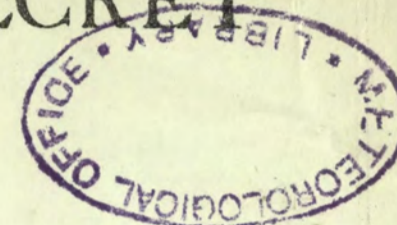


SECRET



THE DAILY WEATHER REPORT

BRITISH SECTION

1st July to 30th September

1942



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

INTRODUCTION

The Daily Weather Report has been issued in three sections since April 1st, 1919, the British and International Sections consisting of four pages and the Upper Air Section of two pages. On 1st January, 1942, all three sections were modified. The International Section was reduced to two pages of charts supplemented at eight-day intervals by a four page tabular statement of foreign observations. The Upper Air Section was increased to four pages giving two pages of charts and diagrams and two pages of observations in tabular form. The British Section of which this forms the Introduction was modified by increasing the scale of the chart on page 2 so that it occupies the whole page, and in consequence the weather forecasts have been transferred to the front page and the table of auxiliary reports to the back page. The various codes which were formerly given on pages 1 and 4 are now incorporated in this Introduction. The increased scale of the chart on page 2 makes it possible to show the observations from a selection of stations in full, the data being set out in accordance with the "station model" adopted by the International Meteorological Conference at Warsaw in September, 1935.

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

Barometric Tendency—(Columns 2 and 17)
The Barometric tendency is expressed in tenths of a millibar.

Code for wind direction (DD)

Abridged observations (page 4).

Code Number	Direction	Code Number	Direction
00	Calm	16	S
01	N by E	17	S by W
02	NNE	18	SSW
03	NE by N	19	SW by S
04	NE	20	SW
05	NE by E	21	SW by W
06	ENE	22	WSW
07	E by N	23	W by S
08	E	24	W
09	E by S	25	W by N
10	ESE	26	WNW
11	SE by E	27	NW by W
12	SE	28	NW
13	SE by S	29	NW by N
14	SSE	30	NNW
15	S by E	31	N by W
		32	N

Note 33 is added to DD to denote unusual gustiness, and 67 is added if a definite squall or line squall has occurred during the preceding hour.

Code for state of ground (E)—Column 31.

0 ... Ground dry.	7 ... Ground covered with snow, less than 6 ins. deep but ground not frozen.
1 ... " wet.	8 ... " covered with snow, less than 6 ins. deep but ground frozen.
2 ... " flooded.	9 ... " covered with snow greater than 6 ins. deep.
3 ... " frozen hard and dry.	- ... Fresh snow has fallen on the mountains.
4 ... " partly covered with snow or hail.	
5 ... " covered with ice or glazed frost.	
6 ... " covered with thawing snow.	

Code for Height above ground of base of cloud (h) Abridged reports (page 4).

0 ... 0—150 feet
1 ... 150—300 "
2 ... 300—600 "
3 ... 600—1,000 "
4 ... 1,000—2,000 "
5 ... 2,000—3,000 "
6 ... 3,000—5,000 "
7 ... 5,000—6,500 "
8 ... 6,500—8,000 "
9 ... above 8,000 feet or no low cloud

Code for cloud amount (N_h and N).
Abridged reports (page 4).

0 ... 0.	7 ... More than 9 but with openings.
1 ... Trace.	8 ... 10 tenths.
2 ... 1 tenth.	9 ... Sky obscured by fog, dust storm or other phenomenon.
3 ... 2, 3 tenths.	
4 ... 4, 5, 6 tenths.	
5 ... 7, 8 tenths.	
6 ... 9 tenths.	

Form of Low Cloud (CL) — Columns 10, 25, and abridged reports (page 4).

- 0 No low cloud.
- 1 Fair weather Cu.
- 2 Large Cu without anvil.
- 3 Cb.
- 4 Sc formed by the spreading out of Cu.
- 5 Layer of St or Sc.
- 6 Ragged low clouds of bad weather (or fractonimbus).
- 7 Fair weather Cu and Sc.
- 8 Large Cu (or Cb) and Sc.
- 9 Large Cu (or Cb) and ragged low clouds of bad weather.

Form of High Cloud (CH) — Columns 11, 27

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

Form of Medium Cloud (CM) — Columns 11, 26, and abridged reports (page 4).

- 0 No medium cloud.
- 1 Typical As (thin).
- 2 Typical As (thick) (sun or moon invisible), (or Ns)
- 3 Single layer of Ac or high Sc.
- 4 Ac in isolated patches. Individually decreasing (often lenticular).
- 5 Ac in bands (increasing).
- 6 Ac formed from the spreading out of Cu.
- 7 Ac associated with As, or As with parts resembling Ac.
- 8 Ac Castellatus (or Ac in ragged fragments).
- 9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

Cloud Form Abbreviations

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

Cloud Amount — Columns 13, 14, 28, 29
Columns 13, 28. The figures in these columns indicate the amount of cloud at the height given in Columns 15, 30, Columns 14, 29. The figures in these columns indicate the total amount of all forms of cloud.
An entry "4-6" means that the cloud amount may be 4, 5 or 6 tenths; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies sky covered but with a few small openings.

Code for Horizontal Visibility (V)—Columns 9, 24, and abridged reports (page 4).

- Objects not visible at
- | | |
|-------------------|-------------|
| 0 Dense fog | 55 yards |
| 1 Thick fog | 220 " |
| 2 Fog | 550 " |
| 3 Moderate fog | 1,100 " |
| 4 Mist or haze | 1½ miles |
| 5 Poor visibility | 2½ " |
| 6 Moderate " | 6½ " |
| 7 Good " | 12½ " |
| 8 Very good " | 31 " |
| 9 Excellent " | beyond 31m. |

Code for State of Sea (S)—Column 32

- | | |
|-----------------|---------------|
| 0 Calm—glassy. | 5 Rough. |
| 1 Calm—rippled. | 6 Very rough. |
| 2 Smooth. | 7 High. |
| 3 Slight. | 8 Very high. |
| 4 Moderate. | 9 Phenomenal. |

Rainfall—Columns 36, 37

Tr: = rain has fallen, but amount less than 0.1 m.m.

Beaufort Notation and Symbols for Weather—Columns 5, 20, 39, 40, 41, 42.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220-1100 yds.
F, thick fog, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100-2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix, indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r, slight rain. rr, continuous rain.
<, less than (for cloud height).
gale.
⊙, Solar halo. ☾, Lunar halo. ☾, Aurora.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus: —bc/r, fair weather after rain; —, has decreased; +, has increased.

Explanations of the symbols used for cloud forms in the chart on p. 4, will be found in Form 2459, "Instructions for the Preparation of Weather Maps," H.M. Stationery Office, Price 1/- net.

THE BEAUFORT SCALE OF WIND FORCE [F] Columns 4, 19

Beaufort Number.	Admiral Beaufort's General Description of Wind.	Specification for use on Land, based on observations made at British Land Stations.	Limits of Mean Velocities Statute Miles per Hour as recorded by well exposed anemometers about 30 to 40 feet above ground.
0	Calm ...	Calm; smoke rising vertically...	Less than 1
1	Light air ...	Direction of wind shown by smoke drift ...	1-3
2	Slight breeze ...	Wind felt on face; leaves rustle ...	4-7
3	Gentle breeze...	Leaves and small twigs in constant motion; wind extends light flag ...	8-12
4	Moderate breeze	Raises dust and loose paper; small branches are moved ...	13-18
5	Fresh breeze ...	Small trees in leaf begin to sway; crested wavelets on inland waters...	19-24
6	Strong breeze...	Large branches in motion; whistling heard in telegraph wires	25-31
7	Moderate gale...	Whole trees in motion; inconvenience felt when walking against wind ...	32-38
8	Fresh gale ...	Breaks twigs off trees; generally impedes progress...	39-46
9	Strong gale ...	Slight structural damage occurs (chimney pots and slates removed) ...	47-54
10	Whole gale ...	Seldom experienced inland; trees uprooted...	55-63
11	Storm ...	Very rarely experienced; accompanied by widespread damage	64-75
12	Hurricane	Above 75

GALE WARNINGS*

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

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

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

The districts to which warnings are sent are shown in the Report by the following symbols written on page 1 against the forecast districts to which they apply:—

▲ North Cone hoisted:

▼ South Cone hoisted:

The time or times of issue of the gale warning telegrams is shown below the "further outlook" on page 1 of the Report.

*Note—The public issue of Gale Warnings is suspended for the duration of war.

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

FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND



FORECAST DISTRICTS and the Counties comprised within them

- | | | | | | |
|---|--|--|---|---|--|
| 1. England, S.E.
Kent.
Sussex.
Surrey.
Hampshire.
Berkshire.
Wiltshire. | 4. Midlands, W.
Gloucester.
Hereford.
Worcester.
Shropshire.
Stafford. | 8. England, N.W.
Cheshire.
Lancashire.
Westmorland.
Cumberland. | 11. Scotland, S.E. (cont.)
Linlithgow.
Clackmannan.
Kinross.
Fife.
Forfar. | 13b. Scotland, N.W. 16. Orkneys and Shetlands.
Hebrides.
Western parts of Inverness, Ross and Cromarty, Sutherland.
(Boundary line runs from Rannoch Station through Fort Augustus, Beaulieu and Lairg to Melville.) | 19. Ireland, S.E.
Waterford.
Wexford.
Kilkenny.
Carlow.
Wicklow.
Offaly.
Leix.
Kildare.
Dublin. |
| England, E.
Essex.
Middlesex.
Hertford.
Bedford.
Huntingdon.
Cambridge.
Suffolk.
Norfolk.
Lincoln. | 5. England, S.W.
Dorset.
Somerset.
Monmouth.
Devon.
Cornwall. | 9. Midlands, N.
Derby.
Yorkshire, W. | 12. Scotland, S.W., and Isle of Man.
Isle of Man.
Dunfermline.
Wigtown.
Ayr.
Lanark.
Renfrew.
Dumbarton.
Stirling. | 14. Mid Scotland.
Perth. | 17. Ireland, N.W.
Galway.
Roscommon.
Mayo.
Sligo.
Leitrim. |
| 3. Midlands, E.
Buckingham.
Oxford.
Northampton.
Warwick.
Leicester.
Rutland.
Nottingham. | 6. Wales, S.
Glamorgan.
Brecknock.
Cardiff.
Cardigan.
Radnor. | 10. England, N.E.
Yorkshire, N. & E.
Durham.
Northumberland. | 15. Scotland, N.E.
Kincardine.
Aberdeen.
Banff.
Elgin.
Nairn.
Caithness.
Eastern parts of Inverness, Ross, Sutherland. | 18. Ireland, N.E.
Meath.
West Meath.
Longford.
Cavan.
Fermanagh.
Monaghan.
Louth.
Armagh.
Down.
Antrim.
Londonderry.
Tyrone.
Donegal. | 20. Ireland, S.W.
Cork.
Kerry.
Limerick.
Tipperary.
Clare. |
| | 7. Wales, N.
Montgomery.
Merioneth.
Flint.
Denbigh.
Carnarvon.
Anglesey. | 11. Scotland, S.E.
Roxburgh.
Selkirk.
Peebles.
Berwick.
Haddington.
Edinburgh. | 13a. Scotland, W.
Argyll.
Bute. | | |

NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT

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

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

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

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

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

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

The wind at a height of 1,500–2,000 feet above ground usually blows along the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, e.g., for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 24 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 48 m.p.h.

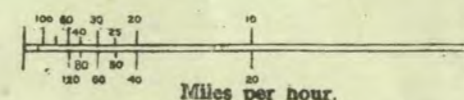
The scales below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

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

GEOSTROPHIC WIND SCALES

Upper Scale—8 mb isobars on 1 : 4 × 10⁷ Charts.

Lower Scale—2 mb „ „ 1 : 5 × 10⁸ „



This scale applies under the following conditions:—

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

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

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

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

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

$$x = f - .444 (t - t') \text{ for wet bulb readings above } 32^\circ \text{ F.}$$

$$x = f - .400 (t - t') \text{ for wet bulb readings below } 32^\circ \text{ F.}$$

where x is the vapour pressure in mb.

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

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

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

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

t the dry bulb temperature; and

t' the wet bulb temperature.

The entries in columns 7 and 22 are limited to 10, 25, 35, etc., to 85, 92 and 97. Entry 10 indicates that relative humidity is from 0 to 19; 25, between 20 and 29; and so on; 92, from 90 to 94; 97 between 95 and 100.

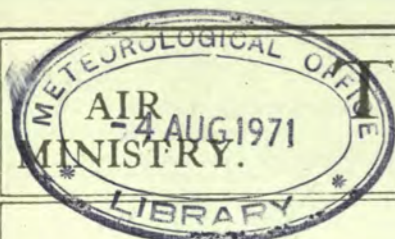
The values of Dew Point given in columns (8) and (23) are derived from the original readings of dry—and wet—bulb temperature and are correct to one degree Fahr. Values below 32° F. give the "Hoar Frost Point," that is to say the temperature for which the actual vapour pressure is equal to the saturation pressure over ice.

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

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

N.B.—Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read "The Weather Map: An Introduction to Modern Meteorology," (3rd Edition, 1939), to be purchased from H.M. Stationery Office, York House, Kingsway, W.C.2, price 3s. 2d. post free.

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



DUPLICATE

SECRET

Page 1.

THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON

MONTHLY
SUPPLEMENT,

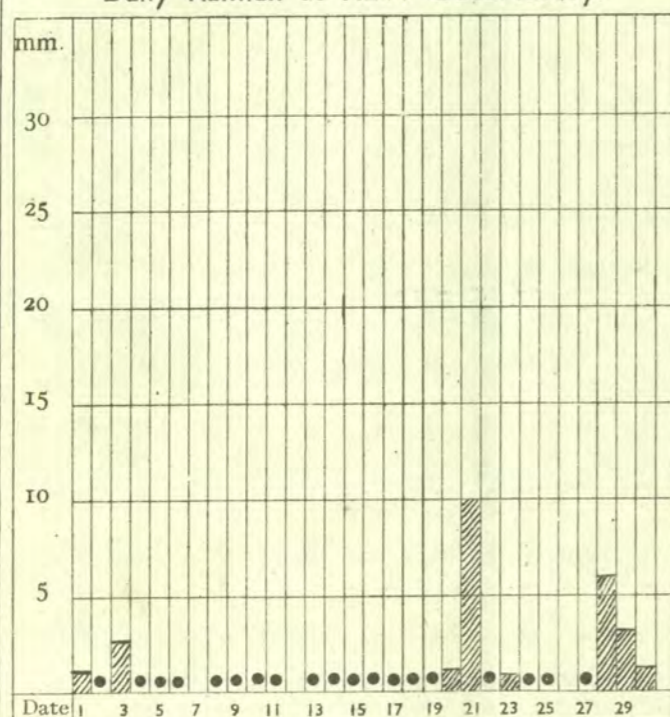
September 1942 No. 309

Mainly Unsettled.

The slowly moving, deep disturbance southwest of Iceland maintained very unsettled conditions over most of the country during the first few days of the month; with local thunderstorms, mostly in Southeast England. Another depression moved east across Scotland during the 4th and 5th, giving much rain in that area; falls being particularly heavy in the Southern half, 60mm. being recorded at Eskdalemuir. Gales were reported from exposed places on the Western seaboard. Mainly fair conditions obtained during 6th and 7th, but the passage of a trough across Iceland and England gave rise to considerable rain in Western districts. A high pressure system developed by 9th and considerable sunshine was reported in the Southern half of the country during 11th and 12th, and temperatures were above the seasonal average maxima of the order 77°-80° being recorded in Southeast England.

The anticyclone moved slowly eastward on 13th, but a ridge of high pressure persisted over England and Wales, while shallow troughs of low pressure passed across Ireland and Scotland, and precipitation was confined to the extreme Western districts. A deep disturbance had moved southeast to Northern Scotland on 15th; rainfall was confined mainly to Scotland and Ireland with gales in exposed places in the North. Most of England and Wales remained under the influence of a high pressure system to the Southwest. On 17th and 18th associated troughs from a disturbance over the North Sea and a depression off Northwest Scotland gave rise to rain over the whole country, but amounts were generally only slight. Fair periods and showers were general on 19th, but conditions again became disturbed by the northeasterly passage of a depression centred southwest of Ireland, and rainfall was heavy in Scotland on 21st. A vigorous depression near Iceland spread quickly east on 22nd, and gave rise to much rain, followed by hail showers and local thunderstorms on 23rd and 24th. A complex low pressure system moved across England and Wales on 25th and was succeeded by a ridge of high pressure with cold northerly winds, showers, and local thunderstorms; snow was reported on high ground in Wales. Temperatures fell generally over the whole country; low minimum values were reported during the night of 25th-26th, 20°F at Dalwhinnie and 28°F at Renfrew, Aldergrove and Birr. Disturbed conditions were general during the remainder of the month, rainfall being heavy in Western districts on 28th and 30th. Sunshine was in general below average in South and West but in excess of normal in the North. Leuchars recorded a new high record for the month. Rainfall was almost everywhere above the average for the month.

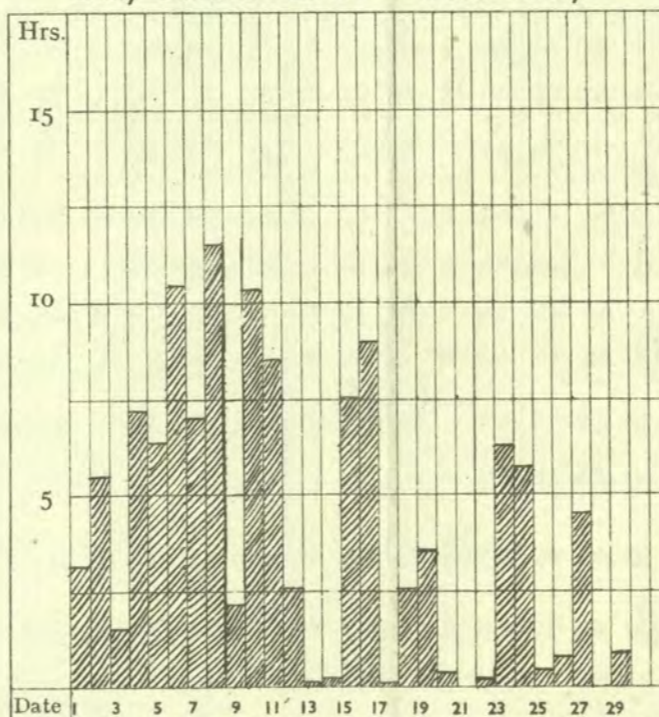
Daily Rainfall at KEW Observatory.



● = less than 0.5 mm.

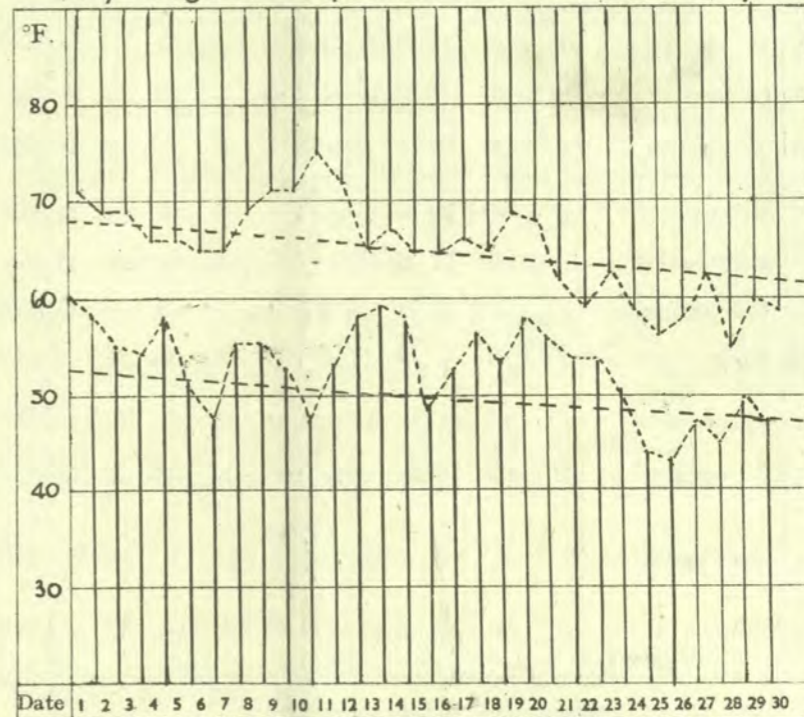
RAINFALL. Total for Month. 26 mm.

Daily Sunshine at KEW Observatory.



SUNSHINE. Total for Month. 109 hrs.

Daily Range of Temperature at KEW Observatory.



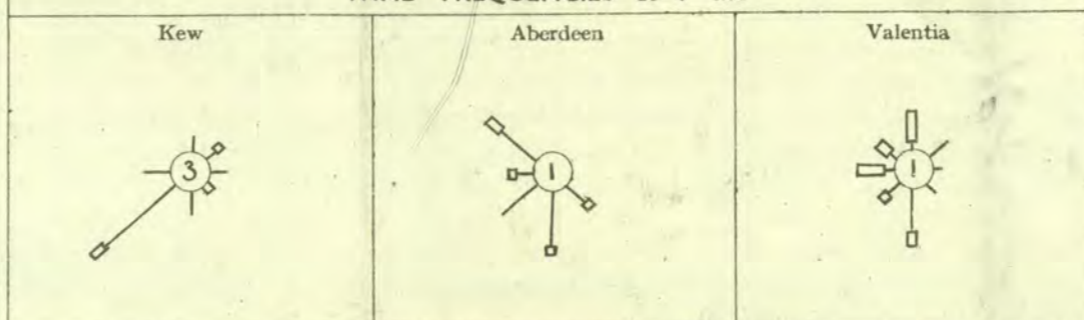
TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

MEAN VALUES FOR THE MONTH.*

STATIONS.	PRESSURE		TEMPERATURE	
	Mean	Difference from average	Mean	Difference from average
Kew	mb 1013.7	-3.7	°F. 58.8	+0.3
Aberdeen	1008.5	-6.0	53.5	+0.3
Valentia	1013.2	-3.1	56.1	-0.5

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

WIND FREQUENCIES at 7 hr.



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.

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

	miles.
Kew ...	51945
Aberdeen ...	
Lerwick ...	14037
Valentia ...	

SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

DISTRICT.	STATIONS.	↑ TEMPERATURE.													LOW CLOUD.						FOG, MIST and GOOD VISIBILITY.																				
		Number of daily readings within fixed limits.										Extremes—Warmest and Coldest.			Number of observations within fixed limits.						Number of observations within fixed limits.																				
															Days.			Nights.			7 h.		13 h.		18 h.		7 h.			13 h.											
		Maximum.					Average Maximum.	Minimum.					Average Minimum.	Highest Max.		Lowest Min.		Number of Ground Frosts.	Below 1,000 ft.		1,000-5,000 ft.		5,000-8,000 ft.		Below 1,000 ft.		1,000-5,000 ft.		5,000-8,000 ft.		Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	Dense fog.	Thick fog.	Fog.	Mist.	Good Visibility.	
		42°	50°	51°-59°	60°-68°	69°-77°		78°-86°	24°-32°	33°-41°	42°-50°	51°-59°		60°-68°	Highest Max.	Date.	Lowest Max.		Date.	Highest Min.	Date.	Lowest Min.	Date.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.	1,000-5,000 ft.	5,000-8,000 ft.	Below 1,000 ft.											1,000-5,000 ft.
1	London ... (Kew Obsy). Croydon ... Thorney Island Lympne ...	0	6	15	9	0	65.7	0	0	10	19	1	51.3	75	11	55	28	60	1	43	26	0	0	21	0	0	27	0	1	25	0	0	1	1	13	0	0	0	0	19	
2	Shoeburyness... Gorleston ... Cranwell ...	0	5	15	9	1	65.6	0	0	11	18	1	50.5	80	11	58	26	60	1	43	25	0	6	18	0	6	23	0	2	22	1	1	1	1	13	0	0	1	1	19	
3	Birmingham ... (Edgbaston)	0	4	16	10	0	65.2	0	1	11	17	1	52.2	76	12	58	30	61	1	41	12	0	5	18	0	0	27	0	1	23	1	0	0	1	1	18	0	0	0	0	25
4	Lympne ...	0	3	19	8	0	64.1	0	3	13	12	2	50.3	77	11	54	28	60	13	37	25	2	6	16	0	4	24	0	4	16	2	0	1	2	0	17	0	0	0	0	23
5	Shoeburyness... Gorleston ... Cranwell ...	0	4	11	15	0	66.5	0	0	10	17	3	50.5	76	1	55	22	61	3	43	26	1	2	16	1	0	27	0	0	22	1	0	0	1	2	14	0	0	0	0	24
6	Gorleston ... Cranwell ...	0	4	19	7	0	64.2	0	0	10	15	5	52.0	76	8	57	28	62	3	42	10	0	5	17	0	6	19	0	2	22	0	0	0	1	0	20	0	0	0	0	25
7	Cranwell ...	0	5	18	7	0	64.1	0	3	15	12	0	48.2	75	11	55	25	59	1	37	27	0	1	17	2	1	24	0	1	20	1	0	0	1	1	11	0	0	0	0	22
8	Birmingham ... (Edgbaston)	0	6	18	6	0	62.8	0	2	13	15	0	49.7	74	11	53	29	58	1	38	26	2	4	18	0	1	25	0	1	23	0	0	3	1	4	14	0	0	0	0	24
9	Ross-on-Wye...	0	4	18	8	0	64.3	0	5	8	17	0	49.2	73	11	55	26	59	3	33	27	1	5	24	0	2	28	0	0	24	0	0	3	1	0	18	0	0	0	0	23
10	The Lizard ...	0	6	23	1	0	*	0	1	6	21	2	*	70	12	54	29	60	13	39	26	*	3	27	0	1	29	0	1	29	0	0	0	0	28	0	0	0	0	27	
11	Holyhead ... (Valley)	1	8	21	0	0	60.5	0	1	11	17	1	52.7	68	13	49	25	60	3	37	27	0	5	24	0	3	24	0	6	18	0	0	0	1	1	22	0	0	0	0	26
12	Chester ... (Sealand)	0	3	18	9	0	63.5	0	4	10	16	0	48.1	74	4	55	25	59	3	35	27	2	3	21	0	1	26	0	1	24	0	0	1	3	1	14	0	0	0	0	23
13	Tynemouth ...	1	11	15	3	0	60.3	1	0	11	18	0	50.1	70	8	49	25	59	1	30	27	0	0	24	0	0	27	0	0	28	0	0	2	4	9	0	0	0	1	18	
14	Leuchars ...	0	10	20	0	0	60.6	1	4	15	10	0	45.8	67	10	53	25	59	1	31	27	3	2	25	1	0	30	0	1	25	0	0	0	0	25	0	0	0	0	23	
15	Renfrew ...	0	8	22	0	0	60.4	2	2	12	14	0	45.6	65	13	53	20	56	8	28	26	2	0	28	0	2	28	0	2	27	0	0	0	1	19	0	0	0	1	22	
16	Eskdalemuir ...	1	20	9	0	0	58.0	1	7	18	4	0	43.4	63	11	48	25	56	1	29	27	5	10	17	1	6	24	0	6	21	0	0	0	1	1	18	0	0	0	0	24
17	Stornoway ...	1	26	3	0	0	56.8	0	2	16	12	0	47.1	60	13	49	25	55	8	38	26	*	0	29	0	4	26	0	2	28	0	0	0	0	29	0	0	0	0	27	
18	Aberdeen ...	1	17	11	0	1	59.3	0	5	16	9	0	47.1	78	8	50	25	57	1	35	26	1	2	25	3	3	26	1	3	26	0	0	0	1	21	0	0	0	1	22	
19	Aldergrove ...	0	16	14	0	0	60.8	1	2	18	9	0	47.9	66	10	53	28	56	8	28	26	1	4	24	1	4	25	1	3	25	0	0	0	1	23	0	0	0	1	27	
20	Birr Castle ...	1	8	20	1	0	61.7	1	1	18	10	0	47.9	70	10	49	25	57	17	29	26	1	4	23	0	3	26	0	5	25	0	0	0	1	29	0	1	0	0	29	
21	Valentia ... (Cahirciveen)	0	10	20	0	0	61.2	0	2	6	22	0	52.0	65	10	52	25	58	8	35	26	1	5	24	1	1	28	0	3	25	2	0	0	0	0	28	0	0	0	0	28

UPPER AIR TEMPERATURE.

UPPER WINDS.

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

Pressure.	Normal Height.	BIRCHAM NEWTON.			ALDERGROVE.		PENZANCE.		STATION.	LYMPNE.						PLYMOUTH (Mt. Batten).						HOLYHEAD (Valley).						RENFREW.							STATION.
		Normal Temp.	Mean.	No. of Reports.	Mean.	No. of Reports.	Mean.	No. of Reports.	Height.	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	*No. of Obs.	6 to 25	26 to 50	51 to 75	76 to 100	Above 100	Height.	
																																			°F.
mb.	Feet.	°F.	°F.		°F.																														
950	1760	46.6	52.0	56	48.4	59	53.6	30	500 above ground	56	17	31	8	0	0	33	0	7	17	9	0	16	8	4	4	0	0	11	6	3	1	1	0	500 above ground.	
850	4740	37.9	43.0	60	40.3	59	46.9	30	1000 above M.S.L.	54	19	29	5	1	0	25	3	5	10	7	0	10	5	3	2	0	0	10	7	2	0	1	0	1000 above M.S.L.	
750	8040	30.1	35.3	60	33.3	59	37.2	30	2000 " "	35	18	16	1	0	0	11	1	3	4	2	1	0	0	0	0	0	0	1	1	0	0	0	0	2000 " "	
650	11780	19.4	24.3	60	22.7	59	27.5	30	3000 " "	21	10	9	2	0	0	5	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3000 " "	
550	15380	5.7	10.2	60	8.4	59	13.7	30	4000 " "	17	6	10	1	0	0	4	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4000 " "	

† The readings and averages used, are the maximum for the period 7 h.-18 h. and the minimum for the period 18 h.-7 h. Averages are for periods of at least 10 years (See M.O. 364).

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

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

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

SUNSHINE, RAINFALL, AND HUMIDITY

September 1942.

Page 3.

DISTRICT.	STATIONS.	SUNSHINE.														RAINFALL.														Days with Thunder.	Days with Snow or Sleet.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		Number of Days with Duration.					Maximum Duration.		Total for past 12 months.		Difference from average.		Total for Month.		Difference from average.		Highest and Lowest Totals on record for Month.			Number of days with amount.					Maximum fall in 24 hours.		Total for past 12 months.		Difference from average.			Total for Month.†		Difference from average.		Highest and Lowest Totals on record for Month.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		Nil.	0.1—3h.	3.1—6h.	6.1—9h.	Above 9h.	Hours.	Date.	Hours.	Hours.	Hours.	Hours.	First year of record.	Highest.	Year.	Lowest.	Year.	0, trace or 0.1 mm.	0.2—1 mm.	1.1—5 mm.	5.1—15 mm.	15.1—25 mm.	Above 25 mm.	mm.	Date.	mm.	mm.	mm.	mm.			First year of record.	Highest.	Year.	Lowest.	Year.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
								Hours.	Hours.	Hours.	Hours.		Hrs.		Hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

MINIMUM SURFACE HUMIDITY.

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

STATIONS.	95 to 100 %	90 to 94 %	80 to 89 %	70 to 79 %	60 to 69 %	50 to 59 %	40 to 49 %	30 to 39 %	20 to 29 %	0 to 19 %
London (Kew) ...	0	0	2	5	9	10	3	1	0	0
Ross-on-Wye ...	0	0	0	4	14	8	4	0	0	0
Falmouth (Obsy.)	1	4	4	10	11	0	0	0	0	0
Renfrew ...	0	1	2	3	10	11	2	1	0	0
Eskdalemuir ...	0	1	5	1	12	9	2	0	0	0
Aberdeen ...	0	0	0	7	4	11	7	1	0	0
Valentia ...										

STATE OF GROUND AT 18 h.

