b-bc	bcx	46	28	.	–	–	–	–	.
*Guernsey	oddmo cbcb	bbcb	b	bbc	48	42	.	0·6	–	0900	–	.

ISALLOBARS. 28th January 1924.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility
2	27th 0220	"Anglia"	W	5	b	42	47	8
3	28th 0200	–	NNW	4	bcv	44	47	8

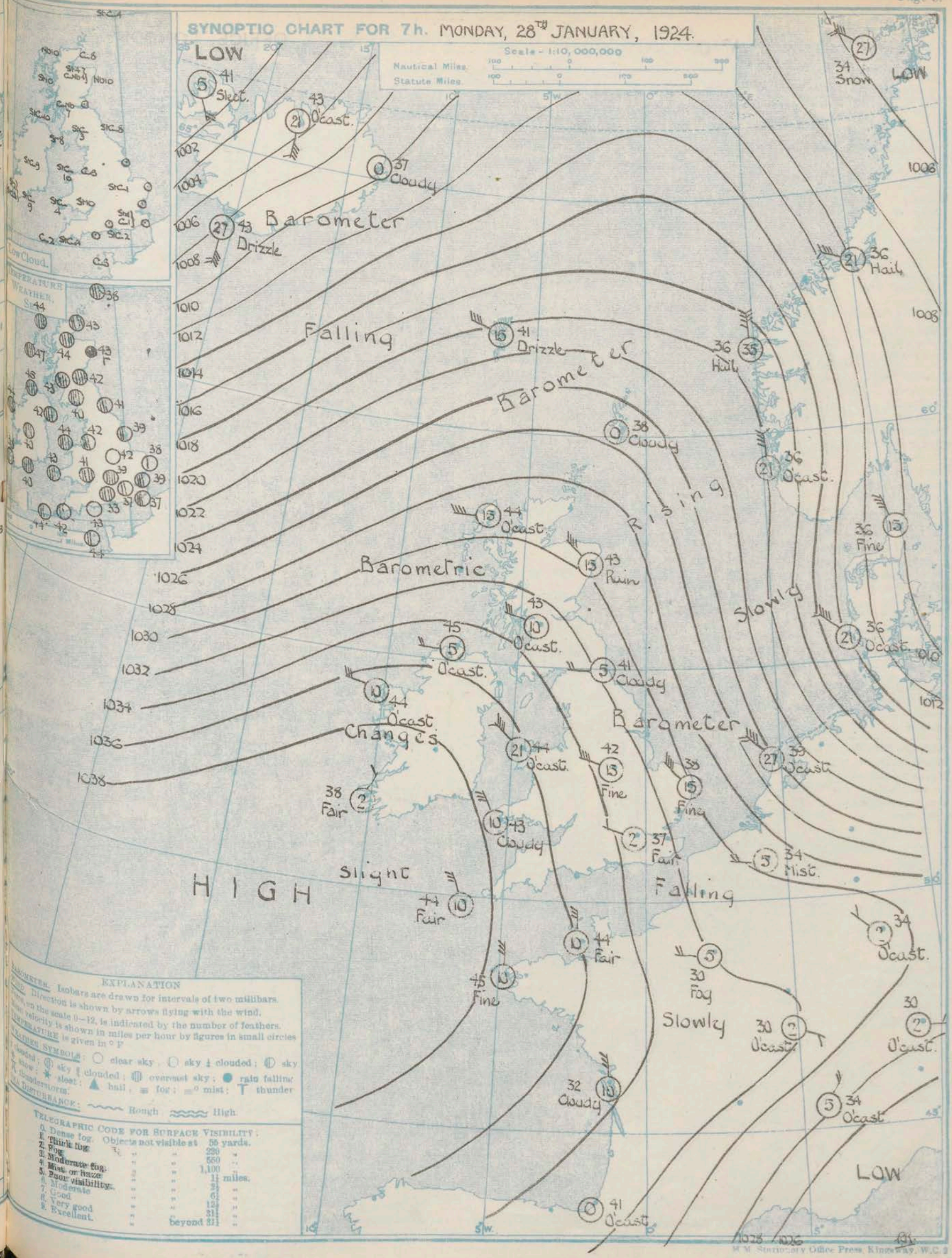
GENERAL INFERENCE.

The anticyclone west of Scilly is likely to continue causing depressions to keep well to the north of Scotland. The weather is likely to be cloudy and rather mild in the North with occasional rain in places but in the South fair weather is indicated with slight frost locally at night.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Monday, 28th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Wind between NW. and N., moderate or fresh; fair; visibility moderate or good; slight frost locally at night.	Fair in the South, unsettled in the North. ------
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind westerly, strong at times; cloudy, slight occasional rain in places; visibility moderate or good; rather mild.	South Cone still flying.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind westerly, strong at times, perhaps reaching gale force; cloudy, some rain; visibility mainly good; rather mild.	
17. N.W. Ireland 18. N.E. Ireland	As 7 - 13.	
19. S.E. Ireland 20. S.W. Ireland	Wind between NW. and N., moderate; fair; visibility moderate or good; moderate temperature.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0900 GMT. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Monday 28th January 1924. No. 28

Observations at 0100 G.M.T. 28th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1022.0	+4	N	2	b	39	85	4	-	-	0	ACu	1
Stornoway	51	1030.6	+2	NW	3	PR	•	•	5	•	•	•	•	•
Wick	81	1025.4	+2	NW	4	bc pr	43	94	8	2500	CuNb	6	-	6
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	46	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1035.4	0	W	4	0+	45	92	8	5700	Nb	8	ACu	9
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	190	1029.8	0	W	4	c+	41	92	8	•	-	0	ASt	4
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1030.4	-1	W	1	b	40	95	4	-	-	0	ACu	3
Blacksod Point	10	1039.1	0	WSW	3	c	46	95	5	•	•	•	•	8
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	26	1034.1	0	WNW	5	0	40	85	8	5700	StCu	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	26	1031.2	-1	W'N	6	bc	39	94	6	-	-	0	CiSt	5
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1033.0	-1	WSW	3	b	36	94	6	-	-	0	-	0
Gorleston	13	1031.4	0	W'N	3	b	36	92	6	-	-	0	-	0
Valencia (Cahirciveen)	30	1041.8	0	-	0	bc	44	95	8	-	-	0	ACu	4
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1039.3	0	NNW	3	b	43	85	8	5700	StCu	2	-	2
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	295	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	250	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	37	•	•	•	•	•	•	•
Croydon	244	1035.4	-1	W'S	3	b+	36	92	6	-	-	0	CiSt	1
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1034.2	0	NW'N	5	b	33	92	6	-	-	0	-	0
Scilly (St. Mary's)	131	1040.8	0	N'W	3	b	43	92	8	-	-	0	-	0
Falmouth (Pendennis)	200	1040.1	0	-	0	b	41	92	8	5700	Cu	3	-	3
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1034.1	0	NW	2	b	43	95	4	-	-	0	-	0
Southampton (Calshot)	12	1034.1	-2	W'N	3	b	36	92	4	-	-	0	-	0
Dungeness	21	1034.0	0	N	3	b	33	94	8	-	-	0	-	0
Guernsey														

Observations at 0700 G.M.T. 28th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea 0-9
Lerwick	1025.4	+2	-	0	c+	38	92	7	5700	StCu	4	ASt	8	0
Stornoway	1029.2	-2	W	4	0	44	92	7	800	Nb	10	-	10	3
Wick	1027.0	+2	NW	2	0/r	43	97	8	2500	St	8	CiSt	10	0
Castlebay	1032.0	0	WNW	3	0	47	75	8	2500	St	10	-	10	3
Nairn	1029.5	•	-	0	•	4+	92	7	-	St	9	-	9	•
Aberdeen	1039.7	+1	NW	4	0r	43	97	6	1500	Nb	10	-	10	0
Malin Head	1034.8	-1	W	2	0	45	97	8	5700	StCu	10	-	10	4
Renfrew	1033.0	0	WNW	3	0	43	85	7	2500	CuNb	7	ASt	10	•
Edinburgh (Inchkeith)	1031.0	+2	W	4	0	42	85	8	•	-	0	CiSt	9	2
Leuchars	1030.3	+1	W	3	bc	40	85	8	-	-	0	ACu	5	•
Eskdalemuir	1032.2	0	NW	3	0	40	85	7	2500	StCu	5	ASt	9	•
Tynemouth	1031.2	+1	W	2	c	41	85	6	4000	StCu	8	-	8	2
Blacksod Point	1037.4	-3	WNW	3	0	44	85	7	•	•	•	•	10	4
Donaghadee	1035.1	0	W	2	c+	42	92	8	450	St	8	-	8	2
Birr Castle	1038.3	•	W	2	0+	40	92	5	4000	StCu	9	-	9	•
Holyhead	1036.4	0	NW'W	5	0	44	92	8	4000	StCu	10	-	10	4
Liverpool (Bidston)	1034.6	0	W'S	4	c+	42	92	7	4000	Cu	5	ACu	8	5
Chester (Shotwick)	1035.0	0	NW'W	5	0	43	92	8	2500	St	9	-	9	•
Spurn Head	1031.2	-2	WNW	5	bc	39	97	7	-	-	0	ACu	5	2
Birmingham (Edgbaston)	1034.7	-1	NW	3	bc+	41	85	6	1500	St	3	ASt	5	•
Nottingham	1033.0	-1	WNW	4	b	42	92	5	2500	StCu	1	-	1	•
Cranwell	1032.1	-1	NW	4	b	38	97	7	2500	StCu	2	-	2	•
Gorleston	1033.8	-1	NW	4	b-	38	92	7	-	-	0	ACu	3	•
Valencia (Cahirciveen)	1038.8	-1	NNE	1	bc	38	85	8	4000	StCu	4	-	4	4
Roches Point	1039.2	0	NNW	1	0	40	92	8	4000	StCu	9	-	9	0
Pembroke (St. Ann's H.)	1037.3	-1	NNW	3	c	43	85	8	5700	StCu	4	ASt	7	2
Ross-on-Wye	1034.8	-2	WNW	2	0	41	85	8	2500	St	10	-	10	•
Leafield	1034.6	-2	W	3	0+	39	85	6	2500	StCu	10	-	10	•
Andover	1034.5	-2	NW	4	bc+	37	92	8	4000	StCu	3	ACu	5	•
S. Farnborough	1035.3	-2	WNW	3	0-	33	92	7	-	-	0	ASt	9	•
London (Kew Obsy.)	1034.2	-2	WNW	1	bc	37	85	6	2500	St	5	-	5	•
Croydon	1034.0	0	WNW	2	0+	37	92	6	1500	St	3	ACu	10	•
Clacton-on-Sea	1031.1	-2	NW	4	c ⊕	39	92	7	-	-	0	CiSt	7	4
Shoeburyness	1032.4	-3	NW	4	c+	39	85	7	-	-	0	ASt	7	0
Grain	1033.2	-1	W	4	0+	37	97	5	-	-	0	CiSt	10	•
Lympne	1032.3	-1	NNW	4	0	35	92	6	-	-	0	ASt	10	•
Scilly (St. Mary's)	1039.2	-1	N'W	3	bc+	44	85	8	4000	Cu	2	ACu	4	3
Falmouth (Pendennis)	1037.8	0	N	3	bc	42	85	8	5700	StCu	4	-	4	0
Plymouth (Cattewater)	1037.4	-2	NNW	1	b+	35	97	6	1500	St	2	-	2	0
Portland Bill	1036.0	-2	NW	4	b	43	75	7	-	-	0	-	0	0
Southampton (Calshot)	1034.9	-2	NW	3	b	36	97	6	5700	StCu	2	-	2	3
Dungeness	1032.3	-2	NW	3	c+	37	92	7	-	-	0	CiCu	8	3
Guernsey	1036.3	-2	N'W	3	bc	44	85	8	4000	Cu	5	-	5	1

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 27th Jan.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 26-27th °F	Temperature. Max. Day. 27th °F.	Rainfall.† Night 17h.-9h. 26-27th mm.	Rainfall.† Day 9h.-17h. 27th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 27th hr.
Douglas	b	b	39	45	6	-		6.0
Montrose	bv bc	bc	37	47	-	-		5.2
Berwick-on-Tweed	cb	b bv	38	44	-	-		6.1
Llandudno	bc	b bc	41	46	4	-		6.8
Colwyn Bay	bc	bc	39	46	-	-		6.8
Rhyl	a bc	bc	40	46	4	-		7.3
Southport	b	b bc	41	44	2	-		6.4
Blackpool	bc	c	41	45	-	-		6.6
Ilkley	bc b bc	b	37	45	5	-		2.9
Harrogate	cbc	bcb	36	48	1	-		6.5
Skegness	ocb	bc	38	46	-	-		7.2
Aberystwyth	rcb	bc	42	46	3	-		7.0
Bath	b	bc b	40	49	Trace	-		7.2
Leamington Spa	bc	bc	37	46	-	-		6.7
Lowestoft	b	b	38	45	-	-		6.9
Felixstowe	bc	b	36	44	-	-		7.2
Southend	b	b	37	47	-	-		7.3
Ilfracombe	b	b	42	49	1	-		7.4
Bude	b	b	41	47	1	-		7.4
Torquay	b	b	42	51	-	-		8.9
Weymouth	b	b	41	49	-	-		7.2
Bournemouth	b	b	41	47	-	-		6.7
Portsmouth (S'thsea)	b	b	41	47	-	-		7.0
Littlehampton	bc	bc	41	48	-	-		6.5
Worthing	b	b	41	47	-	-		6.6
Brighton	b	b	43	48	-	-		6.3
Eastbourne	b	b	42	48	Trace	-		6.5
Hastings	cbc	bcbm	40	47	Trace	-		6.4
Folkestone	b	b	35	47	-	-		6.7
Dover	bcgb	bm	40	46	-	-		6.7
Tunbridge Wells	b	b	38	47	-	-		6.9
Ramsgate	b	b	38	46	-	-		7.3
Margate	b	b	35	44	-	-		7.0
Deal	* mbb	bbm	37	44	-	-		

TERMS OF SUBSCRIPTION.—6/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1.

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,713 Tuesday, 29th January, 1924.

Observations at 1300 G.M.T. 28th

STATIONS. (For heights see p.4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	State of ground.
Lerwick	1024.3	-2	W	1	o/r	43	97	7	-	-	0	ASt	10	*
Stornoway	1027.2	-3	SW	3	o/r	45	85	7	800	St	10	-	10	*
Wick	1027.2	-2	W	1	o	44	92	8	2500	CuNb	6	ASt	10	*
Castlebay	1029.4	-3	SW	4	o/r	45	92	6	1500	Nb	10	-	10	*
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	1028.6	-3	WNW	3	o	45	85	7	4000	StCu	10	-	10	1
Malin Head	1032.2	-2	SW	3	o/p	45	92	7	5700	Nb	6	ASt	10	*
Renfrew	1031.6	-3	W	3	o	46	85	6	1500	St	10	-	10	2
Edinburgh (Inchkeith)	1030.2	-2	WSW	2	mbc	44	85	5	*	-	0	CiCu	6	*
Leuchars	1029.6	-2	WSW	3	o	45	75	7	-	-	0	ASt	10	1
Eskdalemuir	1031.4	0	WNW	4	o	45	75	7	-	-	0	ASt	9	1
Tynemouth	1031.2	0	W	2	c	47	75	6	2500	St	4	ACu	7	*
Blacksod Point	1034.4	-2	SW	4	o	47	92	7	*	*	*	*	10	*
Donaghadee	1034.2	-1	W	2	o+	45	85	8	1500	StCu	10	-	10	*
Birr Castle	1037.1	*	SW	1	o+	43	85	7	4000	Nb	10	-	10	*
Holyhead	1035.0	-2	NW'W	5	o	45	85	8	2500	StCu	10	-	10	0
Liverpool (Bidston)	1033.4	-2	W'S	4	bc-	43	92	7	4000	St	3	CiCu	6	*
Chester (Shotwick)	1033.8	-1	NW'W	5	o	45	85	8	7200	StCu	3	ACu	9	1
Spurn Head	1030.6	-1	NW	4	o	42	92	7	4000	StCu	9	-	9	*
Birmingham (Edgbaston)	1032.9	-2	NNW	4	c	46	75	6	2500	Cu	7	-	7	2
Nottingham	1031.7	-1	NW	4	bc+	47	85	5	-	-	0	Ci	6	*
Cranwell	1031.2	-2	NW'W	4	c+	47	85	6	4000	Cu	1	CiCu	8	1
Gorleston	1028.7	0	N'W	5	bc	46	75	6	5700	Cu	4	-	4	*
Valencia (Cahirciveen)	1037.6	-4	SW'S	3	o+	46	75	8	2500	StCu	10	-	10	1
Roches Point	1037.1	-2	W	1	o	45	75	8	4000	StCu	9	-	9	*
Pembroke (St. Ann's H.)	1036.1	-2	NNW	3	bc	46	75	8	4000	StCu	2	ACu	4	*
Ross-on-Wye	1033.4	-3	N	2	o+	47	75	9	4000	StCu	5	CiSt	9	0
Leafield	1032.6	-4	NW	4	bc	49	75	7	2500	StCu	4	Ci	6	*
Andover	1032.5	-2	NW	4	c+	46	75	8	2500	Cu	3	Ci	7	1
S. Farnborough	1033.6	-2	NW	3	bc+	47	75	6	1500	Cu	2	Ci	4	2
London (Kew Obsy.)	1031.9	-3	N	3	c	47	75	6	4000	Cu	7	-	7	1
Croydon	1032.0	-3	NNW	2	o	45	75	5	2500	Cu	9	-	9	1
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	1030.9	-2	NW	5	b-	47	85	8	-	-	0	ASt	1	*
Grain	1030.9	-2	NNW	4	b-	47	75	7	4000	Cu	1	-	1	2
Lympne	1030.6	-2	N'W	4	bc	46	75	7	1500	St	4	ASt	5	2
Scilly (St. Mary's)	1037.5	-2	N'W	2	bc	48	85	8	4000	Cu	4	ACu	5	*
Falmouth (Pendennis)	1036.3	-1	N	2	bc	47	75	8	5700	StCu	5	-	5	*
Plymouth (Cattewater)	1035.0	-5	NNW	1	c+	47	75	7	2500	StCu	8	-	8	1
Portland Bill	1033.4	-4	NW	3	bc+	47	75	7	4000	Cu	2	CiSt	6	*
Southampton (Calshot)	1032.8	-4	NNW	4	bc+	47	75	7	4000	StCu	1	Ci	5	0
Dungeness	1030.8	-2	N	4	bc-	46	75	8	4000	Cu	4	-	4	*
Guernsey	1034.6	-3	NW	3	b	46	85	8	5700	Cu	1	Ci	2	*