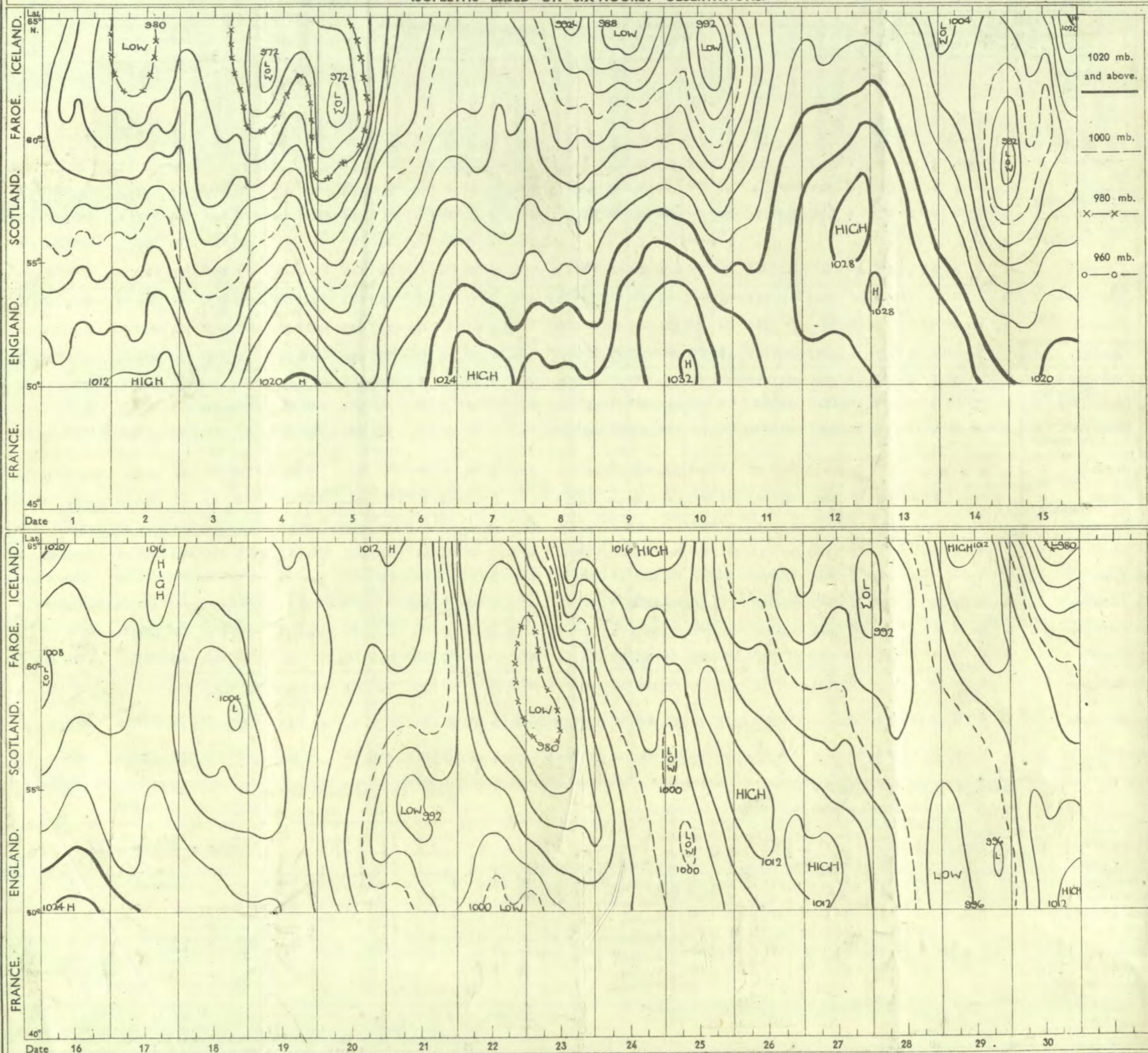
No. of Days each Type was Recorded

STATIONS.	0	1	2	3	4	5	6	7	8	9	CODE for State of Ground.
London (Kew)...	12	18	0	0	0	0	0	0	0	0	0 Dry.
Ross-on-Wye ...	16	14	0	0	0	0	0	0	0	0	1 Wet.
Renfrew ...	6	21	3	0	0	0	0	0	0	0	2 Flooded.
Eskdalemuir ...	7	23	0	0	0	0	0	0	0	0	3 Frozen hard and dry
Aberdeen ...	17	13	0	0	0	0	0	0	0	0	4 Partly covered with snow or hail.
Valentia ...											5 Covered with ice or glazed frost
											6 Covered with thawing snow.
											7 Covered with snow, less than 6 in., but ground not frozen.
											8 Covered with snow, less than 6 in., and ground frozen.
											9 Covered with snow, greater than 6 ins. deep.

Leuchers * 29 Occasions.

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

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.



* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseilles. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at 1h., 7h., 13h. and 18h. are plotted consecutively and joined to show the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W., in the north; at Lat. 44° N., Long. 4° E., in the south.

SECRET

Tuesday 1st September 1942

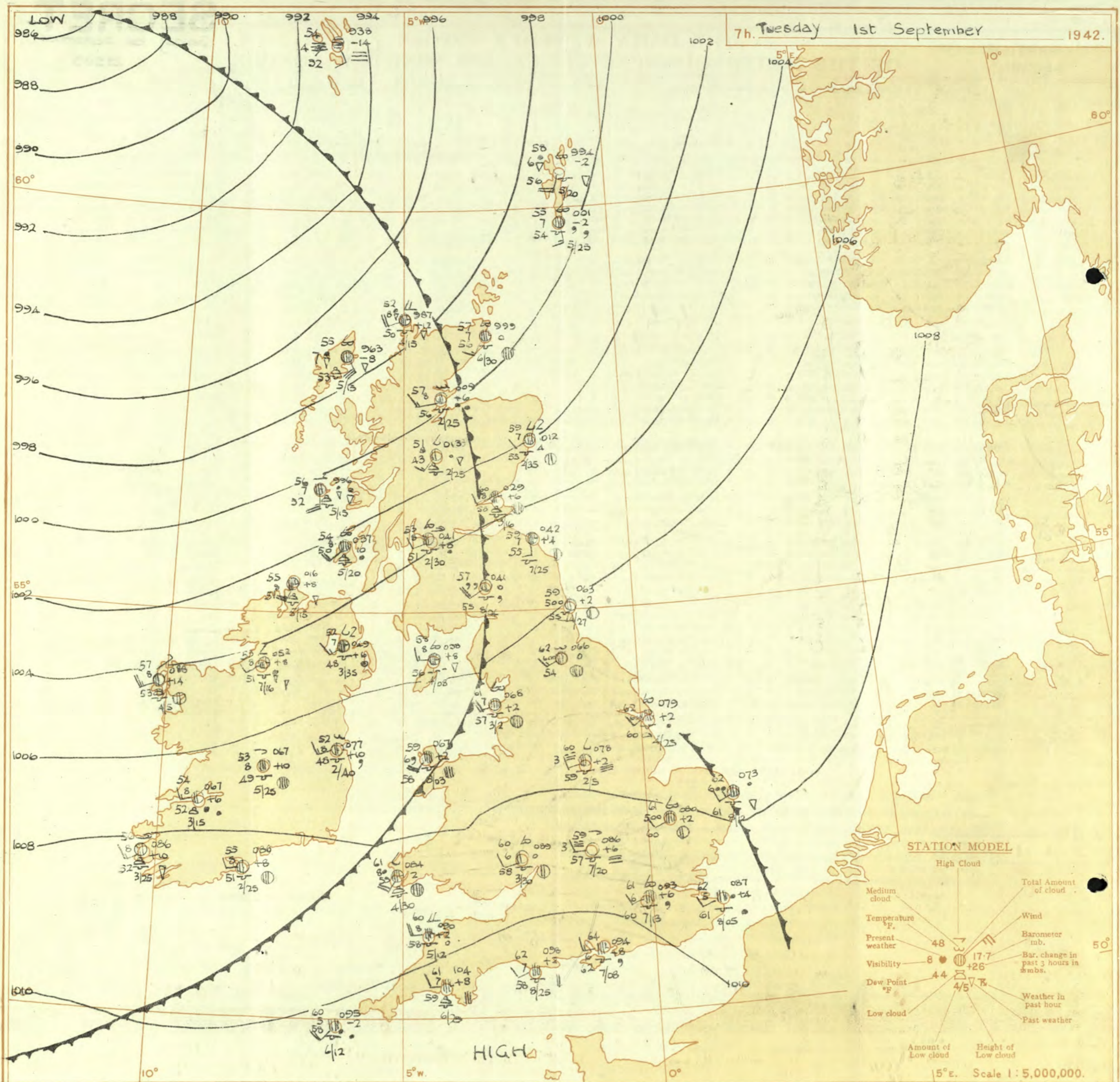
No. 29503

Page 1

BRITISH
SECTION

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

OBSERVATIONS at 13h. G.M.T. 31st August															OBSERVATIONS at 18h. G.M.T. 31st August													PAST 24 HOURS.																						
DISTRICT.	STATIONS.	Barom. at M.S.L. (1)	Change in 3 hours (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.					State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.																		
				Dir.	Force. 0-12 (4)						Form.	Amount.		Height of Base (feet) (15)					Dir.	Force. 0-12 (19)						Form.	Amount.		Height of Base (feet) (30)						7h.-13h. 31st....	13h.-18h. 31st....	18h. 31st to 1h. 1st....	1h.-7h. 1st....												
												Low.	Med.	High.	Low.			Med.									High.																							
1	London (Kew)	10.3	-2	SSW	3	c	68	75	60	8	3	-	7-8	9	4000	08.2	-14	SSW	2	c	68	75	61	8	8	2	3	1	9	4000	1	*	c/v m/c	c/c	c/bw	w/c/r														
	Croydon	10.3	-4	SW	2	c	72	76	56	8	2	6	1	4-6	9	2000	09.1	-10	SE	1	c	66	85	63	7	3	7	3	1	9	2800	1	*	c/v m/c	c/c	c/bw	w/c/r													
	S. Farnborough	10.6	-2	SSW	3	c	71	65	63	8	7	1	4-6	7-8	2500	08.4	-8	SE	1	c	69	75	61	8	4	7	4	1	7-8	2500	1	*	c/v m/c	c/c	c/bw	w/c/r														
	Boscombe Down	10.7	-2	SW	3	c/v	67	85	59	8	8	7	1	4-6	9	1500	09.2	-8	SE	2	c	68	75	61	8	4	8	4	6	7-8	2000	1	*	c/v m/c	c/c	c/bw	w/c/r													
	Thorney Island	11.4	-2	SW	2	c	67	85	59	8	8	3	1	4-6	9	1500	09.2	-8	SE	3	c	67	85	62	8	3	3	4	6	7-8	5700	0	*	c/v m/c	c/c	c/bw	w/c/r													
	Lymington	13.0	-4	SE	2	c	67	85	62	8	5	2	1	9	9	1000	10.0	-16	SE	3	c	67	85	62	8	3	3	10	10	1500	0	*	c/v m/c	c/c	c/bw	w/c/r														
2	Manston	11.4	-6	SW	2	c	71	75	61	8	5	3	-	9	9	1500	09.3	-6	SE	2	c	65	92	63	6	3	-	9	9	1200	1	*	c/v m/c	c/c	c/bw	w/c/r														
	Shoeburyness	11.5	-6	S	3	c	72	85	66	8	5	7	-	7-8	9	2500	09.6	-10	SE	2	++	67	92	64	6	5	7	-	7-8	9	5000	1	*	c/v m/c	c/c	c/bw	w/c/r													
	Felixstowe	11.1	-6	SSE	4	c	73	75	65	7	5	7	1	4-6	7-8	2900	09.4	-10	SE	3	+	68	85	65	7	5	2	-	4-6	9	4000	1	2	c/v m/c	c/c	c/bw	w/c/r													
	Gorleston	11.2	-2	SSW	4	c/v	67	85	64	7	8	3	-	7-8	9	1800	09.8	-6	S	4	c	66	85	63	7	8	4	-	4-6	7-8	1000	1	4	c/v m/c	c/c	c/bw	w/c/r													
	Mildenhall	10.5	-6	SSW	2	c	68	85	63	7	8	-	-	7-8	9	1200	08.9	-6	S	2	c	71	75	61	8	4	6	-	7-8	9	5000	1	*	c/v m/c	c/c	c/bw	w/c/r													
	Cranwell	09.3	-4	SSW	3	c/v	64	85	60	6	5	-	-	10	10	1200	07.9	-10	SW	2	c	69	75	61	7	8	6	2	2-3	9	2000	0	*	c/v m/c	c/c	c/bw	w/c/r													
3	Birmingham	09.0	-4	SW	3	zo	64	85	59	6	5	7	-	9	9	1500	07.6	-6	SSW	3	bc	67	75	60	8	8	7	-	2-3	7-8	2500	1	*	c/v m/c	c/c	c/bw	w/c/r													
	Upper Heyford	09.2	-8	S	3	c	70	75	61	8	8	3	-	7-8	7-8	2000	07.9	-4	SW	3	c	69	75	60	8	2	6	8	4	6	3	3000	1	*	c/v m/c	c/c	c/bw	w/c/r												
4	Ross-on-Wye	08.5	-6	SW	3	c/v	66	85	61	7	9	7	-	7-8	9	2000	07.9	-10	SW	3	bc	67	85	61	7	8	7	-	4-6	4-6	3000	1	*	c/v m/c	c/c	c/bw	w/c/r													
	Hartland Point	07.9	-8	SW	3	c/v	66	85	61	8	2	4	-	2-3	9	1500	07.2	-4	WSW	3	c/v	67	85	61	8	2	4	2	4	6	9	3200	1	4	c/v m/c	c/c	c/bw	w/c/r												
5	Bristol	09.5	-8	SSW	4	bc	63	75	62	8	2	3	-	4-6	4-6	2500	09.0	-4	SSW	1	bc	67	85	62	8	2	7	-	2-3	7-8	2500	1	*	c/v m/c	c/c	c/bw	w/c/r													
	Portland Bill	10.4	-8	S	2	c	63	92	60	8	5	-	-	10	10	4000	08.2	-4	E	2	c	62	85	58	8	5	-	10	10	4000	1	2	c/v m/c	c/c	c/bw	w/c/r														
	Plymouth	09.2	-4	S	1	c/d	63	97	63	8	8	8	-	7-8	10	1500	08.0	-6	S	2	c	66	85	61	7	8	7	-	9	9	2000	0	2	c/v m/c	c/c	c/bw	w/c/r													
	The Lizard	08.2	0	SE	3	c	64	92	62	8	6	-	-	7-8	7-8	1500	07.7	+6	SW	1	bc	63	92	61	8	8	6	-	4-6	4-6	2000	0	3	c	c	c/bw	w/c/r													
	Scilly (St. Mary's)	07.2	-2	SSE	4	c	68	85	63	8	7	-	-	4-6	9	1200	07.3	+2	WS	2	c	65	85	62	8	8	4	4	4	6	7-8	1200	1	3	c	c	c/bw	w/c/r												
	Guernsey	07.5	-2	SW	3	c	64	92	63	8	8	6	-	4-6	7-8	3000	07.1	0	SW	3	c	63	92	61	8	9	6	-	7-8	9	2500	1	3	c/d m/c	c	c/bw	w/c/r													
6	Pembroke	07.5	-2	SW	3	c	63	85	59	8	2	6	8	7	9	2500	06.2	-4	SSW	3	bc	63	92	59	8	5	4	2	2-3	4-6	2000	1	3	c/v m/c	c/c	c/bw	w/c/r													
	Holyhead (Valley)	07.3	+6	SE	3	c	67	65	57	6	8	2	-	7-8	9	3500	06.4	-10	SE	1	c	68	85	62	7	8	3	3	7-8	9	2500	1	*	c/v m/c	c/c	c/bw	w/c/r													
7	Chester (Sealand)	07.3	+6	SE	3	c	67	65	57	6	8	2	-	7-8	9	3500	06.4	-10	SE	1	c	68	85	62	7	8	3	3	7-8	9	2500	1	*	c/v m/c	c/c	c/bw	w/c/r													
	Manchester	08.5	-4	SSE	3	c/v	64	85	58	5	7	-	-	7-8	9	2500	06.8	-8	SSE	3	c/v	65	85	62	7	2	3	-	4-6	7-8	2500	1	*	c/v m/c	c/c	c/bw	w/c/r													
10	Spurn Head	09.3	-4	SW	3	c	67	75	59	6	2	7	-	4-6	10	1500	08.3	-2	SE	3	zo	63	92	61	6	7	4	4	4	6	7-8	2500	0	3	c/v m/c	c/c	c/bw	w/c/r												
	Catterick	07.3	-8	SW	3	zo	67	75	59	6	2	7	-	7-8	9	1000	06.2	-6	SW	1	c/v	65	85	59	5	8	7	1	2-3	9	1800	1	*	c/v m/c	c/c	c/bw	w/c/r													
11	Tynemouth	07.7	-4	SE	3	zo	62	85	56	5	5	-	-	9	9	2800	07.2	-4	WSW	3	zo	66	75	58	5	8	-	-	7-8	7-8	2100	1	3	c/v m/c	c/c	c/bw	w/c/r													
	St. Abbs Head	06.2	-2	SSW	2	c	65	75	57	6	5	-	-	9	9	3500	04.1	-12	SW	4	c	62	85	67	7	5	4	-	4-6	7-8	3500	1	4	c/v m/c	c/c	c/bw	w/c/r													
12	Leuchars	05.3	-6	E	1	c/v	62	92	60	6	8	-	-	7-8	9	1500	03.5	-6	S	3	pt	63	97	61	6	8	-	9	9	2000	1	*	c/v m/c	c/c	c/bw	w/c/r														
	Renfrew (Abbots L.)	04.7	-16	S	2	zo	66	75	58	5	7	-	-	9	9	1200	03.6	-6	SSW	3	c/v	62	85	59	6	5	2	-	7-8	10	1000	1	*	c/v m/c	c/c	c/bw	w/c/r													
13	Eskdalemuir	05.6	-6	SSW	1	zo	61	85	58	7	5	-	-	10	10	700	04.9	-4	SW	3	c	59	92	57	6	5	-	10	10	1100	1	*	c/v m/c	c/c	c/bw	w/c/r														
	Point of Ayre	05.9	0	SW	4	c	63	85	59	8	8	7	-	7-8	9	1500	04.9	-8	SW	4	c	64	75	56	8	2	3	-	1	7-8	1600	0	3	c/v m/c	c/c	c/bw	w/c/r													
13A	Tiree	02.7	-14	SSE	4	bc	57	92	55	7	5	-	-	10	10	1000	00.2	-10	SSE	4	dd	58	97	57	6	-	2	-	10	10	500	1	4	c/v m/c	c/c	c/bw	w/c/r													
	Stornoway	02.8	-16	SE	2	c	60	85	56	9	5	4	5	2-3	7-8	2500	09.7	-14	SSE	2	c/v	57	97	56	6	5	7	-	7-8	10	2000	1	1	c	c	c/bw	w/c/r													
15	Dalwhinnie	04.1	-10	SW	2	c	63	75	55	7	5	-	6	7-8	9	2500	02.5	-10	SSE	4	c/v	59	85	56	6	5	6	-	7-8	9	500	1	*	c	c	c/bw	w/c/r													
	Aberdeen	05.6	-8	SSE	2	f	56	92	56	3	-	-	-	10	10	1150	03.9	-6	SSW	2	zo	60	85	53	6	5	3	-	9	9	1500	1	2	c/v m/c	c/c	c/bw	w/c/r													
16	Wick	06.0	-12	SE	3	f	57	97	57	2	-	-	-	10	10	1150	02.0	-22	SSE	2	m	56	97	53	4	5	3	-	10	10	450	1	*	c/v m/c	c/c	c/bw	w/c/r													
	Sumburgh																																																	



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below.)
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



BRITISH
SECTIONTHE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.Tuesday 1st September 1942
No. 29503

OBSERVATIONS at 1 hr. G.M.T. 1st September																	OBSERVATIONS at 7 hr. G.M.T. 1st September																	PAST 24 HOURS.									
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. (24)	Cloud.				State of Ground. (31)	Sea. (32)	TEMPERATURE.			RAINFALL.		SUNSHINE. 31st Hrs.						
					Dir. (3)	Force. (4)						Form. (10)	Amount. (11)	Height of Base. (feet) (12)	Dir. (18)	Force. (19)			Form. (25)	Amount. (26)						Height of Base. (feet) (27)	Max. Day 7h-13h °F. (33)	Min. Night 13h-7h °F. (34)	Min. on Grass °F. (35)			Day 7h-13h mm. (36)	Night 13h-7h mm. (37)										
																																		Low. (13)	Med. (14)	High (15)		Low. (28)	Med. (29)	High (30)			
1	London (Kew) ... 290	08.7	-4	SW	1	C	63	97	61	6	5	2	-	9+	10	400	09.6	+8	WSW	1	10	62	92	60	6	5	2	-	9	9+	1500	1	70	60	53	1	0.1	0.9					
	Croydon ... 226	07.8	-8	-	0	C	61	92	59	6	5	2	-	4-6	9+	1000	09.2	+10	WS	1	C	61	92	59	7	5	4	-	7-8	9	1200	0	72	59	54	0.5	Tr	3.7					
	S. Farnborough ... 417	09.2	-4	WN	1	C	61	97	60	6	5	-	-	10	10	500	09.8	+6	SW	1	C	60	97	60	6	5	7	-	9	9+	1200	0	73	57	54	0.5	Tr	2.5					
	Thorney Island ... 10	08.4	-8	S	1	C	61	97	61	6	5	2	-	4-6	10	1500	09.4	+8	W	3	C	64	92	61	6	5	-	-	9+	9+	800	0	70	61	58	0.5	Tr	*					
	Lymington ... 283	10.0	-14	S	1	C	61	97	61	7	5	1	-	7-8	10	5000	10.2	+4	-	0	C/r	64	97	61	3	-	-	-	10	10	450	0	72	60	58	2	5	1.1					
	Manston ... 154	08.4	-10	SSE	1	C	61	92	59	6	-	1	-	0	10	-	08.7	+4	SW	1	C/r	62	97	61	5	5	-	-	10	10	500	1	74	60	58	2	5	1.6					
2	Shoeburyness ... 11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	09.6	+4	WS	1	C	62	97	61	6	5	7	2	1	9	2500	1	73	60	52	2	0.1	1.3						
	Felixstowe ... 12	08.9	-6	-	0	C	64	92	62	6	-	7	-	0	9+	-	08.3	0	WSW	1	C	62	97	61	5	5	7	-	2-3	9	2500	1	71	62	58	0.4	Tr	1.0					
	Gorleston ... 5	08.7	-10	NW	1	C	62	92	59	7	5	7	-	2-3	7-8	1500	07.3	0	WS	1	C/r	62	92	60	6	5	-	-	10	10	1200	1	69	61	57	Tr	Tr	2.0					
	Mildenhall ... 15	08.4	-6	SE	1	C	60	97	60	6	5	7	-	2-3	10	2500	08.0	+2	SW	2	C	61	97	60	5	-	7	-	0	10	-	0	74	58	54	0.4	Tr	1.2					
	Cranwell ... 203	08.3	-2	SSW	2	rr	62	97	61	6	5	2	-	4-6	10	2000	07.5	+6	WS	2	C	62	92	60	6	5	7	-	7-8	9+	3500	1	70	59	55	Tr	Tr	2.3					
3	Birmingham ... 535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	08.7	+2	SW	2	bc	59	92	57	6	5	4	-	2-3	4-6	1500	1	67	58	50	1	0.2	1.7						
	Upper Heyford ... 408	08.0	-2	W	2	C	62	97	60	6	5	1	-	2-3	10	4300	08.6	+6	W	2	C/r	59	92	57	3	5	-	1	9+	9+	2000	0	72	59	53	2	-	1.3					
4	Ross-on-Wye ... 223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	08.9	0	SW	2	bc	60	92	57	6	5	7	2	2-3	4-6	3000	1	69	57	53	5	-	1.3						
5	Hartland Point ... 299	08.6	+6	WSW	3	C	61	97	61	7	5	2	-	7-8	10	1500	09.0	+2	W	4	C	60	92	58	8	5	2	-	7-8	9+	1200	1	68	60	58	1	0.6	3.5					
	Bristol ... 209	09.2	-2	-	0	bc	61	97	60	7	5	3	-	2-3	4-6	2500	10.2	+10	W	2	C	61	92	60	7	5	-	-	9+	9+	2500	1	71	59	54	1	Tr	3.0					
	Portland Bill ... 32	08.9	-10	S	2	0	62	92	59	7	5	-	-	10	10	2500	09.8	+2	SW	2	C	62	85	59	7	5	-	-	10	10	2500	1	64	(54)	*	-	-	*					
	Plymouth ... 82	09.4	+6	SW	1	C	61	97	61	6	8	-	-	9+	9+	2000	10.4	+8	WS	2	C	61	92	59	7	8	-	-	9	9	2500	0	69	60	57	5	-	1.2					
	The Lizard ... 240	10.0	+10	NW	2	C/d	59	97	59	7	8	2	-	7-8	10	1500	10.3	0	WSW	4	C/r	60	97	58	8	8	2	9	7-8	9+	1500	0	67	59	*	-	Tr	3.0					
	Scilly (St. Mary's) ... 163	10.0	+8	WS	3	C	60	97	59	8	5	7	-	7-8	10	1200	09.5	-2	SSW	4	C/r	60	92	58	5	5	-	-	9	9	1200	1	70	59	*	-	1	3.5					
	Guernsey ... 175	08.7	+8	SW	3	C	60	97	59	8	5	7	-	7-8	10	1200	09.5	-2	SSW	4	C/r	60	92	58	5	5	-	-	9	9	1200	1	70	59	*	-	1	3.5					
6	Pembroke ... 142	08.7	+8	SW	3	C	60	92	58	8	5	-	-	9+	9+	4000	08.4	+2	SW	4	10	92	59	8	8	4	-	4-6	9	3000	1	65	58	*	Tr	Tr	0.1						
7	Holyhead (Valley) ... 32	06.7	0	SW	4	C	59	92	57	8	5	3	-	1	4-6	2500	06.7	+2	SSW	3	10	97	57	6	5	-	-	10	10	300	1	66	58	55	Tr	Tr	0.1						
	Chester (Sealand) ... 16	07.2	+2	SE	2	C	61	92	58	7	-	3	-	0	10	-	07.4	+2	SE	1	pr	62	85	57	7	3	7	-	7-8	9+	1500	1	69	59	52	2	2	1.1					
8	Manchester ... 235	07.5	-2	SE	2	pr	61	92	60	6	8	-	-	9+	9+	3500	07.7	+6	SW	3	C	62	97	58	6	5	3	-	2-3	4-6	3000	1	67	58	57	6	-	*					
10	Spurn Head ... 29	08.4	0	SW	3	C/r	64	85	61	7	7	2	-	4-6	7-8	2500	07.9	+2	SW	2	C	62	92	58	6	7	7	-	4-6	9+	2500	0	67	59	*	Tr	1.9						
	Catterick ... 175	07.0	+4	SW	1	m	61	92	59	4	5	3	-	4-6	9	3000	06.6	0	WSW	3	C	62	92	55	6	-	3	-	0	7-8	-	68	57	52	0.4	-	0.2						
	Tynemouth ... 108	06.7	-2	SW	3	C	61	92	58	5	8	-	-	7-8	7-8	2500	06.3	+2	SSW	2	C	59	85	57	5	5	-	-	4-6	4-6	2700	1	66	59	52	4	-	*					
11	St. Abbs Head ... 280	04.4	-8	S	3	C	58	92	56	7	5	-	-	7-8	7-8	2500	04.2	+4	S	2	C	59	85	55	7	5	-	-	9+	9+	2500	0	66	58	*	Tr	-	*					
	Leuchars ... 36	03.0	-6	SW	1	C	60	97	59	7	5	7	-	10	10	2000	02.9	+6	WSW	2	C	60	92	58	8	8	3	3	2-3	9+	1600	1	65	59	55	0.3	Tr	0.9					
12	Renfrew (Abbots L.) ... 19	03.4	-2	SSW	2	10	60	85	56	5	5	3	-	7-8	10	2000	04.1	+8	WSW	2	C	53	92	50	8	5	7	2	1	7-8	3000	1	66	53	48	0.2	2	0.0					
	Eskdalemuir ... 794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	04.1	0	SW	4	d.d.	57	92	54	6	5	-	-	10	10	400	1	63	56	53	1	0.2	0.2						
	Point of Ayre ... 30	04.9	0	S	1	C	58	92	56	8	5	5	-	2-3	7-8	2500	05.8	+8	WN	3	C	58	92	56	8	6	7	-	4-6	9+													

SECRET

Page 1

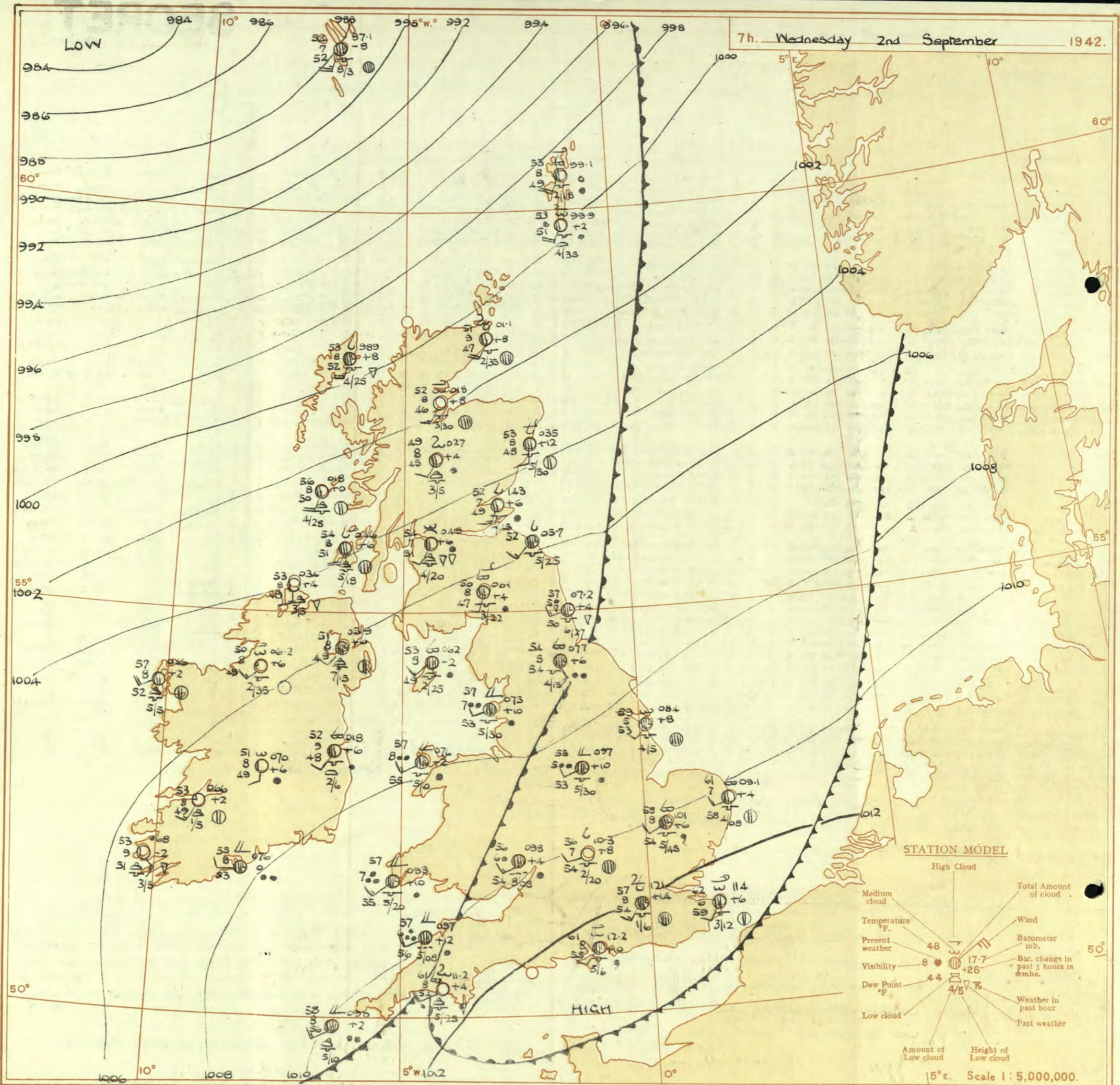
BRITISH SECTION

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

Wednesday 2nd September 1942

No 29504

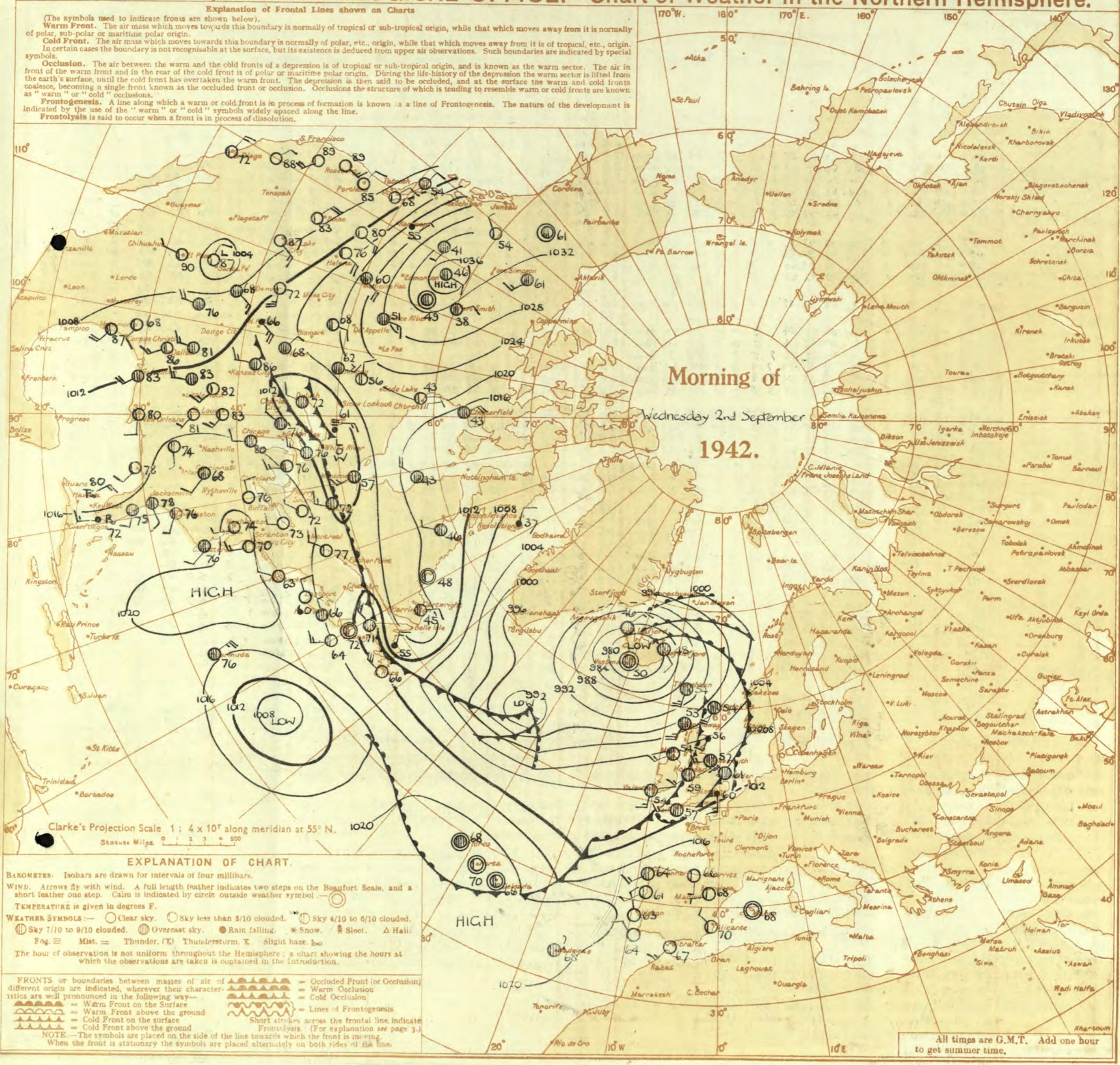
OBSERVATIONS at 13h. G.M.T. 1st September															OBSERVATIONS at 18h. G.M.T. 1st September													PAST 24 HOURS.									
District.	STATIONS.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. °F. (6)	°F. Humid. (7)	Dew Point. °F. (8)	Visibility. (9)	Cloud. (10) (11) (12) (13) (14)					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind. (18) (19)		Weather. (20)	Temp. °F. (21)	°F. Humid. (22)	Dew Point. °F. (23)	Visibility. (24)	Cloud. (25) (26) (27) (28) (29)					WEATHER. (39) (40) (41) (42)							
				Dir. (3)	Force. (4)						Form. (10)	Med. (11)	High. (12)	Low. (13)	Total (14)			Dir. (18)	Force. (19)						Form. (25)	Med. (26)	High. (27)	Low. (28)	Total (29)								
1	London (Kew)	09.7	0	WSW	2	c	70	65	57	8	3	-	7-8	9	2500	11.0	+8	NW	3	c	65	75	58	7	3	-	7-8	9	1500	1	*	cmoc	cbcc	irforio	cmoc		
	Croydon	09.8	-2	WSW	3	c	73	65	60	8	2	6	-	7-8	7-8	2700	11.3	+10	SSW	3	c	64	85	58	8	7	-	7-8	9	1600	0	*	cmoc	cbcc	irforio	cmoc	
	S. Farnborough	10.4	+2	WS	3	bc	71	65	57	9	2	4	-	7-8	7-8	2500	10.9	+4	WS	3	bc	63	85	60	7	5	2	-	9	10	1400	0	*	cmoc	cbcc	irforio	cmoc
	Boscombe Down	11.2	+2	SWW	4	o	66	65	55	8	8	-	-	9	9	2000	10.7	-4	SW	4	o	61	97	60	6	6	2	-	9	10	300	1	*	cmoc	cbcc	irforio	cmoc
	Thorney Island	11.4	+6	WSW	4	bc	70	65	57	9	2	7	-	4-6	4-6	2500	11.7	+2	SW	4	ir	64	85	61	6	5	-	-	10	10	1500	0	*	cmoc	cbcc	irforio	cmoc
	Lymington	11.7	+10	S	3	c	70	75	62	8	2	6	-	7-8	9	2000	13.0	+12	WSW	3	c	64	75	56	8	9	-	6	7	9	4500	0	*	cmoc	cbcc	irforio	cmoc
2	Manston	10.1	+6	WSW	3	c	70	65	59	7	8	6	3	7-8	9	2100	11.2	+12	SW	4	c	67	75	59	8	2	-	6	7	7-8	2500	0	*	cmoc	cbcc	irforio	cmoc
	Shoeburyness	10.2	-4	SW	3	bc	74	65	61	7	7	-	1	4-6	4-6	3000	11.6	+12	SW	4	c	68	75	59	8	5	4	6	2-3	9	4000	0	*	cmoc	cbcc	irforio	cmoc
	Felixstowe	09.2	+6	WS	2	%pr	69	85	63	7	3	7	-	9	9	2000	09.7	+4	SW	3	c	70	75	60	7	7	7	1	4-6	7-8	2500	1	2	cmoc	cbcc	irforio	cmoc
	Gorleston	08.2	0	WSW	2	bc	66	85	63	6	6	-	-	9	9	2000	09.0	+4	WSW	1	bc	71	75	61	7	1	4	-	2-3	4-6	1000	1	2	cmoc	cbcc	irforio	cmoc
	Mildenhall	08.9	+2	WSW	3	c	71	65	59	8	2	6	-	2-3	9	2500	09.2	+2	SWW	3	bc	69	65	57	8	1	6	1	7	4-6	3000	0	*	cmoc	cbcc	irforio	cmoc
	Cranwell	08.1	-2	WSW	3	bc	70	65	58	6	2	-	2	4-6	7-8	4000	08.2	-2	SW	3	bc	66	75	58	7	5	6	-	2-3	2-3	5000	0	*	cmoc	cbcc	irforio	cmoc
3	Birmingham	09.1	+2	SSW	3	c	67	65	55	8	8	7	-	9	9	2500	08.5	-2	SSW	3	c	65	75	57	8	5	7	-	7-8	9	1500	1	*	bc	cbcc	irforio	cmoc
	Upper Heyford	09.5	+2	SW	4	c	69	65	57	8	8	6	-	4-6	7-8	2000	09.3	0	SSW	4	c	65	75	58	8	5	-	-	10	10	1200	1	*	bc	cbcc	irforio	cmoc
	Ross-on-Wye	09.3	0	WSW	3	c	65	75	56	8	8	-	-	9	9	3000	08.6	-6	S	2	c	65	85	61	7	8	3	-	4-6	7-8	3000	1	*	bc	cbcc	irforio	cmoc
	Hartland Point	09.3	-2	W	3	ido	61	97	61	5	5	1	-	9	10	200	09.8	+4	WNW	3	c	60	85	53	9	1	6	1	4-6	7-8	2500	1	3	bc	cbcc	irforio	cmoc
	Bristol	10.5	-2	SSW	2	c	67	75	58	8	7	-	-	9	9	2500	09.6	-6	S	3	c	64	91	62	8	5	3	-	4-6	9	1500	1	*	bc	cbcc	irforio	cmoc
	Portland Bill	11.6	+6	SW	2	c	64	85	61	8	5	-	-	10	10	4000	10.0	-12	S	3	ir	62	85	59	7	5	-	-	10	10	2500	1	2	bc	cbcc	irforio	cmoc
4	Plymouth	10.7	-6	SSW	4	ido	63	97	63	6	5	2	-	7-8	10	800	10.1	0	NW	3	c	65	85	59	8	7	7	-	7-8	9	1500	0	2	bc	cbcc	irforio	cmoc
	The Lizard	09.9	0	NW	1	%r	65	92	63	8	8	-	-	7-8	9	1500	10.7	+4	NW	3	c	61	85	56	8	8	3	-	7-8	7-8	2500	1	3	bc	cbcc	irforio	cmoc
	Scilly (St. Mary's)	10.6	+8	NW	3	c	64	75	56	8	8	4	4	4-6	9	1200	10.9	0	SW	2	c	61	85	56	8	8	3	4	4-6	9	1200	1	2	bc	cbcc	irforio	cmoc
	Guernsey	10.1	+6	W	2	c	60	85	54	8	5	1	-	7-8	9	3000	09.7	-2	WSW	4	c	60	85	53	8	2	7	1	2-3	9	3000	1	2	bc	cbcc	irforio	cmoc
	Pembroke	08.3	+2	WS	3	bc	63	65	52	8	1	4	6	7-8	7-8	3500	08.0	-2	WS	3	c	59	85	54	9	1	7	7	7	9	2500	1	3	bc	cbcc	irforio	cmoc
	Holyhead (Valley)	07.9	-2	NNW	3	c	64	75	56	8	1	-	-	7-8	7-8	1500	08.1	+2	NNW	1	c	60	75	54	8	5	9	8	1	9	4000	1	*	bc	cbcc	irforio	cmoc
5	Chester (Sealand)	07.9	0	SW	3	cpv	62	92	60	7	2	-	-	7-8	7-8	2500	08.3	+6	W	2	c	60	85	56	6	5	7	-	4-6	10	2500	1	*	bc	cbcc	irforio	cmoc
	Manchester	07.9	0	SW	3	cpv	62	92	60	7	2	-	-	7-8	7-8	2500	08.3	+6	W	2	c	60	85	56	6	5	7	-	4-6	10	2500	1	*	bc	cbcc	irforio	cmoc
	Spurn Head	07.9	0	SW	3	c	69	65	57	6	5	2	-	7-8	10	3600	07.8	0	SW	3	c	69	65	57	7	2	3	2	4-6	7-8	4000	0	3	bc	cbcc	irforio	cmoc
	Catterick	07.2	-2	SSW	2	bc	67	65	55	8	2	-	9	4-6	4-6	2500	07.8	+6	WSW	2	c	61	65	50	8	5	7	-	7	9	5000	0	*	bc	cbcc	irforio	cmoc
	Tynemouth	07.1	+4	W	2	c	67	65	55	6	2	3	-	4-6	7-8	2700	06.9	+2	SSW	3	c	64	65	54	6	5	3	-	4-6	7-8	2500	1	3	bc	cbcc	irforio	cmoc
	St. Abbs Head	04.9	+4	NW	1	bc	62	65	52	8	1	7	-	2-3	4-6	5000	05.0	-4	SW	2	c	61	75	52	8	5	7	-	7-8	9	1500	0	3	bc	cbcc	irforio	cmoc
6	Leuchars	04.0	0	SW	4	c	62	65	50	8	2	-	2	4-6	7-8	3000	04.0	-6	SW	3	c	62	65	49	8	-	4	3	0	9	-	0	*	bc	cbcc	irforio	cmoc
	Reitrow (Abbots L.)	05.1	+6	SW	4	bc	61	65	50	8	2	-	5	4-6	7-8	2500	04.8	-2	SW	3	ir	57	85	53	6	8	2	-	7-8	10	2000	1	*	bc	cbcc	irforio	cmoc
	Eskdalemuir	05.2	0	SSW	4	bc	61	75	51	8	7	-	-	7-8	7-8	1800	05.7	-4	SW	4	c	57	85	53	8	9	2	-	7-8	10	1800	1	*	bc	cbcc	irforio	cmoc
	Point of Ayre	06.6	0	W	4	c	66	65	53	8	1	-	4	7-8	7-8	3000	06.4	-6	WSW	4	c	61	75	53	8	4	2	-	7	10	2500	0	3	bc	cbcc	irforio	cmoc
	Tiree	01.8	+6	SW	6	c	58	75	50	8	8	1	-	4-6	9	2000	01.7	-2	SW	5	ir	56	85	51	7	5	2	-	9	9	1800	1	5	bc	cbcc	irforio	cmoc
	Stornoway	07.9	+12	SSW	7	pr	58	85	53	8	8	7	-	7-8	9	1500	08.3	0	SSW	6	%pr	56	85	51	7	5	7	-	7-8	9	2000	1	3	bc	cbcc	irforio	cmoc
7	Dalwhinnie	02.6	+2	SSW	3	bc	60	65	47	8	8	-	1	2-3	4-6	2500	03.0	0	S	3	c	54	75	46	8	5	4	1	4-6	7-8	2500	0	*	bc	cbcc	irforio	cmoc
	Aberdeen	05.1	+2	SW	4	bc	65	55	48	8	1	4	8	1	7-8	4000	03.5	+8	SSW	2	c	62	65	49	8	4	7	8	7	9	3500	0	2	bc	cbcc	irforio	cmoc
	Wick	00.9	0	SW	2	c	61	75	53	9	8	7	6	2-3	9	5000	01.9	+10	SSW	2	c	58	85	52	9	8	7	-	4-6	9	3000	0	*	bc	cbcc	irforio	cmoc
	Sumburgh	01.0	+6	SW	3	c	59	85	53	8	5	8	3	4-6	9	3000	01.7	+2	S	3	bc	56	85	52	8	5	-	8	4-6	7-8	3000	0	2	bc	cbcc	irforio	cmoc
	Blackad Point	05.3	+2	SW	5	pr	57																														



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



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

EXPLANATION OF CHART.

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

FRONTS or boundaries between masses of air of different origin are indicated, wherever their characteristics are well pronounced in the following way—
 — Warm Front on the surface
 — Warm Front above the ground
 — Cold Front on the surface
 — Cold Front above the ground
 — Occluded Front (or Occlusion)
 — Warm Occlusion
 — Cold Occlusion
 — Lines of Frontogenesis
 Short strokes across the frontal line indicate Frontolysis. (For explanation see page 3.)
NOTE.—The symbols are placed on the side of the line towards which the front is moving. When the front is stationary the symbols are placed alternately on both sides of the line.

All times are G.M.T. Add one hour to get summer time.

SECRET

Thursday 3rd September 1942

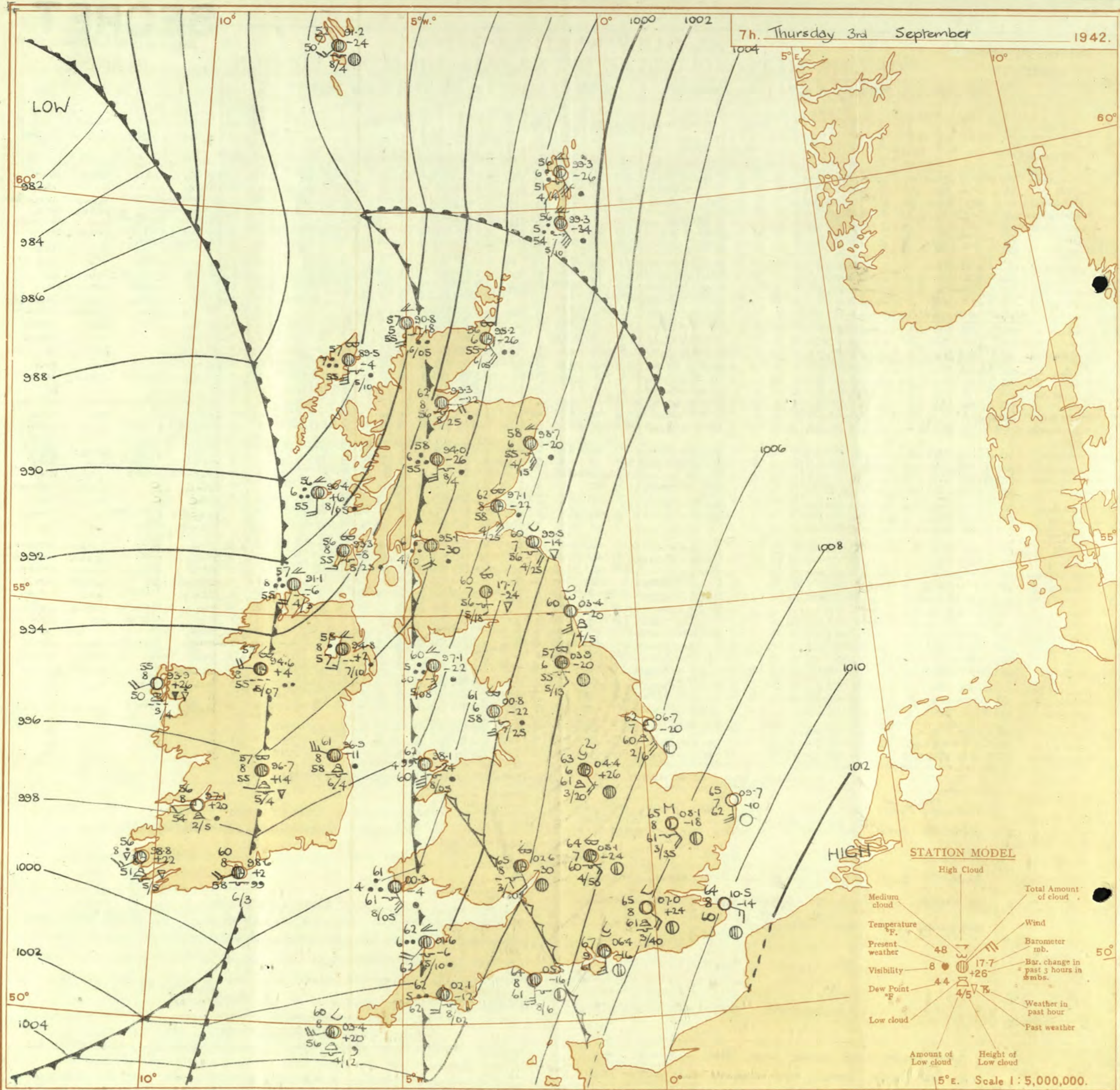
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Page 1

BRITISH SECTION

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

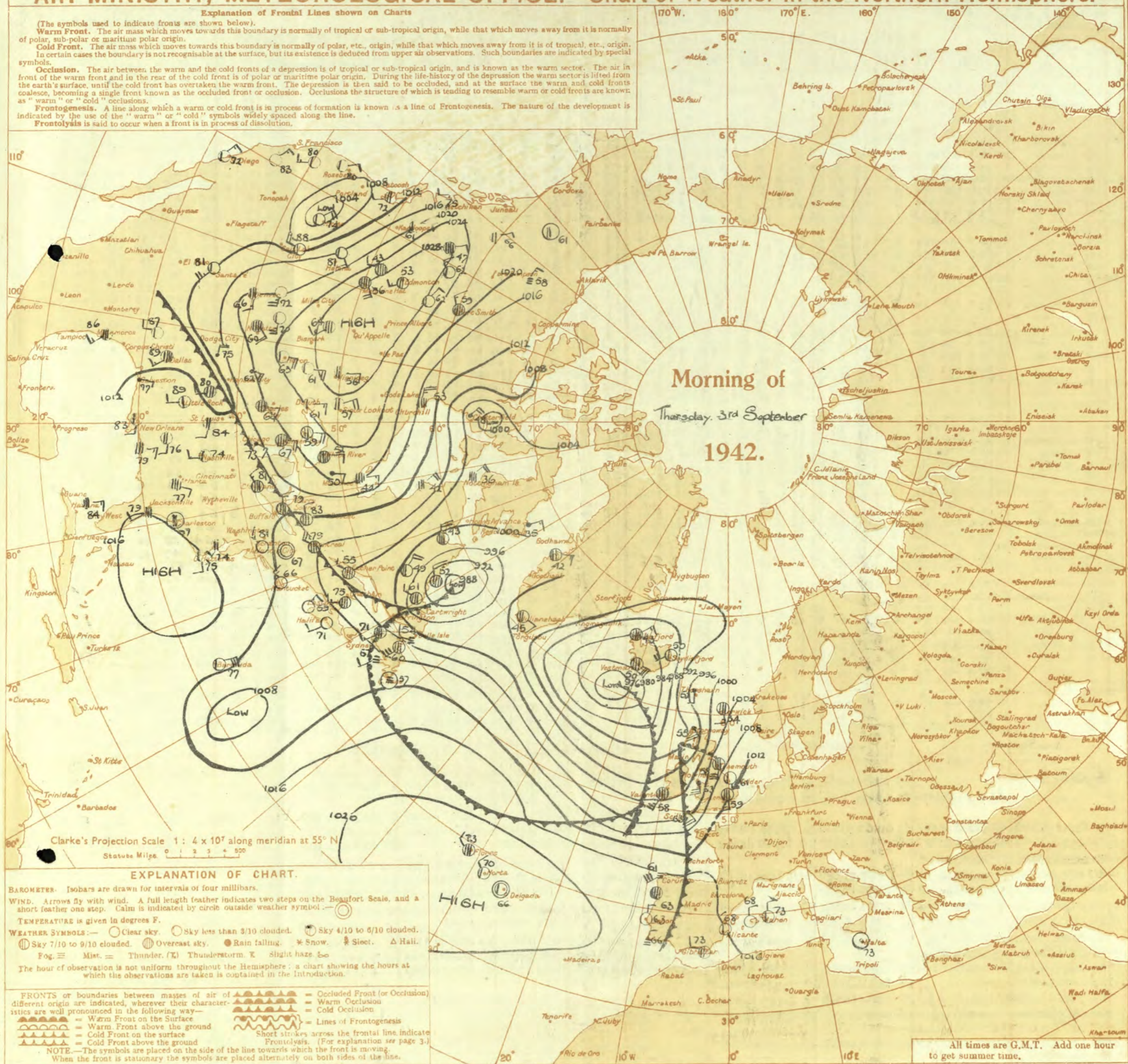
OBSERVATIONS at 13h. G.M.T. 2nd September															OBSERVATIONS at 18h. G.M.T. 2nd September															PAST 24 HOURS.							
DISTRICT.	STATIONS.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.					State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.					
				Dir. (3)	Force. (4)						Form. (10)	Amount. (11)	Height of Base (feet) (12)	Low 0-10 (13)	Total 0-10 (14)			Dir. (18)	Force (19)						Form. (25)	Amount (26)	Height of Base (feet) (27)	Low 0-10 (28)	Total 0-10 (29)			7h.-13h. ...2nd... (39)	13h.-18h. ...2nd... (40)	18h.2nd to 1h. 3rd (41)	1h.-7h. 3rd (42)		
1	London (Kew)	12.8	-8	SSW	4	pr	67	65	54	8	3	8	7.8	9	1300	12.9	0	SSW	2	bc	64	75	55	8	5	3	-	4.6	4.6	2500	1	*	eproc	bc	bbeu	beew	
	Croydon	12.6	-6	SSW	3	c	68	65	54	8	4	8	3	1	3000	13.4	+2	SSW	2	bc	64	75	56	8	5	8	9	2.3	4.6	2500	0	*	cbcc	c	ebbcw	ebbcw	
	S. Farnborough	12.7	-2	SSW	3	c	70	65	54	8	7	3	-	2.3	9	4000	12.8	-2	SE	2	bc	65	65	55	8	1	4	-	2.3	2.3	3500	0	*	cidobccy	eyebc	bhem.	bemowbec
	Boscombe Down	11.6	-12	SW	3	c	66	65	54	8	5	7	-	7.8	9	2000	12.5	-2	S	3	bc	62	75	53	9	5	8	-	4.6	7.8	3000	0	*	cddeproc	c	bcbec	bcbec
	Thorney Island	13.4	0	S	3	c	66	75	56	9	2	5	-	2.3	7.8	4000	13.1	-2	S	3	bc	64	75	53	9	1	3	3	0	-	0	*	obccbc	bcbcb	bcbcb	bcbcb	
	Lymington	15.0	+4	SW	3	c	67	65	56	8	1	8	1	7.8	9	2400	14.9	+2	S	2	b	63	85	58	8	1	4	-	Tr	Tr	2000	0	*	cbccy	cbcbcb	cbcbcb	cbcbcb
	Manston	13.7	+4	SW	3	c	67	65	54	8	1	8	6	2.3	9	2500	13.9	+6	SSW	1	bc	65	75	58	8	1	4	-	Tr	2.3	2500	0	*	cnobccy	cbc	bcbcb	bcbcb
2	Shoeburyness	13.4	-4	SSW	4	c	70	65	56	8	7	7	1	2.3	7.8	3000	14.1	+4	SSW	3	bc	66	75	56	8	-	7	-	0	2.3	-	0	*	c	cbk	bcb	bub
	Felixstowe	12.7	+2	S	4	c	70	55	55	8	7	7	-	9	9	2500	13.0	+2	S	4	bc	67	65	57	7	5	7	6	2.3	4.6	4000	0	3	cbccy	eyebc	bcb	bbe
	Gorleston	11.1	+4	W	3	pr	66	65	55	7	2	-	-	10	10	3500	13.4	+6	SE	2	c	65	75	57	7	8	7	1	2.3	7.8	2000	0	2	cbccy	eyebc	bcb	bbe
	Mildenhall	12.6	+8	WSW	3	c	63	75	56	8	8	7	2	4.6	9	3000	12.7	0	-	0	c/r	65	75	56	8	5	3	4	1	9	4000	0	*	ccilo	ciloc	cib	bcbcb
	Cranwell	12.0	+16	SW	3	c	61	85	55	7	7	7	-	2.3	9	2000	11.6	+2	SSW	2	bc	64	75	55	7	-	6	8	0	4.6	-	0	*	crrmo	cbc	cbcbmo	cbcbmo
3	Birmingham	11.5	+8	SSW	3	c	60	85	56	8	7	-	9	9	2500	11.5	0	SSE	2	c	61	75	53	7	5	7	-	9	10	2500	1	*	orrc	cbcc	bcb	bcb	
	Upper Heyford	12.3	+6	SW	3	c	60	85	56	8	6	7	-	7.8	9	600	12.1	+2	ESE	1	c	62	85	57	7	5	7	-	5	9	3500	1	*	cciloc	c	bcb	bcb
4	Ross-on-Wye	11.3	+4	SW	3	c	63	75	56	8	9	3	-	2.3	7.8	2500	10.8	-4	S	2	c	63	75	56	7	5	7	-	4.6	9	3000	1	*	riloc	c	bcb	bcb
5	Hartland Point	10.5	+6	SW	2	c	63	85	58	8	8	4	-	4.6	9	1200	10.3	-10	SSE	4	c	61	92	58	8	8	3	-	7.8	9	2500	1	3	c/r	c	bcb	bcb
	Bristol	12.5	0	SW	2	pr	62	85	57	8	8	4	-	9	9	2500	11.9	-4	SW	3	c	63	75	55	8	5	7	-	7.8	10	5700	1	*	c/r	c	bcb	bcb
	Portland Bill	12.4	-2	S	3	c	62	92	59	8	2	4	-	4.6	9	4000	11.8	-4	S	3	c	62	92	60	8	5	2	-	7.8	10	4000	1	3	c	c	bcb	bcb
	Plymouth	12.1	+4	S	3	c	63	85	59	8	8	7	-	4.6	9	2500	10.5	-10	SSE	4	c	61	97	61	7	5	7	-	4.6	9	800	1	3	pr	cdcc	cdcc	cdcc
	The Lizard	10.4	-8	SE	5	pr	63	92	61	8	2	-	7.8	10	1500	10.8	-12	SW	4	c	63	92	61	8	8	6	-	4.6	7.8	1500	1	4	cpr	r	cpr	cpr	
	Seilly (St. Mary's)	08.7	-8	SE	4	id	64	97	63	5	5	-	-	10	10	200	06.6	-8	SSE	5	ifo	64	97	63	6	5	2	-	7.8	10	200	1	4	c/r	id	bcbcb	bcbcb
	Guernsey																																				
6	Pembroke	10.4	+2	SE	4	c	61	85	58	8	8	-	-	9	9	2500	07.7	-10	SE	6	cq	60	97	60	7	8	-	10	10	1500	1	4	irc	c	pccq	pccq	
7	Holyhead (Valley)	09.6	+6	SW	4	bc	62	75	53	9	2	4	-	2.3	2.3	3000	08.5	-8	SE	3	c/r	61	92	58	9	5	7	-	9	9	4000	1	3	rrrbc	bcbpr	cmr	bcbpr
	Chester (Sealand)	09.5	+4	SW	2	c	66	65	58	9	2	6	-	4.6	9	3000	09.7	+10	SSE	1	pr	65	65	54	8	8	6	6	4.6	9	2000	1	*	c/r	c	bcb	bcb
8	Manchester	10.2	+10	SW	4	c	62	75	54	8	2	6	-	7.8	9	2500	10.3	+2	S	3	c	62	75	56	8	2	6	-	7.8	9	2500	1	*	riloc	c	bcb	bcb
10	Spurn Head	10.8	+4	SW	3	c	62	85	56	7	7	7	-	4.6	9	2500	11.7	+10	SW	3	c	63	75	55	7	7	3	-	4.6	7.8	4000	0	3	cloc	c	bcb	bcb
	Catterick	09.8	+8	SW	2	pr	60	75	52	7	8	7	-	4.6	9	800	10.4	+4	SW	2	bc	61	65	50	8	1	-	6	1	4.6	3000	0	*	c/r	cpr	cpr	cpr
	Tynemouth	08.9	+2	WSW	3	c	63	55	48	6	8	-	-	9	9	2700	09.7	+4	SW	3	bc	63	85	58	7	7	3	2	4.6	4.6	3700	1	2	epoemo	cbcc	bcb	bcb
11	St. Abbs Head	06.6	0	SW	4	bc	63	55	48	8	5	4	-	2.3	4.6	4000	07.3	+4	SW	3	bc	60	65	48	8	5	4	-	4.6	4.6	3000	0	3	cbc	cbc	bcb	bcb
	Leuchars	05.9	+8	W	4	c	62	65	49	8	2	6	-	4.6	9	3000	07.0	+6	SW	3	c	61	55	47	8	4	6	2	2.3	9	4100	0	*	bcc	cbccy	bcb	bcb
12	Renfrew (Abbots I.)	07.2	+12	SW	3	bc	62	65	49	8	2	-	-	4.6	4.6	2500	06.8	-2	SW	3	c	62	55	48	8	1	1	5	2.3	9	2500	1	*	ebcc	bcb	bcb	bcb
	Eskdalemuir	07.4	+6	SW	3	bc	57	85	51	8	8	7	-	7.8	7.8	1800	08.1	+6	SSW	4	bc	57	75	50	8	7	-	9	2.3	4.6	1800	1	*	cpr	bc	bcb	bcb
	Point of Ayre	08.8	+8	WSW	4	bc	66	55	50	8	1	-	-	2.3	2.3	2500	08.2	-4	SSW	4	c	59	85	53	8	2	4	3	1	9	1600	0	3	cbccy	bcb	bcb	bcb
13A	Tiree	03.7	+8	SSW	5	bc	60	75	53	8	8	3	-																								



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(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
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Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.Thursday 3rd September 1942
No. 29505