Observations at 1800 G.M.T. 28th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Low. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9
Lerwick	1021.5	0	S	1	o/p	44	97	6	4000	Nb	4	ASt	10	0
Stornoway	1022.8	-5	SW	3	o/r	46	97	6	450	St	10	-	10	5
Wick	1024.0	-3	SW	2	o	42	97	8	5700	StCu	10	-	10	0
Castlebay	1026.0	-3	WSW	4	o/r	48	97	6	1500	Nb	10	-	10	4
Nairn	1025.6	*	W	2	c/r	43	85	8	4000	CuNb	7	-	7	*
Aberdeen	1027.7	-2	SSW	1	o	43	85	6	4000	StCu	7	ASt	10	0
Malin Head	1029.5	-3	SW	4	o	46	97	7	2500	St	8	ACu	9	4
Renfrew	1030.2	-1	WSW	3	o/r	43	92	6	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	1029.0	-1	SW	3	o/r	42	92	6	*	Nb	10	-	10	1
Leuchars	1028.3	-1	WSW	3	o/r	43	85	6	2500	StCu	8	ASt	10	*
Eskdalemuir	1031.1	0	W	3	od	40	85	7	1500	Nb	5	ASt	10	*
Tynemouth	1030.3	-1	W	2	o+	43	85	5	4000	StCu	9	-	9	2
Blacksod Point	1032.3	-1	SW	4	of+	47	92	3	*	*	*	*	10	5
Donaghadee	1031.4	-1	W	2	o	43	92	8	800	St	10	-	10	1
Birr Castle	1034.8	*	SW	1	o	43	92	6	2500	StCu	10	-	10	*
Holyhead	1034.4	-0	W	3	o	44	85	9	2500	StCu	10	-	10	1
Liverpool (Bidston)	1032.8	0	W	3	o+	42	92	7	2500	Cu	6	ASt	9	4
Chester (Shotwick)	1033.2	0	NW'W	4	o-	43	85	7	2500	StCu	9	-	9	*
Spurn Head	1030.7	0	WNW	2	o	41	97	6	2500	St	10	-	10	1
Birmingham (Edgbaston)	1032.8	0	NNW	4	c+	42	85	5	-	-	0	ASt	7	*
Nottingham	1031.7	0	NW	2	o	44	92	4	1500	St	9	-	9	*
Cranwell	1031.3	0	WNW	2	o	43	92	5	1500	StCu	10	-	10	*
Gorleston	1029.7	0	NNW	3	o+	42	92	6	-	-	0	ASt	10	1
Valencia (Cahirciveen)	1035.8	-1	S'W	2	o+	46	92	6	450	St	10	-	10	4
Roches Point	1035.7	-1	W	2	o	45	85	8	4000	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1035.7	0	NNW	3	bc+	42	75	8	4000	StCu	5	-	5	3
Ross-on-Wye	1033.0	0	NNW	1	c-	43	85	8	4000	StCu	8	-	8	*
Leafield	1032.8	0	N	3	b	40	85	6	4000	CuNb	3	-	3	*
Andover	1032.6	+0	WNW	1	c	40	92	8	2500	StCu	2	CiSt	7	*
S. Farnborough	1032.5	+0	NW	1	b	40	92	6	-	St	1	-	1	*
London (Kew Obsy.)	1032.1	0	NNW	1	b	44	85	5	-	-	0	ASt	3	*
Croydon	1032.1	+1	NW'W	2	o	44	85	4	2500	StCu	10	-	10	*
Clacton-on-Sea	1029.5	0	NW	3	o	44	85	6	2500	StCu	10	-	10	0
Shoeburyness	1030.3	0	NW	2	o+	44	75	7	-	-	0	ASt	10	*
Grain	1031.4	0	WNW	3	o+	43	85	7	4000	StCu	10	-	10	0
Lympne	1030.4	-1	N'W	4	o	43	85	6	4000	StCu	10	-	10	*
Scilly (St. Mary's)	1036.4	-1	NNW	3	c+	45	85	8	4000	StCu	8	-	8	3
Falmouth (Pendennis)	1035.4	0	N	2	c+	45	75	8	5700	StCu	8	-	8	0
Plymouth (Cattewater)	1034.8	0	N	1	c	45	85	7	4000	StCu	8	-	8	0
Portland Bill	1033.0	0	NW	2	c+	45	75	7	4000	StCu	8	-	8	1
Southampton (Calshot)	1032.4	-1	NW'N	3	c	43	85	7	-	-	0	ACu	8	0
Dungeness	1030.8	+1	WNW	2	c+	42	85	6	-	-	0	CiCu	8	2
Guernsey	1034.0	+1	NW'N	4	bc+	43	85	7	2500	StCu	6	-	6	1

LONDON OBSERVATIONS.

	Height above M.S.L. in feet.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Temperature Max. °F.	Temperature Min. °F.	Min. on Grass. °F.	Rainfall mm. Day.	Rainfall mm. Night.	Sunshine to Sunset, hrs. Yesterday.	Humidity 15h. G.M.T. %	Humidity 9h. G.M.T. % To-day.	Visibility 9h.
		24 HOURS ENDED 0900 G.M.T. 29th											
Kew	18	bc	cimbc	bmobw	*	*	28	-	-	5.1	*	*	5
Croydon } 24 hours ended 0700	244	omcz	ozm	ombw	*	*	30	-	-	1.1	*	*	5
Greenwich (Royal Obsy.)	149	ocbc	bcco	obcbo	47	37	29	-	-	3.5	75	90	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	3.2	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	49	37	33	-	-	3.5	68	90	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*		*	*	*
Camden Square	110	bbc	bcc	*	49	38	33	-	-	*	*	90	*
Kensington Palace	80	bc	bc	*	47	38	29	-	-	*	{At 18h 7.8	92	*
Hampstead Observatory	450	*	*	*	46	35	25	-	-	4.9		94	*

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 HR. ended 1800 G.M.T. 28th

South Kensington Max.	Time.	Min.	Time.
-	-	-	-
-	-		

Kew Observatory Max.	Time.	Min.	Time.
0.5	18h 27th	<0.3	3h 28th
0.4	7h 28th		

POLE STAR RECORD at Greenwich Obsy.

Exposure from 28th ..... 17 h 45 m. to 29th ..... 06 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	Record. %
Polaris	1245	0420	34
δ Ursae Minoris	1245	0041	5

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.[1]

Time.	Type.	No. per ½ sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

29th-30th January, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7.42	12.6	4.30
	7.41	12.6	4.32
Greenwich	7.46	12.13	4.41
	7.44	12.13	4.43
Wick	8.28	12.25	4.22
	8.26	12.25	4.25
Valencia	8.28	12.54	5.20
	8.27	12.54	5.22

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
ip precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain. rr = continuous rain.

SYMBOLS.
< = { less than (for cloud height). { before (for precipitation).
⊕ = solar halo. ◐ = lunar halo.
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: - = "decreasing": + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

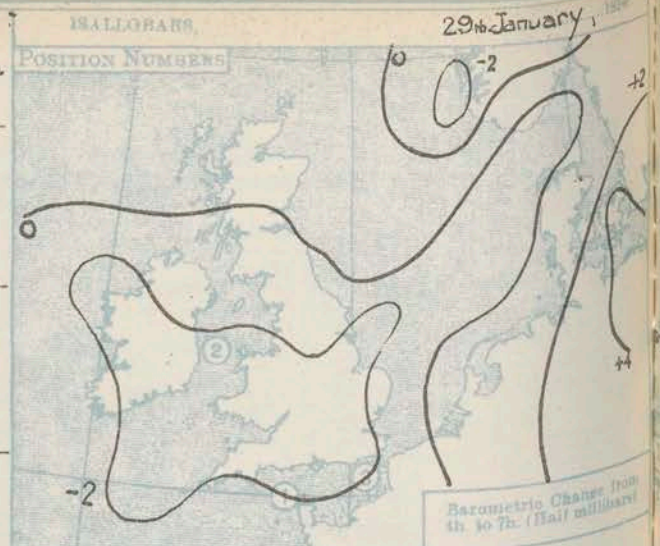
SEA DISTURBANCE.

0=no swell } Calm or slight sea.
1=mod. swell
2=heavy swell
3=no swell } Moderate sea.
4=mod. swell
5=heavy swell
6=rather rough sea.
7=rough sea.
8=very rough sea.
9=mountainous sea

For explanation see Introduction. * Information for those columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 28th	13h.-18h. 28th	18h. 28th to 1h. 29th	1h.-7h. 29th	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN. 28th Hours.
Lerwick	omd	oo	omr	omd	45	43	•	0·1	6	<0800	<2100	0·0
Stornoway	p	p	r-d	rrco	46	45	•	2	5	–	–	0·0
Wick	op₀r	oo	or₀r₀	oo	44	42	•	Trace	1	0900	<2100	•
Castlebay	or₀r	or₀r	r₀o	odd	48	47	•	1	0·2	12·30	–	0·0
Nairn	ocq	irc	cgp	cg	45	43	•	0·6	0·2	15·30	–	0·0
Aberdeen	rir₀o	oo	o·r	olr₀o	45	42	41	0·6	2	<0800	<2100	0·0
Malin Head	coz	p₀coz	mld₀	mld₀	46	45	•	Trace	0·6	14·30	<2100	0·0
Renfrew	oo	oour	od₀o	od₀	47	47	41	0·1	Trace	16·30	<2100	0·0
Edinburgh (Inchkeith)	m	mir₀	oo	c	45	41	–	Trace	1	17·30	<2100	0·5
Leuchars	bcco	oop₀	or₀r₀o	ocbc	46	41	38	Trace	0·6	17·30	<2100	0·2
Eskdalemuir	oco	oo id₀	odm	odmo	46	37	37	Trace	2	17·30	<2100	1·3
Tynemouth	c	cm	olr₀	c	47	41	40	–	0·3	–	<2100	•
Blacksod Point ...	o	f-m	f-m	oo	48	40?	•	–	–	–	–	•
Dongghadee	o	o	o	od	45	42	•	–	0·2	–	24·00	•
Birr Castle	oc	dc	oc	or₀r₀	44	43	40	–	0·5	–	05·30	0·2
Holyhead	oco	oo	ood D	Dr₀o	45	43	41	–	1	–	1400	1·0
Liverpool (Bidston) ...	oc	co		od	45	39	34	–	0·3	–	05·30	0·8
Chester (Shotwick) ...	oco	ocoo	cco	oor₀d₀	47	39	31	–	0·5	–	04·30	0·4
Spurn Head	bcco	oo	oo	olmld	44	39	•	–	Trace	–	2400	3·6
Birmingham (Edgbaston)	bcc	cbcc	com	oco	47	37	33	–	–	–	–	2·8
Nottingham	b-bc	c	c	m	48	39	38	–	–	–	–	2·2
Cranwell	b-bc	c	obco	odoo	47	38	36	–	Trace	–	05·30	5·2
Gorleston	bcq	bcoq	o	bobcm	46	38	36	–	–	–	–	5·0
Valencia (Cahirciveen)	bcco	coom	bcp	odmo	47	45	41	–	1	–	<2100	1·4
Roches Point	obco	oco	oco	omc	46	44	•	–	Trace	–	–	•
Pembroke (St. Ann's H.)	b-bc	b-bc	co	oo	47	42	•	–	–	–	–	4·3
Ross-on-Wye	cbbcvc	cvoc	cobcw	co	47	36	30	–	–	–	–	4·0
Leafield	c	co	b	bbc	?	35	•	–	–	–	–	5·8
Andover	bcc	c	cbcb	bbcc	47	35	28	–	–	–	–	6·3
S. Farnborough ...	ocbcb	ocbcb	bm	bmco	47	34	28	–	–	–	–	3·7
London (Kew Obsy.) ...	bc	cimbcm	bmobw	bwomw	48	37	28	–	–	–	–	5·1
Croydon	omcz	ozm	ombw	mob	46	36	30	–	–	–	–	1·1
Clacton-on-Sea ...	cbcz	bccoz	ozm	om	46	39	37	–	–	–	–	4·4
Shoeburyness	cbcb	bbcco	o	om	48	38	37	–	–	–	–	5·5
Grain	obb	bbo	oo	om	47	37	33	–	–	–	–	6·1
Lympne	cbc	om	om	om	46	38	36	Trace	–	–	–	5·3
Scilly (St. Mary's) ...	bc	bcc	c	o	50	42	•	–	–	–	–	•
Falmouth (Pendennis)	bc	bcco	co	co	48	43	•	–	–	–	–	5·8
Plymouth (Cattewater)	bmxc	coc	co	oo	48	41	•	–	–	–	–	4·1
Portland Bill	b-bc	c	b-bc	b-bc	48	40	•	–	–	–	–	•
Southampton (Calshot)	bbcb	bcc	bcoc	c	47	36	32	–	–	–	–	5·1
Dungeness	b-bc	c	c	oo	47	40	•	–	0·1	–	–	•
Guernsey	cbcb	bbc	bcc	c	46	42	•	–	–	–	–	•



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	28th 1010	"Cambria"	WNW	4	0	45	45	8
3	29th 0200	"Arundel"	N	2	fo.	45	48	4

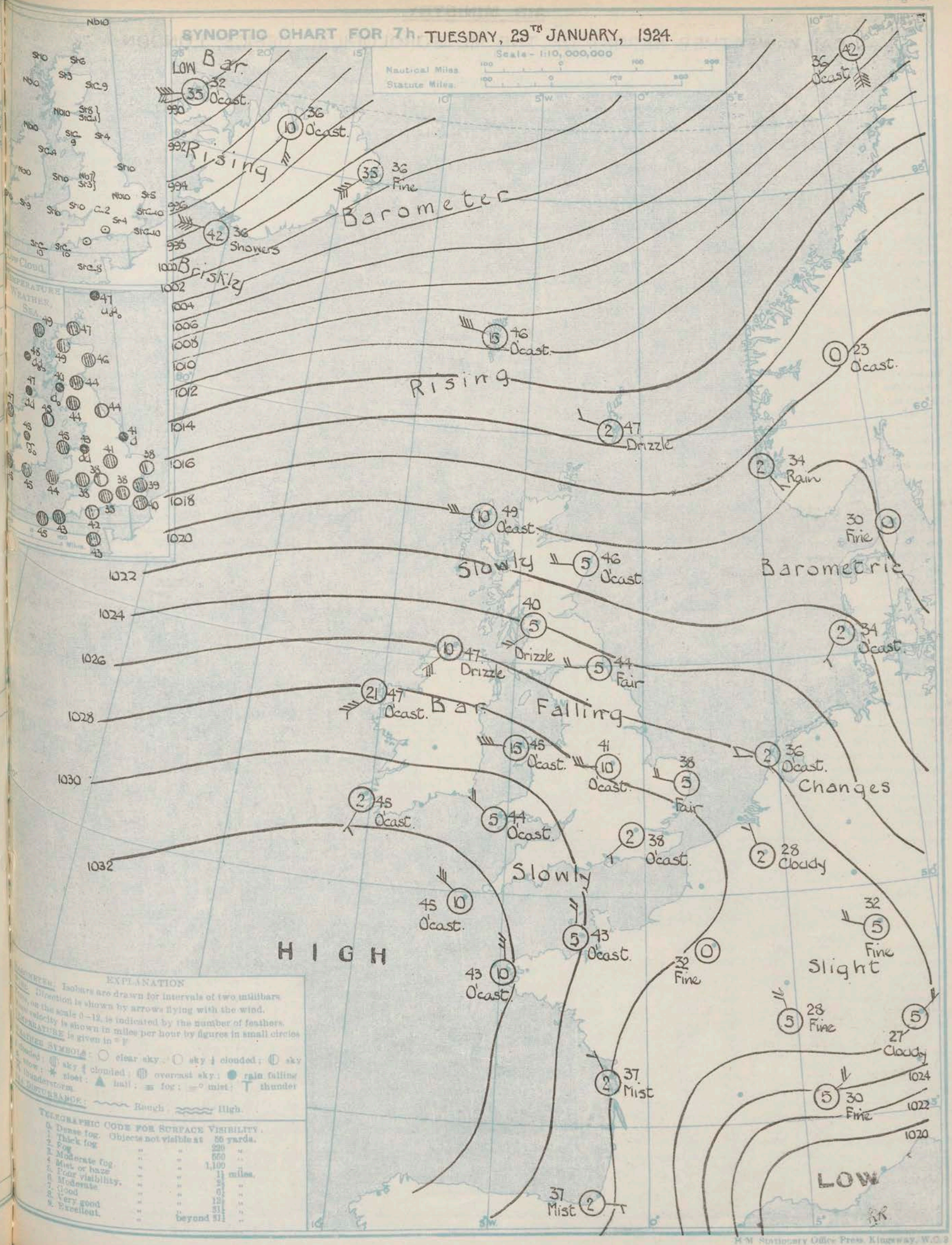
GENERAL INFERENCE.

Depressions continue to keep well to the north of Scotland and the weather will continue fair in the South but cloudy and rather unsettled in the North, with westerly winds.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Tuesday, 29th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate winds, mainly from N.W. and W.; fair; some mist; moderate temperature.	Mainly fair in the South, unsettled in the North. ---------
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man 14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland 18. N.E. Ireland	Moderate or fresh westerly winds; cloudy, occasional rain or drizzle; visibility moderate or good; rather mild.	
19. S.E. Ireland 20. S.W. Ireland	Light or moderate westerly winds; cloudy, local drizzle; visibility moderate to good; rather mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0355 GMT. EVN G. C. SIMPSON, F.R.S., Director.

† For Code, see opposite page.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Tuesday, 29th January 1924. No. 29

Observations at 0100 G.M.T. 29th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1015·6	-6	WSW	2	orr	45	97	6	4000	Nb	10	-	10
Stornoway	51	1020·8	-2	WSW	5	r	*	*	4	*	*	*	*	*
Wick	81	1018·9	-3	SW	2	o	47	92	8	2500	Nb	8	ASr	10
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1026·9	-2	WSW	5	bcd.	47	97	7	4000	Nb	4	-	4
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1024·6	-3	WSW	3	o+	42	97	8	*	-	0	ASr	10
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1027·0	-2	W	1	ojb	42	85	7	800	Nb	10	-	10
Blacksod Point	10	1029·6	-2	SW	5	o	47	97	5	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1031·6	-3	SW	2	oDD	43	97	7	800	Nb	10	-	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	26	1028·5	+2	NW'W	4	or.	40	97	5	2500	Sr	10	-	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1029·7	-1	W'S	2	o	39	97	5	4000	Sr	10	-	10
Gorleston	13	1029·3	0	WNW	1	b-	40	92	6	-	-	0	ASr	1
Valencia (Cahirciveen)	30	1032·7	-4	SW	2	bcb.	48	97	8	-	Sr	5	-	5
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1033·3	-1	WNW	3	o	44	75	8	4000	StCu	10	-	10
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	297	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	39	*	*	*	*	*	*	*
Croydon	244	1031·1	-1	WSW	1	b	36	97	4	-	-	0	-	0
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1029·8	-1	NNW	2	o	40	94	6	2500	Sr	10	-	10
Scilly (St. Mary's)	131	1035·2	-1	N'W	2	c	44	85	8	4000	StCu	7	-	7
Falmouth (Pendennis)	200	1033·6	-1	N	2	o	44	75	8	5700	StCu	10	-	10
Plymouth (Cattewater)	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Portland Bill	19	1032·7	-2	NW	3	b	43	65	7	-	-	0	-	0
Southampton (Calshot)	12	1032·0	-1	NW'N	3	c+	38	92	6	2500	StCu	8	-	8
Dungeness	21	1030·3	0	NW	2	o+	42	92	6	2500	Sr	10	-	10
Guernsey														

Observations at 0700 G.M.T. 29th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1015·5	+1	WNW	1	odd.	47	97	6	4000	Nb	10	-	10	0
Stornoway	1019·7	+1	W	3	o	49	97	6	800	Sr	10	-	10	2
Wick	1018·5	0	WSW	1	o	47	97	8	1500	Sr	6	ASr	10	0
Castlebay	1011·8	0	W	3	od.d.	48	97	6	800	Nb	10	-	10	3
Nairn	1020·6	*	W	3	c	49	85	8	1500	Sr	3	ACu	7	*
Aberdeen	1020·6	+1	W.	2	o	46	85	7	4000	StCu	9	-	9	0
Malin Head	1026·0	-1	SW	3	odd	47	97	6	4000	Nb	10	-	10	4
Renfrew	1024·9	-1	SW	2	od.	46	92	6	1500	Nb	10	-	10	*
Edinburgh (Inchkeith)	1023·3	0	SW	4	o+	44	97	7	*	Sr	9	-	9	2
Leuchars	1021·3	-1	WSW	4	bc	45	92	8	5700	StCu	4	-	4	*
Eskdalemuir	1025·6	-1	SW	4	o	44	92	7	2500	StCu	9	-	9	*
Tynemouth	1024·5	-1	W	2	bc	44	92	6	800	Sr	4	ACu	6	1
Blacksod Point	1028·1	-2	SW	5	o	47	92	7	*	*	*	*	10	5
Donaghadee	1026·5	0	W	2	bc-	45	92	8	5700	StCu	4	-	4	2
Birr Castle	1029·7	*	SW	1	or.r.	45	97	4	2500	Nb	10	-	10	*
Holyhead	1028·9	-2	W	4	o	45	97	6	1500	Sr	10	-	10	1
Liverpool (Bidston)	1027·9	-2	W'S	4	odd	43	97	6	1500	Nb	10	-	10	4
Chester (Shotwick)	1028·4	-3	NW'W	2	od.	43	97	6	1500	Nb	9	ASr	10	*
Spurn Head	1026·3	-3	WSW	4	od	41	97	5	800	Sr	10	-	10	1
Birmingham (Edgbaston)	1028·9	-2	W	2	o-	40	85	5	4000	StCu	4	ASr	9	*
Nottingham	1027·5	-1	W	3	o	41	97	4	1500	Nb	10	-	10	*
Cranwell	1027·3	-3	W	3	o	39	97	5	4000	Sr	5	ASr	10	*
Gorleston	1027·2	-1	W'N	2	bc-	38	97	5	2500	Sr	5	-	5	0
Valencia (Cahirciveen)	1030·8	-1	SSW	1	o/r	45	97	6	1500	Sr	10	-	10	3
Roches Point	1030·8	-2	W	1	o	45	97	4	4150	Sr	9	-	9	0
Pembroke (St. Ann's H.)	1030·9	-2	NW	2	o	44	97	8	1500	Sr	10	-	10	3
Ross-on-Wye	1029·1	-2	SW	2	o	38	92	8	2500	Sr	10	-	10	*
Leafield	1029·0	-4	N	2	bc+	38	85	6	5700	Cu	2	ACu	6	*
Andover	1029·2	-4	W'S	2	c+	35	97	7	5700	StCu	8	-	8	*
S. Farnborough	1029·4	-2	SW	1	o+	35	97	7	-	-	0	ASr	10	*
London (Kew Obsy.)	1028·9	-2	SW	1	o	38	97	5	2500	Sr	4	CiSr	10	*
Croydon	1029·3	-2	SW	2	o+	37	97	4	-	-	0	CiSr	10	*
Clacton-on-Sea	1028·1	-1	NW	2	o	39	92	6	4000	StCu	10	-	10	0
Shoeburyness	1028·7	-3	WNW	1	o	39	85	5	1500	Sr	10	-	10	*
Grain	1028·9	-2	W	3	od.	39	92	5	1500	Sr	10	-	10	0
Lympne	1028·2	-2	N'W	3	o	39	85	6	4000	Sr	6	ASr	10	*
Scilly (St. Mary's)	1032·7	-2	NW	3	o	45	92	8	4000	StCu	10	-	10	3
Falmouth (Pendennis)	1030·7	-3	-	0	o	43	85	8	5700	StCu	10	-	10	0
Plymouth (Cattewater)	1031·2	-1	E	1	o	41	97	7	4000	Sr	10	-	10	0
Portland Bill	1029·8	-2	NW	2	bc+	42	75	7	-	-	0	ACu	4	0
Southampton (Calshot)	1029·9	-2	NW'W	2	c	38	85	8	4000	StCu	4	CiCu	8	0
Dungeness	1028·8	-1	NNE	2	o	40	92	6	2500	StCu	10	-	10	4
Guernsey	1030·7	0	N'W	2	o-	43	85	7	5700	StCu	8	CuCu	9	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 28th Jan.

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 27th-28th. °F.	Temperature. Max. Day. 28th. °F.	Rainfall.† Night 17h.-9h. 27th-28th. mm.	Rainfall.† Day 9h.-17h. 28th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 28th. hr.
Douglas	c	o	41	46	-	-		0·4
Montrose	cvbc	cz	40	47	-	-		0·5
Berwick-on-Tweed	bccov	bbcz	43	47	-	-		1·6
Llandudno	c	c	42	46	-	-		0·8
Colwyn Bay	bc	bc	41	45	-	-		0·4
Rhyl	ccbc	bc	42	45	-	-		1·0
Southport	co	co	41	43	0·1	-		0·2
Blackpool	oc	cu	41	45	-	-		0·6
Ilkley	bbcbbc	b	37	47	-	-		3·0
Harrogate	b	b	37	47	-	-		3·8
Skegness	b	bcom	35	47	-	-		4·2
Aberystwyth	bcc	o	43	46	-	-		0·2
Bath	bbcc	co	33	48	-	-		2·0
Leamington Spa	bc	bcm	35	47	-	-		4·8
Lowestoft	ocbbc	bcco	34	46	-	-		4·9
Felixstowe	bm	omq	36	46	-	-		4·2
Southend	bccb	bbccm	35	48	-	-		5·0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 27th-28th. °F.	Temperature. Max. Day. 28th. °F.	Rainfall.† Night 17h.-9h. 27th-28th. mm.	Rainfall.† Day 9h.-17h. 28th. mm.	Sunshine.	Sunshine. Sunrise to Sunset. 28th. hr.
Ilfracombe	bcco	oco	43	49	-	-		4·1
Bude	b	b	44	48	-	-		6·7
Torquay	b	b	36	50	-	-		5·1
Weymouth	bcb	bbc	36	50	-	-		6·0
Bournemouth	b	b	36	49	-	-		6·5
Portsmouth (S'thsea)	b	bbcb	35	48	-	-		4·7
Littlehampton	bc	bc	34	49	-	-		5·3
Worthing	b	c	34	47	-	-		4·6
Brighton	bc	c	37	48	-	-		4·8
Eastbourne	cbcb	bbcco	35	48	-	-		5·1
Hastings	ocbcb	bbcor.	36	47	trace	-		5·1
Folkestone	xoc	c	36	47	-	-		5·2
Dover	mbcb	bbcco	39	47	-	-		5·2
Tunbridge Wells	cb	bcco	33	47	-	-		3·0
Ramsgate	b	bom	36	47	-	-		4·8
Margate	b	bbcco	38	44	-	-		5·1
Deal	cbcb	bbcc	36	45	-	-		4·7

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 5. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B.22,714 Wednesday 30th January 1924.

Observations at 1300 G.M.T. 29th

STATIONS. (For heights see p. 4).	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	State of ground.
Lerwick	1017.4	+2	W	1	o	47	97	6	2500	st	7	A st	10	•
Stornoway	1020.3	+1	WSW	3	o	50	97	6	800	st	10	-	10	•
Wick	1020.3	+2	-	0	o	49	92	8	1500	st	8	A.Cu	10	•
Castlebay	1023.2	0	WSW	4	odo	48	97	6	800	Nb	10	-	10	•
Nairn	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	1021.8	+1	~	0	o	53	85	6	4000	st.Cu	9	-	9	1
Malin Head	1025.9	0	WSW	3	o	47	97	7	2500	st	10	-	10	•
Renfrew	1024.6	-1	WSW	2	o/r	49	92	6	1500	st.Cu	10	-	10	1
Edinburgh (Inchkeith)	1023.1	-1	SW	3	c-	47	97	6	•	-	0	A.Cu	7	•
Leuchars	1022.4	0	WSW	3	b	53	75	8	-	-	0	A.Cu	3	1
Eskdalemuir	1025.6	0	W'S	2	odo	47	92	6	800	st.	10	-	10	1
Tynemouth	1023.7	-1	W	3	bc	49	85	6	800	st	2	A.Cu	6	•
Blacksod Point	1027.0	-1	S	5	o-	50	85	8	•	•	•	•	9	•
Donaghadee	1026.3	0	W	1	c-	50	92	8	800	st.Cu	3	Ci.st.	7	•
Birr Castle	1030.7	*	S	1	o-	46	92	7	4000	st.Cu	9	-	9	•
Holyhead	1028.4	-1	W'S	3	o	47	92	6	800	st.	10	-	10	1
Liverpool (Bidston)	1027.6	-2	WSW	3	o/r	44	97	7	1500	Nb	10	-	10	•
Chester (Shotwick)	1027.9	-2	NW	4	o	47	92	7	1500	st.	10	-	10	1
Spurn Head	1025.2	-1	WNW	4	mo-	43	97	4	800	st.	8	A.Cu	10	•
Birmingham (Edgbaston)	1027.9	-2	NW	2	o/r	46	85	5	4000	Cu	9	-	9	2
Nottingham	1026.2	-1	WNW	3	b-	47	85	8	-	-	0	A.Cu	3	•
Cranwell	1026.2	-1	W	3	c-	46	92	6	5700	st.Cu	3	Ci.Cu	7	0
Gorleston	1025.8	-1	WSW	2	o/r	41	92	4	2500	Nb	10	-	10	•
Valencia (Cahirciveen)	1029.8	-2	—	0	o+	47	85	8	1500	st	7	A.st	10	1
Roches Point	1029.2	-1	N	1	c-	47	92	5	800	st.Cu	7	-	7	•
Pembroke (St. Ann's H.)	1029.4	-1	WNW	3	c	46	97	8	1500	Cu	7	-	7	•
Ross-on-Wye	1027.8	-2	SW	2	bc-	49	75	8	5700	st.Cu	4	-	4	0
Leafield	1027.8	-2	WNW	3	bc+	46	85	8	4000	Cu	3	Ci.Cu	6	*
Andover	1027.9	-2	W	3	o	44	85	6	1500	st.	10	-	10	1
S. Farnborough	1028.0	-3	WSW	2	o	45	85	7	4000	st.	10	-	10	1
London (Kew Obsy.)	1027.6	-4	W	2	o	43	85	6	-	-	0	A.st	10	1
Croydon	1027.8	-3	W'N	2	o	43	85	5	800	st	8	A.st	10	1
Clacton-on-Sea	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	1027.4	-1	W'N	1	ododo	41	85	2	450	st.	10	-	10	•
Grain	1028.0	-2	SW	3	odo	41	97	4	450	st.	10	-	10	2
Lympne	1027.7	-2	W	3	odo	41	97	3	<150	Nb	10	-	10	2
Scilly (St. Mary's)	1031.2	-1	NW	1	c-	48	85	8	4000	Cu.Nb	4	A.Cu	7	•
Falmouth (Pendennis)	1030.4	0	NNW	1	o	46	92	8	5700	st.Cu	10	-	10	•
Plymouth (Cattewater)	1029.6	-3	WNW	1	o	47	85	7	1500	st.Cu	10	-	10	0
Portland Bill	1029.8	-2	NW	2	o+	45	85	7	-	-	0	A.st	10	•
Southampton (Calshot)	1028.4	-4	NNW	3	o	45	75	6	5700	st.Cu	3	A.st	10	0
Dungeness	1028.1	-1	NW	2	odo	43	92	5	800	st.	10	-	10	•
Guernsey	1029.5	-3	NNW	2	o	45	75	8	4000	st.Cu	10	-	10	•