OBSERVATIONS at 1 hr. G.M.T. 3rd September																	OBSERVATIONS at 7 hr. G.M.T. 3rd September																	PAST 24 HOURS.										
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.				Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.				Barom. at M.S.L. mb. (31)	State of Ground. 0-9 (32)	TEMPERATURE.					RAINFALL.			Sun-shine 2nd Hrs. (38)					
					Direc. (3)	Force. (4)						Form. (10)	Amount. (11)		Height of Base. (feet) (15)			Direc. (18)	Force. (19)						Form. (25)	Amount. (26)		Height of Base. (feet) (30)			Sea. 0-9 (33)	Max. Day 7h-18h °F. (34)	Min. Night 18h-7h °F. (35)	Min. on Grass °F. (36)	Day 7h-18h mm. (37)	Night 18h-7h mm. (37)								
													Low. (12)	Med. (13)												High. (14)	Low. (27)										Med. (28)	High. (29)						
1	London (Kew) ...	18	29.0	12.2	-16	SSE	3	c	59	92	56	7	5	-	7-8	7-8	3000	06.1	-2.0	SSE	4	bc	66	85	59	8	5	-	4-6	4-6	3500	1	69	55	4.6	Tr	-	5.5						
	Croydon ...	290	12.2	-16	SSE	3	c	59	92	56	7	5	-	-	7-8	7-8	3000	07.0	-2.4	SE	4	bc	66	85	59	8	5	-	4-6	4-6	3500	1	69	55	4.6	Tr	-	5.5						
	S. Farnborough ...	226	11.0	-18	ESE	2	c	57	92	55	6	5	3	-	2-3	7-8	1800	05.9	-2.4	SE'S	3	bc	65	85	61	8	4	-	2-3	2-3	4000	0	71	56	5.1	Tr	-	8.4						
	Boscombe Down ...	417	10.2	-24	SE/E	4	c	59	92	57	8	5	7	-	7-8	9	3000	05.5	-2.0	SE'S	4	c	65	85	60	8	5	7	-	4-6	9	2500	0	70	56	5.1	0.1	Tr	6.1					
	Thorney Island ...	10	11.1	-18	E'S	3	bc	61	92	59	8	5	-	-	1	4-6	2500	06.4	-1.6	S	5	c	67	85	61	9	-	9	-	0	9	-	0	68	56	5.3	0.4	Tr	1.2					
	Lymington ...	283	14.3	-10	ESE	2	bc	60	97	60	8	5	-	-	3	0	4-6	-	10.5	-1.4	ESE	3	bc	64	85	60	8	-	9	-	0	0	-	0	68	57	5.4	-	-	*				
	Manston ...	154	12.8	-16	SE/E	1	b	62	92	60	7	5	2	-	1	1	2500	09.5	-1.4	SSE	2	b	65	85	61	8	-	7	-	0	1	-	0	79	58	4.9	-	-	9.0					
2	Shoeburyness ...	11	*	*	*	*	*	*	*	*	*	*	*	*	*	09.5	-2.0	SSE	5	b	67	85	62	8	-	-	-	0	0	-	0	74	61	51	-	-	-	10.2						
	Felixstowe ...	12	12.9	-10	SE'S	3	b	65	85	60	7	-	-	-	0	0	-	03.5	-1.4	SE	5	bc	68	85	64	7	5	-	4-6	4-6	5700	0	72	64	57	Tr	-	9						
	Gorleston ...	5	12.8	-10	SSW	3	b	61	92	58	7	-	-	-	0	0	-	09.7	-1.0	S	5	b	65	92	62	7	5	-	0	0	-	0	67	62	59	Tr	-	3.2						
	Mildenhall ...	15	11.9	-8	S'E	3	b	58	85	54	7	-	-	-	0	0	-	08.1	-1.8	SE'S	4	bc	65	85	61	8	5	8	-	2-3	2-3	3500	0	69	56	51	0.2	Tr	3.5					
	Cranwell ...	203	10.3	-18	SSE	3	20	56	92	54	6	-	3	-	0	1	-	06.3	-2.0	SE'S	4	20	58	97	57	6	5	-	2-3	2-3	600	0	65	64	55	1	-	2.9						
3	Birmingham ...	535	*	*	*	*	*	*	*	*	*	*	*	*	*	03.4	-2.2	SE	4	c	63	85	59	8	9	9	-	Tr	7-8	4000	1	63	55	49	6	-	0.1	0.2						
	Upper Heyford ...	408	10.5	-14	S'E	1	bc	56	92	54	7	-	4	6	0	2-3	-	05.1	-2.4	SE	3	c	64	85	60	7	5	7	1	4-6	9	5000	0	63	55	53	1	-	0.2					
4	Ross-on-Wye ...	223	*	*	*	*	*	*	*	*	*	*	*	*	*	02.6	-3.0	S'E	4	c	65	85	60	8	5	7	-	2-3	9+	3000	1	65	59	56	5	Tr	-	1.0						
5	Hartland Point ...	299	05.3	-18	SE	5	c	64	75	59	8	5	-	-	7-8	7-8	2500	01.6	-6	SW	4	rr	62	97	62	6	5	2	-	7-8	10	4000	1	63	61	60	3	2	0.1					
	Bristol ...	209	09.4	-20	ESE	2	bc	59	92	57	7	-	3	-	0	2-3	-	04.4	-1.4	S	3	rr	62	95	61	8	6	7	-	Tr	10	1500	1	65	57	54	2	Tr	0.1					
	Portland Bill ...	32	08.8	-24	E	4	c	62	92	60	8	5	-	-	7-8	7-8	4000	05.5	-1.6	S	5	c	64	95	64	8	5	-	-	10	10	4000	1	62	58	59	1	3	0.3					
	Plymouth ...	82	06.8	-22	SE	5	c	65	85	60	7	5	7	-	4-6	9	2000	02.1	-1.2	S'W	4	rr	62	97	62	5	5	-	-	10	10	200	1	63	58	59	1	3	0.3					
	The Lizard ...	240	04.8	-20	S'E	4	pr	63	85	60	8	8	2	-	9	10	1500	02.7	-1.0	WNW	6	bc/r	60	97	60	8	8	4	-	4-6	4-6	1500	1	65	59	59	1	4	1.9					
	Scilly (St. Mary's) ...	163	02.4	-26	SE'S	4	rr	63	97	62	6	5	2	-	7-8	10	500	03.4	+2.0	WSW	5	c	60	85	56	8	8	4	-	4-6	7-8	1200	1	68	59	51	1	1	1.6					
	Guernsey ...	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
6	Pembroke ...	142	03.5	-24	SE'S	6	c/r	62	97	60	7	6	7	-	7-8	9+	2000	00.3	-4	SSW	5	rr	61	97	61	4	5	-	-	-	-	1	63	58	59	2	1	0.3						
7	Holyhead (Valley) ...	32	03.6	-18	SSE	7	rr	63	85	59	7	5	-	-	9	10	2000	08.1	-2.4	S	7	do	62	92	60	4	5	-	-	-	-	1	64	60	59	0.4	1	0.3						
	Chester (Sealand) ...	16	06.9	-14	SE	3	c	60	85	55	7	5	7	-	4-6	9+	5700	01.3	-3.0	ESE	3	c/pr	61	85	57	8	5	3	2	4-6	9+	5000	0	69	59	54	1	Tr	0.8					
8	Manchester ...	235	08.1	-16	SE	4	bc	59	85	55	6	5	3	-	2-3	4-6	4000	02.6	-2.6	SSE	6	pr	64	85	58	8	1	3	-	2-3	7-8	2500	1	63	59	54	1	-	*					
10	Spurn Head ...	29	10.7	-10	S'E	5	bc	61	85	57	7	-	3	1	0	2-3	-	06.7	-2.0	SSE	5	b	62	92	60	7	2	-	-	-	-	1	4000	0	66	58	54	1	-	1.5				
	Catterick ...	175	07.9	-22	SSW	3	20	57	92	55	5	-	7	-	0	9	-	03.9	-2.0	SSE	2	20	57	92	55	6	5	7	-	7-8	9+	1300	0	64	54	48	Tr	-	3.1					
	Tynemouth ...	108	07.7	-20	SSE	5	20	58	85	54	6	5	-	-	9	9	2500	03.4	-2.0	S	5	c/r	60	85	54	6	2	3	-	4-6	7-8	2500	1	64	56	54	0.1	-	*					
11	St. Abbs Head ...	280	04.4	-32	S	5	c	56	85	52	7	6	-	-	9+	10	2500	09.5	-1.4	SE	4	c	60	85	56	7	5	4	1	4-6	7-8	2500	0	64	53	54	-	0.2	*					
	Leuchars ...	36	03.6	-32	NE	2	rr	55	92	52	6	-	2	-	10	10	5000	07.1	-2.2	SSE	4	c	62	85	58	8	5	7	8	4-6	9+	2500	1	66	55	45	-	2	10.2					
12	Renfrew (Abbots L.) ...	19	02.3	-34	ESE	3	rr	57	92	55	6	5	2	-	9	10	1800	05.1	-3.0	SSE	4	rr	61	92	58	5	5	-	-	-	-	1	64	55	50	-	4	8.6						
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*</												

SECRET

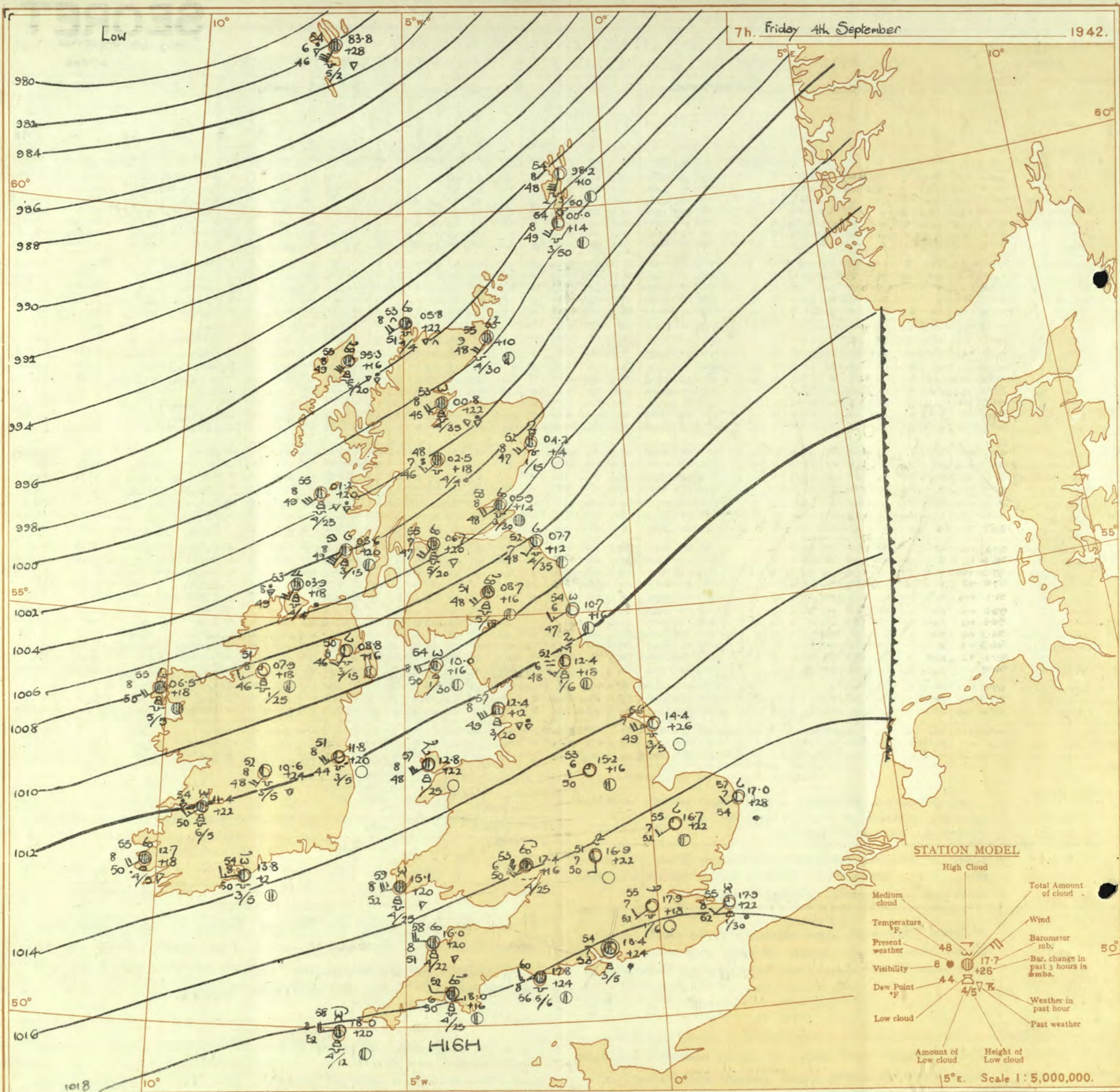
Page 1

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

Friday 4th September 1942

No. 29506

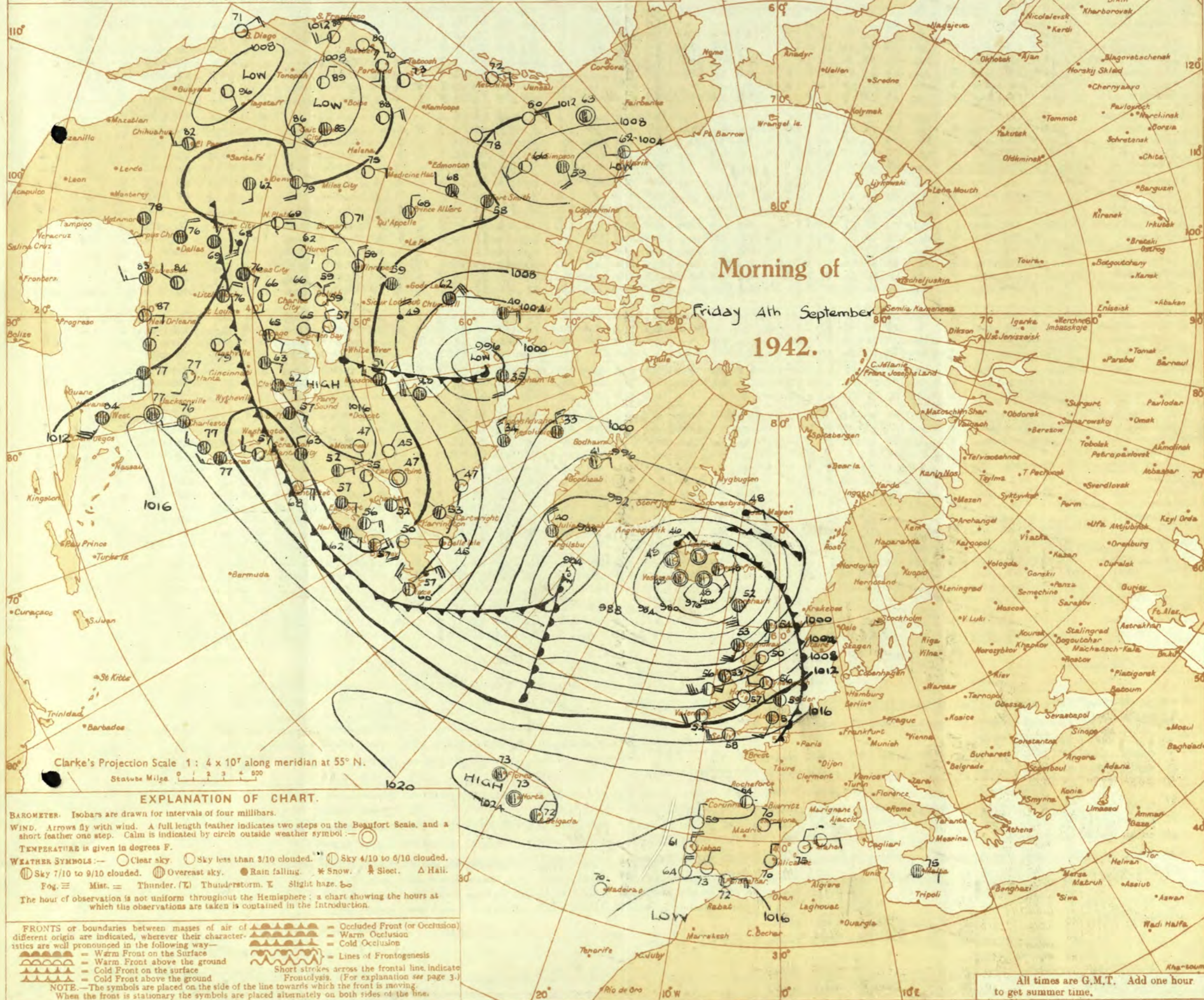
OBSERVATIONS at 13h. G.M.T. 3rd September															OBSERVATIONS at 18h. G.M.T. 3rd September															PAST 24 HOURS.									
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.					State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.							
				Dir.	Force. 0-12 (4)						Form.	Amount.			Dir.			Force. 0-12 (19)	Form.						Amount.			Height Base (feet) (30)	7h.—13h. 3rd (39)			13h.—18h. 3rd (40)	18h.—24h. 4th (41)	1h.—7h. 4th (42)					
												Low.	Med.	High											Low	Med.	High								Low	Med.	High		
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	05.4 06.0 05.7 06.1 07.4 09.5 07.6	+2 +2 +10 +16 +16 -6 -6	SW SW SW W'S WSW W SSW	5 4 4 4 5 5 5	dd dd dd c c c c	66 64 65 67 68 67 71	85 87 82 75 83 83 75	53 63 64 59 64 62 61	7 5 6 8 8 5 7	- 2 1 3 - - -	10 9 9 1 4 10 9	10 10 10 7-8 7-8 700 9	2500 600 1000 1500 1500 700 1800	10.2 10.1 10.1 10.4 11.4 13.0 11.0	+28 +22 +26 +18 +20 +22 +20	SW SW SW WSW WSW WSW WSW	4 4 5 4 5 4 5	ft. ft. ft. ft. ft. ft. ft.	64 62 62 59 63 63 65	85 97 92 92 92 85 75	61 61 66 58 61 65 83	7 6 6 6 6 7 7	5 6 6 5 5 5 1	7 2 2 2 - 9 9	- - - - - - -	7-8 9 9 9 10 9 9	9 10 10 10 10 9 9	800 500 600 800 150 900 2500	1 1 1 1 1 0 0	*	*	*	*	*	ivddiddd bccivcDD crsdmo cd,dc,mo cr,mo cd,ir,mo cd,ir	cdtt cd cd,ir errmo errmo errmo errmo	cr,cm cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bbmow bem,ub bbmow bbmow cr,mc cr,mc errmo
2	Shoeburyness Felixstowe Gorleston Mildenhall Cranwell	06.9 06.3 05.4 04.2 02.8	-10 -2 -24 +14 -16	SW SSE S S SE	5 6 6 4 4	c c c c c	70 71 67 68 66	85 75 85 85 85	64 63 62 63 63	8 5 6 5 7	7 - - - -	- 10 9 7-8 9	9 10 9 10 10	2500 1500 2000 1200 1600	10.9 08.9 07.8 07.5 08.9	+20 +22 +24 +24 +18	SW SW SW SW SW	5 5 4 5 4	c c c c c	46 68 69 69 64	85 75 75 75 83	60 59 62 59 60	7 5 7 8 7	5 5 7 7 5	1 3 7 - 7	- 6 - - -	9 2-3 4-6 3 9	9 7-8 9 9 10	2500 1000 2000 3000 1500	0 0 0 1 1	*	*	*	*	*	bb,iv cr,mo bc,pr cd,dc,mo cr,mo	c c c cd,cr cd,cr	cr,mc cr,mc cr,mc cr,mc cr,mc	cr,cb cr,cb cr,cb cr,cb cr,cb
3	Birmingham Upper Heyford	02.3 02.7	0 +6	SSW W'S	3 3	py py	66 65	92 92	64 63	8 9	7 -	7-8 10	9 500	1500 500	07.1 08.1	+10 +20	SW WSW	3 5	c/t id	59 61	85 85	55 57	8 7	8 5	2 2	- - - - -	4-6 7-8 7-8 7-8 7-8	9 10 10 10 10	1000 300	1 1	*	*	*	*	*	cr cd,dc,mo cd,dc,mo cd,dc,mo cd,dc,mo	cd cd cd cd cd	pb pb pb pb pb	bb bb bb bb bb
4	Ross-on-Wye	02.7	+14	SW	4	c	68	75	57	8	5	7	2	4-6	9	3000	08.2	+30	SW	2	c	59	85	54	8	6	7	-	7-8	10	1800	1	*	cd,dc,mo cd,dc,mo cd,dc,mo cd,dc,mo cd,dc,mo	cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc	bbmow bbmow bbmow bbmow bbmow		
5	Hartland Point Bristol Portland Bill Plymouth The Lizard Scilly (St. Mary's) Guernsey	04.9 05.9 08.3 07.2 06.2 06.8 06.8	+12 +24 +30 +14 +8 +20 +20	W W'S SW SW SW WSW WSW	5 5 5 5 5 4 4	iv c c c c c c	61 69 62 62 63 63 62	75 75 85 85 85 85 85	53 59 59 61 62 62 62	7 8 7 6 7 7 7	- - - - - - -	10 9 10 10 10 10 10	1000 2500 2500 200 1000 1000 1000	08.6 09.9 10.5 10.5 10.7 10.3 10.3	+18 +22 +12 +12 +4 +20 +20	WSW WSW SW SW W WSW WSW	5 3 5 3 4 4 4	c c ft c c c c	60 59 60 60 59 62 62	85 85 85 85 85 85 85	53 55 56 53 53 57 57	7 5 5 5 8 8 8	1 7 - - - - 2	- 9 10 10 9 7 2	2-3 9 10 10 9 9 9	2000 1500 2500 2000 1500 1200 1200	1 1 1 1 1 0 0	5 6 2 4 A A	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb							
6	Pembroke	04.1	+14	W	5	py	61	75	53	7	5	-	10	10	1000	07.5	+10	SW	6	c	61	75	54	8	6	4	-	7-8	10	1800	1	4	cr,mo c cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb			
7	Holyhead (Valley)	01.0	+14	SW	6	c	63	85	59	8	5	7	2	2-3	9	800	04.9	+18	SW	6	c	61	75	53	8	-	8	8	0	9	-	1	4	cr,mo c cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb		
8	Chester (Sealand)	01.2	+6	SW	3	c	71	65	57	9	4	8	7-8	9	2500	08.4	+24	SW	3	c	61	65	49	8	5	7	-	7-8	9	2500	0	*	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb			
10	Spurn Head Catterick Tynemouth	03.5 00.5 09.7	-6 -10 -12	SE SE S	5 4 5	iv iv c/pr	65 64 60	92 92 85	63 63 56	7 4 6	2 2 -	- - -	4-6 7-8 9	10 800 2200	04.5 03.8 01.6	+12 +22 +14	SW W SW	4 3 4	c c c	68 62 65	75 65 75	60 50 57	7 8 7	4 5 8	3 7 3	- 9 -	4-6 2-3 7-8	9 9 7-8	2500 1000 2700	0 0 1	3 *	cr,mo cr,mo cr,mo	cd cd cd	cr,mc cr,mc cr,mc	bb bb bb				
11	St. Abbs Head Leuchars	07.2 06.6	-6 +6	SSW SW	3 3	py py	60 64	97 85	60 56	7 6	- 2	- 7-8	9 1200	1500 1200	09.1 07.9	+12 +12	SSW SW	4 3	c bc	63 62	75 65	54 49	8 8	2 2	4 4	- 9	7-8 7-8	2000 3000	0 1	4 *	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb					
12	Renfrew (Abbots L.) Eskdalemuir Point of Ayre	07.3 07.5 08.7	+16 +2 +10	SSW SSW W'S	2 5 5	iv iv c	60 59 65	75 85 75	52 54 52	8 6 8	- - -	- - -	4-6 10 9	7-8 400 3000	09.0 00.7 02.2	+12 +18 +14	SW SW WSW	3 4 4	bc bc c	61 57 62	63 75 65	47 48 49	8 8 8	5 5 7	4 1 8	- 2-3 4-6	4-6 2100 3000	2 1 0	*	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb						
13A	Tiree	03.5	+12	SW	6	bc	60	65	45	8	2	4	1	2-3	2-3	2500	05.1	+10	SSW	6	bc	57	75	49	8	-	8	4-6	7-8	2500	0	5	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb			
13B	Stornoway	00.5	+12	SSW	6	c	59	75	51	8	2	4	-	4-6	7-8	2500	00.8	-2	3	7	bc	57	75	49	8	2	4	-	2-3	2-3	2500	1	5	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb		
15	Dalwhinnie Aberdeen Wick Sumburgh	04.2 06.3 05.8 06.0	+4 -8 +2 -12	SW S SSW NW	3 5 5 6	c c c c	65 58 59 57	92 87 85 97	53 58 55 56	7 5 5 6	- 2 7 -	- 7-8 4-6 7-8	9 800 2500 700	2500 800 2500 2500	06.2 07.2 04.7 05.3	+6 +12 +6 0	SSW SW SW SSW	3 3 3 5	bc c c c	55 62 59 56	63 55 75 97	42 48 51 56	8 8 8 5	5 4 7 -	3 6 2-3 10	2-3 7-8 2-3 10	2500 1500 1500 200	1 1 1 1	*	cr,mo cr,mo cr,mo cr,mo	cd cd cd cd	cr,mc cr,mc cr,mc cr,mc	bb bb bb bb						
17	Blackod Point	05.8	+10	SW	5	c/pr	60	75	49	8	3	-	7-8	7-8	2500	09.1	+22	SW	6	bc	57	75	49	8	2	-	-	4-6	4-6	1500	1	5	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb			
18	Malin Head Aldergrove	05.0 07.6	+12 +10	SW SSW	4 3	c c	61 61	65 55	47 53	8 8	2 -	- 6	4-6 4-6	2500 2200	07.4 00.9	+20 +24	WSW SW	5 5	pr bc	56 56	75 65	48 46	8 9	8 2	- 2	- 4	- 2-3	7-8 2-3	2500 3000	1 1	*	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb				
19	Birr Castle	00.0	0	SW	4	c/pr	62	65	47	8	3	8	2-3	7-8	1500	03.7	+10	WSW	5	bc	58	65	47	8	3	8	-	2-3	4-6	1500	1	*	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb			
20	Valencia Obey Rothes Obey	02.4 03.2	+14 +18	SW W'S	4 4	c/pr c/pr	59 60	75 75	47 49	8 8	- -	- 5	2-3 2-3	9 4-6	2500 2500	06.0 06.4	+18 +24	WSW WSW	4 4	c/pr bc	57 60	65 65	47 48	8 2	- -	- -	4-6 4-6	4-6 4-6	2500 2500	1 1	5 5	cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo cr,mo	cd cd cd cd cd cd cd	cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc cr,mc	bb bb bb bb bb bb bb				



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions of the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



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

Friday 4th September 1942

No. 29506

OBSERVATIONS at 1 hr. G.M.T. 4th September																	OBSERVATIONS at 7 hr. G.M.T. 4th September																	PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °

SECRET

Saturday 5 September 1942

No. 29501

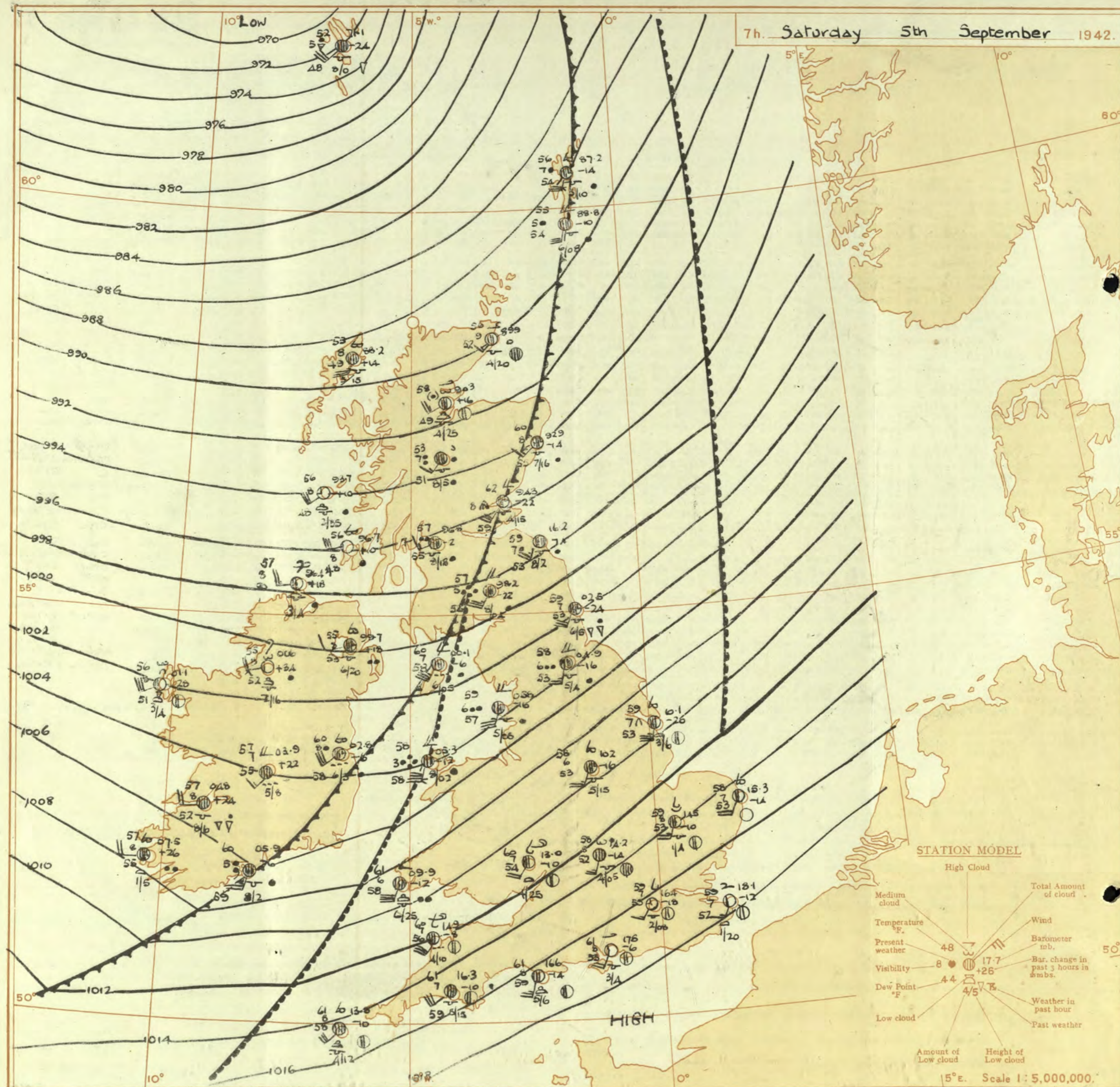
Page 1

BRITISH
SECTIONTHE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.OBSERVATIONS at 13h. G.M.T. 4th SeptemberOBSERVATIONS at 18h. G.M.T. 4th September