Observations at 1800 G.M.T. 29th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind Direc.	Wind Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud Low Height Feet	Cloud Low Form	Cloud Low Amt. 0-10	Cloud Upper Form.	Cloud Total Amt. 0-10	Sea. 0-9
Lerwick	1016.6	-1	SW	1	od_o	46	97	6	2500	St	10	•	10	0
Stornoway	1018.2	-2	SW	4	o	47	92	6	800	St	10	•	10	3
Wick	1018.7	-2	SW	2	bc-	46	97	8	4000	Cu	2	ACu	4	0
Castlebay	1021.7	-1	SW	4	od_o	46	97	6	1500	Nb	10	•	10	4
Nairn	1020.8	•	W	1	b-	48	85	8	-	-	0	ACu	3	•
Aberdeen	1021.9	0	WSW	1	b-	45	97	4	5700	StCu	2	-	2	0
Malin Head	1024.3	-2	SW	2	o	47	97	7	5700	StCu	10	-	10	3
Renfrew	1025.1	+1	WSW	3	od_o	48	92	4	1500	St	10	-	10	•
Edinburgh (Inchkeith)	1023.7	+1	WSW	2	b-	46	97	6	•	-	0	-	0	1
Leuchars	1022.7	+1	WSW	3	b	46	92	8	-	-	0	-	0	•
Eskdalemuir	1024.8	0	W	2	b-	46	85	6	1500	St	1	CiC	4	•
Tynemouth	1024.0	+1	W	2	b	46	92	6	-	-	0	-	0	1
Blacksod Point	1025.3	-2	SW	6	bc-	45	85	7	•	•	•	•	4	5
Donaghadee	1025.6	0	W	1	o+	48	92	7	800	St	10	•	10	1
Birr Castle	1027.9	•	WSW	1	o	46	85	6	4000	StC	9	-	9	•
Holyhead	1027.8	+1	W'N	1	ojp	47	92	8	1500	StC	10	-	10	0
Liverpool (Bidston)	1027.4	0	W'S	3	mo+	44	97	3	1500	Nb	10	-	10	3
Chester (Shotwick)	1027.0	-1	NW	3	o-	45	92	6	800	StC	9	-	9	•
Spurn Head	1025.0	0	W'N	4	o	43	97	6	2500	St	10	-	10	2
Birmingham (Edgbaston)	1027.3	0	[illegible]	3	mmbc	44	92	4	2500	StC	5	-	5	•
Nottingham	1025.9	0	W	2	o+	46	85	6	1500	St	10	-	10	•
Cranwell	1026.1	+1	W	3	o	45	97	6	2500	StC	10	-	10	•
Gorleston	1026.2	0	WSW	2	o	42	97	4	2500	Nb	10	-	10	0
Valencia (Cahirciveen)	1028.3	-1	SSW	2	o	45	85	8	1500	St	7	ASt	10	1
Roches Point	1028.1	0	W	1	o	46	97	7	2500	St	10	•	10	0
Pembroke (St. Ann's H.)	1028.7	0	•	0	c	45	97	8	4000	StC	8	•	8	3
Ross-on-Wye	1027.3	0	W	1	ov	46	85	9	4000	StC	10	-	10	•
Leafield	1027.8	0	WSW	1	o	44	92	7	2500	St	10	•	10	•
Andover	1027.7	0	WSW	1	o	44	92	5	1500	St	10	-	10	*
S. Farnborough	1027.7	0	W	1	o	43	97	6	5700	St	10	-	10	•
London (Kew Obsy.)	1027.4	0	WSW	1	o	45	92	5	4000	StC	10	-	10	•
Croydon	1027.6	-1	WSW	2	o	44	92	5	1500	St	10	-	10	•
Clacton-on-Sea	1026.7	0	W	1	odd	42	97	1	800	St	10	-	10	0
Shoeburyness	1027.0	0	WSW	1	ffbc°°	42	85	2	1500	St	4	-	4	•
Grain	1027.4	0	WSW	3	od_oo	41	97	4	450	St	10	-	10	0
Lympne	1026.6	0	NW	2	o/r	40	97	1	450	Nb	10	-	10	•
Scilly (St. Mary's)	1030.1	-1	NW'N	1	o	45	97	8	4000	StC	5	ASt	10	1
Falmouth (Pendennis)	1030.0	0	N	2	od_o	45	97	7	4000	StC	10	-	10	0
Plymouth (Cattewater)	1029.1	0	NNW	3	o	47	92	7	1500	St	10	-	10	0
Portland Bill	1029.8	0	NW	2	o	46	92	7	-	-	0	ASt	10	1
Southampton (Calshot)	1028.0	0	W	2	od_o	44	97	6	1500	Nb	10	-	10	0
Dungeness	1027.1	-1	NW	1	o/f	41	92	6	?	St	10	-	10	2
Guernsey	1029.2	0	•	0	odd°°	44	97	5	1500	St	10	-	10	0

LONDON OBSERVATIONS. (Weather and temperature: 24 HOURS ENDED 0900 G.M.T. 30th; Kew, Croydon: 21 hours ended 0700)

Station	Height above M.S.L. in feet	Weather Morning	Weather Afternoon	Weather Night	Temp. Max. °F.	Temp. Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Rainfall mm. Night	Sunshine to Sunset, hrs.	Humidity 15h. G.M.T. % Yesterday	Humidity 9h. G.M.T. % To-day	Visibility 9h.
Kew	18	om	om	omesf	•	•	28	0.1	Tr	0.0	•	•	1
Croydon	244	omr.13	odom	ombrw	•	•	34	Tr	-	0.0	•	•	1
Greenwich (Royal Obsy.)	149	od	o	oomof	45	39	28	Tr	-	0.0	84	98	1
City (Bunhill Row)	80	•	•	•	•	•	•	•	•	0.0	•	•	•
Westminster (St. James' Pk.)	27	•	•	•	46	38	31	-	-	0.0	86	95	•
Regent's Pk. (Botanic Gdns).	168	•	•	•	•	•	•	•	•	0.0	•	•	•
Camden Square	110	oodo	o	•	46	39	33	0.3	-	•	•	98	•
Kensington Palace	80	om	o	•	46	39	29	-	0.1	•	At 18h	92	•
Hampstead Observatory	450	•	•	•	45	37	25	?	?	0.0	86	100	•

ATMOSPHERIC POLLUTION. Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 29th.

South Kensington

Max.	Time.	Min.	Time.
2.5	18h. 28th	0.6	1h 29th
2.5	8h. 29th		

Kew Observatory

Max.	Time.	Min.	Time.
-	-	-	-

POLE STAR RECORD at Greenwich Obsy.

Exposure from 29th 17h 45m. to 30th 06h 30m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12-45	00-00	-
δ Ursae Minoris	12-45	00-00	-

CODE FOR STATE OF GROUND.

0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics)[1] AT CROYDON.

Time.	Type.	No. per ¼ sec.	Stren.	Direc.
13h.	-	-	-	-
18h.	-	-	-	-
01h.	-	-	-	-
07h.	-	-	-	-

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM. 30th-31st January, 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7-41	12-6	4-32
	7-40	12-7	4-34
Greenwich	7-44	12-13	4-43
	7-43	12-14	4-45
Wick	8-26	12-25	4-25
	8-24	12-26	4-28
Valencia	8-27	12-54	5-22
	8-26	12-55	5-24

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, " less than 200 m.
m mist, " 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_0 = slight rain.
rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⩀ = lunar halo.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions, thus:—b/r = fair weather after rain.
— = "decreasing"; + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

Beaufort No.	Statute miles per hour.
0	Less than 1
1	1-3
2	4-7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

SEA DISTURBANCE.

0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea
7=rough sea.
8=very rough sea.
9=mountainous sea

[1] For explanation see Introduction.
* Information for these columns not usually received.
‡ The barometric change is expressed in half millibars.
§ For code see page 3

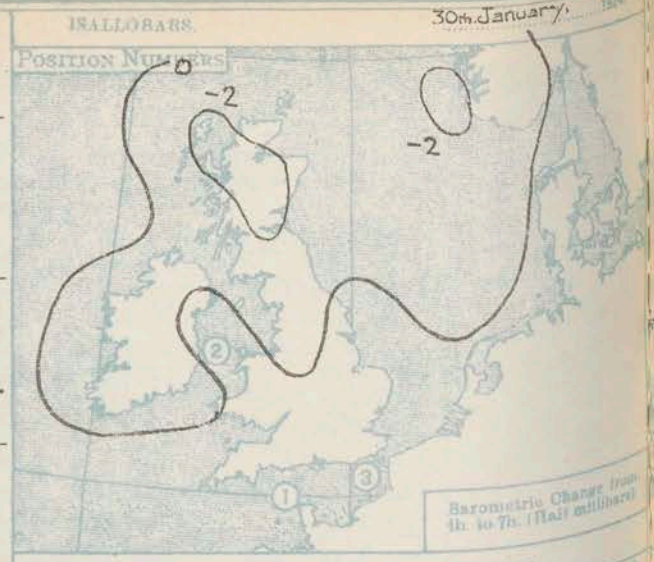
SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 29th	WEATHER. 13h.-18h. 29th	WEATHER. 18h. 29th to 1h. 30th	WEATHER. 1h.-7h. 30th	TEMPERATURE. MAX. Day. 7h.-18h.	TEMPERATURE. MIN. Night. 18h.-7h.	TEMPERATURE. MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	RAINFALL.† Night. 18h.-7h. mm.	RAINFALL.† Precipitation began.	RAINFALL.† Precipitation began	SUN. 29th Hours.
Lerwick	oo	omd	bc	bc	48	44	.	0.2	0.1	<0800	<2100	0.0
Stornoway	oo	p	c	oo	50	43	.	0.3	-	-	-	0.0
Wick	oo	cW	b-bc	oo	50	42	.	-	-	-	-	.
Castlebay	ddodo	d.md.	obc	bco	48	45	.	0.3	-	<0800	-	0.0
Nairn	cbcb	bW	bqbc	bc	54	41	.	-	-	-	-	5.0
Aberdeen	oo	ocmbm	bmN	bmx	53	34	25	-	-	-	-	0.1
Malin Head	ldem	co	cobce	bcv	47	41		0.3	-	<0800	-	0.0
Renfrew	odom	oomd.	odomd	oo	50	45	44	trace	Trace	<0800	<2100	0.0
Edinburgh (Inchkeith)	oc	m	mo	oo	49	43	.	-	..	-	-	3.2
Leuchars	cbco	bb	bbcco	obrso	53	40	33	-	0.2	-	-	4.5
Eskdalemuir	ooldo	oob	bopc	cofco	49	41	36	~~trace~~ 0.1	Trace	0800	<2100	0.4
Tynemouth	bbc	bbcm	c	cm	50	40	37	-	-	-	-	.
Blacksod Point	oo	c	b-bc	oo	50	42	.	-	-	-	-	.
Donaghadee	oo	or-d	o	o	50	42	.	trace	-	1230	-	.
Birr Castle	ogco	co	co	o	48	42	40	0.3	-	<0800	-	0.3
Holyhead	oo	oDo	oo	olds	49	42	42	trace	Trace	1730	05.30	0.5
Liverpool (Bidston)	doom	om		fdso	46	43	41	-	0.2	-	<2100	0.0
Chester (Shotwick)	odso	od.oo	obb	bcopso	47	43	39	trace	Trace	<0800	03.30	0.2
Spurn Head	mmo	f-m	o	offo	44	39	.	0.2	-	<0800	-	0.0
Birmingham (Edgbaston)	odo	ocm	bccom	oo	47	42	37	0.3	-	0900	-	0.4
Nottingham	cm	cm	om	f-m	49	38	31	-	-	-	-	1.4
Cranwell	oo	bbc	od.co	f-m	48	40	36	-	Trace	-	<2100	2.1
Gorleston	ogdm	od.dm	com	comf	42	41	40	2	0.5	0900	<2100	0.0
Valentia (Cahirciveen)	opdco	o	omd	oodom	47	45	42	trace	Trace	-	-	0.0
Roches Point	ofcm	oo	ods	dso	48	43	.	trace	0.3	-	<2100	.
Pembroke (St. Ann's H.)	c	c	F	ofoff	47	40	.	-	-	-	-	1.9
Ross-on-Wye	ockbc	bcvov	ogbc	co	51	39	32	-	-	-	-	2.9
Leafield	bcc	co	cbc	bbcco	47	35	.	-	-	-	-	3.1
Andover	coom	om	omom	bombfs	47	30	23	-	Trace	-	-	0.0
S. Farnborough	oomo	oomm	ofd	ombm	46	33	28	-	Trace	-	-	0.0
London (Kew Obsy.)	om	om	omcoff	bfofof	46	36	28	0.1	Trace	0900	-	0.0
Croydon	omrfs	odom	ombw	bwF	45	40	34	trace	-	0900	-	0.0
Clacton-on-Sea	ogmd	ogmfd	odfm	odme	42	39	37	2	0.2	0900	<2100	0.0
Shoeburyness	omoddffodofcb		bcffff	off	42	39	37	0.6	Trace	<0800	-	0.0
Grain	oldom	d.o.m	ods.d	oofm	42	39	36	1	Trace	<0800	-	0.0
Lympne	omfd	ofd	of	ofm	41	38	35	1	0.1	1330	-	0.0
Scilly (St. Mary's)	oc	co	b	bbcbd	49	41	.	-	0.2	-	<2100	2.0
Falmouth (Pendennis)	co	comd	omdbc	bccom	46	39	.	trace	Trace	1530	<2100	0.0
Plymouth (Cattewater)	oo	oo	ob	bow	48	37	.	-	-	-	-	0.1
Portland Bill	c	oo	b-bc	oo	47	43	.	-	Trace	-	<2100	.
Southampton (Calshot)	oo	ood.o	bom	ido.o	46	39	35	trace	Trace	1530	04.30	0.8
Dungeness	mpdm	oo	oo	omm	43	39	.	1	-	<0800	-	.
Guernsey	co	od.d.	oddmd	oo	46	41	.	trace	2	1530	<2100	.

† For Code see opposite page.

ISALLOBARS. 30th January, 1924.

POSITION NUMBERS.



Observations from Cross Channel Steamers.

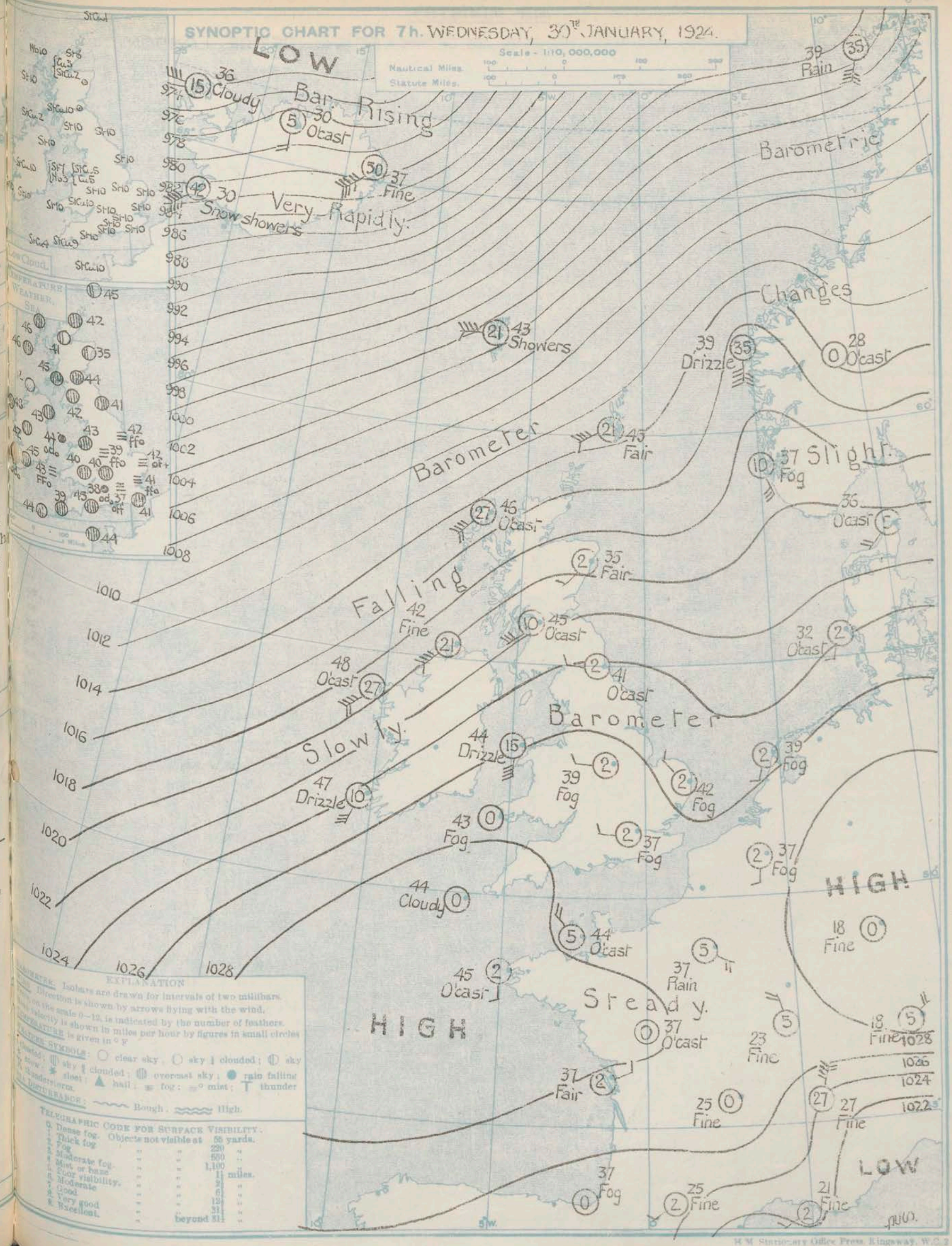
Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	29th 1515	"Hibernia"	W	4	bc	47	47	4
1	29th 1300	"Reindeer"	N	3	o+	47	49	8
3	30th 0200	"Brighton"	NNW	1	mb	47	48	5

GENERAL INFERENCE.

Pressure continues high off our S.W. coasts. A secondary depression northwest of Ireland is likely to move northeast. Winds will be mainly from W. and S.W., strong at times in the North with some rain or drizzle in the North, but cloudy to fair and rather misty weather will continue in the South.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Wednesday, 30th January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands 5. S.W. England 6. South Wales	Light or moderate winds, mainly from west; cloudy to fair; some mist or fog; moderate temperature.	Mainly fair in the South, unsettled in the North.
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind S.W., strong at times; much cloud, some rain or drizzle; visibility moderate or good; rather mild.	South Cone hoisted 1915 GMT 29/1/24.
14. N. & N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands	Wind S.W., strong to a gale at times; much cloud, some rain; visibility mainly good; moderate temperature.	
17. N.W. Ireland 18. N.E. Ireland	As 7 - 13.	
19. S.E. Ireland 20. S.W. Ireland	Wind S.W., light or moderate; much cloud, local drizzle; visibility moderate to good; rather mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0910 G.M.T. G. C. SIMPSON, F.R.S., Director.



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Wednesday, 30th January, 1924. No. 30

Observations at 0100 G.M.T. 30th

STATIONS.	Height above M.S.L. in feet	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10
Lerwick	54	1014·3	-1	W	3	bc	45	97	7	5700	StCu	3	ASt	5
Stornoway	51	1016·9	-2	SW	6	bc	•	•	5	•	•	•	•	•
Wick	81	1016·5	-2	SW	3	b	44	97	9	-	-	0	-	0
Castlebay	37	•	•	•	•	•	•	•	•	•	•	•	•	•
Nairn	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Aberdeen	40	•	•	•	•	•	•	•	•	•	•	•	•	•
Malin Head	71	1021·2	-2	SE	5	b	43	97	8	-	-	0	AC	1
Renfrew	38	•	•	•	•	•	•	•	•	•	•	•	•	•
Edinburgh (Inchkeith)	180	1013·0	-1	SW	4	o/f	44	97	7	•	St	10	-	10
Leuchars	36	•	•	•	•	•	•	•	•	•	•	•	•	•
Eskdalemuir	794	•	•	•	•	•	•	•	•	•	•	•	•	•
Tynemouth	118	1024·4	0	W	1	0	46	92	6	800	St	10	-	10
Blacksod Point	10	1021·9	-2	SW	5	0+	47	85	5	•	•	•	•	10
Donaghadee	35	•	•	•	•	•	•	•	•	•	•	•	•	•
Birr Castle	175	•	•	•	•	•	•	•	•	•	•	•	•	•
Holyhead	29	1016·3	-1	SW	1	0	46	92	7	1500	StCu	10	-	10
Liverpool (Bidston)	189	•	•	•	•	•	•	•	•	•	•	•	•	•
Chester (Shotwick)	16	•	•	•	•	•	•	•	•	•	•	•	•	•
Spurn Head	20	1025·4	0	NNW	3	b	41	97	5	-	-	0	-	0
Birmingham (Edgbaston)	525	•	•	•	•	•	•	•	•	•	•	•	•	•
Nottingham	82	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranwell	237	1026·2	-1	WS	2	0	41	97	3	2500	St	8	CiSt	10
Gorleston	13	1025·3	0	WNW	2	0	42	97	4	2500	St	10	-	10
Valencia (Cahirciveen)	30	1015·8	-3	SSW	3	od.	47	92	7	-	St	10	-	10
Roches Point	32	•	•	•	•	•	•	•	•	•	•	•	•	•
Pembroke (St. Ann's H.)	149	1027·6	-1	NNW	2	FFo	41	97	0	<150	St	10	-	10
Ross-on-Wye	223	•	•	•	•	•	•	•	•	•	•	•	•	•
Leafield	556	•	•	•	•	•	•	•	•	•	•	•	•	•
Andover	387	•	•	•	•	•	•	•	•	•	•	•	•	•
S. Farnborough	220	•	•	•	•	•	•	•	•	•	•	•	•	•
London (Kew Obsy.)	18	•	•	•	•	•	37	•	•	•	•	•	•	•
Croydon	244	1026·9	-1	W	2	b	41	97	5	-	-	0	-	0
Clacton-on-Sea	54	•	•	•	•	•	•	•	•	•	•	•	•	•
Shoeburyness	11	•	•	•	•	•	•	•	•	•	•	•	•	•
Grain	20	•	•	•	•	•	•	•	•	•	•	•	•	•
Lympne	350	1026·5	0	NW	2	ffo	39	97	1	<150	St	10	-	10
Scilly (St. Mary's)	131	1028·3	-1	-	0	b	42	97	8	4000	Cu	3	-	3
Falmouth (Pendennis)	200	1023·4	-1	W	1	b	42	97	8	4000	StCu	2	-	2
Plymouth (Cattewater)	82	-	•	•	•	•	•	•	•	•	•	•	•	•
Portland Bill	19	1027·1	-2	NW	1	0	45	92	7	1500	St	10	-	10
Southampton (Calshot)	12	1027·6	-1	WSW	2	0	42	97	6	1500	St	10	-	10
Dungeness	21	1026·7	0	NW	2	0	43	97	6	-	-	0	ASt	10
Guernsey														

Observations at 0700 G.M.T. 30th

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Low. Form	Low. Amt. 0-10	Upper Form.	Total Amt. 0-10	Sun.
Lerwick	1039	-1	WSW	2	bc	45	85	6	5700	StCu	1	ASt	5	4
Stornoway	1014·2	-2	SW	6	o	46	85	7	800	Nb	10	-	10	5
Wick	1015·1	-1	SW	1	o	42	97	8	1500	St	8	CiSt	10	0
Castlebay	1017·8	-1	SW	4	o	46	97	8	2500	St	10	-	10	4
Nairn	1017·5	•	W	2	bc	41	85	8	1500	Cu	5	-	5	•
Aberdeen	1018·5	-2	SW	1	bc	35	92	5	-	-	0	ASt	6	0
Malin Head	1020·5	0	SW	5	b+	42	92	9	5700	StCu	2	-	2	4
Renfrew	1022·5	-1	SW	3	o	45	85	6	2500	StCu	10	-	10	•
Edinburgh (Inchkeith)	1021·2	-2	W	3	o	44	92	8	•	-	0	ASt	9	1
Leuchars	1020·6	-1	W	4	o	45	85	7	2500	StCu	10	-	10	•
Eskdalemuir	1024·0	0	SW	4	o	42	92	6	1500	St	10	-	10	•
Tynemouth	1024·0	-1	W	1	o+	41	97	4	800	St	10	-	10	0
Blacksod Point	1019·9	-1	SW	6	o	48	75	6	•	•	•	•	10	5
Donaghadee	1023·4	0	SSW	2	o+	43	92	8	800	St	10	-	10	2
Birr Castle	1024·5	•	SW	1	o+	42	92	5	2500	StCu	10	-	10	•
Holyhead	1025·9	0	S	4	od.	44	92	7	1500	St	10	-	10	1
Liverpool (Bidston)	1026·1	0	SW	2	o/r	43	97	7	2500	StCu	10	-	10	3
Chester (Shotwick)	1026·1	0	SSW	3	o	45	85	6	1500	St	10	-	10	•
Spurn Head	1025·7	+1	SW'W	2	ffo	42	97	2	800	St	10	-	10	1
Birmingham (Edgbaston)	1026·9	-1	NW	1	o	43	92	5	2500	St	10	-	10	•
Nottingham	1026·4	+1	W	1	ffo	39	97	2	800	St	10	-	10	•
Cranwell	1026·4	0	W'S	1	fo-	42	97	3	800	St	10	-	10	0
Gorleston	1025·7	0	NW	1	fo+	42	97	2	2500	St	10	-	10	•
Valencia (Cahirciveen)	1024·5	-1	SSW	3	od+	47	85	6	<150	St	10	-	10	4
Roches Point	1025·2	-1	W	1	o	45	97	8	2500	St	10	-	10	0
Pembroke (St. Ann's H.)	1027·0	-1	-	0	FFo	43	97	1	<150	St	10	-	10	3
Ross-on-Wye	1026·9	0	-	0	u	40	92	8	4000	StCu	10	-	10	•
Leafield	1027·3	0	WSW	1	o+	38	97	6	800	St	10	-	10	•
Andover	1027·3	0	-	0	FFb	30	97	1	-	-	0	-	0	•
S. Farnborough	1027·5	0	-	0	od.	38	97	4	<150	St	10	-	10	•
London (Kew Obsy.)	1027·2	0	W	1	ffo	37	97	2	2500	St	10	-	10	•
Croydon	1027·4	0	WNW	1	FFo	40	97	1	<150	St	10	-	10	0
Clacton-on-Sea	1026·1	0	NW	1	ffo	41	97	3	800	St	10	-	10	•
Shoeburyness	1027·7	0	WNW	1	ffo	42	85	3	1500	St	10	-	10	0
Grain	1026·8	0	W	2	mmo	41	97	4	450	St	10	-	10	•
Lympne	1026·5	0	N	1	fo	41	97	3	<150	St	10	-	10	•
Scilly (St. Mary's)	1028·5	0	-	0	c+	44	97	8	4000	StCu	4	ASt	7	1
Falmouth (Pendennis)	1028·2	0	N	1	o+	39	97	7	4000	StCu	9	-	9	0
Plymouth (Cattewater)	1028·8	0	-	0	o	39	97	6	225	St	10	-	10	0
Portland Bill	1027·5	0	-	0	o	45	92	7	1500	St	10	-	10	1
Southampton (Calshot)	1027·6	0	W	1	o	42	97	7	1500	St	10	-	10	0
Dungeness	1026·1	0	NW	1	o	41	92	5	2500	St	10	-	10	2
Guernsey	1027·7	0	NW'N	2	o	44	97	7	2500	StCu	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 29th January

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 28th-29th °F	Temperature. Max. Day. 29th °F	Rainfall.† Night 17h.-9h. 28th-29th mm.	Rainfall.† Day 9h.-17h. 29th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 29th hr.
Montrose	cb bcc	cbbco	41	48	1	-		2·3
Berwick-on-Tweed	bc3	bcov	41	56	1	-		2·2
Llandudno	cpofb	bcbcb	45	52	1	-		4·2
Colwyn Bay	dmo	o	42	46	0·2	-		0·0
Rhyl	c	c	41	47	-	-		0·5
Southport	ccbcc	bc	41	47	0·4	-		0·5
Blackpool	roe	co	41	45	1	-		0·0
Ilkley	odom	bcbco	39	48	0·3	-		0·8
Harrogate	b	b	38	49	0·4	-		1·9
Skegness	omdo	o	39	49	-	Trace		0·0
Aberystwyth	roc	b	43	46	4	-		0·5
Bath	moc	o	35	48	-	-		0·2
Leamington Spa	cb3	cbbc	37	48	-	-		0·5
Lowestoft	ofdof	roof	38	41	0·2	2		0·0
Felixstowe	omomd	omd	38	42	-	2		0·0
Southend	omdfe	ofefe	38	42	0·2	1		0·0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 28th-29th °F	Temperature. Max. Day. 29th °F	Rainfall.† Night 17h.-9h. 28th-29th mm.	Rainfall.† Day 9h.-17h. 29th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 29th hr.
Ilfracombe	od	d	43	46	-	-		0·0
Bude	d	d	42	48	-	2		0·0
Torquay	c	codo	40	49	-	-		0·1
Weymouth	co	odo	37	46	-	0·2		0·1
Bournemouth	bm	df	36	48	-	-		2·0
Portsmouth (S'thsea)	cmco	odom	38	46	-	-		0·2
Littlehampton	bc	oc	36	45	-	-		0·0
Worthing	o	o	38	45	-	-		0·0
Brighton	co	co	39	44	-	-		0·0
Eastbourne	o	o	40	45	-	-		0·0
Hastings	omo	oadmf	39	44	0·1	1		0·0
Folkestone	de	de	39	46	-	1		0·0
Dover	omrd	omido	40	43	Trace	1		0·0
Tunbridge Wells	o	odo	36	43	-	0·3		0·0
Ramsgate	omd	omd	39	46	0·3	1		0·0
Margate	od	odm	39	42	0·1	1		0·0
Deal	or	od	38	45	-	Trace		0·0

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* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. No. B22,715 Thursday, 31st. January 1924. Page 1.

Observations at 1300 G.M.T. 30th / Observations at 1800 G.M.T. 30th

STATIONS. (For heights see p.4).	1300: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Low. Height Feet	Form	Amt. 0–10	Upper Form.	Total Amt. 0–10	State of ground.	1800: Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Force 0–12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0–9	Cloud. Low. Height Feet	Form	Amt. 0–10	Upper Form.	Total Amt. 0–10	Sea. 0–9
Lerwick	1013·3	0	SW	5	c	46	85	7	2500	St	5	Ci	8	*	1017·5	+5	–	0	bc	43	85	6	5700	StCu	3	Ci	4	0
Stornoway	1016·2	+3	SSW	3	o	45	92	7	800	Nb	9	–	9	*	1018·9	+3	–	0	b–	40	97	8	4000	Cu	2	–	2	0
Wick	1016·2	0	SW	3	c	47	92	8	4000	St.Cu	5	Ci.Cu	7	*	1019·2	+3	W	1	o/r	43	97	8	1500	St	6	CiSt	10	0
Castlebay	1018·9	0	WNW	3	o	45	97	8	1500	St.	10	-	10	*	1020·1	+1	–	0	o–	46	85	6	2500	St	9	–	9	2
Nairn	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1020·8	*	–	0	c+	44	92	7	1500	St	8	–	8	*
Aberdeen	1019·3	0	SSE	1	o	45	85	4	7200	St.Cu	9	–	9	1	1021·1	+3	WSW	1	o	39	97	4	5700	StCu	10	–	10	0
Malin Head	1020·5	0	S	5	o	47	85	8	5700	St.Cu	9	–	9	*	1020·5	0	S	4	o	47	97	7	1500	StCu	9	–	9	5
Renfrew	1022·6	–1	SSW	4	o–	46	75	7	2500	St.Cu	10	–	10	1	1023·1	+1	SW	3	o	44	85	5	1500	StCu	10	–	10	*
Edinburgh (Inchkeith)	1021·9	0	SW	4	o	42	92	7	*	St.	10	–	10	*	1022·3	+1	SW	3	o	42	85	7	*	StCu	9	–	9	0
Leuchars	1020·9	+1	WSW	5	o	43	92	6	1500	St.	10	–	10	1	1022·0	+2	WSW	3	bc–	40	92	6	–	–	0	ASt	4	*
Eskdalemuir	1023·8	0	SW	6	od₀	40	92	6	800	St.	10	–	10	1	1024·6	+1	SW'S	3	o	39	92	6	1500	StCu	10	–	10	*
Tynemouth	1023·6	–1	W	1	o	46	85	6	800	St.	10	–	10	*	1024·5	+3	W	1	o	44	85	6	800	St	10	–	10	0
Blacksod Point	1021·5	0	SW	5	o	49	92	7	*	*	*	*	10	*	1020·9	–1	SSW	5	om+	48	97	4	*	*	*	*	10	5
Donaghadee	1023·6	0	SW	2	o	45	85	8	1500	St.	10	–	10	*	1023·3	0	W	2	q	44	92	8	800	St	10	–	10	2
Birr Castle	1024·8	*	SW	1	c–	46	85	7	4000	St.Cu	8	–	8	*	1024·2	*	S	1	o+	47	85	6	4000	Nb	9	–	9	*
Holyhead	1026·0	0	SW'W	2	od₀	43	92	6	800	St.	10	–	10	1	1026·1	+1	S'W	1	o	44	75	9	2500	StCu	10	–	10	0
Liverpool (Bidston)	1026·0	–1	SSW	1	o	44	85	8	2500	Nb	10	–	10	*	1026·3	0	W	1	o	42	97	6	800	CuNb	8	ASt	10	2
Chester (Shotwick)	1026·4	–0	SSW	2	o	46	75	8	1500	St	10	–	10	1	1026·4	0	SSW	1	o	45	85	5	2500	St	10	–	10	*
Spurn Head	1026·2	–1	NW'W	2	mo–	43	97	4	1500	St.	10	–	10	*	1026·5	+1	WSW	1	o	44	92	5	2500	St	10	–	10	1
Birmingham (Edgbaston)	1027·2	–1	SW	3	o+	45	75	6	4000	St.Cu	10	–	10	2	1027·4	0	WSW	2	o	42	85	6	2500	St	10	–	10	*
Nottingham	1026·3	–1	SW	2	o	47	85	6	1500	St.Cu	10	–	10	*	1026·9	+1	W	2	o	44	85	6	1500	St	10	–	10	*
Cranwell	1026·9	–0	WSW	1	o	45	97	5	1500	St.	10	–	10	1	1026·8	+1	WSW	1	of+	44	97	2	800	St	10	–	10	*
Gorleston	1026·4	0	W'N	1	ffo	44	97	2	1500	St.	10	–	10	*	1027·1	0	–	0	ffo	41	97	2	1500	St	10	–	10	0
Valencia (Cahirciveen)	1024·8	–1	S	3	o+	48	85	7	1500	St.Cu	10	–	10	1	1024·3	0	S	3	o	48	92	6	800	St	10	–	10	4
Roches Point	1025·5	0	SW	2	od₀	48	97	8	1500	Nb	10	–	10	*	1025·2	0	SW	1	o+	46	97	8	1500	StCu	9	–	9	0
Pembroke (St. Ann's H.)	1027·2	0	SW	3	imc	45	97	6	–	St	7	–	7	*	1027·4	0	SW	2	c/f	44	97	8	2500	StCu	8	–	8	3
Ross-on-Wye	1026·9	–1	SW	2	o	45	75	6	2500	St.	10	–	10	0	1027·0	0	–	0	o	43	85	5	2500	St	10	–	10	*
Leafield	1027·1	–1	W	3	o	47	75	6	4000	St.Cu	9	–	9	x	1027·6	+1	SW	1	o	43	85	6	5700	StCu	10	–	10	*
Andover	1026·8	0	SSW	1	bc–	50	75	6	1500	Cu	6	–	6	1	1027·3	+1	S	1	o	44	85	6	2500	St	10	–	10	*
S. Farnborough	1027·5	–1	W	1	o	47	97	6	1500	St.Cu	10	–	10	1	1028·0	+1	–	0	b	41	97	5	–	–	0	–	0	*
London (Kew Obsy.)	1027·6	–2	WSW	1	fo–	44	97	2	800	St.	10	–	10	1	1028·0	+1	–	0	of+	45	97	3	4000	St	10	–	10	*
Croydon	1027·8	–1	–	0	fo–	43	97	3	<150	St.	10	–	10	1	1027·8	+1	–	0	of+	43	97	3	220	St	10	–	10	*
Clacton-on-Sea	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1027·5	+1	–	0	ffo	42	97	3	800	St	10	–	10	0
Shoeburyness	1027·3	0	NNW	2	od₀	45	85	5	2500	St.Cu	10	–	10	*	1027·6	0	WSW	1	ffo	43	85	3	2500	St	10	–	10	*
Grain	1027·9	0	W	2	ffo	44	97	3	225	St.	10	–	10	2	1028·3	+1	–	0	oF+	42	97	1	<150	St	10	–	10	0
Lympne	1027·7	–1	NNW	2	ffo	43	97	2	<150	Nb	10	–	10	2	1027·2	0	–	0	ffo	43	97	2	<150	St	10	–	10	*
Scilly (St. Mary's)	1027·8	0	W'N	1	bc	47	92	8	4000	Cu	4	Ci.Cu	6	*	1027·9	0	–	0	c	45	92	8	4000	Cu	2	ACu	8	1
Falmouth (Pendennis)	1028·0	0	WSW	2	b+	48	85	8	5700	St.Cu	3	–	3	*	1028·1	0	–	0	o+	46	85	8	5700	StCu	9	–	9	0
Plymouth (Cattewater)	1028·0	–1	WSW	1	b–	47	85	6	1500	St.Cu	3	–	3	1	1028·0	0	–	0	o	44	97	7	2500	StCu	10	–	10	0
Portland Bill	1027·0	0	–	0	o	45	92	7	1500	St.	10	–	10	*	1027·0	0	NW	1	o	45	92	7	1500	St	10	–	10	0
Southampton (Calshot)	1027·7	–2	N	1	ffo	42	97	2	<150	St.	10	–	10	0	1027·6	+0	–	0	o	43	97	5	2500	StCu	10	–	10	0
Dungeness	1027·3	+1	N	2	ffo	44	97	3	800	St.	10	–	10	*	1027·8	0	–	0	ffo	44	97	3	800	St	10	–	10	2
Guernsey	1028·0	–2	NW	1	o	47	85	8	4000	St.Cu	10	–	10	*	1028·2	+1	–	0	c+	43	92	6	4000	StCu	5	ACu	8	0

LONDON OBSERVATIONS.