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours (2)	Wind.		Weather.	Temp. °F. (6)	°C. (7)	Dew Point. °F. (8)	°C. (9)	Cloud.			Barom. at M.S.L. (16)	Change in 3 hours (17)	Wind.		Weather.	Temp. °F. (21)	°C. (22)	Dew Point. °F. (23)	°C. (24)	Cloud.			Barom. at M.S.L. (31)	Change in 3 hours (32)	Sea.		WEATHER.																			
				Direc.	Force.						Form.	Amount.	Height of Base (feet)				Direc.	Force.					Form.	Amount.	Height of Base (feet)						7h.—13h. A	13h.—18h. A	18h.—4 th A to 5 th	4 th —5 th A															
1	London (Kew)	20.1	+4	SW	3	c	65	55	49	8	8	-	6	4.6	9.1	2500	20.7	+4	SW	4	c	63	55	53	8	8	4	0	1	7.8	2500	0	*	bccy	bccy	cbcbw	bcbw												
	Croydon	19.6	-2	SW	3	c	67	55	52	8	1	7	0	4.6	7.8	2500	20.7	+4	SW	3	c	61	75	53	8	2	7	3	7.8	2500	0	*	bccy	bccy	cbcb	bmbw													
	S. Farnborough	20.4	-6	WSW	4	c	66	55	49	8	2	7	5	2.3	9.1	2500	20.6	0	WSW	3	c	62	75	53	8	1	7	8	7.8	3000	0	*	bccy	bccy	cbcbw	bmbw													
	Boscombe Down	20.5	+6	WSW	3	c	63	65	51	8	3	7	8	4.6	9.1	3000	20.6	+2	WSW	2	c	61	85	55	8	7	7	8	2.3	7.8	5000	0	*	c	c	cbcbw	bmbw												
	Thorney Island	20.9	+8	WSW	4	c	66	65	60	9	2	3	6	4.6	7.8	4000	21.3	0	WSW	4	bc	63	75	53	8	1	7	1	2.3	4.6	3000	0	*	bcc	bcc	cbcbw	bmbw												
	Lymington	21.2	+6	SW	2	bc	67	55	50	8	1	-	2	2.3	4.6	4000	22.4	+10	WSW	2	bc	60	75	52	8	-	-	6	0	4.6	-	0	\$4	bccy	bccy	bmbw	bmbw												
	Manston	20.3	+4	WSW	3	bc	69	45	46	8	2	-	2	2.3	4.6	3200	20.8	+6	SW	3	c	64	65	50	8	1	-	6	0	7.8	3100	0	*	bccy	bccy	bmbw	bmbw												
2	Shoeburyness	20.3	+2	SSW	2	bc	70	45	49	8	1	7	1	2.3	4.6	2500	20.5	+6	SSW	4	bc	63	65	53	8	-	7	4	0	4.6	-	0	*	bccy	bccy	bmbw	bmbw												
	Felixstowe	19.2	+2	SW	4	c	70	45	50	8	1	7	1	4.6	7.8	3500	19.6	+2	SW	4	c	67	85	62	8	7	-	6	4.6	7.8	3700	0	3	bccy	bccy	bmbw	bmbw												
	Gorleston	18.6	+8	WSW	3	bc	69	55	51	8	1	7	-	2.3	4.6	3500	18.8	0	W	3	bc	67	55	47	8	1	-	4	2.3	2.3	3500	0	2	bccy	bccy	bmbw	bmbw												
	Mildenhall	18.5	+2	SW	4	c	67	55	49	8	2	6	3	7.8	9.1	2500	19.0	+4	SW	3	c	64	75	54	8	2	4	6	7.8	4500	0	*	bccy	bccy	bmbw	bmbw													
	Cranwell	17.0	+4	SW	4	c	65	55	50	8	8	-	-	7.8	7.8	2500	17.3	+2	SW	3	c	60	75	51	8	8	6	6	7.8	9.1	2200	0	*	bccy	bccy	bmbw	bmbw												
3	Birmingham	17.7	+4	SW	4	c	61	65	49	8	7	-	4.6	7.8	2500	18.0	0	SSW	3	c	60	65	49	8	6	7	-	2.3	3.1	2500	1	*	bc	bcc	cbcb	bcc													
	Upper Heyford	18.7	+6	SW	4	c	65	55	46	8	2	3	8	2.3	7.8	1300	18.3	0	WSW	3	c	60	65	48	8	2	2	4	1	7.8	2200	0	*	c	c	cbcb	cbcb												
	Ross-on-Wye	18.1	+4	SW	4	bc	64	55	48	8	7	4	9	2.3	4.6	2500	18.7	4	SW	4	bc	59	75	51	7	8	5	8	1	4.6	3000	1	*	bc	bcc	cbcb	cbcb												
5	Hartland Point	18.5	+8	WSW	4	bc	61	85	55	8	2	4	6	2.3	9.1	2000	18.5	-4	WSW	5	c	61	85	56	7	5	-	-	9.1	9.1	2000	0	5	bcc	bcc	cbcb	cbcb												
	Bristol	19.9	+6	WS	4	c	62	75	54	8	1	6	6	2.3	9.1	4000	20.0	-2	WSW	3	c	62	75	53	8	2	7	-	2.3	7.8	2500	1	5	bcc	bcc	cbcb	cbcb												
	Portland Bill	21.1	+4	SW	3	c	61	92	59	8	2	-	10	10	4000	21.1	+2	SW	4	c	61	92	59	8	2	-	9	9	9	4000	0	4	c	c	cbcb	cbcb													
	Plymouth	21.2	+10	WSW	4	c	63	75	54	8	2	-	8	4.6	9.1	2500	21.2	0	SW	5	c	62	75	55	8	2	7	1	7.8	3000	0	4	cbcb	cbcb	cbcb	cbcb													
	The Lizard	20.7	+12	WSW	4	c	65	65	54	8	8	6	-	7.8	7.8	2000	21.2	+4	WSW	3	c	60	85	57	8	2	3	7	7.8	2500	0	3	bcc	bcc	cbcb	cbcb													
	Scilly (St. Mary's)	20.4	+6	SW	4	c	68	75	58	8	8	6	-	2.3	9.1	1500	20.2	-2	SW	5	c	62	75	58	7	8	7	-	7.8	9.1	1200	1	4	bcc	bcc	cbcb	cbcb												
	Guernsey	18.0	+8	SW	6	c	61	85	56	7	8	2	-	4.6	9.1	2500	17.4	-18	SW	7	ly	61	85	57	7	8	5	-	7.8	9.1	2500	1	4	c	c	cbcb	cbcb												
7	Holyhead (Valley)	16.9	+8	SW	6	bc	63	75	56	8	8	4	-	4.6	4.6	3000	14.3	-6	SSW	6	ly	59	92	57	7	-	7	-	0	10	-	1	4	c	c	cbcb	cbcb												
	Chester (Sealand)	15.1	+6	SW	3	bc	63	65	56	8	2	6	8	4.6	4.6	3500	15.7	+2	SW	4	c	61	65	49	3	5	7	-	4.6	9.1	3000	0	*	bccy	bccy	cbcb	cbcb												
8	Manchester	15.4	+6	SW	5	bc	64	55	49	8	2	6	-	2.3	4.6	2500	16.2	-2	SSW	4	c	59	75	49	8	2	7	-	2.3	9.1	4000	1	*	bc	bcc	cbcb	cbcb												
10	Spurn Head	16.7	+10	WSW	4	bc	64	55	49	7	2	-	-	4.6	4.6	2500	16.6	0	SW	4	c	64	55	49	7	5	4	2	4.6	7.8	2500	0	4	bccy	bccy	cbcb	cbcb												
	Catterick	15.8	+2	SW	5	bc	63	55	46	8	2	6	-	2.3	4.6	3000	14.4	0	SW	3	c	60	65	48	8	2	7	3	4.6	9.1	2500	0	*	bccy	bccy	cbcb	cbcb												
	Tynemouth	12.4	+4	SW	5	bc	64	45	51	8	2	-	-	4.6	4.6	2900	12.9	0	SW	5	c	60	55	45	6	2	3	1	4.6	7.8	2900	1	3	bc	bcc	cbcb	cbcb												
11	St. Abbs Head	09.1	+10	SW	5	c	60	65	46	8	2	4	-	4.6	7.8	3500	09.0	-12	SW	4	c	58	65	46	8	5	4	-	4.6	9.1	3500	0	4	bccy	bccy	cbcb	cbcb												
	Leuchars	07.9	+10	SW	6	bc	61	65	49	8	2	3	-	2.3	4.6	3000	07.4	-4	SSW	5	c	59	85	53	8	2	3	8	1	9.1	2500	0	*	bc	bcc	cbcb	cbcb												
12	Renfrew (Abbots L.)	08.5	+6	SW	4	c	63	55	48	8	8	7	-	4.6	7.8	2000	07.5	-10	SSW	4	ly	56	75	51	7	5	-	10	10	2000	0	*	c	c	cbcb	cbcb													
	Eskdalemuir	10.5	+10	SW	6	c	58	55	41	8	8	-	-	9	9	1800	10.1	-6	SW	5	c	56	75	46	8	5	7	-	7.8	9.1	1800	1	*	bccy	bccy	cbcb	cbcb												
	Point of Ayre	12.5	+8	WSW	6	bc	65	55	50	8	1	4	-	1	2.3	3000	11.6	-10	WSW	5	ly	56	85	52	8	8	2	-	1	10	1600	1	4	bccy	bccy	cbcb	cbcb												
13A	Tiree	03.9	+12	SW	7	bc	58	75	43	8	8	-	-	4.6	4.6	2500	00.1	-34	SE	7	ly	54	97	52	6	-	2	-	10	10	3000	1	6	bc	bcc	cbcb	cbcb												
13B	Stornoway	09.6	+22	SSW	7	bc	56	85	50	8	8	7	-	7.8	9.1	2000	07.8	-16	SSW	7	ly	54	92	52	7	5	1	2	9	10	2000	1	4	bc	bcc	cbcb	cbcb												
15	Dalwhinnie	06.0	+12	SW	4	c	54	75	48	7	5	-	1	4.6	7.8	2500	04.0	-8	SSW	4	ly	51	85	47	7	5	2	-	9	10	2500	1	*	c	c	cbcb	cbcb												
	Aberdeen	06.2	+10	WSW	5	b	63	55	46	8	1	-	8	1	1	4000	06.5	-2	SW	2	c	59	65	47	8	4	9	-	7.8	4000	0	2	bccy	bccy	cbcb	cbcb													
	Wick	02.5	+16	SW	5	bc	60	65	48	9	1	3	-	2.3	4.6	3000	02.5	-6	WSW	5	bc	56	75	49	8	8	4	8	2.3	4.6	3000	0	*	bc	bcc	cbcb	cbcb												
16	Sumburgh	01.5	+10	SSW	6	bc	57	75	50	8	5	7	1	2.3	4.6	4000	02.8	-2	SSW	5	bc	55	85	50	7	8	3	-	2.3	4.6	2800	0	4	bc	bcc	cbcb	cbcb												
17	Blackod Point	07.6	0	SSW	6	ly	56	85	51	7	6	2	-	4.6	10	1500	01.5	-38	SSW	6	ly	61	92	59	7	6	2	-	4.6	10	800	1	6	r	r	cbcb	cbcb												
18	Malin Head	06.4	+10	SSW	5	c	58	75	50	8	6	2	-	4.6	7.8	2500	01.2	-46	S	6	ly	56	85	51	8	6	2	-	7.8	10	1500	1	5	r	r	cbcb													

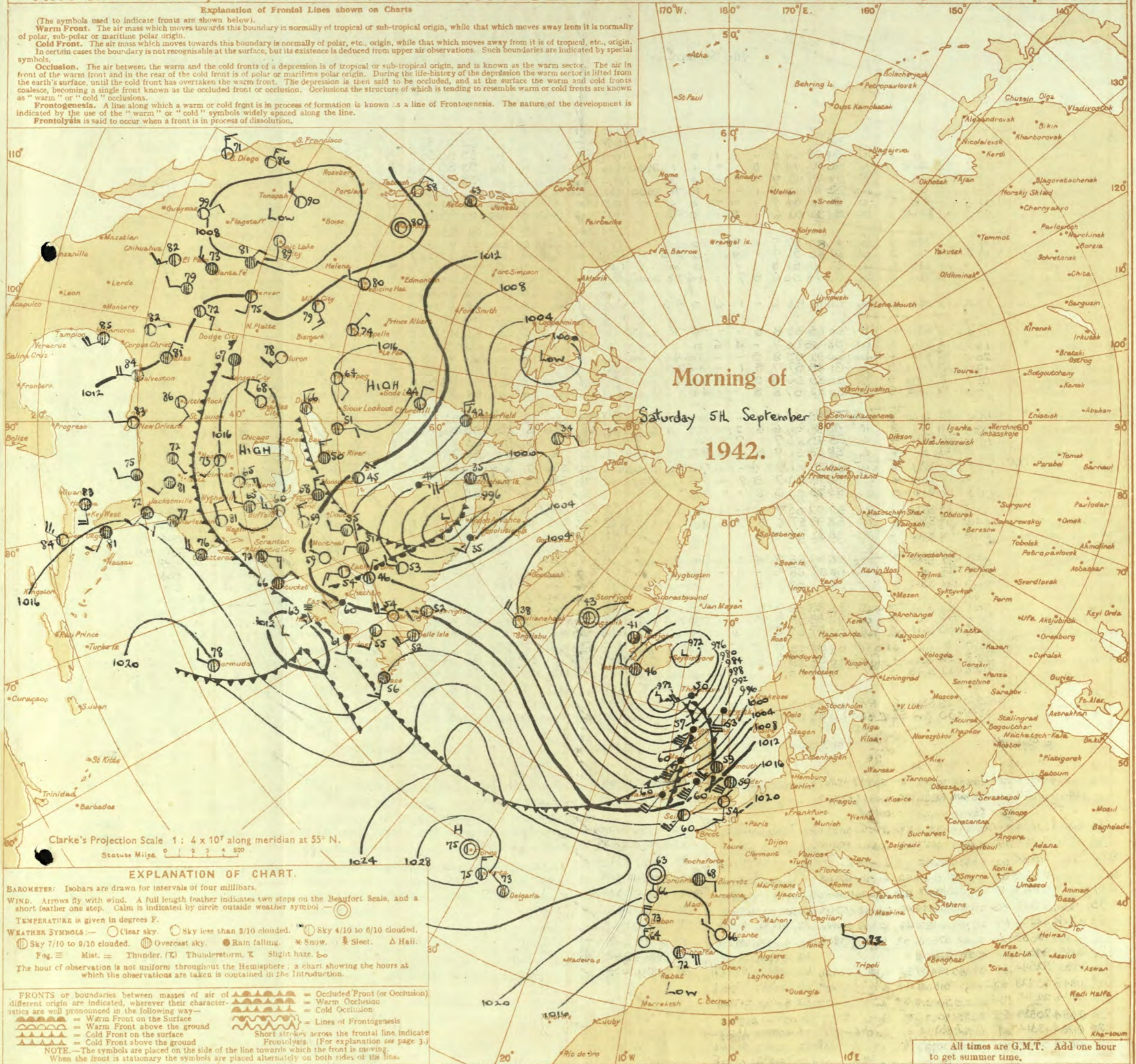
7h. Saturday 5th September 1942.



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



SECRET

Sunday 6th September 1942

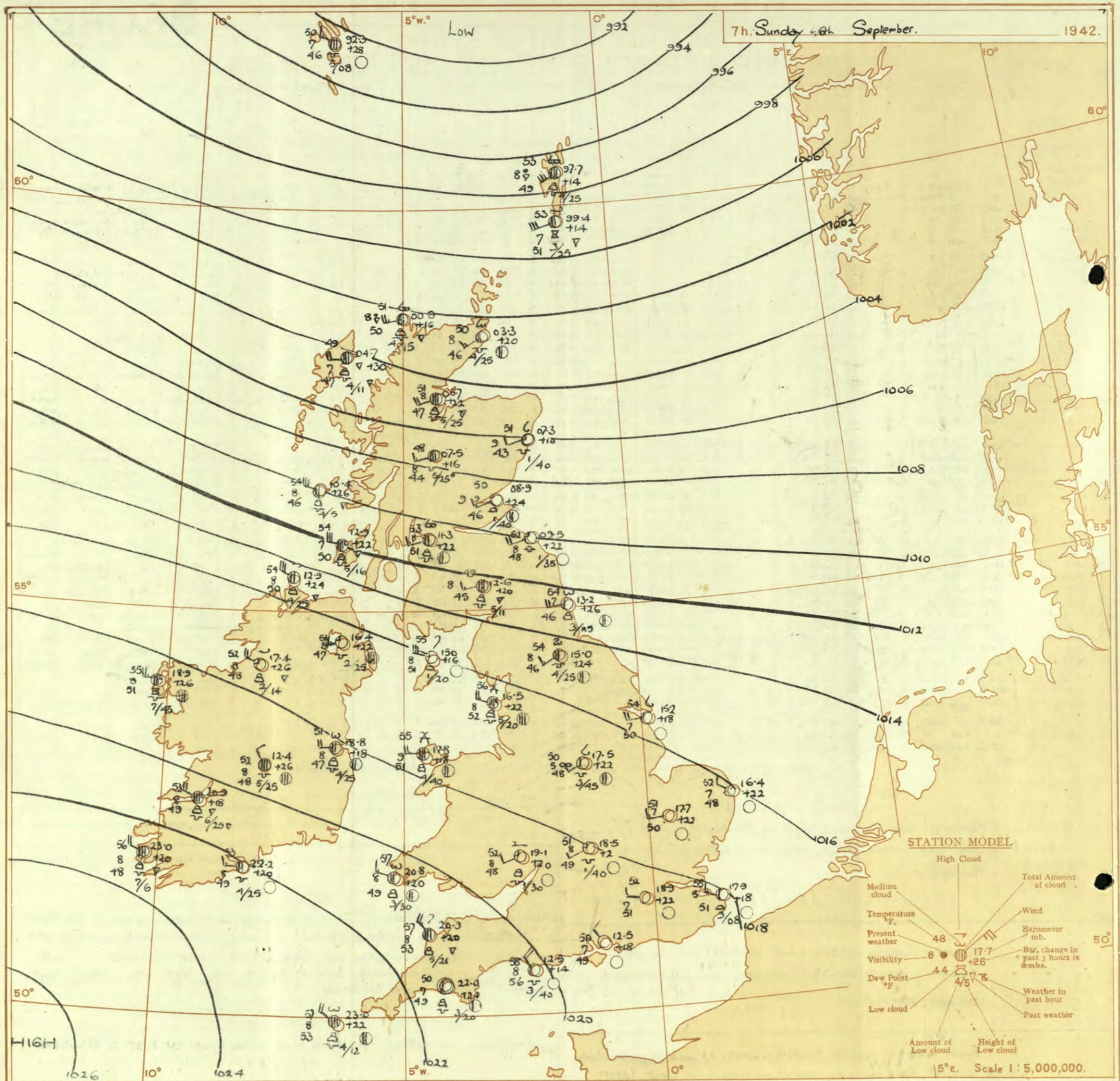
No. 23508

Page 1

BRITISH SECTION

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

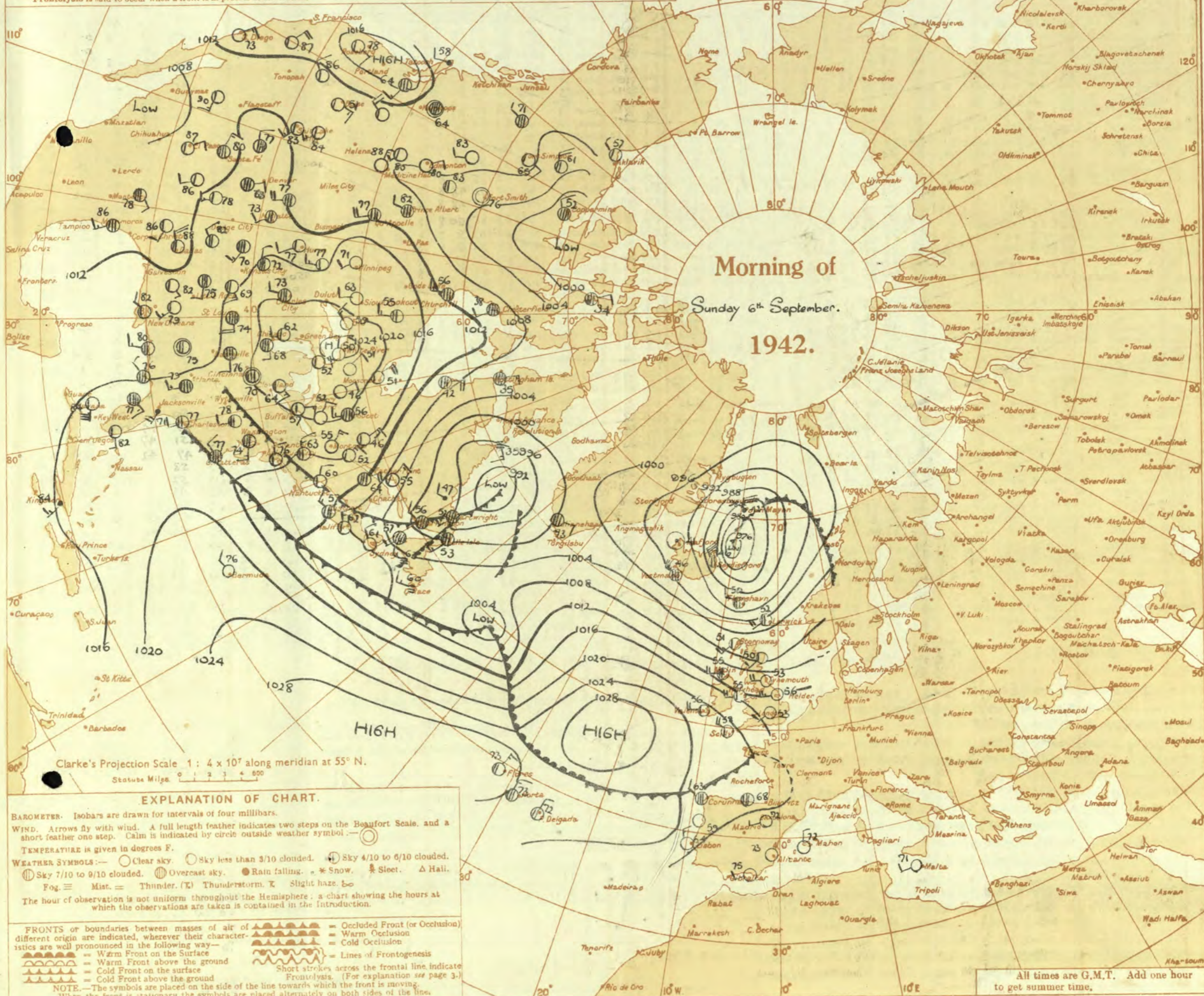
OBSERVATIONS at 13h. G.M.T. 5th September.															OBSERVATIONS at 18h. G.M.T. 5th September.															PAST 24 HOURS.							
DISTRICT.	STATIONS.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Vis. 0-9 (9)	Cloud. (10) (11) (12) (13) (14) (15)					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind. (18) (19)		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Vis. 0-9 (24)	Cloud. (25) (26) (27) (28) (29) (30)					State of ground. (31)	Sea. (32)	WEATHER. (33) (34) (35) (36)					
				Form. (11)	Med. (12)						High (13)	Low 0-10 (14)	Total 0-10 (15)	Form. (26)	Med. (27)			High (28)	Low 0-10 (29)						Total 0-10 (30)	Form. (33)	Med. (34)	High (35)	Low 0-10 (36)			Total 0-10 (37)					
																																	Low. (10)	Med. (11)	High (12)	Form. (25)	Med. (26)
1	London (Kew)	13.8	-4	SW	4	C	66	65	52	8	7	4	4	1	3	1500	12.9	-4	SW	4	ir	62	85	58	7	5	2	-	9	10	1500	1	*	bcc	cir	rrc, bw	bmow
	Croydon	14.4	-18	SSW	4	C	67	65	53	8	5	9	-	1	7-8	2000	13.5	-8	SW	3	ir	60	92	58	8	5	2	-	9	10	1000	1	*	bbcc	cir	cmob, db	bmow
	S. Farnborough	14.2	-18	SSW	4	C	65	65	53	8	7	7	4	4-6	10	2000	12.8	-10	SW	4	ir	61	92	58	6	5	-	-	10	10	1200	0	*	bcc	cir	cmob, db	bmow
	Boscombe Down	14.0	-14	SW	6	C	63	75	56	8	5	7	-	7-8	9	2000	13.1	-8	SW	4	ir	59	97	59	8	5	2	-	10	10	200	1	*	bcc	cir	cmob, db	bmow
	Thorney Island	15.7	-14	SW	5	C	66	75	56	9	2	4	2	7-8	9	1500	14.5	-2	SW	5	ir	61	92	59	7	5	2	-	7-8	10	300	1	*	bcc	cir	cmob, db	bmow
	Lymington	16.9	-18	S	4	C	67	65	54	9	1	4	2	7-8	1	2500	15.9	-4	SW	5	ir	61	75	54	8	5	7	-	7	9	2000	0	4	bcc	cir	cmob, db	bmow
	Manston	15.2	-18	SW	5	C	63	45	46	8	-	+	1	0	1	-	14.1	-2	SW	4	C	62	65	53	8	5	7	-	7	9	1800	0	*	bcc	cir	cmob, db	bmow
2	Shoeburyness	15.0	-20	SSW	5	bc	73	55	53	8	-	7	4	0	2-3	-	14.3	-4	SSW	4	ir	63	75	56	8	5	-	-	9	9	2300	1	*	bybcy	cir	cir	bcbmow
	Felixstowe	13.9	-22	SSW	6	C	72	55	52	8	-	1	4	0	7-8	-	13.2	-4	SSW	5	ir	65	75	53	8	5	2	-	4-6	9	2000	0	4	bcc	cir	cir	bcbmow
	Gorleston	11.8	-18	SSW	6	bc	71	65	59	7	-	1	8	0	4-6	-	11.4	0	SSW	4	ir	66	65	53	7	8	7	-	4-6	9	1500	0	4	bcc	cir	cir	bcbmow
	Mildenhall	11.9	-10	SSW	5	C	72	45	48	8	5	8	3	4-6	3	4000	10.9	-6	SSW	5	ir	64	75	53	8	5	7	-	4-6	10	-	1	*	bcc	cir	cir	bcbmow
	Cranwell	09.6	-2	SSW	5	rr	61	75	54	7	5	2	-	4-6	10	3000	09.8	+8	SSW	4	ir	57	92	53	6	6	2	-	10	10	2000	1	*	bcc	cir	cir	bcbmow
3	Birmingham	09.8	-8	SSW	3	ir	61	85	56	6	6	-	10	10	800	11.1	+8	SSW	3	bc	59	85	54	7	5	-	5	2-3	2-3	2500	1	*	cir	cir	cir	bcbmow	
	Upper Heyford	12.3	-14	SSW	5	C	64	65	53	7	5	2	-	4-6	10	1800	11.3	-6	SSW	4	ir	60	97	58	5	6	2	-	9	10	300	1	*	cir	cir	cir	bcbmow
4	Ross-on-Wye	10.8	-8	SSW	5	C	62	85	57	7	5	1	-	9	10	2500	11.7	+0	SSW	3	C	61	75	53	8	8	-	-	7-8	7-8	3000	1	*	cir	cir	cir	bcbmow
5	Hartland Point	10.2	-6	SSW	6	rr	59	97	59	6	6	2	-	4-6	10	800	13.6	+18	SSW	5	bc	59	92	57	8	8	7	-	7-8	9	1500	1	*	cir	cir	cir	bcbmow
	Bristol	13.0	-10	SSW	4	d. d.	63	85	58	6	5	7	-	4-6	10	1500	13.3	+10	SSW	4	C	59	92	57	8	8	7	-	7-8	9	1500	1	*	cir	cir	cir	bcbmow
	Portland Bill	13.0	-12	SSW	5	C	62	92	60	8	5	-	10	10	4000	14.1	-2	SSW	5	0	60	92	58	7	5	-	-	10	10	2500	1	4	cir	cir	cir	bcbmow	
	Plymouth	14.5	-10	SSW	6	ir	61	92	58	6	5	2	-	9	10	800	14.5	+0	SSW	4	C	60	92	58	8	8	7	-	7-8	7-8	2000	1	4	cir	cir	cir	bcbmow
	The Lizard	13.7	-10	SSW	6	rr	60	97	59	5	5	-	10	10	1000	15.3	+18	SSW	4	bc	59	92	58	8	8	7	-	7-8	7-8	2000	1	4	cir	cir	cir	bcbmow	
	Scilly (St. Mary's)	12.5	-4	SSW	5	ir	61	97	61	5	5	-	10	10	800	16.0	+16	SSW	5	bc	60	92	58	8	8	7	-	7-8	7-8	2000	1	4	cir	cir	cir	bcbmow	
	Guernsey	12.5	-4	SSW	5	ir	61	97	61	5	5	-	10	10	800	16.0	+16	SSW	5	bc	60	92	58	8	8	7	-	7-8	7-8	2000	1	4	cir	cir	cir	bcbmow	
6	Pembroke	10.4	+16	W	5	rr	58	97	58	7	5	2	-	7-8	9	1500	13.0	+16	W	6	bq	60	75	53	8	-	4	-	0	Tr	-	1	5	cir	cir	cir	bcbmow
7	Holyhead (Valley)	07.5	+20	WSW	3	C	61	75	54	7	5	-	7-8	7-8	3000	10.5	+12	WSW	4	bc	61	75	52	8	2	6	-	1	2-3	3500	1	4	cir	cir	cir	bcbmow	
	Chester (Sealand)	07.5	+2	WSW	4	ir	60	85	55	8	6	2	-	9	10	800	09.4	+4	WSW	2	b	63	55	47	8	2	6	-	Tr	Tr	3500	1	*	cir	cir	cir	bcbmow
8	Manchester	07.4	0	S	6	rr	60	97	59	5	6	2	-	7-8	10	1000	08.9	+4	SSW	3	bc	60	75	51	7	2	4	-	1	2-3	2500	1	*	cir	cir	cir	bcbmow
10	Spurn Head	08.1	0	SSW	6	rr	62	75	55	6	3	-	10	10	1500	08.4	+12	SSW	5	ir	61	92	58	6	8	7	-	10	10	1500	1	5	cir	cir	cir	bcbmow	
	Catterick	05.2	+2	WSW	4	ir	61	85	57	7	5	7	-	7-8	10	600	07.5	+18	WSW	3	bc	60	65	48	8	2	4	8	1	2-3	3000	1	*	cir	cir	cir	bcbmow
	Tynemouth	04.0	+14	N	5	pr	63	85	57	6	8	-	7-8	7-8	1500	05.7	+6	W	5	bc	63	55	45	8	2	3	-	2-3	4-6	1500	1	3	cir	cir	cir	bcbmow	
11	St. Abbs Head	00.5	+18	W	4	bc	62	55	46	8	1	-	4-6	4-6	3000	03.2	+6	W	4	bc	59	65	45	9	1	4	-	2-3	2-3	3500	0	4	cir	cir	cir	bcbmow	
	Leuchars	09.0	+22	WSW	7	bc	62	75	53	9	8	6	-	2-3	4-6	3000	02.1	+26	WSW	5	C	59	75	52	9	2	6	-	Tr	Tr	3000	0	*	cir	cir	cir	bcbmow
12	Renfrew (Abbots L.)	01.4	+16	SSW	5	C	62	55	47	8	8	3	-	4-6	7-8	3500	03.9	+12	SSW	4	C	58	75	49	7	8	3	8	4-6	7-8	2000	1	*	cir	cir	cir	bcbmow
	Eskdalemuir	01.8	+10	SSW	5	bc	59	65	46	8	7	-	2-3	2-3	2500	05.2	+20	WSW	5	bc	54	85	48	8	8	4	-	2-3	2-3	1800	1	*	cir	cir	cir	bcbmow	
	Point of Ayre	04.8	+20	WSW	5	b	64	65	53	8	4	-	Tr	Tr	3000</																						



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



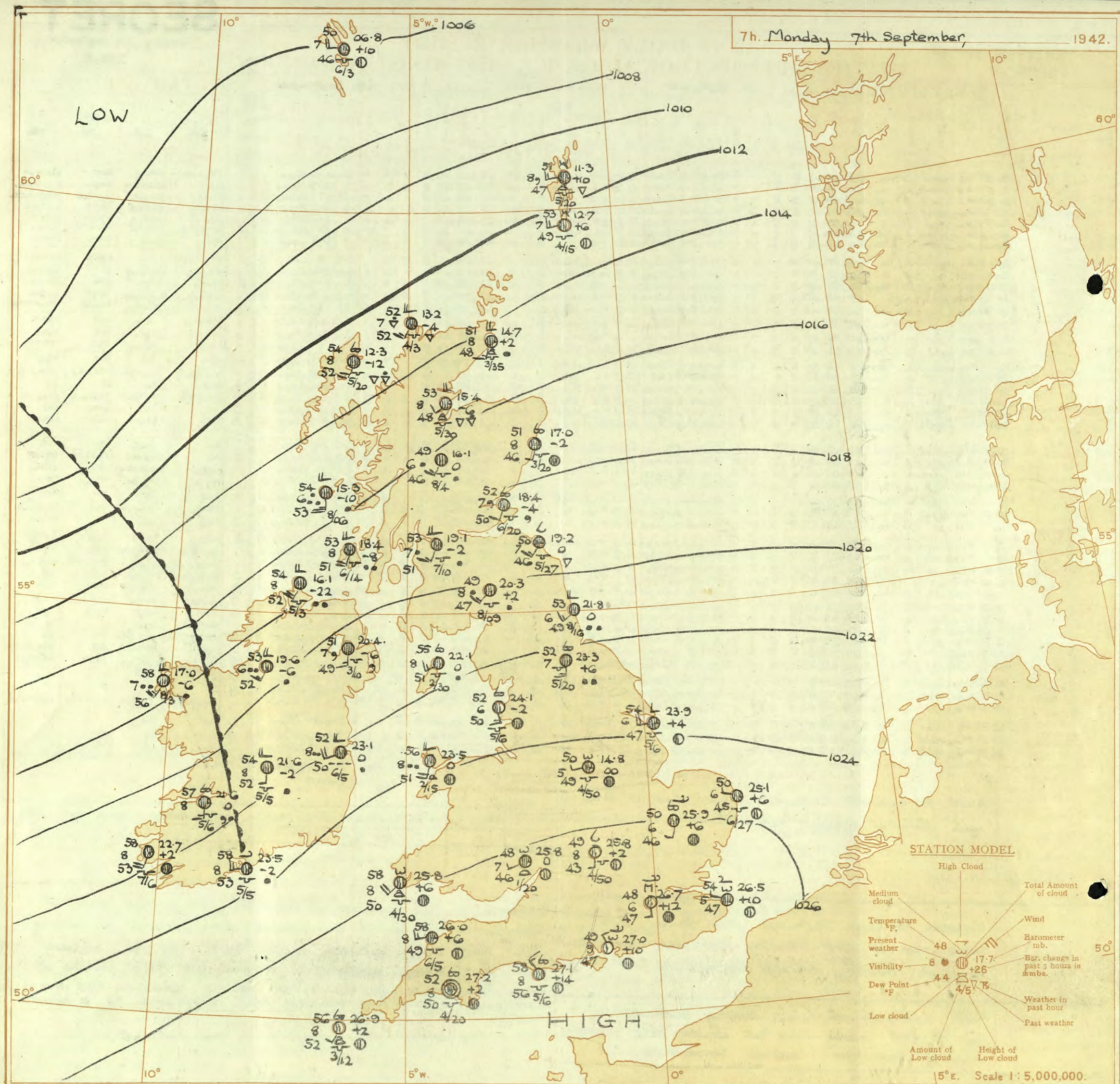
THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

SECRET

Monday 7th September 1942

No. 29509.