24 HOURS ENDED 0900 G.M.T. 31st

Station	Height above M.S.L. in feet	Weather. Morning	Afternoon	Night	Temperature. Max. °F.	Min. °F.	Min. on Grass °F.	Rainfall mm. Day	Night	Sunshine to Sunset, hrs. (Yesterday)	Humidity 15h. G.M.T. % (Yesterday)	9h. G.M.T. % (To-day)	Visibility 9h.
Kew } 24 hours ended 0700	18	of d of	of o m of	of w e m w	*	*	39	Tr	Tr	0·0	*	*	3
Croydon } 24 hours ended 0700	244	o f f e	of e m f	of o m	*	*	40	Tr	–	0·0	*	*	3
Greenwich (Royal Obsy.)	149	ogf	o m	o m	44	41	40	–	–	0·0	98	92	3
City (Bunhill Row)	80	*	*	*	*	*	*	*	*	0·0	*	*	*
Westminster (St. James' Pk.)	27	*	*	*	46	42	40	–	–	0·0	92	84	*
Regent's Pk. (Botanic Gdns).	168	*	*	*	*	*	*	*	*	0·0	*	*	*
Camden Square	110	f	f	*	45	42	40	–	–	*	*	84	*
Kensington Palace	80	of	of	*	45	43	39	–	–	*	(At 18h)	84	*
Hampstead Observatory	450	*	*	*	44	41	37	Tr	–	0·0	92	92	*

ATMOSPHERIC POLLUTION.
Milligrams of Solid Impurity per cubic metre.

24 Hr. ended 1600 G.M.T. 30th

South Kensington Max.	Time.	Min.	Time
–	–	–	–

Kew Observatory Max.	Time.	Min.	Time.
–	–	–	–

POLE STAR RECORD at Greenwich Obsy.

Exposure from 30th 17 h 15 m. to 31st 06 h 30 m.

Stars.	Exposure. h. m.	Record. h. m.	%
Polaris	12·45	Nil	Nil
δ Ursae Minoris	12·45	Nil	Nil

CODE FOR STATE OF GROUND.
0=Dry ground.
1=Wet ground.
2=Soft (muddy) wet ground.
3=Bare ground frozen (but less than 2 ins. deep).
4=Bare ground frozen (but more than 2 ins. deep).
5=Dew (or wet grass but not wet ground).
6=Skating to-day in 1300 and 1800 reports (Hoar frost in 0100 and 0700 reports).
7=Snow (thin layer, often not continuous).
8=Snow (deep, impeding traffic, usually a continuous layer).
9=Glazed roads (ice on roads from frozen rain or melted snow).

RADIO DISTURBANCES (Atmospherics) AT CROYDON.¹

Time.	Type.	No. per 4 sec.	Stren.	Direc.
13h.	–	–	–	–
18h.	–	–	–	–
0h.	–	–	–	–
7h.	–	–	–	–

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET FOR STATIONS IN THE UNITED KINGDOM.

31st. January – 1st. February 1924.

STATIONS.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	7·40	12·7	4·34
	7·38	12·7	4·36
Greenwich	7·43	12·14	4·45
	7·41	12·14	4·47
Wick	8·24	12·26	4·28
	8·21	12·26	4·31
Valencia	8·26	12·55	5·24
	8·25	12·55	5·25

BEAUFORT NOTATION OF WEATHER.

b blue sky (not more than a quarter covered with cloud).
bc sky partly cloudy (one half covered).
c generally cloudy (three-quarters covered).
d drizzle. e wet air. g gloomy.
f fog, visibility 200—1000 m.
F thick fog, „ less than 200 m.
m mist, „ 1000—10000 m.
h hail. i intermittent.
jp precipitation within sight of station.
KQ line squall. l lightning.
o overcast sky. p passing showers.
q squally. 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.
R = heavy rain. r_o = slight rain. rr = continuous rain.

SYMBOLS.

< = { less than (for cloud height). before (for precipitation).
⊕ = solar halo. ⨁ = lunar halo.
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.
– = "decreasing". + = "increasing."

The BEAUFORT SCALE of WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers, is the speed at about 30 feet above the ground.

SEA DISTURBANCE.
0=no swell, 1=mod. swell, 2=heavy swell } Calm or slight sea.
3=no swell, 4=mod. swell, 5=heavy swell } Moderate sea.
6=rather rough sea
7=rough sea.
8=very rough sea.
9=mountainous sea

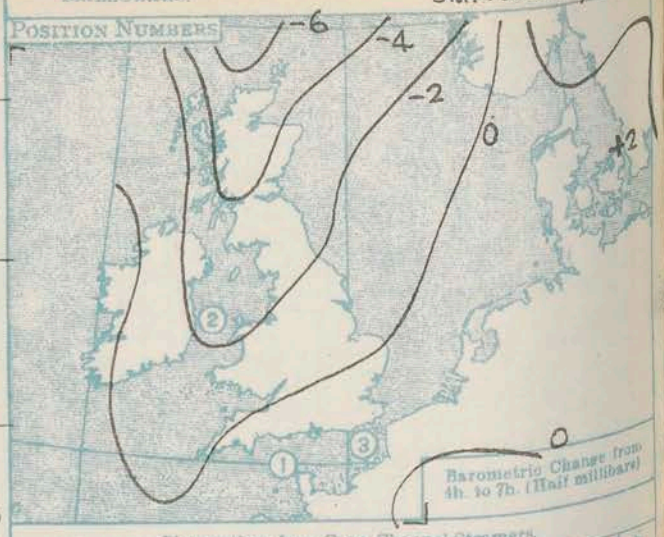
Beaufort No.	Statute miles per hour.
0	Less than 1
1	1- 3
2	4- 7
3	8-12
4	13-18
5	19-24
6	25-31
7	32-38
8	39-46
9	47-54
10	55-63
11	64-75
12	Above 75

¹ For explanation see Introduction. * Information for these columns not usually received. ‡ The barometric change is expressed in half millibars. § For code see page 3

SUMMARIES FOR THE PAST 24 HOURS.

STATIONS.	WEATHER. 7h.-13h. 30th	13h.-18h. 30th	18h. 30th to 1h. 31st	1h.-7h. 31st	TEMPERATURE. MAX. Day. 7h.-18h.	MIN. Night. 18h.-7h.	MIN. on GRASS.	RAINFALL.† Day. 7h.-18h. mm.	Night. 18h.-7h. mm.	Precipitation began.	Precipitation began	SUN 30th Hours.
Lerwick	bcq	bc	bc	opr	47	39	•	–	0·3	–	03·30	0·1
Stornoway	oo	c	b-bc	oo	46	39	•	–	–	–	–	0·2
Wick	c	coid	oo	oo	47	39	•	0·3	–	15.30	–	•
Castlebay	od₀o	odo	o	oYYo	46	43	•	0·3	1	–	–	0·0
Nairn	bccq	cdg	cdg	cg	47	43	•	0·2	0·3	16.30	2200	2·2
Aberdeen	becom	om	om	omo	54	39	34	–	–	–	–	0·1
Malin Head	bcco	com	coez	coe	47	44	•	–	0·5	–	0630	0·0
Renfrew	od₀	ocom	oo	oo	46	44	43	Trace	–	–	–	1·1
Edinburgh (Inchkeith)	oo	oo	oo	c	45	41	*	–	–	–	–	0·8
Leuchars	oo	ocbc	bcmbo	oo	45	37	30	–	–	–	–	0·2
Eskdalemuir	oido	od₀oo	oofe	ofeodm	42	38	38	Trace	0·6	<0800	2400	0·0
Tynemouth	om	om	bm	oo	48	39	36	–	–	–	–	•
Blacksod Point	c	f-m	f-m	f-m	50	42	•	?	?	–	–	•
Donaghadee	oo	oo	o	c	45	43	•	–	–	–	–	•
Birr Castle	co	co	co	co	49	44	40	–	–	–	–	0·1
Holyhead	oidom	oov	oo	oro	45	43	41	0·3	–1	<0800	0230	0·0
Liverpool (Bidston)	oo	oq	oo		45	41	39	–	–	–	–	0·0
Chester (Shotwick)	oo	oom	om	om	47	42	40	–	–	–	–	0·0
Spurn Head	ffo	omo	oo	oo	46	41	•	–	Trace	–	0330	0·0
Birmingham (Edgbaston)	oco	oo	oo	oo	47	40	39	–	–	–	–	1·0
Nottingham	om	oo	o	oo	47	42	40	–	–	–	–	0·0
Cranwell	cfdo	oo	ofom	omd₀	47	41	39	Trace	Trace	11.00	0530	0·0
Gorleston	ffo	odffo	ffo	FFeo	45	40	39	0·3	0·1	1430	–	0·0
Valencia (Cahirciveen)	cpo	oo	odoro	oomd	48	47	44	0·2	0·6	09.00	<2100	0·1
Roches Point	od₀	op₀co	op₀	op₀o	49	45	•	0·3	3	<0800	<2100	*
Pembroke (St. Ann's H.)	oife	cifr	c	b-bc	46	43	•	2	–	13.30	–	3·8
Ross-on-Wye	imocom	om	gom	oo	46	41	40	–	–	–	–	1·0
Leafield	co	oo	o	o	48	39	38	–	–	–	–	0·4
Andover	bfxomcm	bccom	omof	off	50	40	39	Trace	–	–	–	3·5
S. Farnborough	ofco	ocbcb	bm	om	48	37	29	–	Trace	–	–	0·0
London (Kew Obsy.)	ozdof	ofomof	ofromwo	omwomw	46	42	39	Trace	Trace	0900	–	0·0
Croydon	offe	ofemf	ofm	om	44	42	40	Trace	–	–	–	0·0
Clacton-on-Sea	ogm	ogm	ogf	ogf	45	41	41	–	–	–	–	0·0
Shoeburyness	offoidom	oid₀	off	off	46	41	41	0·1	Trace	<0800	–	0·0
Grain	ompfe	ofFe	FFe	FFe	45	41	41	0·1	Trace	–	–	0·0
Lympne	oFFdd	oF	of	of	44	42	41	0·5	Trace	11.00	–	0·0
Scilly (St. Mary's)	c	cbcc	odbc	bc	49	43	•	–	1	–	<2100	6·2
Falmouth (Pendennis)	bcF	bcco	co	cobc	50	41	•	–	–	–	–	5·1
Plymouth (Cattewater)	odmb	bo	oY	oYc	48	42	*	0·6	1	<0800	<2100	2·3
Portland Bill	oo	bo	oo	oo	46	44	•	–	–	–	–	•
Southampton (Calshot)	oFF	offm	om	om	43	42	41	–	–	–	–	0·0
Dungeness	f-m	off	ff	ffm	45	45	•	–	–	–	–	•
Guernsey	oo	cbcbbc	o	oo	48	43	•	–	–	–	–	•

ISALLOBARS. 31st. January, 1924.



Observations from Cross Channel Steamers.

Position.	Date and Time.	Steamship.	Wind. Direc.	Wind. Force.	Weather.	Temp. Air.	Temp. Sea.	Visibility.
2	30th 1000	Anglia	W's	4	o	43	46	8
3	31st 0200	Arundel	–	o	m	46	48	4

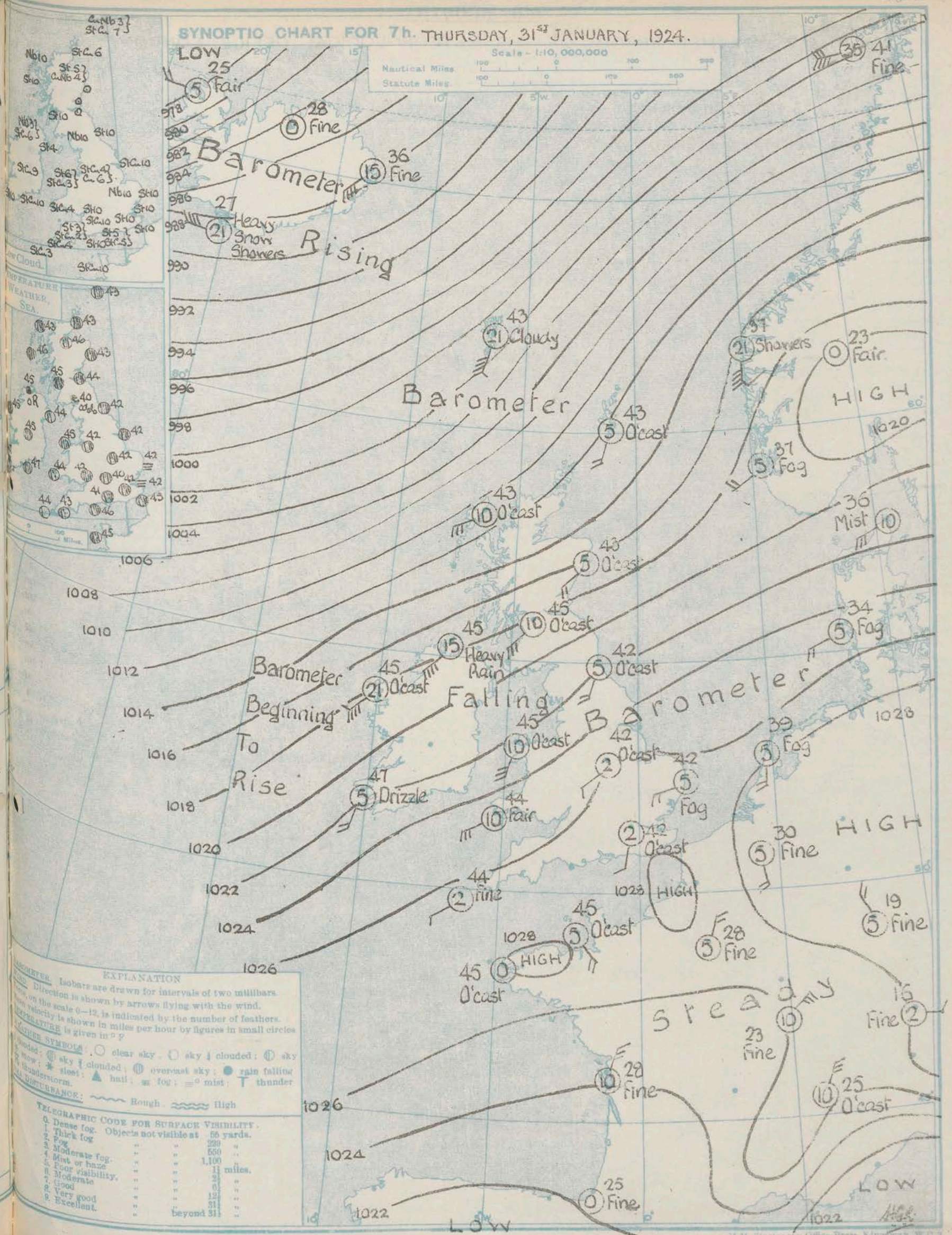
GENERAL INFERENCE.

A belt of high pressure extends from beyond the Azores to the south of Russia and depressio are still keeping well north of Britain. Winds will be south-westerly to westerly, fresh to strong at times in the North with occasional slight rain, but in the South fair, quiet, weather is probable with local fog.

Districts.	Forecasts for the 24 hours commencing 15h. G.M.T. Thursday, 31st January, 1924.	Further Outlook.
1. S.E. England 2. E. England 3. E. Midlands 4. W. Midlands	Wind mainly S.W., light or moderate; fair, local fog; moderate temperature.	Fair in the South, unsettled in the North.
5. S.W. England 6. South Wales	Wind S.W. to W., light to moderate; fair; visibility mainly good; moderate temperature.	
7. North Wales 8. N.W. England 9. N. Midlands 10. N.E. England 11. E. Scotland 12. S.W. Scotland 13. Isle of Man	Wind S.W., moderate to fresh; cloudy, occasional slight rain; visibility moderate or good; rather mild.	
14. N.&N.W. Scotland 15. Hebrides 16. Orkneys and Shetlands 17. N.W. Ireland	Wind S.W., fresh to strong at times; cloudy, occasional slight rain; visibility moderate to good; moderate temperature.	
18. N.E. Ireland	As 7 - 13.	
19. S.E. Ireland 20. S.W. Ireland	Wind S.W. to W., light or moderate; occasional drizzle locally; fair periods; visibility mainly good; rather mild.	

Meteorological Office: Air Ministry, Kingsway, London, W.C.2. Forecasts issued at 0911 G.M.T. G. C. SIMPSON, F.R.S., Director.

† For Code see opposite page



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

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. Thursday, 31st January 1924. No. 31

Observations at 0100 G.M.T. 31st

STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10
Lerwick	54	1018·4	0	WSW	2	bc+	43	97	6	-	-	0	a·St	6
Stornoway	51	1017·9	-3	W	1	b-	*	*	*	*	*	*	*	*
Wick	81	1017·9	-2	SW	2	0	40	97	8	1500	St	4	a·St	10
Castlebay	37	*	*	*	*	*	*	*	*	*	*	*	*	*
Nairn	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Aberdeen	46	*	*	*	*	*	*	*	*	*	*	*	*	*
Malin Head	71	1018·6	-2	S	5	0	46	97	7	1500	StCu	9	-	9
Renfrew	38	*	*	*	*	*	*	*	*	*	*	*	*	*
Edinburgh (Inchkeith)	190	1022·1	-1	WSW	2	0-	43	92	8	*	St	2	a·St	9
Leuchars	36	*	*	*	*	*	*	*	*	*	*	*	*	*
Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*
Tynemouth	118	1024·3	-1	W	2	b-	39	85	7	-	-	0	-	0
Blacksod Point	10	1018·7	-2	SSW	6	fo+	48	92	3	*	*	*	*	10
Donaghadee	35	*	*	*	*	*	*	*	*	*	*	*	*	*
Birr Castle	175	*	*	*	*	*	*	*	*	*	*	*	*	*
Holyhead	26	1024·9	-1	S'W	3	0	45	97	8	2500	StCu	10	-	10
Liverpool (Bidston)	189	*	*	*	*	*	*	*	*	*	*	*	*	*
Chester (Shotwick)	16	*	*	*	*	*	*	*	*	*	*	*	*	*
Spurn Head	20	1026·6	0	WSW	1	0	42	92	6	2500	St	10	-	10
Birmingham (Edgbaston)	525	*	*	*	*	*	*	*	*	*	*	*	*	*
Nottingham	82	*	*	*	*	*	*	*	*	*	*	*	*	*
Cranwell	237	1027·0	0	SW'S	1	ffo	41	97	3	1500	St	10	-	10
Gorleston	13	1027·8	0	-	0	ffo	43	97	2	1500	St	10	-	10
Valencia (Cahirciveen)	30	1023·0	-2	S	2	0+	48	92	8	-	St	10	-	10
Roches Point	32	*	*	*	*	*	*	*	*	*	*	*	*	*
Pembroke (St. Ann's H.)	149	1027·6	0	SSW	3	c	43	97	7	1300	St	8	-	8
Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*
Leafield	556	*	*	*	*	*	*	*	*	*	*	*	*	*
Andover	297	*	*	*	*	*	*	*	*	*	*	*	*	*
S. Farnborough	230	*	*	*	*	*	*	*	*	*	*	*	*	*
London (Kew Obsy.)	18	*	*	*	*	*	43	*	*	*	*	*	*	*
Croydon	244	1027·9	0	S'W	2	0	42	97	4	450	St	10	-	10
Clacton-on-Sea	54	*	*	*	*	*	*	*	*	*	*	*	*	*
Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*
Grain	20	*	*	*	*	*	*	*	*	*	*	*	*	*
Lympne	350	1027·7	0	SSE	1	FFo	44	97	1	4150	St	10	-	10
Scilly (St. Mary's)	131	1027·9	0	W'S	2	bc	45	92	8	4000	CuNb	4	-	4
Falmouth (Pendennis)	200	1027·9	0	-	0	c-	44	92	7	4000	StCu	8	-	8
Plymouth (Cattewater)	52	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland Bill	19	1028·2	0	SW	1	0	46	85	7	1500	St	10	-	10
Southampton (Calshot)	12	1028·1	0	ESE	2	mo+	43	97	4	450	St	10	-	10
Dungeness	21	1028·3	0	-	0	ffo	44	97	3	450	St	10	-	10
Guernsey														

Observations at 0700 G.M.T. 31st

STATIONS.	Barom. at M.S.L. mb.	Change in 3 Hours.‡	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Cloud. Height Feet	Cloud. Low. Form	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sun. 0-9
Lerwick	1012·8	-5	SSW	2	ojp	43	92	6	4000	StCu	10	-	10	1
Stornoway	1010·8	-5	SW	3	0	43	92	6	800	Nb	10	-	10	2
Wick	1012·2	-5	SSW	2	0	43	97	8	5700	StCu	6	a·St	10	0
Castlebay	1013·4	-1	WSW	4	o/r	46	97	8	2500	St	10	-	10	3
Nairn	1013·7	*	W	1	c	46	85	8	1500	St	7	-	7	*
Aberdeen	1016·6	-2	SW	2	0	43	85	6	-	-	0	a·St	9	0
Malin Head	1016·0	-2	SW'W	4	oR	45	97	7	4000	StCu	9	-	9	4
Renfrew	1018·4	-4	SW	3	0	45	85	8	4000	St	10	-	10	*
Edinburgh (Inchkeith)	1018·3	-3	SW	3	o+	44	85	8	*	-	-	a·St	10	0
Leuchars	1017·6	-3	SW	3	0	43	85	7	-	-	0	a·St	10	*
Eskdalemuir	1020·4	-3	S'W	5	odd	40	97	5	800	Nb	10	-	10	*
Tynemouth	1021·9	-3	SSW	2	0	42	85	6	2500	St	10	-	10	*
Blacksod Point	1018·1	+1	SW	5	0	45	92	6	*	*	*	*	10	5
Donaghadee	1019·9	-3	W	3	bc-	44	92	8	450	St	4	-	4	3
Birr Castle	1021·1	*	S	1	0	45	97	4	2500	StCu	9	-	9	*
Holyhead	1023·2	-2	SSW	3	0	45	92	7	1500	St	9	-	10	3
Liverpool (Bidston)	1023·9	-1	S	2	0	42	92	6	2500	Cu	10	-	10	*
Chester (Shotwick)	1024·5	-1	S	2	mot	42	85	4	2500	St	10	-		
Spurn Head	1025·2	-1	SW	4	o-	42	92	7	4000	StCu	10	-	10	2
Birmingham (Edgbaston)	1026·1	-1	SSW	2	0	41	92	5	1500	St	10	-	10	*
Nottingham	1026·6	-1	SW	1	0	42	92	5	1500	Nb	10	-	10	*
Cranwell	1026·2	-1	SW	2	od	41	97	6	800	St	10	-	10	0
Gorleston	1026·9	0	WSW	2	fo-	42	97	2	1500	St	10	-		
Valencia (Cahirciveen)	1022·2	0	SSW	2	odd	47	92	6	4150	St	10	-	10	4
Roches Point	1022·9	+1	W	1	0	47	97	8	2500	StCu	10	-	10	0
Pembroke (St. Ann's H.)	1025·2	-1	SW	3	bc+	44	92	8	1500	StCu	4	-	4	3
Ross-on-Wye	1025·8	-1	SSW	1	0	42	92	6	2500	St	10	-	10	*
Leafield	1026·9	0	SW	1	0	40	92	6	5700	StCu	10	-		
Andover	1026·8	0	-	0	ffo	41	97	3	800	St	10	-	10	*
S. Farnborough	1027·5	0	SW	1	0	41	97	4	1500	StCu	10	-	10	*
London (Kew Obsy.)	1027·3	0	S'W	1	0	42	97	4	2500	St	10	-	10	*
Croydon	1027·2	+1	SSW	2	0	42	97	4	450	St	10	-		
Clacton-on-Sea	1027·1	0	SSW	1	ffo	42	97	1	4150	St	10	-	10	0
Shoeburyness	1027·8	0	-	0	ffo	42	97	1	800	St	10	-	10	*
Grain	1028·0	0	S	2	ffo	42	97	1	4150	St	10	-	10	0
Lympne	1027·7	0	S	3	ffo	43	97	1	4150	St	10	-		
Scilly (St. Mary's)	1026·8	-1	SW'W	1	b+	44	97	8	4000	StCu	3	-	3	2
Falmouth (Pendennis)	1026·7	0	-	0	bc	43	92	8	5700	StCu	4	-	4	0
Plymouth (Cattewater)	1026·7	0	-	0	bc-	42	85	6	450	St	5	-	5	0
Portland Bill	1026·7	0	-	0	0	46	92	7	1500	St	10	-	10	6
Southampton (Calshot)	1027·6	0	E'N	1	mo-	43	97	5	1500	St	10	-	10	0
Dungeness	1028·0	0	SE	3	mo-	45	97	5	800	St	10	-	10	4
Guernsey	1027·3	0	SE	2	0	45	85	8	4000	StCu	10	-	10	0

WEATHER, TEMPERATURE, RAINFALL AND SUNSHINE AT HEALTH RESORTS FOR 30th January

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 29th-30th °F	Temperature. Max. Day. 30th °F.	Rainfall.† Night 17h.-9h. 29th-30th mm.	Rainfall.† Day 9h.-17h. 30th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 30th hr.
Douglas	coid	coid	42	43	-	-		0·0
Montrose	ocbc	c3	41	48	-	-		0·9
Berwick-on-Tweed	ocgbc	bcgog	40	48	-	-		0·6
Llandudno	cbbc	c	42	48	-	-		1·7
Colwyn Bay	c	c	42	49	-	-		1·3
Rhyl	c	c	43	47	-	-		0·0
Southport	o	o	43	45	0·2	-		0·0
Blackpool	o	eo	43	45	0·4	0·1		0·0
Ilkley	omgo	o	43	45	-	-		0·0
Harrogate	o	o	40	43	-	-		0·0
Skegness	om	om	40	46	-	-		0·0
Aberystwyth	ooc	b	43	46	-	-		1·0
Bath	fo	o	33	46	Trace	-		0·0
Leamington Spa	ocb	cbom	39	48	-	-		1·8
Lowestoft	ofid	ofid	41	45	0·3	-		0·0
Felixstowe	off	off	39	45	0·3	0·2		0·0
Southend	odfc	odofc	40	45	0·2	0·2		0·0

STATIONS.	Weather. Fore-noon.	Weather. After-noon.	Temperature. Min. Night. 29th-30th °F	Temperature. Max. Day. 30th °F.	Rainfall.† Night 17h.-9h. 29th-30th mm.	Rainfall.† Day 9h.-17h. 30th mm.	Sunshine.	Sunshine. Sunrise to Sunset. 30th hr.
Ilfracombe	oco	ocod	43	46	1	0·3		0·2
Bude	r	rrocc	44	48	1	+		0·5
Torquay	c	c	38	45	-	-		0·1
Weymouth	o	o	41	49	0·2	-		0·0
Bournemouth	o	o	42	47	0·3	-		0·0
Portsmouth (S'thsea)	oFF	FF	41	42	Trace	-		0·9
Littlehampton	f	bcm	32	45	-	-		0·6
Worthing	o	obcc	35	47	-	-		0·0
Brighton	o	o	35	46	-	-		0·0
Eastbourne	fo	of	38	45	-	-		0·0
Hastings	ofm	ommf	40	45	0·2	-		0·0
Folkestone	fe	fe	40	48	1	0·3		0·0
Dover	fm	mf	42	46	Trace	-		0·0
Tunbridge Wells	ofo	oof	37	44	-	-		0·0
Ramsgate	of	of	41	49	-	-		0·0
Margate	ofe	ofe	40	44	-	-		0·0
Deal	od	od	41	45	1	Trace		

TERMS OF SUBSCRIPTION.—5/6 per quarter or 25/- per year, post free. Single copies may be obtained at the Meteorological Office, price 1d.

* Information for these columns not usually received. † Trace = rain has fallen, but amount less than 0·1 mm. § For code see page 3. ‡ See footnote page 1

AIR MINISTRY.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE, LONDON:

BRITISH SECTION. CORRECTIONS AND ADDITIONS, January, 1924.