[illegible]



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

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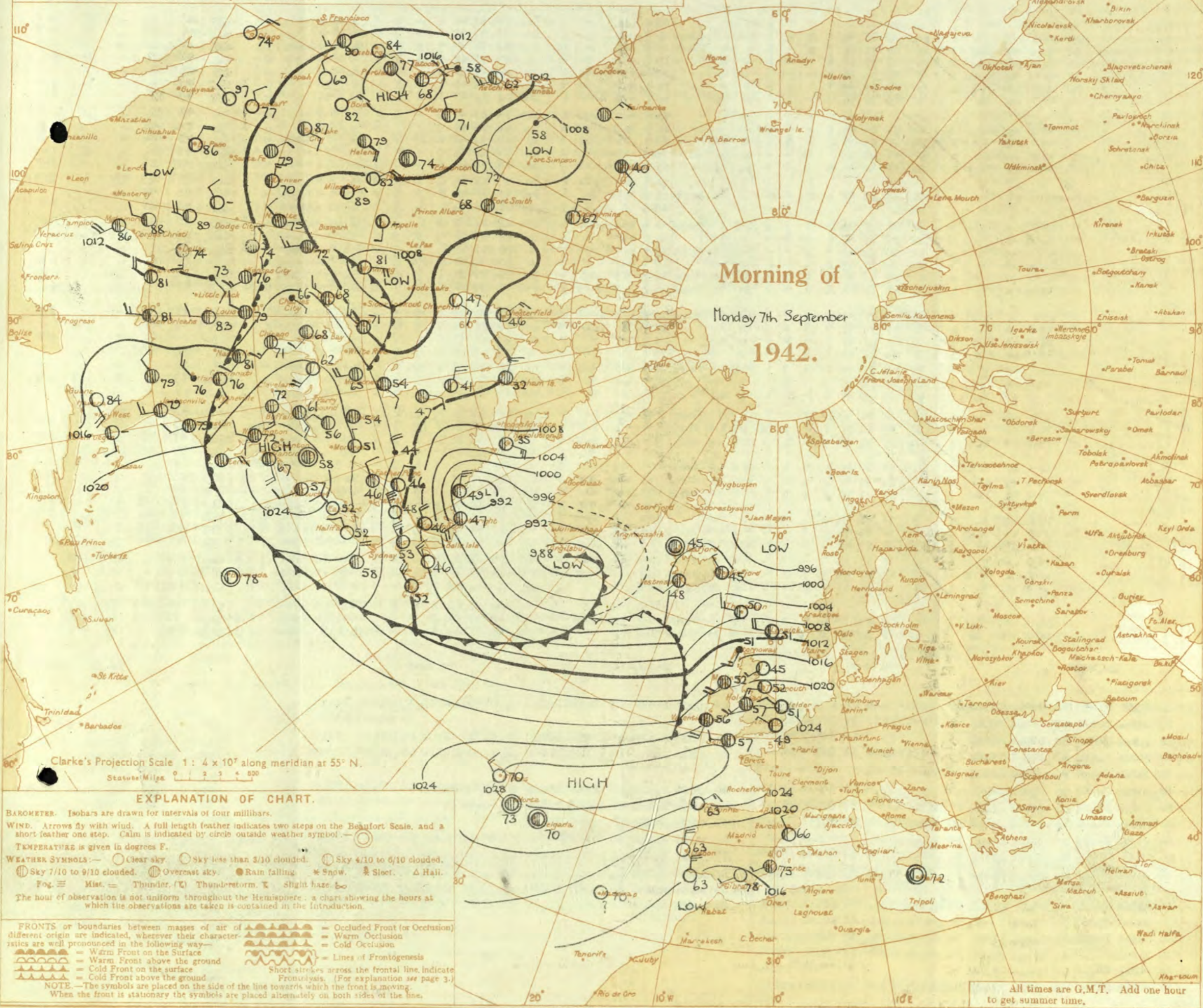
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.

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BRITISH
SECTIONTHE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.Monday 7th September, 1942
No. 29503

OBSERVATIONS at 1 hr. G.M.T. 7th September																	OBSERVATIONS at 7 hr. G.M.T. 7th September																	PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point.	Visiblity.	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point.	Visiblity.	Cloud.					Barom. at M.S.L. (31)	Change in 3 hours.	TEMPERATURE.										
					Dir.	Force.						Form.	Amount.	Height of Base (feet)	Dir.	Force.			Form.	Amount.						Height of Base (feet)	State of Sky.	Sea.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. on Grass °F.	RAINFALL.		Sun- shine 6th Hrs.							
																																		Day 7h-18h mm.	Night 18h-7h mm.								
1	London (Kew)	18															27.0	+8																									
	Croydon	290	25.5	+14	S	1	bc	49	85	46	6	5	-	-	2-3	2-3	26.7	+12	3	1	bc	48	97	47	6	-	8	2	0	4-6			65	47	36	-	Tr	10.5					
	S. Farnborough	226	26.4	+10	W/N	1	b	47	92	44	7	5	-	-	1	1	3500	27.4	+10		bc	47	85	43	7	5	7	2	0	4-6			63	44	43	-	Tr	9.4					
	Boscombe Down	417	26.5	+12		0	zo	47	97	47	6	-	-	-	0	0		26.8	+6		c	49	97	48	7	-	7	2	0	7-8			68	45	35	-	Tr	9.5					
	Thorney Island	10	26.0	+10	NW	2	b	49	92	47	7	-	-	-	0	0		27.0	+10	NW	1	bc	49	92	47	9	-	3	2	0	2-3			64	46	36	-	Tr	9.3				
	Lympe	283	25.6	+10	NW	2	b	47	85	44	7	-	-	-	0	0		26.6	+10	W/N	1	c	51	92	49	7	-	3	0	9			69	48	*	-	-	-	9.0				
2	Manston	154	25.7	+16	N	1	b	54	75	46	7	-	-	-	0	0		26.5	+10	WNW	1	zo	54	75	47	5	-	3	6	0	9+			68	47	37	-	-	-	9.7			
	Shoeburyness	11															26.9	+10	WNW	2	bc	54	85	48	6	-	5	-	0	7-8			71	47	36	-	-	-	9.1				
	Felixstowe	12	24.2	+2	NW	2	b	55	85	49	7	-	-	-	0	0		26.3	+14	W/N	2	zo	51	85	48	6	-	7	-	0	9+			70	50	41	-	-	-	9.3			
	Gorleston	5	24.3	+12	W/N	2	bc	51	75	43	6	-	4	-	0	2-3		25.1	+6	W/N	2	c	50	85	45	6	5	-	9	9	2700	0	2	66	49	46	-	-	-	9.3			
	Mildenhall	15	25.2	+10	SW	2	b	45	85	42	7	-	-	-	0	0		25.9	+6	SSW	2	c	50	85	46	6	-	7	2	0	9			69	43	36	-	Tr	10.3				
	Cranwell	203	24.6	+6	WSW	2	zo	47	85	43	6	-	-	-	0	0		25.0	+2	WSW	3	zo	53	85	49	6	-	7	0	9			65	45	38	-	-	-	11.7				
3	Birmingham	535															25.3	0	SSW	2	zo	51	85	46	6	-	7	2	0	7-8			63	49	43	Tr	-	-	8.9				
	Upper Heyford	408	25.4	+8	W	1	zo	49	85	45	6	5	-	9	Tr	2-3	4000	25.8	+2	S	1	bc	49	85	43	8	5	4	2	4-6	4-6	5000	0		64	46	41	-	-	-	8.8		
4	Ross-on-Wye	223															25.8	0	SW	1	c	48	92	46	7	1	3	-	Tr	9	2000	1		65	45	39	-	-	-	8.8			
	Hartland Point	299	25.9	0	WNW	3	bc	58	75	50	8	1	-	6	2-3	4-6	4000	26.0	+6	WSW	3	c	58	75	49	8	5	-	9	9	2200	0	4	60	57	53	-	-	-	10.1			
5	Bristol	209	26.4	+2		0	zo	52	85	48	6	-	7	-	0	9+		26.9	+6		0	c	54	97	54	7	5	7	-	Tr	9+	1500	1		65	49	39	-	-	-	10.7		
	Portland Bill	32	26.2	+10	W	2	bc	58	85	54	8	5	-	-	4-6	4-6	4000	27.1	+14	NW	3	c	58	92	56	8	5	7	-	7-8	10	4000	1	3	63	58		-	-	-	9.2		
	Plymouth	82	27.5	+6	E	1	zo	50	92	48	6	-	1	-	0	10		27.2	+2		0	c	52	92	50	8	5	7	-	4-6	9+	2000	0	1	65	49	41	-	-	-	9.2		
	The Lizard	240	27.3	+2		0	c	55	85	51	8	8	-	9	10	1500	26.9	+4	WSW	1	bc	56	85	52	8	8	4	-	4-6	4-6	2000	1	3	64	52	*	Tr	-	-	11.4			
	Scilly (St. Mary's)	163	27.4	+2	W	2	c	57	85	52	8	8	-	-	9+	9+	1200	26.9	+2	SW	2	bc	56	85	52	8	8	7	2	2-3	4-6	1200	0	3	65	55	*	-	-	-	6.5		
	Guernsey	175																																									
6	Pembroke	142	25.5	0	W/S	4	c	59	75	52	8	5	2	-	7-8	9+	4000	25.8	+6	SW	4	c	58	75	50	8	8	3	-	4-6	7-8	3000	1	3	61	55		-	-	-	8.5		
	Holyhead (Valley)	32	23.9	-2	SW	3	c	57	75	47	8	-	2	-	0	10		23.5	0	SSW	4	bc	56	85	51	8	1	2	-	1	10	1500	1	3	63	56	50	-	0.2				
7	Chester (Sealand)	16	23.9	+6	SE/S	1	c	51	85	47	7	-	7	-	0	10		24.0	-2	S	1	zo	51	92	49	5	-	7	-	0	9+			63	50	39	Tr	-	-	5.9			
	Manchester	235	24.0	+6	S/E	3	c	50	85	46	6	-	1	-	0	10		24.1	-2	S/E	3	c	52	92	50	6	5	7	-	7-8	7-8	4000	1		61	50	44	0.2	-	-			
10	Spurn Head	29	23.5	+10	W/S	4	c	54	85	48	7	1	7	-	4-6	7-8	2500	23.9	+4	WSW	4	zo	54	75	47	6	5	1	-	7-8	9	4000	0	3	63	52		-	-	-	6.7		
	Catterick	175	22.7	+4	W	2	c	52	85	47	7	-	3	-	0	10		23.3	+6	S	3	c/r	52	92	50	7	5	7	-	7-8	10	2000	1		63	49	41	Tr	0.5	10.8			
	Tynemouth	108	21.7	+4	W	3	bc	52	85	47	6	-	3	-	0	2-3		21.8	0	SW	3	c/r	53	85	49	6	-	2	-	10	10	1600	1	2	62	51	*	-	-	-	0.3		
11	St. Abbs Head	280	18.8	+8	W	4	b	51	85	47	7	5	-	-	1	1	4000	19.2	0	SW	3	c	50	85	46	7	5	4	-	7-8	9+	2700	0	3	60	48		-	-	-			
	Leuchars	36	18.8	+6	W	4	bc	49	92	47	8	4	1	5	4-6	4-6	2800	18.4	-4	SW	2	id.	52	92	50	7	5	7	-	9	10	2000	0		64	43	41	7	Tr	11.9			
12	Renfrew (Abbots L.)	19	19.9	+4	SW	2	c/r	52	92	49	7	5	2	-	7-8	10	1500	19.1	-2	SW	3	id.	53	92	51	7	5	2	-	9+	10	1000	1		61	51	47	4	1	6.4			
	Eskdalemuir	794															20.3	+4	SW	3	id.	49	92	47	8	5	-	-	10	10	900	1		58	47	44	0.4	Tr	6.5				
13	Point of Ayre	30	22.1	0	W/S	3	c	54	85	50	8	5	2	-	4-6	10	3000	22.1	0	SW	3	c	55	85	51	8	5	7	-	1	10	3000	0	3	64	53	*	-	-	-	9.4		
	Tiree	22	18.2	+2	SW	4	ir.	53	85	47	8	6	2	-	4-6	10	1500	15.3	-10	S	5	rr	54	97	53	6	-	2	-	10	10	600	1	5	59	52		1	1	8.4			
15	Stornoway	80	14.1	+2	SSW	3	pr	51	92	49	7	8	7	-	7-8	10	2000	12.3	-12	SSW	4	c/pr	54	92	52	8	5	7	-	7-8	10	2000	1	2	58	49		3	1	7.3			
	Dalwhinnie	1176															16.1	0	SW	3	ir.	49	85	46	6	5	-	-	10	10	1500	1		56	45	39	1	2	5.0				
16	Aberdeen	79	17.5	+8	SW	1	b	45	92	43	9	-	4	-	0	Tr		17.0	-2	SSW	1	c	51	85	46	8	5	7	-	2-3	9+	2000	0	1	63	47	42	0.6	-	-	9.4		
	Wick	114	14.9	+6	WSW	3	bc	45	92	43	9	5	-	-	4-6	4-6	3000	14.7	+2	SSW	3	c	51	85	48	8	5	2	-	2-3	9+	3500	0		58	44	38	2	Tr				
17	Sumburgh	19	11.9	+14	W	5	bc/pr	51	92	49	7	2	-	-	4-6	4-6	1500	12.7	+6	WSW	5	bc	53	92	49	7	5	6	-	4-6	7-8	1500	1	4	55	49	42	2	2	4.1			
	Blackod Point	18	19.9	-10	SW	5	ir	55	92	53	7	6	2	-	4-6	10	800	17.0	-6	SW	5	ir.	58	92	56	7	-	2	-	10	10	800	1	4	60	54		0.5	13				

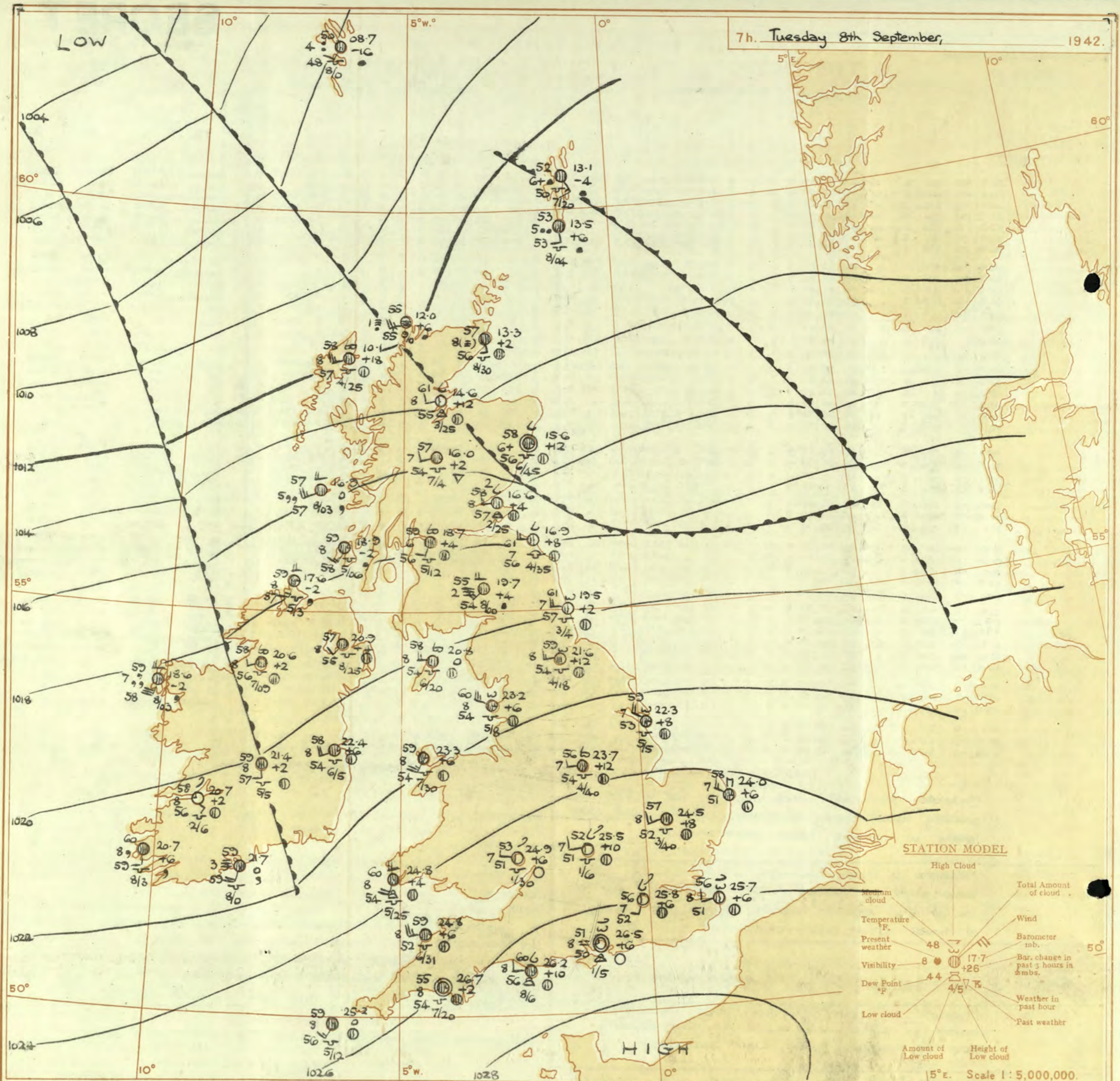
THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

SECRET

Tuesday 8th September 1942

No. 29510

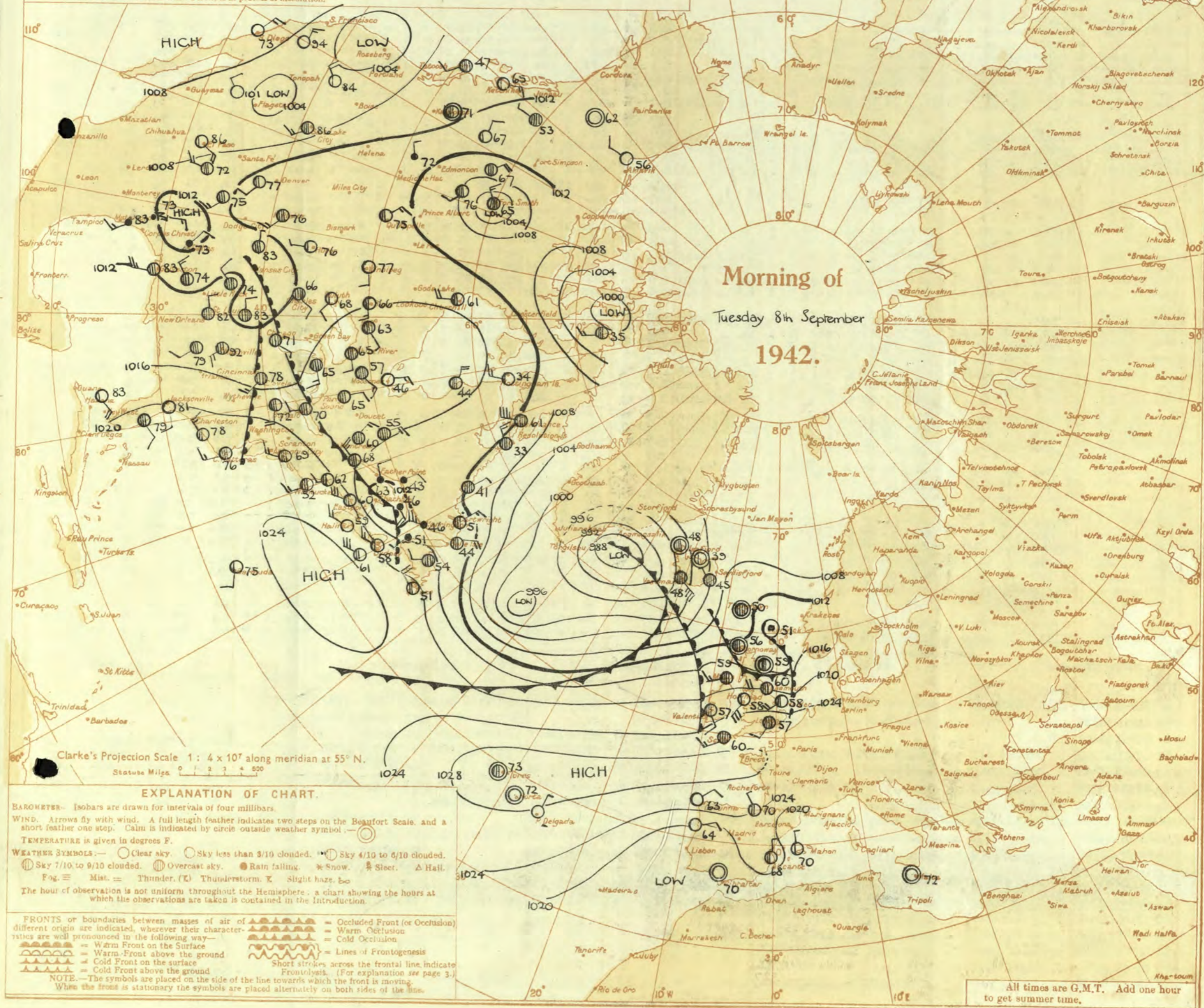
OBSERVATIONS at 13h. G.M.T. 7th September															OBSERVATIONS at 18h. G.M.T. 7th September															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																	
Derivator.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud. (10) (11) (12) (13) (14) (15)					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind. (18) (19)		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud. (25) (26) (27) (28) (29) (30)					State of Ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER. (39) (40) (41) (42)																																																																																																																																																																																																																																																																																																															
				Form.	Amount.						Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.			Amount.	Height of Base (feet)						Form.	Amount.	Height of Base (feet)	Form.	Amount.			Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)	Form.	Amount.	Height of Base (feet)</



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below.)
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



BRITISH
SECTIONTHE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.Tuesday 8th September 1942
No. 29510

OBSERVATIONS at 1 hr. G.M.T. 8th September																OBSERVATIONS at 7 hr. G.M.T. 8th September																PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. (24)	Cloud.					State of Ground. (31)	Sea. (32)	TEMPERATURE.			RAINFALL.		SUNSHINE 7H. Hrs. (38)			
					Direc. (3)	Force. (4)						Low. (10)	Med. (11)	High (12)	Low 0-10 (13)	Total 0-10 (14)			Height of Base. (feet) (15)	Direc. (18)						Force. (19)	Low. (25)	Med. (26)	High (27)	Low 0-10 (28)			Total 0-10 (29)	Height of Base (feet) (30)	Max. Day 7h-15h °F. (33)	Min. Night 15h-7h °F. (34)	Min. on Grass °F. (35)		Day 7h-15h mm. (36)	Night 15h-7h mm. (37)	
1	London (Kew)	18	*	*	*	*	59	*	*	*	*	*	*	26.3	-4	SWW	2	bc	57	85	52	8	-	4	4	0	4.6	-	0	*	65	55	49	-	-	7.0					
	Croydon	290	26.0	0	SSW	2	c	57	85	53	7	5	-	10	10	3000	25.8	+6	SW	1	b-bc	56	85	51	7	-	4	4	0	2.3	-	0	*	68	53	50	-	Tr	3.8		
	S. Farnborough	226	25.9	-2	W'S	2	c	56	85	52	8	-	3	-	0	9+	-	26.2	+10	WSW	3	bc	54	85	51	9	-	5	2	0	4.6	-	0	*	68	51	50	-	-	7.6	
	Boscombe Down	417	26.5	+2	WSW	2	b	53	82	51	7	-	4	-	0	1	-	26.2	+4	SW'S	3	bc	53	82	50	8	-	4	-	0	4.6	-	0	*	66	49	45	-	Tr	4.3	
	Thorney Island	10	26.5	0	WNW	2	b	57	82	55	8	5	-	-	Tr	Tr	5700	26.5	+6	-	0	fg	51	87	50	8	2	3	1	Tr	1	2500	0	*	68	49	44	-	-	*	
	Lymington	283	26.7	+2	WSW	1	c-bc	54	85	51	7	-	5	-	Tr	Tr	-	26.1	+6	WSW	2	b-bc	55	85	52	7	-	4	4	0	2.3	-	0	3	*	67	51	48	-	-	9.6
	Manston	154	26.1	+2	WSW	1	c-bc	55	85	49	7	5	-	-	7.8	7.8	6000	25.7	+6	SW'W	2	bc	56	85	51	8	-	3	1	0	4.6	-	0	*	68	53	51	-	-	7.8	
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	25.3	+2	WSW	2	bc	57	85	53	7	-	3	1	0	4.6	-	0	*	71	57	50	-	-	8.5					
	Felixstowe	12	25.0	+2	SW'S	3	c	60	75	53	7	5	7	-	7.8	10	6300	25.1	+8	SW'W	3	bc	60	85	53	6	-	7	-	0	4.6	-	0	2	*	69	58	51	-	-	10
	Gorleston	5	24.2	0	WSW	3	c/pr	59	75	51	6	5	-	-	10	10	800	24.0	+6	WNW	3	c	58	85	51	7	-	7	-	0	9+	-	0	2	*	67	58	55	-	Tr	4.7
	Mildenhall	15	24.6	0	SW	3	c	58	75	51	7	-	7	-	0	9+	-	24.5	+8	SW	3	c-bc	57	85	52	8	5	7	1	2.3	7.8	4000	0	*	69	55	49	-	-	4.3	
	Cranwell	203	23.2	+2	W'S	3	bc	58	85	53	6	5	7	-	4.6	10	7000	23.2	+6	W'S	2	c-bc	57	85	53	8	5	3	-	4.6	7.8	5000	1	*	64	55	52	Tr	0.2	1.4	
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	24.4	+4	SW	2	bc	54	85	49	7	-	-	6	0	4.6	-	1	*	62	52	46	-	-	2.6					
	Upper Heyford	408	25.3	-2	N	2	bc	55	85	52	8	-	7	-	0	4.6	-	25.5	+10	WSW	2	b-bc	52	97	51	7	-	5	4	4	Tr	2.3	4000	0	*	65	51	48	-	-	*
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	24.9	+6	W'N	1	b-bc	53	92	51	7	5	-	4	4	Tr	2.3	3000	1	*	64	52	46	0.2	-	1.5				
5	Hartland Point	299	25.5	-4	WSW	4	b	59	85	53	8	-	-	-	0	0	-	24.8	+6	WSW	4	c	59	75	52	8	5	-	9	9	3100	0	4	62	58	56	Tr	-	6.3		
	Bristol	209	26.3	-2	SSW	4	b	56	85	52	8	-	-	-	0	0	-	26.3	+8	WSW	4	c-bc	57	85	53	8	5	3	4	7.8	7.8	4000	1	*	66	54	48	-	-	5.3	
	Portland Bill	32	16.4	-4	W	3	b-bc	59	92	57	8	5	-	-	2.3	2.3	4000	26.2	+10	W	2	c	60	85	56	8	2	4	-	4.6	10	4000	1	3	62	55	45	-	-	6.8	
	Plymouth	82	27.3	0	NE	1	c-bc	54	97	53	7	5	-	-	7.8	7.8	2000	26.7	+2	W	0	c	55	97	54	8	5	-	-	9+	9+	2000	0	1	64	53	45	-	-	9.4	
	The Lizard	240	26.8	0	SW'W	2	c	59	75	52	8	8	2	-	7.8	9+	1500	25.9	+4	SW	2	c	59	85	53	8	8	6	-	7.8	9+	1500	0	3	66	56	45	-	-	9.7	
	Scilly (St. Mary's)	163	26.8	0	SW'S	3	c	60	85	55	8	5	-	-	10	10	1500	25.2	0	SW'S	3	c-bc	59	85	56	8	5	-	-	7.8	7.8	1200	0	3	67	59	45	-	-	9.7	
	Guernsey	175	26.8	0	SW'S	3	c	60	85	55	8	5	-	-	10	10	1500	25.2	0	SW'S	3	c-bc	59	85	56	8	5	-	-	7.8	7.8	1200	0	3	67	59	45	-	-	9.7	
6	Pembroke	142	25.5	-2	SW	4	c	60	75	53	8	5	-	-	9+	9+	2500	24.8	+4	SSW	4	c	60	85	54	8	8	2	-	7.8	10	2500	0	4	63	56	45	-	-	1.3	
	Holyhead (Valley)	32	23.3	+6	SSW	6	b	58	85	54	8	-	4	1	0	1	-	23.3	+6	SSW	5	c	59	85	54	8	5	-	-	9+	9+	3000	1	4	61	56	54	0.6	-	*	
	Chester (Sealand)	16	22.8	+2	W'S	1	bc	59	75	51	6	5	2	-	Tr	2.3	2500	23.2	+6	S	1	b-bc	55	85	50	8	-	-	4	0	2.3	-	1	62	52	42	0.3	-	0.1		
8	Manchester	235	23.1	+6	SW	3	b-bc	52	92	50	7	5	-	1	2.3	5700	23.5	+8	SE'S	2	c-bc	52	92	50	6	5	3	-	2.3	7.8	4000	1	*	60	51	45	0.1	Tr	*		
10	Spurn Head	29	22.4	-6	WSW	4	bc	58	85	51	7	1	-	-	4.6	4.6	2500	22.3	+8	W'N	4	c	59	85	53	7	5	3	-	7.8	9+	2500	1	4	64	57	45	1	0.4	0.4	
	Catterick	175	20.9	+4	S	1	c-bc	59	85	55	6	5	7	-	4.6	7.8	1400	21.6	+12	WSW	3	c-bc	59	85	54	8	5	3	-	4.6	7.8	1800	1	*	61	58	54	6	1	0.0	
	Tynemouth	108	19.7	0	W	4	c-bc	60	85	54	7	8	-	-	7.8	7.8	1500	19.5	+2	W	4	bc	61	85	57	7	5	3	-	2.3	4.6	1500	1	3	61	57	6	4	*	*	
11	St. Abbs Head	280	16.0	0	SSW	3	c/pr	59	85	55	7	5	-	-	9	9	1500	16.9	+8	W	3	bc	61	85	56	7	4	4	-	4.6	4.6	3500	0	3	67	56	45	7	0.1	*	
	Leuchars	36	15.8	+6	W	2	c	58	97	56	7	5	3	8	4.6	7.8	2500	16.6	+4	WSW	3	c-bc	58	97	57	8	2	4	6	1	7.8	2500	1	*	60	57	53	3	Tr	0.0	
12	Renfrew (Abbots L.)	19	18.2	+4	SW	3	c/d	59	92	56	6	5	-	-	10	10	1500	18.7	+4	SSW	2	bc	59	92	56	6	5	7	-	7.8	10	1200	1	*	58	56	50	5	1	0.0	
	Esksdalemuir	794	18.2	+4	SW	3	c	59	92	56	6	5	-	-	10	10	1500	18.7	+4	SSW	2	bc	59	92	56	6	5	7	-	7.8	10	1200	1	*	58	56	50	5	1	0.0	
	Point of Ayre	30	20.7	+2	W'S	5	c	59	85	55	8	6	2	-	4.6	10	2000	20.8	0	W	4	c	58	85	54	8	5	7	-	9	10	2000	1	3	60	57	4	4	0.1	0.1	
13a	Tiree	22	16.7	+14	SWW	5	dodo	57	97	57	6	2	-	-	10	10	500	16.3	+2	SW'S	5	dodo	57	97	55	5	5	-	-	10	10	400	1	5	57	56	45	6	1	0.0	
13b	Sornoway	80	10.8	+10	-	0	c	56	92	54	8	5	7	-	7.8	9+	2000	10.1	+18	SW	5	c-bc	58	92	57	8	5	7	-	4.6	7.8	2500	1	3	58	55	45	0.4	-	0.0	
15	Dalwhinnie	1176	13.9	+6	-	0	c	59	92	56	8	5	7	-	2.3	9+	2500	16.0	+2	SW	2	c	57	85	54	7	5	-	-	9+	9+	1500	1	*	56	55	50	1	Tr	0.0	
	Aberdeen	79	13.9	+6	-	0	c	59	92	56	8	5	7	-	2.3	9+	2500	15.6	+12	-	0	bc	58	97	56	6	5	4	-	9	9	4500	1	1	56	55	52	6	-	0.0	
	Wick	114	13.0	+6	-	0	c	56	97	54	6	5	-	-	7.8	10	900																								

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

SECRET

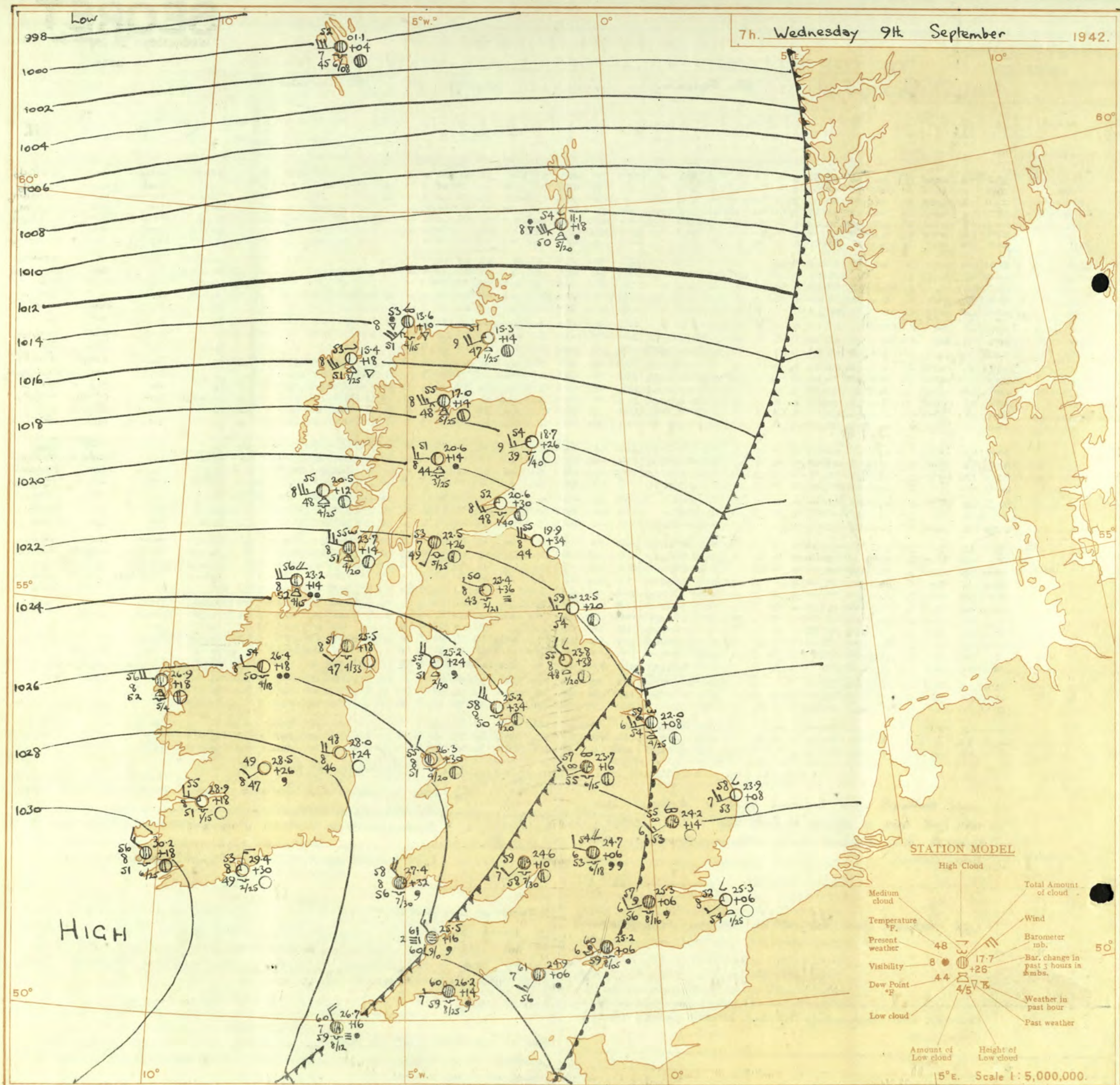
Wednesday 9th September 1942

No. 29511

[illegible]

DISTRICTS.		FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Wednesday 9th September.	
1 S.E. England	Light Northwest wind becoming North or Northeast; dull with light rain or drizzle at first; fair or fine weather spreading from Northwest during afternoon; temperature rather below average.	16 Orkneys and Shetlands	gale in Orkney and Shetland; cloudy occasional slight rain; average temperature.
2 E. England ...		17 N. W. Ireland	Light or moderate Southwest wind, fair or fine; average temperature.
3 E. Midlands ...		18 N. E. Ireland	
4 W. Midlands		19 S. E. Ireland	Light variable wind; fine; rather warm during day.
5 S.W. England		20 S. W. Ireland	
6 South Wales	Light Northwest wind fair or fine; average temperature.	GENERAL INFERENCE A trough of low pressure lying across the Midlands and Southwest England is moving Southeast; an anticyclone is building up over Southwest districts of the British Isles. Weather will become fair or fine over most of the country, but in the extreme North there will be strong Southwest winds much cloud and occasional slight rain.	
7 North Wales		FURTHER OUTLOOK Fair or fine over most of the country, cloudy with rain at times in the extreme North. Gale warning in operation in districts 13(A & B) 15 and 16. Time of issue 0700- 9/9/42	
8 N.W. England			
9 N. Midlands ...			
10 N.E. England			
11 S.E. Scotland	Moderate West wind, mainly fair but variable cloud; average temperature.	FURTHER OUTLOOK Fair or fine over most of the country, cloudy with rain at times in the extreme North. Gale warning in operation in districts 13(A & B) 15 and 16. Time of issue 0700- 9/9/42	
12 S.W. Scotland & Isle of Man			
13A W. Scotland ...	As 15-16.		
13B N.W. Scotland	As 12-13A.		
14 Mid Scotland	Fresh west southwest wind, strong at exposed places, perhaps	Forecasts issued at 10.30.	
15 N.E. Scotland		N. K. JOHNSON, D.Sc., A.R.C.S., Director. Meteorological Office, Air Ministry, Kingsway, London, W.C.2.	