I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
1st	Croydon 1300	Wind SSW
	"	Radio disturbance 0700 C 6 → 125°
	Stornoway 0100	Bar 1018.7 mb
	Liverpool 0700	Weather or
	Renfrew	Min 41° Rain night 0.1 mm
	Birmingham	Past Weather 13-18hr odo₀o₀
	Croydon	" " 1-7- omrddo
2nd	Plymouth	Max 50°
	Birmingham 1300	Weather o/d.
	Castlebay 1800	Sea 3
	Cranwell 0100	Bar 1020.5 mb Wind W'N 3 Cloud St 10
	Andover 0700	Temp 44°
	Calshot 0700	Weather o Cloud St10-10
	Donaghadee	Min 46°
	Holyhead	Past Weather 7-13hr aidₒm.
	Kew	Min 45°
3rd	Andover 1300	Vis: 7
	Castlebay 1800	Temp 44°
	Leafield 1800	Cloud St 10 -10
	Felixstowe	Min 40°
	Southsea	" 38°
	Holyhead	Past Weather 7-13hr orₒmo
	Liverpool	Max 47°
4th	Edinburgh 1300	Cloud nil Weather fbt
	Chester 1300	Bar change -1
	Birmingham 1300	Temp 43°
	Kensington Palace	Min 29° grass Min 21°
	Hampstead	Min 28°
	Greenwich	Sun 1.2 hours
	Nottingham 1800	Vis 5
	Leafield 1800	Weather b Cloud aSt 2
	Edinburgh 0100	Wind - o.
	Portland Bill 0700	Temp 45°
	Castlebay	Sun 2.3 hrs
	Chester	Grass Min 31°
	Birmingham	Max 44°
	Shoeburyness	Grass Min 25°
5th	Edinburgh 1300	Weather mmb Cloud nil
	Holyhead 1300	Bar 1021.9 mb
	Birmingham 1300	Cloud Ci 1
	Pembroke 1800	Bar 1022.4 mb
	Lerwick 0100	" 1014.4 "
6th	Bude	Night rain 8 mm
	Chester 1300	Bar 1022.3 mb
	Westminster	38.31.26. - - 0.3 78% 91%
	Camden Sqre	‡f.f. ‡ 37.30.26 - - ‡ ‡ 94%
	City	Sun 0.0 hours
	Hampstead	- 0.3 -
	Aberdeen 1800	Cloud StCu10
	Chester 1800	Weather o Cloud St10-10
	Holyhead 0100	Hum 85%
	Holyhead 0700	Wind force 6
	Spurn Hd 0700	Cloud St 10 - 10.
	Roches Pt 0700	Bar 1009.0 mb
	Grain 0700	Vis 5
	Shoeburyness 0700	Hum 65%
	Tynemouth	Grass Min 35°
	Plymouth	Summary o.b.b. 45.39.36. - - - - 1.4 hrs
7th	Holyhead 1300	Bar change -6
	Spurn Hd 1300	Temp 33° Cloud aCu 5
	Malin 1800	Cloud St5 -5
	Lympne 1800	Wind S'E 3
	Malin 0700	Hum 75%
	Leuchars 0700	Bar change -2
	Andover	Past Weather 18-1hr b.bmx
8th	Stornoway 1300	Bar 1001.4 mb
	Shoeburyness 1300	- 1009.7 -
	Lympne 1300	Wind force 3
	Croydon	0900 Vis 5
	Liverpool 0700	Weather od.
	Birmingham 0700	Weather orF
	Chester	Past Weather 1-7hr oogdom
	-	Max 40°
	Roches Pt	Min 37°
	Leafield	- 33°
9th	Roches Pt 1300	Hum 92%
	Lympne 1800	Wind E 5.
	- 0100	- E. 6.
	Portland Bill 0100	Bar 979.9 mb.
	Leuchars 0700	- 993.1 - Bar change -2 Wind ESE
	Spurn Hd 0700	Hum 92%
	Sheerness	Sun 0.0 hrs
	Brighton	Rain 0.2 mm 0.5 mm
	Aberdeen	Past Weather 13-18hr oqxpo
9th	Ruches Pt	Max 49°
	Ross-on-Wye	Grass Min 25°
	Andover	Max 43°
	Kew	Min 28° Night rain 2 mm
	Croydon	Grass Min 26°
10th	Ross-on-Wye 1300	Bar 992.9 mb.
	Kensington Palace	Delete Min
	Hampstead	Min 25°
	Holyhead 1800	Bar 995.0 mb
	Liverpool 1800	- 996.5 -
	Spurn Hd 1800	Wind force 4
	Dungeness 1800	- - 5 Cloud 4000'
	Wick 0100	Bar 995.9 mb
	Eskdalemuir 0700	- 989.9 mb.
	Birr Castle 0700	Temp 36°
	Leafield 0700	Bar 997.7 mb.
	Southport	Max 31°
	Southend	" 35°
	Leuchars	Past Weather 18-1hr osₒx. Grass Min 7°F
	Leafield	Past Weather 18-1hr c.osₒ
	Andover	Day rain Trace
	Kew	Max 31°
	Croydon	Past Weather 18-1hr om
	Portland Bill	Max 34°
	Calshot	" 32°
11th	Stornoway 1300	Hum 75%
	Castlebay 1300	Wind force 5
	Shoeburyness 1300	Bar 994.7 mb
	Wick 1800	Wind ESE 4.
	Castlebay 1800	Vis 7
	Andover 1800	Bar 992.3 mb.
	Tynemouth 0100	- 993.6 -
	Birr Castle	Max 40°
12th	Chester 1300	Hum 75% Vis 8
	Spurn Hd 1300	Bar 1000.6 mb.
	Kensington Palace	Delete Min
	Lerwick 1800	Bar 999.1 mb
	Castlebay 1800	- 990.5 -
	Renfrew 1800	Bar change 0
	Cranwell 1800	Cloud StCu2
	Roches Pt 1800	Wind SW 5
	Spurn Hd 0700	" SW 5
	- - 0100	- S 7
	Cranwell 0100	Vis 6.
	Gorleston 0100	Bar 1009.1 mb
	Leuchars 0700	- 990.4 -
	Portsmouth	Night rain 4 mm
	Leuchars	Grass Min 8°
	Eskdalemuir	Weather 18-1hr osrr omor
	Holyhead	- 7-13 o.c.bc
	Spurn Hd	Rain day nil
	Birmingham	Sun 5.3 hrs
	Kew	Grass Min 35°
	Portland Bill	Max 47°
	Plymouth	Weather 7-13hr crhoo.
13th	Donaghadee 1300	Wind WSW
	Lympne 1300	- S'W.
	Dungeness 1300	Weather b Cloud Ci 3
	Westminster	52.46.41. - - 0.0 75% 70%
	Camden Sqre	oro o ‡ 51.42.38 - - ‡ ‡ 74%
	Eskdalemuir 1800	Bar 1004.5 mb.
	Donaghadee 1800	Hum 75%
	Andover 1800	- 97%
	Dungeness 1800	Wind SSW 6.
	Pembroke 0100	- SE 8
	Leuchars	Weather 7-13hr bq.bq
	Kew	Night rain Trace
	Clacton	Max 44°
	Portland Bill	Day rain 11 mm
	Plymouth	Summary orq orq 51 46 45 6. 2. 20800 2400 0.0
	Castlebay	Min 41°
	Stornoway	Day rain 13 mm
14th	Pembroke 1300	Wind S.8
	Andover 1300	Bar change -2
	Kew 1300	Bar 1004.1 mb
	Falmouth 1300	" 996.1 -
	Kensington Palace	Grass Min 42° Rain nil.
	Holyhead 1800	Weather orr
	Andover 1800	Bar 1001.2 mb -1
	Calshot 1800	Cloud. 2000'
	Renfrew	Sun 0.0 hrs
	Kew	Weather 7-13hr czqdcz Rain (day) Trace
15th	Shoeburyness 1800	Wind SW. 2.
	Stornoway 0700	Bar 995.6 mb
	Malin 0700	- 997.0 -
15th	Gorleston 0700	Temp 38°
	Andover 0700	Wind SE'E 3
	Southport	Max 41°
	Bude	" 51°
	Brighton	Sun 0.0 hrs
	Aberdeen	Max 38°
	Tynemouth	" 39°
	Spurn Hd	- 41°
	S. Barnboro'	Min 40° Rain (day) 0.5
	Plymouth	Grass Min 43°
16th	Eskdalemuir 1300	Bar 999.0 mb
	Nottingham 1300	Wind SE
	Cranwell 1300	Weather c Cloud Ci 8
	Pembroke 1300	Wind E.SE. 6.
	Grain 1300	Temp 49°
	Wick 1800	Bar 999.7 mb.
	Portland Bill 1800	Temp 47°
	Westminster	51. 37. 34. - - 1.8 67% 85%
	Leuchars 0700	Wind E.S.E.
	S. Barnboro'	Min 34°
	Falmouth	Grass Min 44°
	Calshot	Max 47°
17th	Stornoway 1300	Hum 85%
	Renfrew 1300	Cloud StCu 6 CiCu 10
	Spurn Hd 1300	- aCu 5.
	Renfrew 0700	Bar change +3
	Nottingham 0700	Bar 1007.6 mb.
	Cranwell 0700	Hum 75%
	Deal	mb. b. 38. 42 - - 5.7 hrs
	Chester	Max 36° Grass Min 32° Sun 0.0 hrs
18th	Kensington Palace	Delete Min
	Lympne 1800	Wind E.NE 2. Cloud Nb 10.
	Stornoway 0700	- SE.
	Birmingham 0700	Vis: 1
	Andover 0700	Wind SSW. 3.
	Castlebay	Min 37°
	Grain	Max 35°
	Plymouth	Weather 18-1hr or.
19th	Tynemouth 1800	Bar 996.9 mb.
	Spurn Head 1800	Hum 92%
	Pembroke 1800	Bar 999.2 mb
	" 0100	" 999.0 "
	Donaghadee 0700	Cloud St4 Weather bc
	Aberdeen	Weather 18-1hr oirmb 1-7hr bm
20th	Malin Hd 1300	Bar 981.3 mb
	City	Sun 3.1 hrs
	Westminster	- 3.5 -
	Hampstead	- 3.9 -
	Donaghadee 1800	Bar 988.7 mb
	Portland Bill 1800	" 1002.1 -
	Cranwell 0700	Bar 1004.4 mb.
	Roches Pt 0700	Cloud CiCu8.
	Southport	Night rain 6 mm
	Aberystwyth	Max 47°
	Chester	Weather 18-1hr oₒc.bc Time of rain 20800
	Plymouth	Summary opqbc cbpc 50 47 44 Trace 1 20800 0130 3.2 hrs
	Shoeburyness	Weather 18-1hr c.oirₒc
	Grain	- - " bc.
21st	Birmingham 1800	Vis. 6
	Lympne 1800	Weather b Cloud St1 aSt 3
	Edinburgh 0100	Cloud Ci 3
	Holyhead 0700	Wind SE'E. 3
	Spurn Hd 0700	Bar 1016.7 mb
	Nottingham 0700	Weather o/r.
	Kew 0700	Wind - o
	Croydon	Weather 1-7hr omrₒr₀
	Plymouth	- - - or.
22nd	Kensington Palace	Delete Min
	Donaghadee 1800	Bar 1007.6 mb.
	Tynemouth 0100	Wind SSE 1.
	Holyhead 0100	Bar 1006.4 mb
	Shoeburyness 0700	Wind SE. 4
	Grain 0700	Bar 1014.6 mb
	Dungeness 0700	Wind S.3.
	Malin	Sun 0.2 hrs
	Holyhead	Weather 13-18hr irₒrₒm
	Calshot →	" 18-1hr iR
		Max 47°
23rd	Holyhead 1300	Weather odd
	Castlebay 1800	Wind NNE 2
	Holyhead 0700	Weather ffb Cloud 5700 St 2 -2
	Chester 0700	Hum: 92%
	Ross-on-Wye 0700	Bar 1017.8 mb

‡ The barometric change is expressed in half millibars.

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I.—CORRECTIONS.

Report for	STATION.	CORRECTION.
23rd	S. Jarnboro' 0700	Bar 1016.7 mb.
	Clacton 0700	Wind NE.
	Hastings	od oo. 45-47 3. 0.3 0.0
24th	Leafield 1300	Cloud 2500 St 10 -10
	Falmouth 1800	Weather fbt Cloud nil
	Plymouth 1800	Temp 42°
	Liverpool 1800	Hum: 97%
	Holyhead 0100	Bar 1015.9 mb
	Spurn Hd	Min 37°
	Ross-on-Wye	Weather 1-7hr opo
	Kew	" 18-1hr ofm 1-7hr cm
	Croydon	" 1-7 " om
25th	Falmouth	Night rain nil.
	Lerwick 1800	Cloud 7200'
	Stornoway 1800	Bar 1005.3 mb.
	Chester 1800	" 1016.2 " +2
	Nairn 0700	" 1016.2 "
	Gorleston 0700	Temp 40°
	Douglas	Night rain 9mm
	Aberdeen	Sun 0.6 hours
	Eskdalemuir	Night rain 0.1 Time L2000
	Portland Bill	" 0.1 mm
26th	Birmingham 1300	Wind W3
	Gorleston 1300	Bar 1029.5 mb.
	Lerwick 1800	Wind WSW 6
	Birmingham 1800	Hum 78%
	Andover 1800	Bar 1035.1 mb
	Plymouth 1800	Cloud L150
26th	Wick 0700	Wind SW 5
	S. Jarnboro' 0700	" WSW 1
	Tynemouth	Min 43°
27th	Holyhead 1300	State of ground 1
	Gorleston 1300	Bar 1034.7 mb
	Renfrew 1800	" 1018.0 "
	Lympne 1800	Vis 5 Cloud St 8 Ci 9
	Westminster	45.39 33. - - 0.2 84% 81%
	Camden Square	fco o 44 39 35 - - ·x·x 81%
	Kensington Palace	Delete Min.
	City	Sun 0.0 hrs
	Hampstead	" 0.1 "
	Birmingham 0700	Bar 1032.4 mb.
	S. Jarnboro' 0700	Cloud Ci 3
27th	Castlebay	Max 49°
	Plymouth	Summary b.bc. bc. 51. 42. x - - - 5.6 hours
	Holyhead	Weather ov. om.
28th	Regents Park	Sun 6.5 hours
	Nairn 1800	Temp 75%
	Holyhead 1800	Cloud a Cu 6
	Ross-on-Wye 1800	Bar 1036.4 mb
	Nairn 0700	Cloud height 1500'
	Aberdeen 0700	Bar 1029.7 mb.
	Birr Castle	Sun 5.3 hrs
	S. Jarnboro'	" 7.7 "
29th	Leafield 1300	Temp 45°
	Edinburgh 0100	" 43°
	Lympne 0100	Hum: 94%
	Nairn 0700	Cloud St Cu 7.
	Renfrew	Min 42°
	Leafield	Max 45°
	Holyhead	Weather 13-18hr oo V.
30th	Stornoway 1300	Temp 50°
	Nottingham 1300	Vis 5
	Lympne 1300	Wind W.3.
	Birmingham 1800	" N.3.
	Kew 0100	Temp 37°
	Stornoway 0700	Wind SSW.
	Spurn Hd 0700	Cloud height L150
	Clacton 0700	Wind WNW 1
	Southport	T.o.c. o.c. 40-45. 1 - o.c.bc
	Eskdalemuir	Day rain 0.1 mm. L0800
	Chester	Time of rain 1000
	Portland Bill	Max 46°
	Falmouth	Day rain nil
31st	Castlebay 1300	Weather o.
	Nottingham 1300	Bar 1026.3 mb.
	Liverpool 1800	" 1026.5 "
	Nottingham 0700	Wind SW.2.
	Aberdeen	Max 45°
	Spurn Hd	Sun: 0.4 hours.
	Holyhead	Night rain 1mm 0330
	Leuchars	Weather 13-18hr o.c.bcm

II.—ADDITIONS.

Report for	STATION.	Barom. at M.S.L. m.b.	Change in 3 Hours.†	Wind. Direc.	Wind. Force 0-12	Weather.	Temp. °F.	Humidity. %	Visibility.§ 0-9	Height of Low Cloud. Feet	Cloud. Low. Form.	Cloud. Low. Amt. 0-10	Cloud. Upper Form.	Cloud. Total Amt. 0-10	Sea. 0-9	Summaries for the Past 24 Hours. Weather. 7h.-13h.	Weather. 13h.-18h	Weather. 18h-1h.	Weather. 1h.-7h.	Temperature. Max. Day. 7h.-18h.	Temperature. Min. Night. 18h.-7h.	Temperature. Min. on Grass.	Rainfall.† Day. 7h.-18h.	Rainfall.† Night. 18h.-7h.	Rainfall.† Precipitation began.	Sun Hours
4th	Lerwick 1300	1011.7	-	NW	1	b	41	85	8	-	-	0	-	0	·x·	b										
5th	Falmouth 1300	1021.9	-	ESE	4	o	41	85	8	5700	St Cu	9	-	9	·x·	mdc.o										
	Blacksod Pt 0700	1014.6	0	SE	6	opc	48	97	3	·x·	·x·	·x·	·x·	10	5					00	50	44		0.5	-	1.6
	Plymouth 0700	1024.1	0	SSE	3	bf	43	85	8	-	-	0	-	0	0			b	b		48	38	33	-	-	
9th	Blacksod Pt 0100	938.4	+2	ESE	8	opc	39	85	3	·x·	·x·	·x·	·x·	10	·x·			00								
	" " 0700	992.3	+4	E	6	o	34	65	7	·x·	·x·	·x·	·x·	9	7					c	46	35		0.1	-	
14th	Castlebay 1300	989.2	-3	SE	2	o	42	85	7	1500	St	10	-	10	·x·	o										
	" 1800	987.9	-1	SE	3	opc	41	85	7	1500	St	10	-	10	3								Trace		-	
	Blacksod Pt 1300	992.0	0	-	0	opc	42	85	7	·x·	·x·	·x·	·x·	10	·x·	oo	op									
	" " 1800	993.0	+2	-	0	bc	38	85	7	·x·	·x·	·x·	·x·	4	4								3		-	
	" " 0100	995.0	0	W'S	2	opc	40	85	7	·x·	·x·	·x·	·x·	8	·x·		p		c							
	Cranwell 0100	1000.3	+2	SSW	3	obc	46	97	6	1500	Nb	10	-	10	·x·				oocdr							
	Castlebay 0700	995.0	+3	SSW	4	b	44	85	8	2500	Cu	2	-	2	4				opc	c.b	43	41	·x·	0.5	-	0.0
15th	Blacksod Pt 0700	992.0	-4	SE'S	6	opc	41	85	7	·x·	·x·	·x·	·x·	9	4				c.	p	43	35	·x·	0.6	-	·x·
	Roches Pt 1300	992.6	-	SSE	5	oc	47	85	7	1500	Nb	10	-	10	·x·											
23rd	Castlebay 1300	1004.8	+2	-	0	o	47	97	7	2500	St	9	-	9	·x·	o.c.o										
24th	Wick 1300	1014.0	-	S	3	c	44	97	6	225	St	5	a Cu	10	·x·	oifc.										

UPPER AIR SUPPLEMENT, CORRECTIONS AND ADDITIONS, January, 1924

I.—CORRECTIONS.

DIRECTION AND MEAN VELOCITY OF SURFACE AND UPPER WINDS.

Date and Time.	Station.	Dir. °	Speed m.p.h.
2nd 0700	Shotwick 2000'	265	16
3rd 0700	" 4000'	315	34
3rd 1200	Renfrew 4000'	290	16
4th 0600	Calshot 3000'	115	26
	4000'	105	19
	5000'	140	15
	6000'	50	9
	8000'	66	14
4th 1100	Andover 2000'	165	3
	8000'	5	13
5th 0600	Calshot 1000'	75	9
5th 0001	" 1000'	150	13
5th 1200	Cranwell 4000'	delete	
5th 1700	Croydon Surface	185	4
	1000'	165	5
5th 1700	Calshot 4000'	205	10
6th 1300	Andover Surface	160	15
7th 2300	Calshot	delete	
7th 0600	Shotwick, Surface	125	15
7th 1500	Cranwell 6000'	155	15
9th 1700	Shotwick 1000'	125	2
9th 2400	Cranwell Surface	-	0
	1000'	120	15
	2000'	125	17
10th 1200	Croydon 1000'	265	14
10th 1600	Cranwell 5000'	220	19
11th 0400	"	Delete	
11th 1200	Leuchars 8000'	185	16
12th 1200	Shotwick 1000'	195	14
15th 1200	Leuchars 3000'	195	35
15th 1200	Shotwick 1000'	160	26
15th 1100	Cranwell 3000'	165	42
15th 1600	Leuchars 3000'	170	33
16th 1000	Croydon 8000'	150	23
16th 1700	" Surface	80	5
16th 1700	Shotwick 2000'	125	30
17th 1700	" 1000'	145	21
18th 1600	Cranwell 3000'	250	34
18th 2300	" 2000'	250	39
22nd 0800	Andover Surface	125	8
22nd 1200	Calshot 3000'	175	19
23rd 1200	Shotwick 12,000'	215	22
25th 1200	" 1,000'	230	15
25th 1700	" Surface	240	12
25th 1700	Calshot 8000'	10	13
26th 0600	Cranwell 5000'	250	24
26th 1100	" 5000'	270	33
26th 1600	Calshot 4000'	290	15
27th 0800	Croydon 4000'	325	38
27th 1400	Calshot 2000'	350	19
27th 1600	" 2000'	330	13
28th 1200	Leuchars 1000'	275	13
	6000'	290	6
29th 0700	Calshot 5000'	10	24
29th 1200	Leuchars 8000'	235	25

UPPER AIR TEMPERATURES.

Date and Time.	Station.	Observation
4th 1200	Andover	250' Dry 37° Wet 37° Hum 100%
14th 0930	Leuchars	1350' - 36.3 - 33.5°
		7550' - 21.0 - 20.3°
15th 1100	S. Jarnborough	13490' Dry 9°
15th 1130	" "	5510mb 14610'

II.—ADDITIONS (a) UPPER WINDS.

Place.	Cranwell	Cranwell	Shotwick									
Date and Time.	6th 2300	10th 2400	7th 0700									
Feet.	Dir. °	Speed m.p.h.	Dir. °	Speed m.p.h.	Dir. °	Speed m.p.h.	Dir. °	Speed m.p.h.	Dir. °	Speed m.p.h.	Dir. °	Speed m.p.h.
Surface.	170	13	-	0	120	20						
1000	175	36	75	3	120	19						
2000	180	32	255	3								
3000	175	32										
4000												
5000												
6000												
8000												
10000												
12000												