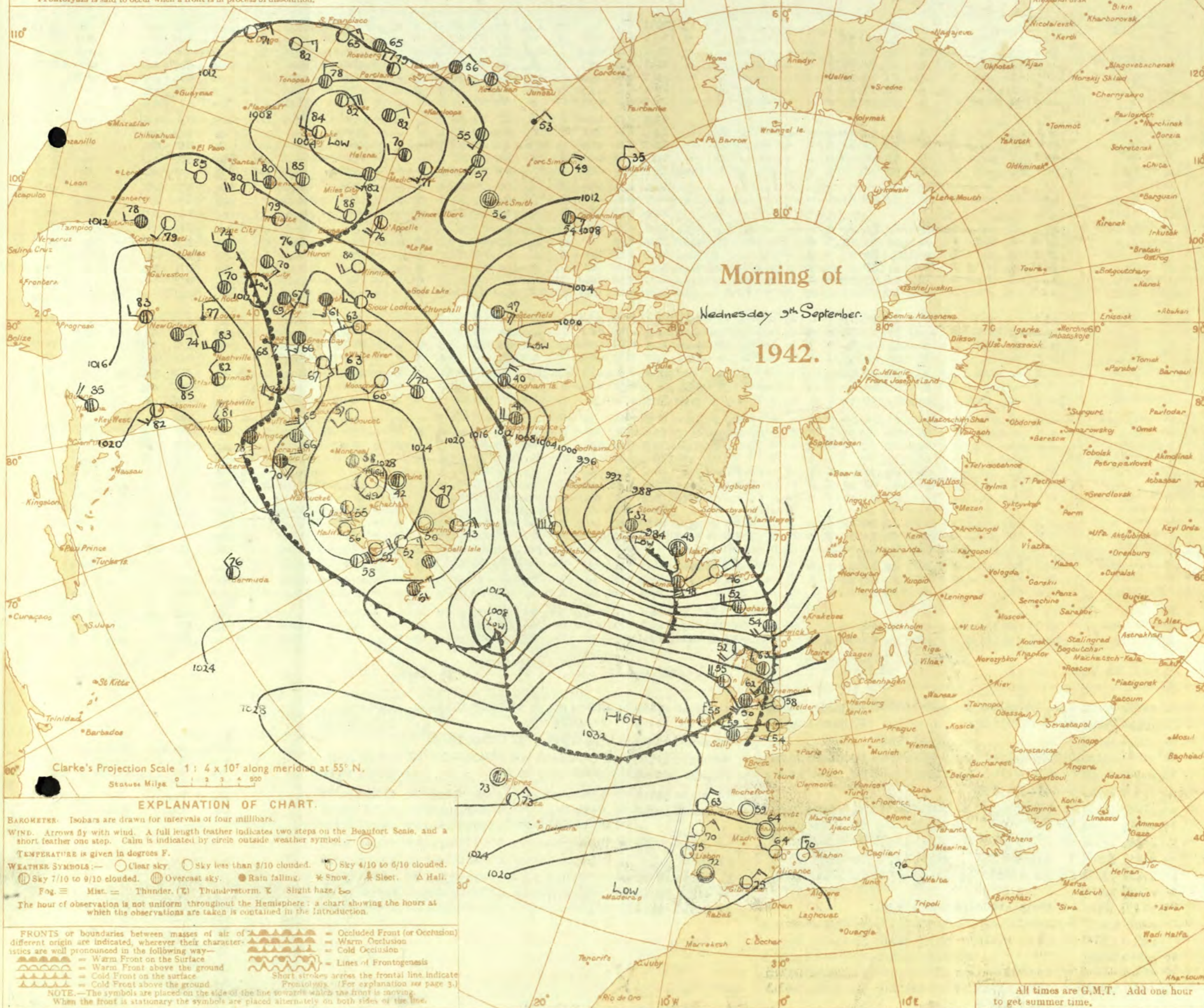
N. K. JOHNSON, D.Sc., A.R.C.S., Director,
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below.)
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



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

Wednesday 9th September 1942

No. 29511

OBSERVATIONS at 1 hr. G.M.T. 9th September.

OBSERVATIONS at 7 hr. G.M.T. 9th September.

PAST 24 HOURS.

District.		STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.					Barom. at M.S.L. (31)	Change in 3 hours. (32)	Wind.		Weather.	Temp. °F. (36)	Humid. % (37)	Dew Point. °F. (38)	Visibility. 0-9 (39)	Cloud.					Barom. at M.S.L. (46)	Change in 3 hours. (47)	Wind.		Weather.	Temp. °F. (51)	Humid. % (52)	Dew Point. °F. (53)	Visibility. 0-9 (54)	Cloud.					Barom. at M.S.L. (61)	Change in 3 hours. (62)	Wind.		Weather.	Temp. °F. (66)	Humid. % (67)	Dew Point. °F. (68)	Visibility. 0-9 (69)	Cloud.					Barom. at M.S.L. (76)	Change in 3 hours. (77)	Wind.		Weather.	Temp. °F. (81)	Humid. % (82)	Dew Point. °F. (83)	Visibility. 0-9 (84)	Cloud.					Barom. at M.S.L. (91)	Change in 3 hours. (92)	Wind.		Weather.	Temp. °F. (96)	Humid. % (97)	Dew Point. °F. (98)	Visibility. 0-9 (99)	Cloud.					Barom. at M.S.L. (106)	Change in 3 hours. (107)	Wind.		Weather.	Temp. °F. (111)	Humid. % (112)	Dew Point. °F. (113)	Visibility. 0-9 (114)	Cloud.					Barom. at M.S.L. (121)	Change in 3 hours. (122)	Wind.		Weather.	Temp. °F. (126)	Humid. % (127)	Dew Point. °F. (128)	Visibility. 0-9 (129)	Cloud.					Barom. at M.S.L. (136)	Change in 3 hours. (137)	Wind.		Weather.	Temp. °F. (141)	Humid. % (142)	Dew Point. °F. (143)	Visibility. 0-9 (144)	Cloud.					Barom. at M.S.L. (151)	Change in 3 hours. (152)	Wind.		Weather.	Temp. °F. (156)	Humid. % (157)	Dew Point. °F. (158)	Visibility. 0-9 (159)	Cloud.					Barom. at M.S.L. (166)	Change in 3 hours. (167)	Wind.		Weather.	Temp. °F. (171)	Humid. % (172)	Dew Point. °F. (173)	Visibility. 0-9 (174)	Cloud.					Barom. at M.S.L. (181)	Change in 3 hours. (182)	Wind.		Weather.	Temp. °F. (186)	Humid. % (187)	Dew Point. °F. (188)	Visibility. 0-9 (189)	Cloud.					Barom. at M.S.L. (196)	Change in 3 hours. (197)	Wind.		Weather.	Temp. °F. (201)	Humid. % (202)	Dew Point. °F. (203)	Visibility. 0-9 (204)	Cloud.					Barom. at M.S.L. (211)	Change in 3 hours. (212)	Wind.		Weather.	Temp. °F. (216)	Humid. % (217)	Dew Point. °F. (218)	Visibility. 0-9 (219)	Cloud.					Barom. at M.S.L. (226)	Change in 3 hours. (227)	Wind.		Weather.	Temp. °F. (231)	Humid. % (232)	Dew Point. °F. (233)	Visibility. 0-9 (234)	Cloud.					Barom. at M.S.L. (241)	Change in 3 hours. (242)	Wind.		Weather.	Temp. °F. (246)	Humid. % (247)	Dew Point. °F. (248)	Visibility. 0-9 (249)	Cloud.					Barom. at M.S.L. (256)	Change in 3 hours. (257)	Wind.		Weather.	Temp. °F. (261)	Humid. % (262)	Dew Point. °F. (263)	Visibility. 0-9 (264)	Cloud.					Barom. at M.S.L. (271)	Change in 3 hours. (272)	Wind.		Weather.	Temp. °F. (276)	Humid. % (277)	Dew Point. °F. (278)	Visibility. 0-9 (279)	Cloud.					Barom. at M.S.L. (286)	Change in 3 hours. (287)	Wind.		Weather.	Temp. °F. (291)	Humid. % (292)	Dew Point. °F. (293)	Visibility. 0-9 (294)	Cloud.					Barom. at M.S.L. (301)	Change in 3 hours. (302)	Wind.		Weather.	Temp. °F. (306)	Humid. % (307)	Dew Point. °F. (308)	Visibility. 0-9 (309)	Cloud.					Barom. at M.S.L. (316)	Change in 3 hours. (317)	Wind.		Weather.	Temp. °F. (321)	Humid. % (322)	Dew Point. °F. (323)	Visibility. 0-9 (324)	Cloud.					Barom. at M.S.L. (331)	Change in 3 hours. (332)	Wind.		Weather.	Temp. °F. (336)	Humid. % (337)	Dew Point. °F. (338)	Visibility. 0-9 (339)	Cloud.					Barom. at M.S.L. (346)	Change in 3 hours. (347)	Wind.		Weather.	Temp. °F. (351)	Humid. % (352)	Dew Point. °F. (353)	Visibility. 0-9 (354)	Cloud.					Barom. at M.S.L. (361)	Change in 3 hours. (362)	Wind.		Weather.	Temp. °F. (366)	Humid. % (367)	Dew Point. °F. (368)	Visibility. 0-9 (369)	Cloud.					Barom. at M.S.L. (376)	Change in 3 hours. (377)	Wind.		Weather.	Temp. °F. (381)	Humid. % (382)	Dew Point. °F. (383)	Visibility. 0-9 (384)	Cloud.					Barom. at M.S.L. (391)	Change in 3 hours. (392)	Wind.		Weather.	Temp. °F. (396)	Humid. % (397)	Dew Point. °F. (398)	Visibility. 0-9 (399)	Cloud.					Barom. at M.S.L. (406)	Change in 3 hours. (407)	Wind.		Weather.	Temp. °F. (411)	Humid. % (412)	Dew Point. °F. (413)	Visibility. 0-9 (414)	Cloud.					Barom. at M.S.L. (421)	Change in 3 hours. (422)	Wind.		Weather.	Temp. °F. (426)	Humid. % (427)	Dew Point. °F. (428)	Visibility. 0-9 (429)	Cloud.					Barom. at M.S.L. (436)	Change in 3 hours. (437)	Wind.		Weather.	Temp. °F. (441)	Humid. % (442)	Dew Point. °F. (443)	Visibility. 0-9 (444)	Cloud.					Barom. at M.S.L. (451)	Change in 3 hours. (452)	Wind.		Weather.	Temp. °F. (456)	Humid. % (457)	Dew Point. °F. (458)	Visibility. 0-9 (459)	Cloud.					Barom. at M.S.L. (466)	Change in 3 hours. (467)	Wind.		Weather.	Temp. °F. (471)	Humid. % (472)	Dew Point. °F. (473)	Visibility. 0-9 (474)	Cloud.					Barom. at M.S.L. (481)	Change in 3 hours. (482)	Wind.		Weather.	Temp. °F. (486)	Humid. % (487)	Dew Point. °F. (488)	Visibility. 0-9 (489)	Cloud.					Barom. at M.S.L. (496)	Change in 3 hours. (497)	Wind.		Weather.	Temp. °F. (501)	Humid. % (502)	Dew Point. °F. (503)	Visibility. 0-9 (504)	Cloud.					Barom. at M.S.L. (511)	Change in 3 hours. (512)	Wind.		Weather.	Temp. °F. (516)	Humid. % (517)	Dew Point. °F. (518)	Visibility. 0-9 (519)	Cloud.					Barom. at M.S.L. (526)	Change in 3 hours. (527)	Wind.		Weather.	Temp. °F. (531)	Humid. % (532)	Dew Point. °F. (533)	Visibility. 0-9 (534)	Cloud.					Barom. at M.S.L. (541)	Change in 3 hours. (542)	Wind.		Weather.	Temp. °F. (546)	Humid. % (547)	Dew Point. °F. (548)	Visibility. 0-9 (549)	Cloud.					Barom. at M.S.L. (556)	Change in 3 hours. (557)	Wind.		Weather.	Temp. °F. (561)	Humid. % (562)	Dew Point. °F. (563)	Visibility. 0-9 (564)	Cloud.					Barom. at M.S.L. (571)	Change in 3 hours. (572)	Wind.		Weather.	Temp. °F. (576)	Humid. % (577)	Dew Point. °F. (578)	Visibility. 0-9 (579)	Cloud.					Barom. at M.S.L. (586)	Change in 3 hours. (587)	Wind.		Weather.	Temp. °F. (591)	Humid. % (592)	Dew Point. °F. (593)	Visibility. 0-9 (594)	Cloud.					Barom. at M.S.L. (601)	Change in 3 hours. (602)	Wind.		Weather.	Temp. °F. (606)	Humid. % (607)	Dew Point. °F. (608)	Visibility. 0-9 (609)	Cloud.					Barom. at M.S.L. (616)	Change in 3 hours. (617)	Wind.		Weather.	Temp. °F. (621)	Humid. % (622)	Dew Point. °F. (623)	Visibility. 0-9 (624)	Cloud.					Barom. at M.S.L. (631)	Change in 3 hours. (632)	Wind.		Weather.	Temp. °F. (636)	Humid. % (637)	Dew Point. °F. (638)	Visibility. 0-9 (639)	Cloud.					Barom. at M.S.L. (646)	Change in 3 hours. (647)	Wind.		Weather.	Temp. °F. (651)	Humid. % (652)	Dew Point. °F. (653)	Visibility. 0-9 (654)	Cloud.					Barom. at M.S.L. (661)	Change in 3 hours. (662)	Wind.		Weather.	Temp. °F. (666)	Humid. % (667)	Dew Point. °F. (668)	Visibility. 0-9 (669)	Cloud.					Barom. at M.S.L. (676)	Change in 3 hours. (677)	Wind.		Weather.	Temp. °F. (681)	Humid. % (682)	Dew Point. °F. (683)	Visibility. 0-9 (684)	Cloud.					Barom. at M.S.L. (691)	Change in 3 hours. (692)	Wind.		Weather.	Temp. °F. (696)	Humid. % (697)	Dew Point. °F. (698)	Visibility. 0-9 (699)	Cloud.					Barom. at M.S.L. (706)	Change in 3 hours. (707)	Wind.		Weather.	Temp. °F. (711)	Humid. % (712)	Dew Point. °F. (713)	Visibility. 0-9 (714)	Cloud.					Barom. at M.S.L. (721)	Change in 3 hours. (722)	Wind.		Weather.	Temp. °F. (726)	Humid. % (727)	Dew Point. °F. (728)	Visibility. 0-9 (729)	Cloud.					Barom. at M.S.L. (736)	Change in 3 hours. (737)	Wind.		Weather.	Temp. °F. (741)	Humid. % (742)	Dew Point. °F. (743)	Visibility. 0-9 (744)	Cloud.					Barom. at M.S.L. (751)	Change in 3 hours. (752)	Wind.		Weather.	Temp. °F. (756)	Humid. % (757)	Dew Point. °F. (758)	Visibility. 0-9 (759)	Cloud.					Barom. at M.S.L. (766)	Change in 3 hours. (767)	Wind.		Weather.	Temp. °F. (771)	Humid. % (772)	Dew Point. °F. (773)	Visibility. 0-9 (774)	Cloud.					Barom. at M.S.L. (781)	Change in 3 hours. (782)	Wind.		Weather.	Temp. °F. (786)	Humid. % (787)	Dew Point. °F. (788)	Visibility. 0-9 (789)	Cloud.					Barom. at M.S.L. (796)	Change in 3 hours. (797)	Wind.		Weather.	Temp. °F. (801)	Humid. % (802)	Dew Point. °F. (803)	Visibility. 0-9 (804)	Cloud.					Barom. at M.S.L. (811)	Change in 3 hours. (812)	Wind.		Weather.	Temp. °F. (816)	Humid. % (817)	Dew Point. °F. (818)	Visibility. 0-9 (819)	Cloud.					Barom. at M.S.L. (826)	Change in 3 hours. (827)	Wind.		Weather.	Temp. °F. (831)	Humid. % (832)	Dew Point. °F. (833)	Visibility. 0-9 (834)	Cloud.					Barom. at M.S.L. (841)	Change in 3 hours. (842)	Wind.		Weather.	Temp. °F. (846)	Humid. % (847)	Dew Point. °F. (848)	Visibility. 0-9 (849)	Cloud.					Barom. at M.S.L. (856)	Change in 3 hours. (857)	Wind.		Weather.	Temp. °F. (861)	Humid. % (862)	Dew Point. °F. (863)	Visibility. 0-9 (864)	Cloud.					Barom. at M.S.L. (871)	Change in 3 hours. (872)	Wind.		Weather.	Temp. °F. (876)	Humid. % (877)	Dew Point. °F. (878)	Visibility. 0-9 (879)	Cloud.					Barom. at M.S.L. (886)	Change in 3 hours. (887)	Wind.		Weather.	Temp. °F. (891)	Humid. % (892)	Dew Point. °F. (893)	Visibility. 0-9 (894)	Cloud.					Barom. at M.S.L. (901)	Change in 3 hours. (902)	Wind.		Weather.	Temp. °F. (906)	Humid. % (907)	Dew Point. °F. (908)	Visibility. 0-9 (909)	Cloud.					Barom. at M.S.L. (916)	Change in 3 hours. (917)	Wind.		Weather.	Temp. °F. (921)	Humid. % (922)	Dew Point. °F. (923)	Visibility. 0-9 (924)	Cloud.					Barom. at M.S.L. (931)	Change in 3 hours. (932)	Wind.		Weather.	Temp. °F. (936)	Humid. % (937)	Dew Point. °F. (938)	Visibility. 0-9 (939)	Cloud.					Barom. at M.S.L. (946)	Change in 3 hours. (947)	Wind.		Weather.	Temp. °F. (951)	Humid. % (952)	Dew Point. °F. (953)	Visibility. 0-9 (954)	Cloud.					Barom. at M.S.L. (961)	Change in 3 hours. (962)	Wind.		Weather.	Temp. °F. (966)	Humid. % (967)	Dew Point. °F. (968)	Visibility. 0-9 (969)	Cloud.					Barom. at M.S.L. (976)	Change in 3 hours. (977)	Wind.		Weather.	Temp. °F. (981)	Humid. % (982)	Dew Point. °F. (983)	Visibility. 0-9 (984)	Cloud.					Barom. at M.S.L. (991)	Change in 3 hours. (992)	Wind.		Weather.	Temp. °F. (996)	Humid. % (997)	Dew Point. °F. (998)	Visibility. 0-9 (999)	Cloud.					Barom. at M.S.L. (1006)	Change in 3 hours. (1007)	Wind.		Weather.	Temp. °F. (1011)	Humid. % (1012)	Dew Point. °F. (1013)	Visibility. 0-9 (1014)	Cloud.					Barom. at M.S.L. (1021)	Change in 3 hours. (1022)	Wind.		Weather.	Temp. °F. (1026)	Humid. % (1027)	Dew Point. °F. (1028)	Visibility. 0-9 (1029)	Cloud.					Barom. at M.S.L. (1036)	Change in 3 hours. (1037)	Wind.		Weather.	Temp. °F. (1041)	Humid. % (1042)	Dew Point. °F. (1043)	Visibility. 0-9 (1044)	Cloud.					Barom. at M.S.L. (1051)	Change in 3 hours. (1052)	Wind.		Weather.	Temp. °F. (1056)	Humid. % (1057)	Dew Point. °F. (1058)	Visibility. 0-9 (1059)	Cloud.					Barom. at M.S.L. (1066)	Change in 3 hours. (1067)	Wind.		Weather.	Temp. °F. (1071)	Humid. % (1072)	Dew Point. °F. (1073)	Visibility. 0-9 (1074)	Cloud.					Barom. at M.S.L. (1081)	Change in 3 hours. (1082)	Wind.		Weather.	Temp. °F. (1086)	Humid. % (1087)	Dew Point. °F. (1088)	Visibility. 0-9 (1089)	Cloud.					Barom. at M.S.L. (1096)	Change in 3 hours. (1097)	Wind.		Weather.	Temp. °F. (1101)	Humid. % (1102)	Dew Point. °F. (1103)	Visibility. 0-9 (1104)	Cloud.					Barom. at M.S.L. (1111)	Change in 3 hours. (1112)	Wind.		Weather.	Temp. °F. (1116)	Humid. % (1117)	Dew Point. °F. (1118)	Visibility. 0-9 (1119)	Cloud.					Barom. at M.S.L. (1126)	Change in 3 hours. (1127)	Wind.		Weather.	Temp. °F. (1131)	Humid. % (1132)	Dew Point. °F. (1133)	Visibility. 0-9 (1134)	Cloud.					Barom. at M.S.L. (1141)	Change in 3 hours. (1142)	Wind.		Weather.	Temp. °F. (1146)	Humid. % (1147)	Dew Point. °F. (1148)	Visibility. 0-9 (1149)	Cloud.					Barom
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SECRET

Thursday 10 September 1942

No. 29512

Page 1

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

OBSERVATIONS at 13h. G.M.T. 9th September															OBSERVATIONS at 18h. G.M.T. 9th September															PAST 24 HOURS.										
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	°C. (7)	Humid. % (8)	Dew Point. °F. (9)	°C. (10)	Visiblity. m. (11)	Cloud.				Barom. at M.S.L. mt. (16)	Change in 3 hours. (17)	Wind.		Weather. (20)	Temp. °F. (21)	°C. (22)	Humid. % (23)	Dew Point. °F. (24)	°C. (25)	Visiblity. m. (26)	Cloud.				State of Ground. (31)	Sea. (32)	WEATHER.						
				Dir. (3)	Force. 0-12 (4)								Form. (10)	Amount. Low 0-10 Total 0-10 (13) (14)	Height of Base. (feet) (15)	Dir. (18)			Force 0-12 (19)	Form. (25)								Amount. Low 0-10 Total 0-10 (28) (29)	Height of Base. (feet) (30)	7h.—13h. 9th. (39)	13h.—18h. 9th. (40)			18h.—9th to 10th. (41)	1h.—7h. 10th. (42)					
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	27.2 26.7 27.2 27.3 26.8 26.8 26.6	+2 +4 +2 +8 +2 +6 +6	NNW NNW NNW NNW NE WNW WNW	2 2 1 2 2 2 1	c/a c c c c-bc cb cb	66 63 65 65 69 63 62	75 92 75 95 75 85 92	59 60 58 60 62 59 60	6 6 7 7 8 6 5	7 5 5 5 5 5 6	3 - - - 3 2 2	- - - - 4-6 9 9	7-8 10 10 10 2500 10 10	2500 800 800 1000 2500 800 500	28.0 27.2 27.3 28.7 27.8 27.8 17.5	+6 +2 +1 +6 +4 +10 +6	NNW NNW NNW NNW NNW NNW NE	2 0 1 2 2 2 1	b b b b b b z	68 65 68 65 67 63 63	48 85 85 55 75 85 92	47 60 49 51 60 88 60	7 8 6 8 6 7 6	- - - - - - -	- - - - - - -	0 Tr Tr Tr 7-8 7-8 Tr	0 Tr Tr 1 4000 4000 1500 800	- - - - - - -	1 1 0 0 0 0 0	*	*	*	*	*	*	dcidcmo cd. Gsm cmobdc c cbc bcmobdc cd. Gsm	cbcb cbcb cbcb cbcb cbcb cbcb cbcb	bbscw bbscw bbscw bbscw bbscw bbscw bbscw	cbmow cmf bF bcmow bcmow bcmow bcmow bcmow
2	Shoeburyness Felixstowe Surrey Mildenhall Cranwell	27.6 26.3 25.5 26.1 26.3	+8 +4 +4 +6 +10	WSW WNW WNW W WNW	2 2 3 2 3	id id id c z	64 64 62 68 68	92 85 55 55 45	61 60 49 60 48	5 6 6 6 6	5 5 6 7 6	- - - - -	- - - - -	10 10 10 7-8 0	10 2500 800 91 0	1500 2500 800 2000 -	27.5 28.2 28.2 28.2 28.4	+4 +18 +18 +18 +14	SE NE NE ENE NW	2 2 2 2 3	b-bc c b-bc b z	64 62 60 63 64	85 85 75 55 55	60 58 50 55 49	5 7 7 8 6	- - - - -	- - - - -	2-3 9 0 0 0	2-3 1100 - - -	2500 - - - -	0 0 1 0 0	*	*	*	*	*	cidomo cmobdc cmobdc cidomo cidomo	bc cbcb bc cbcb cbcb	bc bcmow bcmow bcmow bcmow	bbscw bcmow bcmow bcmow bcmow
3	Birmingham Upper Heyford Ross-on-Wye	28.1 26.8 27.6	+10 +4 +4	NW N N	3 3 3	b z b	64 68 67	55 65 65	46 55 54	8 6 8	- 1 1	- 4 -	- 2-3 2-3	0 2-3 1	0 4000 3500	29.3 28.6 28.8	+12 +14 +10	NNW N NE	3 2 2	b z b	60 63 65	55 55 55	45 49 47	8 6 8	- - -	- - -	0 0 Tr	0 0 3500	- - -	1 0 0	*	*	*	*	*	cidomo cidomo cidomo	bbscw bcmow bcmow	bbscw bcmow bcmow		
5	Hartland Point Bristol Portland Bill Plymouth The Lizard Scilly (St. Mary's) Guernsey	29.4 28.1 27.8 28.6 29.2 30.2 30.0	+10 +2 +8 +10 +8 +10 +10	NNE NE W NNW NNE NNE NE	3 3 2 3 2 2 4	b c-bc c bc bc bc b	59 68 64 64 66 66 63	85 75 61 75 75 75 86	52 61 61 58 59 58 58	8 8 7 8 8 8 8	1 2 3 3 3 3 5	- 6 - - - - -	- - - - - - -	Tr 7-8 10 4-6 4-6 4-6 1	Tr 4000 2500 2000 1500 1200 -	29.3 29.1 29.0 29.0 29.4 29.0 30.7	+4 +8 +8 +6 +2 +2 +2	N NE N N N N N	4 2 2 3 3 3 4	c b-bc c b b-bc b b	60 65 64 64 61 65 59	85 85 85 85 85 85 85	56 53 61 52 52 52 55	8 8 8 8 8 8 8	- - - - - - -	- - - - - - -	2 Tr 10 1 2-3 2-3 0	9+ 4000 4000 - 2500 2500 -	- 1 1 - 1 - -	0 1 3 2 1 0 4	*	*	*	*	*	Fidcodeb cbcb cc cbc ccbc cbcb	cbcb cbcb bcc by bc bbscw	bbscw bcmow bcmow bcmow bcmow bcmow bcmow	bbscw bcmow bcmow bcmow bcmow bcmow bcmow	
6	Pembroke	30.4	+8	NNW	4	b	62	75	54	8	1	-	-	1	1	3000	31.2	+4	NNW	4	b-bc	60	75	52	8	-	-	4	0	2-3	-	0	2	bbscw	bbscw	bbscw				
7	Holyhead (Valley)	29.9	+8	NW	3	b	61	75	52	8	1	-	-	1	1	2500	30.3	+2	SW	1	b	59	75	51	8	-	-	4	0	1	-	0	1	bbscw	bbscw	bbscw				
8	Chester (Sealand)	28.7	+8	NW	4	b-bc	62	65	49	8	1	-	-	2-3	2-3	4500	29.9	+4	NNW	3	b	59	75	50	8	-	-	1	0	Tr	-	0	*	cbcb	bbscw	bbscw				
10	Spurn Head Catterick Tynemouth	26.6 26.8 26.0	+20 +6 +4	NNE WNW W	3 4 4	b b b-bc	64 65 64	65 45 55	50 44 48	7 8 7	- 1 1	- - -	- 1 2-3	0 1 2-3	- 4000 2500	28.5 28.7 27.4	+8 +14 +14	SSE NW W	2 1 3	b-bc b bc	60 61 62	75 65 65	52 47 49	7 8 7	- - 2	- - 4	2-3 1 2-3	2-3 3500 4-6	2500 - 2500	0 0 1	2 0 3	*	*	*	bbscw bbscw bbscw	bbscw bbscw bbscw	bbscw bbscw bbscw			
11	St. Abbs Head Leuchars	23.5 22.9	+4 +10	WNW W	3 4	bc b-bc	61 65	55 55	45 50	8 8	1 1	- -	- -	4-6 2-3	4-6 2-3	3500 3200	26.5 25.1	+22 +14	N WSW	3 4	b-bc c-bc	59 59	65 65	45 47	8 8	5 4	- 6	2-3 2-3	2-3 5000	4000 0	4 0	*	bbscw bbscw	bbscw bbscw	bbscw bbscw					
12	Renfrew (Abbots I.) Eskdalemuir Point of Ayre	24.5 26.0 28.5	+10 +14 +10	W WSW WNW	4 3 4	bc c-bc b	63 65 64	55 65 65	45 46 53	8 8 8	8 5 1	- - -	- - -	4-6 7-8 1	4-6 7-8 1	2000 2200 2500	27.1 28.0 29.2	+10 +10 0	WSW WSW NNW	3 2 2	c-bc b-bc b	57 56 60	65 65 85	45 44 54	8 8 8	4 7 5	- 1 -	7-8 2-3 1	2500 2600 6000	0 1 0	0 0 3	*	*	*	bbscw bbscw bbscw	bbscw bbscw bbscw	bbscw bbscw bbscw			
13A	Tiree	24.2	+12	W'S	5	c/p	57	85	51	7	8	-	-	Tr	9	1500	25.7	+4	WSW	4	bc	56	75	49	8	8	-	-	4-6	4-6	2500	0	4	bbscw	bbscw	bbscw				
13B	Stornoway	19.2	+22	WSW	6	c-bc	56	75	48	8	2	6	-	4-6	7-8	2500	21.5	+10	WSW	5	c/p	55	85	49	8	8	7	-	7-8	9+	2000	1	3	bbscw	bbscw	bbscw				
15	Dalwhinnie Aberdeen Wick	22.8 21.1 18.4	+18 +6 +18	WSW W'N WSW	3 4 5	c b-bc bc	55 65 62	65 45 55	45 43 48	8 9 8	8 5 2	- 4 -	- 2-3 4-6	9 2-3 4-6	2500 4000 2500	24.3 23.3 20.7	+12 +8 +14	WSW SW W	3 1 5	bc bc bc	50 60 56	75 55 65	42 41 46	8 8 9	8 4 7	- 6 7	4-6 1 4-6	2500 3500 3500	0 0 0	0 1 0	*	*	*	bbscw bbscw bbscw	bbscw bbscw bbscw	bbscw bbscw bbscw				
16	Sumburgh	13.8	+14	W'S	7	bc	53	85	51	7	8	-	-	4-6	4-6	2000	16.3	+14	WSW	7	bc	54	85	50	7	8	-	-	4-6	4-6	2000	1	5	bbscw	bbscw	bbscw				
17	Blackod Point	29.7	+10	WSW	5	c-bc	61	75	53	8	8	-	-	7-8	7-8	2500	29.9	-2	W'S	3	bc	58	75	50	8	8	-	-	4-6	4-6	2500	0	3	bbscw	bbscw	bbscw				
18	Malin Head Aldergrove	26.5 27.7	+16 +6	W WSW	5 3	b-bc c/p	59 62	85 65	54 48	8 8	2 8	- -	- -	2-3 4-6	2-3 4-6	1500 2500	27.6 29.3	+2 +8	WNW W'S	5 2	pr bc	56 59	65 65	44 48	8 8	2 4	- -	4-6 4-6	7-8 3000	2500 0	1 0	4 *	bbscw bbscw	bbscw bbscw	bbscw bbscw					
19	Birr Castle	30.2	+8	WNW	2	bc	65	65	53	8	1	-	-	4-6	4-6	2500	30.7	0	WNW	2	bc	61	65	49	8	4	-	8	2-3	4-6	2500	1	*	bbscw	bbscw	bbscw				
20	Valentia Obay. Roches Point	32.2 31.3	+6 +4	WNW N	3 3	bc bc	62 64	75 75	54 56	8 8	2 1	- -	- 1	4-6 4-6	4-6 4-6	1500 4000	32.3 31.0	-2 -6	WNW N	2 3	b-bc b	60 63	85 75	56 55	8 9	1 1	- -	2-3 Tr	2-3 14000	2500 1	3 3	*	*	bbscw bbscw	bbscw bbscw	bbscw bbscw				
DISTRICTS.															FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Thursday 10th September																									
1	S.E. England	Light or moderate Southwest wind; fair: average temperature.													16	Orkneys and Shetlands	As 13A-15																							
2	E. England														17	N.W. Ireland																								
3	E. Midlands														18</																									

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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below.)
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



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

Thursday 10th September 1942

No. 23512

OBSERVATIONS at 7 hr. G.M.T. 10th September.																OBSERVATIONS at 7 hr. G.M.T. 10th September.																PAST 24 HOURS.																																																																																																																																																																																																			
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visiblity.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visiblity.	Cloud.			Barom. at M.S.L.	Change in 3 hours.	TEMPERATURE.					RAINFALL.		SUNSHINE.																																																																																																																																																																																															
					Dir.	Force.						Form.	Amount.	Height of Base (feet).			Dir.	Force.						Form.	Amount.	Height of Base (feet).			State of Sky.	Sea.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.																																																																																																																																																																																																
																																					Low.	Med.	High.	Low.	Med.	High.	Low.	Med.	High.	Low.	Med.	High.																																																																																																																																																																																			
1	London (Kew) ... 18 Croydon ... 290 S. Farnborough ... 226 Boscombe Down ... 417 Thorney Island ... 10 Lymington ... 283 Manston ... 154	30.0 30.6 31.0 30.0 30.1 30.4	+6 +4 +4 +2 +4 +2	0 0 1 3 0 0	0 0 1 1 0 0	0 0 1 1 0 0	0 0 1 1 0 0	57 58 50 51 56 53	85 85 92 85 75 92	54 48 48 47 51 51	4 6 6 6 2 6	5 5 - - - -	0 0 0 0 0 0	32.4 31.4 31.1 31.6 31.1 31.8 31.7	+14 +10 +16 +8 +10 +14 +10	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	54 53 48 50 55 52 56	92 97 97 97 97 97 92	52 53 47 50 54 52 53	6 1 6 6 6 7 8	0 0 0 0 0 0 0	0 0 0 0 0 0 0	1 1 1 1 1 1 1	0 0 0 0 0 0 0	4 4 4 4 4 4 4	2 2 2 2 2 2 2	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T. 9th. Sept.18h. G.M.T.										01h. G.M.T. 10th. Sept.07h. G.M.T.										13h. G.M.T. 9th. Sept.18h. G.M.T.										01h. G.M.T. 10th. Sept.07h. G.M.T.									
III C ₁	wwVhN ₁	DDFWN	C ₁	wwVhN ₁	DDFWN	C ₁	wwVhN ₁	DDFWN	C ₁	III C ₁	wwVhN ₁	DDFWN	C ₁	wwVhN ₁	DDFWN	C ₁	wwVhN ₁	DDFWN	C ₁	III C ₁	wwVhN ₁	DDFWN	C ₁	wwVhN ₁	DDFWN	C ₁	wwVhN ₁	DDFWN	C ₁										
109 7-	01755	84705	70	05654	55704	50	02754	55524	57	02854	52426	338 1-	00862	30312	10	01861	30203	50	01851	00001	50	04942	00027	339 1-	00862	30312	10	01861	30203	50	01851	00001	50	04942	00027				
115			87	14844	91686	57	14844	97626	57	14844	53626	334 --	00790	26201	--	01771	26212				--	04309	00020	340 14	01861	30311	44	01762	31212	00	05630	18100	00	05630	16100				
203						8-	02848	20528				340 14	01861	30311	44	01762	31212	00	05630	18100	00	05630	16100	336 00	00790	32400	00	00790	06200	00	05630	22100	00	05630	24146				
208 8-	01864	55514	20	01864	24218	5-	02855	22425	54	02865	18325	336 00	00790	32400	00	00790	06200	00	05630	22100	00	05630	24146	350 03	01790	26464	00	00790	28300	00	05630	32200	03	08590	00014				
210 20	02855	22515	46	02863	22317	5-	02866	18416	03	02990	18327	350 03	01790	26464	00	00790	28300	00	05630	32200	03	08590	00014	350 50	01851	00011	40	01853	30214	00	00790	32110	00	05630	07201				
220 20	01754	23414										350 50	01851	00011	40	01853	30214	00	00790	32110	00	05630	07201	370 10	01852	28222	00	00790	32300				50	01744	04214				
230 86	25855	53585	86	10854	20485	5-	01853	33323	52	21844	18157	370 10	01852	28222	00	00790	32300						50	01744	04214	390 57	01546	28357	00	05651	32211	--	48109	00049	5-	45116	00046		
245 03	22164	40204	10	02963	22204	00	00990	22300	03	02990	20217	390 57	01546	28357	00	05651	32211	--	48109	00049	5-	45116	00046	382 87	05653	31226	00	05630	32100	00	05630	00000	5-	05565	00015				
260 20	01863	57413	20	02864	24414	50	01762	24212	53	01742	23214	438			5-	02547	01127						40	01742	05630										02312				
278 8-	01854	26314	86	02857	28317	00	00790	20210	54	05631	14217	430 53	02755	02227	53	02764	28127	00	05630	32200	00	05630	28112	409 10	01862	31422	00	01890	32413	00	00790	04300	40	01851	10302				
279 2-	02856	21520	40	02855	22325	04	01890	18121	54	05752	19117	409 10	01862	31422	00	01890	32413	00	00790	04300	40	01851	10302	III															
285 10	01853	27613	10	00852	28612				13	05623	02214	III												ww, W															
288 50	01963	24403	40	01863	24313	00	00790	17200	00	05590	18215	ww, W												h, Nh															
575 10	01854	57414	13	01851	26411	00	00790	22200	50	02744	18215	N												C ₁ M ₁															
301 10	01863	26413	00	01890	59311	00	00790	26300	5-	08464	14115	V												DD															
321 00	00790	28410				00	05590	10100	00	41490	--045	DD												†															
299 00	00790	32200	50	01764	18114	00	00790	20200	57	01763	20214	†												01h.															
292 10	01902	25302	40	01863	24303	00	00790	00000	00	45190	00044	01h.												01h.															
310 --	01643	26313				--			--	01642	26212	01h.												01h.															
614 00	05690	26100	00	05630	26100	00	05590	28100	10	45390	24144	01h.												01h.															

SECRET

Friday 11th September 1942

No 29513

Page 1

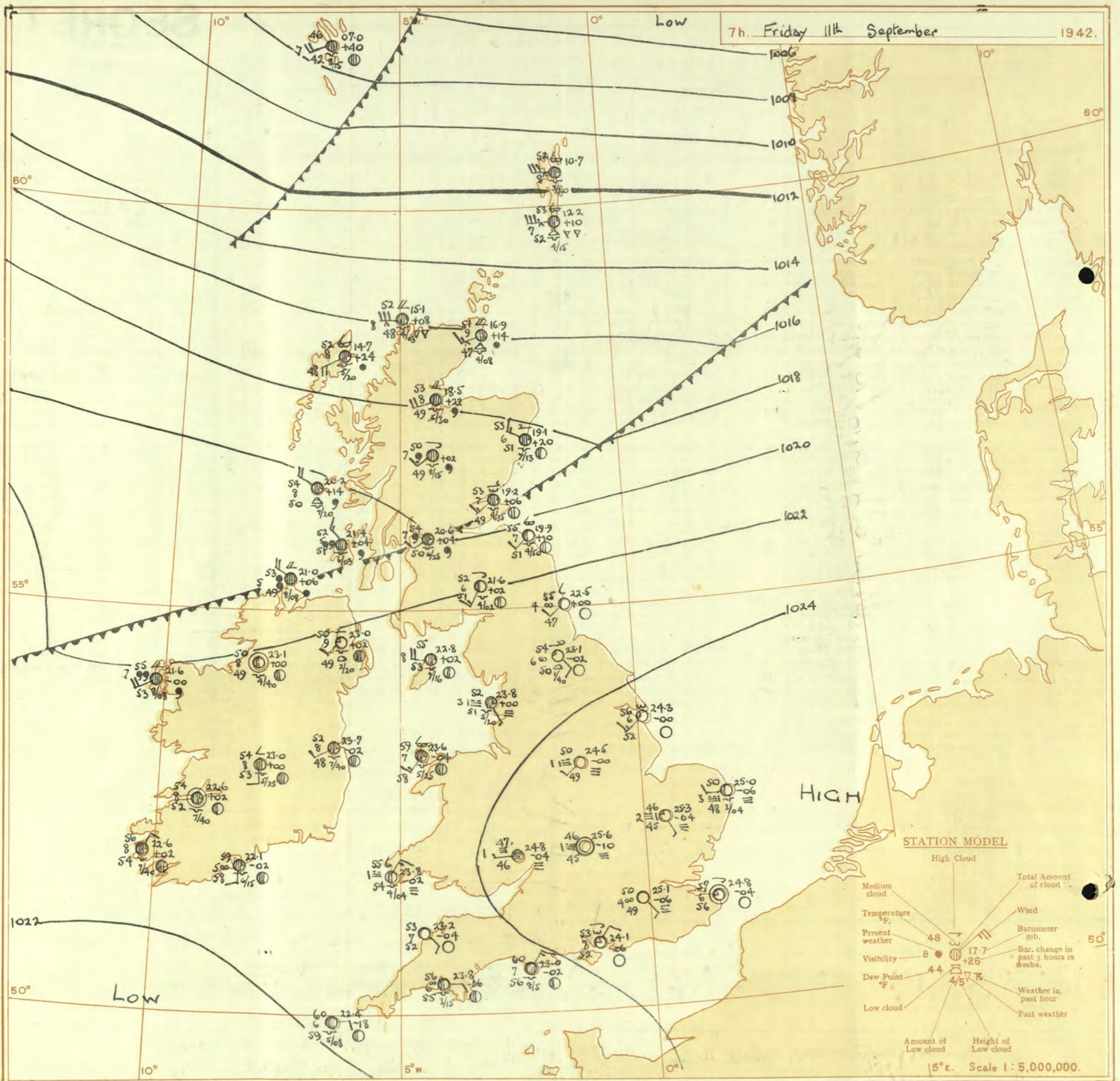
BRITISH
SECTIONTHE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

OBSERVATIONS at 13h. G.M.T. 10th September

OBSERVATIONS at 18h. G.M.T. 10th September

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. M.S.L. (16)	Change in 8 hours. (17)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.					State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.											
				Dir. (3)	Force. (4)						Form.	Amount. (12)	Height of Base (feet) (15)	Dir. (18)	Force (19)			Form.	Amount (28)						Height of Base (feet) (30)	7h.—13h. 10h. (39)	13h.—18h. 10h. (40)	18h.—10h. 11h. (41)	1h.—7h. 11h. (42)														
																																Low.	Med.	High	Low	Total 0-10	Low	Med.	High	Low	Total 0-10	1h.—11h.	11h.—
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	30.1 29.9 30.1 30.0 30.3 30.5 30.3	-16 -14 -18 -14 -8 -10 -10	SW SSE ESE SE'S SE E E	1 1 1 1 3 2 2	bc bc bc b-bc bc b-bc bc	68 70 72 70 68 66 65	55 55 55 55 65 65 65	50 50 50 50 54 54 53	6 7 7 7 8 8 8	- - - - - - 1	- - - - - - -	1 2-3 Tr 0 0 Tr Tr	2-3 4-6 4-6 2-3 4-6 2-3 4-6	27-6 27.5 27.4 27.5 27.7 28.3 28.4	-10 -6 -10 -10 -8 -6 -10	ESE ESE E SSW SE SE E'N	2 2 1 1 2 2 1	b-bc b-bc b-bc b-bc b-bc b-bc b	66 65 63 67 65 60 61	75 75 55 65 75 75 75	53 57 53 56 56 50 53	7 7 7 7 8 8 8	- - - - - - -	- - - - - - -	1 2 1 1 6 0 1	0 2-3 1 2-3 2-3 2-3 1	- - - - - - -	0 0 0 0 0 0 0	* * * * * \$ *	bcbwbzy Fbmoby bmbc cbcbnbcy bbc bmobcb bbc	bzyb bcb bcb bcb bcb bcb bcb	bbmw bbmw bbmw bbmw bbmw bbmw bmofgw	bffmw bmomw bmomw bfgwm bmofgw bmofgw bmofgw									
2	Shoeburyness Felixstowe Gorleston Mildenhall Cranwell	31.1 30.8 31.4 30.4 29.6	-10 -6 -4 -14 -18	ENE E'N S'E SW SSW	3 2 1 2 1	bc b-bc bc b-bc bc	66 69 63 70 68	65 75 75 45 55	55 59 54 49 50	7 8 7 7 7	1 - - - -	- - - 4 -	6 Tr 5 0 0	2-3 Tr 2-3 2-3 4-6	2500 4000 - - -	28.7 28.8 28.7 27.6 26.8	-4 -10 -4 -2 -6	ESE SE SW SSE WSW	3 2 4 2 1	bc b-bc bc c-bc c	62 63 62 69 65	75 55 75 45 65	54 55 53 49 53	7 8 8 8 6	- - - - -	- - - - -	4 0 8 0 5	0 2-3 4-6 7-8 9	- - - - -	0 0 0 0 0	* 1 3 * *	bcbnbc b bc bcmobcy cmabcy	bcbc bbc bc bcb bcb	bbmw b b bbmw b	bmbfwb bmof b b b								
3	Birmingham Upper Heyford	29.6 29.7	-10 -18	SSW SSW	2 2	b-bc bc	67 66	45 65	47 55	8 6	- 4	- -	1 7-8	2-3 2000	- 2000	29.6 27.0	-12 -12	SSW -	2 0	bc bc	66 67	55 65	55 54	7 6	- -	- -	2 5	0 2-3	- -	1 0	1 *	bcb bcmobz	bcb bczobzy	bbmw bczobmw	bm bmof								
4	Ross-on-Wye	29.5	-16	WSW	2	bc	68	65	55	6	1	-	1	Tr	3500	26.8	-12	SSW	1	bc	67	75	58	6	-	-	6	0	2-3	-	0	*	bfbz	byzo	bbmw bczobmw	bff							
5	Hartland Point Bristol Portland Bill Plymouth The Lizard Soilly (St. Mary's) Guernsey	28.9 30.2 29.7 29.4 28.5 28.8	-10 -14 -16 -10 -10 -6	NE E E E'S ENE E	2 1 3 2 4 2	b bc bc bc bc b	64 68 63 63 65 70	75 75 85 75 85 85	57 60 60 60 60 63	8 7 7 6 8 7	- - - - - -	- - - - - -	1 4-6 4-6 4-6 4-6 0	1 4-6 4-6 4-6 4-6 Tr	- 4000 4000 3000 2500 -	26.4 27.0 27.2 27.2 26.2 26.0	-8 -12 -10 -10 -10 -16	NNE - - E'S E'N E	2 0 3 2 3 3	b bc b-bc b-bc bc b	66 69 62 64 61 63	65 75 85 75 85 92	55 60 59 58 58 61	7 6 8 7 7 5	- 1 5 - 4 -	- 1 1 5 - 1	0 Tr 2-3 2-3 4-6 0	- 4000 4000 4000 2500 -	0 0 1 0 0 0	3 0 3 2 3 3	bc bcmobcy bcmobz bczobz bczobz bczobz	bcb bcmobz bcmobz bcmobz bcmobz bcmobz	bbmw bbmw bbmw bbmw bbmw bbmw	b bmff b b b b									
6	Pembroke	29.5	-14	SE	3	bc	63	85	59	7	-	4	5	0	4-6	-	27.0	-6	SE	2	bc	62	92	58	6	-	4	5	0	4-6	-	0	2	bcb	bcb	bbmw FFbcf							
7	Holyhead (Valley)	29.4	-14	SSW	3	bc	64	65	52	8	-	-	2	0	4-6	-	26.1	-16	SSW	3	b-bc	61	75	54	8	-	2	0	2-3	-	0	2	bcb	bcb	bbmw bbmw								
8	Chester (Sealand)	28.6	-18	SSE	3	bc	69	45	49	8	-	-	2	0	4-6	-	26.0	-10	WSW	2	c-bc	64	65	52	8	-	6	0	7-8	-	0	*	bcbnbcy	bcb	bbmw bbmw								
8	Manchester	29.5	-22	S	3	bc	66	55	43	6	-	-	2	0	4-6	-	26.1	-18	SSE	2	c-bc	65	65	52	8	-	2	0	7-8	-	0	*	bcbnbcy	bcb	bbmw bbmw								
10	Spurn Head Catterick Tynemouth	30.1 28.5 27.8	-12 -20 -16	SE'S SSW SW	3 3 3	bc c-bc bc	64 65 68	65 55 55	53 49 49	7 7 6	- 1 -	- - -	3 Tr 1	0 7-8 4-6	- 2500 -	27.1 25.6 24.9	-8 -10 -12	SSW SSW SW	3 3 3	bc bc bc	64 65 65	75 55 65	55 50 51	7 6 6	7 - 5	3 - 3	2 0 4-6	4-6 7-8 4-6	4000 - 2500	0 0 0	1 * 2	bcb bcb bcmobc	bcb cyzo bc	bbmw bcmobz bcmobz	bbmw bcmobz bcmobz								
11	St. Abbs Head Leuchars	25.9 24.0	-2 -22	SW WSW	4 5	c c	62 64	65 65	49 51	7 7	5 1	4 7	- 2	7-8 2-3	5000 2500	21.6 20.4	-6 -20	SSW WSW	4 6	c-bc c	60 62	65 65	48 52	8 8	5 7	4 9	- 9	4-6 9	7-8 9	5000 -	0 0	3 0	bcbnbcy bcmobc	bcb c	bbmw bbmw	bbmw bbmw							
12	Renfrew (Abbots L.) Eskdalemuir Point of Ayre	25.7 26.5 28.3	-10 -18 -12	SW SW'S SW	4 5 4	c-bc c-bc c	63 58 62	55 75 65	47 50 55	8 8 8	1 5 1	7 7 2	2 1 2	2-3 4-6 9+	7-8 7-8 2500	22.5 24.3 25.0	-10 -8 -8	SW SSW SW'S	3 5 2	bc c-bc bc	62 56 62	65 85 75	51 51 53	8 8 8	1 7 4	9 9 2	Tr 4-6 Tr	3500 2500 1800	0 1 0	* * 2	bcb bcb c	bcb c c	bbmw bbmw bbmw	bbmw bbmw bbmw									
13A	Tiree	21.0	-14	SSW	6	c	58	75	50	8	8	-	9	9+	2500	18.7	-2	SW'S	7	c	57	85	52	7	5	-	-	10	10	1800	0	1	c	bcb	bbmw oddmo	oddmo							
13B	Stornoway	13.6	-42	SSW	9	c	55	92	53	6	7	-	9	10	600	11.8	-10	SW	8	dado	57	97	55	6	5	-	-	10	10	500	1	4	c	bcb	err err	err							
15	Dalwhinnie Aberdeen Wick	21.5 21.5 18.4	-22 -14 -26	SSW SW'S SW	5 5 4	c c c	57 58 55	65 75 85	46 48 49	8 8 9	2 5 7	4 7 -	6 9 7-8	1 9 9+	2500 7000 6000	17.0 17.1 14.4	-6 -24 -14	SSW SSW WSW	4 2 5	c c c	57 62 58	65 55 75	43 45 50	8 8 9	5 4 5	- 4 7	9 Tr 6	9 9 4-6	2500 4000 3500	0 0 0	* * *	bcb c c	bcb c c	bbmw bbmw bbmw	bbmw bbmw bbmw								
16	Sumburgh	17.2	-16	SSW	6	ifo	54	92	51	7	5	7	-	9+	10	2500	11.0	-18	SW'S	5	c	54	92	53	6	5	2	-	4-6	10	2500	1	5	c	bcb	bbmw cmofoc	cmofoc						
17	Blackod Point	24.8	-6	SSW	5	bc	62	75	54	8	8	-	-	4-6	4-6	2500	22.8	-6	SW'S	5	b-bc	59	97	58	8	8	-	-	2-3	2-3	2500	0	4	bcb	bcb	bcb	d						
18	Malin Head Aldergrove	22.2 26.3	-20 -20	SW S	4 3	c-bc c-bc	63 63	55 65	48 49	9 9	4 -	7 6	1 Tr	7-8 7-8	2500 1500	20.6 23.4	-6 -10	SW SW'S	5 2	b-bc b	62 63	55 65	47 50	8 9	4 -	8 -	- 1	2-3 1	2500 -	1 0	4 0	bcb bcmobc	bcb bcb	bcb	r bbcc								
19	Birr Castle	27.5	-14	SSE	2	bc	69	65	58	8	-	-	5	0	4-6	-	24.2	-16	SSE	1	b	66	65	54	9	-	-	0	0	-	0	*	bcb	bcb	bcb	c							
20	Valentia Obay. Roches Point	27.5 28.6	-10 -10	SW S	4 2	b bc	65 65	75 85	57 61	8 8	1 2	- 5	1 2-3	Tr 4-6	2500 2500	24.8 25.6	-10 -18	SW S	4 2	b b	61 61	85 85	57 57	8 8	1 -	- -	- 1	1500 1	1500	1	4 2	bcb f	bcb bcb	bcb	c c								



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below.)
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



All times are G.M.T. Add one hour to get summer time.

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

Friday 11th September 1942

No. 25513

OBSERVATIONS at 1 hr. G.M.T. 11th September															OBSERVATIONS at 7 hr. G.M.T. 11th September															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Cloud.					TEMPERATURE.					Sun-shine (38)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					Dir.	Force.					Low.	Med.	High.	Low 0-10.	Total 0-10.			Height of Base. (feet) (15)	Dir.					Force.	Low.	Med.	High.	Low 0-10.	Total 0-10.	Height of Base. (feet) (30)	State of Ground. (31)	Sea. (32)	Max. Day 7h-13h °F. (33)		Min. Night 13h-7h °F. (34)	Min. on Grass °F. (35)	Day 7h-13h mm. (36)	Night 13h-7h mm. (37)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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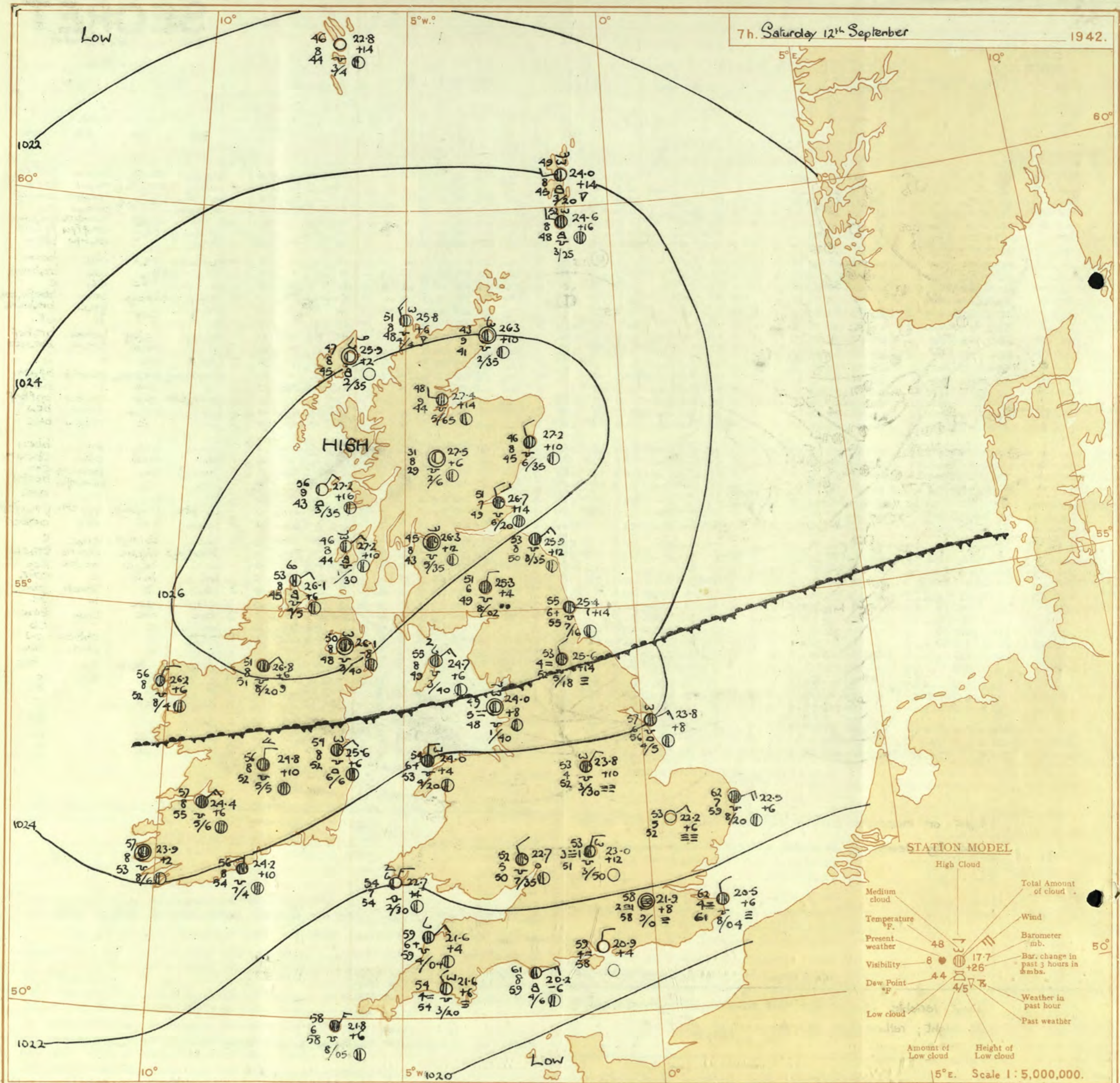
Saturday 12th September, 1942

No. 29514

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

OBSERVATIONS at 13h. G.M.T. 11th September															OBSERVATIONS at 18h. G.M.T. 11th September															PAST 24 HOURS.										
DISTRICT.	STATIONS.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	°C.	Humid. %	Dew Point °F.	°C.	Visiblity. 0-9	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	°C.	Humid. %	Dew Point °F.	°C.	Visiblity. 0-9	Cloud.					State of ground. 0-9	Sea. 0-9	WEATHER.				
				Dir.	Force.								Form.	Amount.	Height of Base (feet)	Dir.	Force.			Form.	Amount.								Height of Base (feet)	7h.-13h. 11th.	13h.-18h. 11th.	18h.-11th 12th.	11h.-7h. 12th.							
																																				Low.	Med.	High.	Low.	Med.
1	London (Kew)	22.1	-18	NE'E	2	20	71	55	54	6	-	-	-	-	-	20.5	+6	N'W	1	20	72	55	57	6	5	-	-	-	-	-	4-6-4-6	4000	0	*	bm,zy	bbczoy	bm,wm	mb,few		
	Croydon	22.5	-16	E	2	20	75	65	61	6	-	-	-	-	-	21.0	-4	E'S	1	20	70	75	63	6	4	-	-	-	-	-	2-3-2-3	3500	0	*	bm,zy	bbczoy	bm,wm	fe,few		
	S. Farnborough	22.1	-16	-	0	20	75	55	53	6	6	-	-	-	-	20.4	-10	NE	1	20	73	65	61	7	1	-	-	-	-	-	1-1-1-1	3500	0	*	bm,zy	bbczoy	bm,wm	bm,wcf		
	Boscombe Down	22.5	-12	ESE	1	20	71	65	61	7	2	-	-	-	-	21.3	-6	N'W	1	20	70	75	62	7	1	7	-	-	-	-	Tr	2-3	5000	0	*	bm,zy	bbczoy	bm,wm	bff	
	Thorney Island	22.3	-10	ESE	2	20	74	65	60	6	-	-	-	-	-	20.7	-10	SSW	2	20	67	75	60	6	-	-	-	-	-	-	0-0-0-0	0	0	0	0	0	0	0	0	
	Lymington	22.5	-14	E	2	20	74	65	59	6	6	-	-	-	-	21.2	-6	-	0	20	71	75	64	6	-	-	-	-	-	-	0-0-0-0	0	0	0	0	0	0	0	0	
	Manston	22.8	-14	ESE	1	20	70	75	59	6	-	-	-	-	-	21.0	-10	-	0	20	67	75	59	5	-	-	-	-	-	-	0-0-0-0	0	0	0	0	0	0	0	0	
2	Shoeburyness	22.2	-10	ENE	3	20	68	75	60	6	-	-	-	-	-	21.5	-2	ENE	2	20	65	65	51	6	-	-	-	-	-	-	0-0-0-0	0	0	0	0	0	0	0	0	
	Felixstowe	22.3	-12	ENE	1	20	69	75	63	7	-	-	-	-	-	21.9	-10	NE	2	20	65	65	60	6	-	4	-	-	-	-	0-0-0-0	0	1	bm	bbczoy	bm,wm	bbczoy			
	Gorleston	22.6	-10	S'E	3	20	65	85	60	7	-	-	-	-	-	22.5	-4	SE	2	20	64	85	59	7	4	8	-	-	-	-	4-6-7-8	3000	0	1	bm	bbczoy	bm,wm	bbczoy		
	Mildenhall	22.8	-10	SSW	1	20	75	45	50	8	-	-	-	-	-	21.1	-6	NE'N	2	20	70	55	54	8	5	-	-	-	-	-	4-6-4-6	5700	0	0	bm	bbczoy	bm,wm	bbczoy		
	Cranwell	22.4	-14	W'S	2	20	73	55	59	6	-	-	-	-	-	20.8	-4	-	0	20	72	45	52	6	-	-	-	-	-	-	1-0-1-0	Tr	0	0	bm	bbczoy	bm,wm	bbczoy		
3	Birmingham	22.7	-10	SSW	2	20	72	45	50	8	-	-	-	-	-	21.1	-6	WSW	2	20	70	55	53	8	-	-	-	-	-	-	0-0-0-0	0	0	0	0	0	0	0	0	
	Upper Heyford	22.9	-10	SE	1	20	73	45	52	7	5	-	-	-	-	21.0	-8	WNW	1	20	70	65	62	6	5	7	-	-	-	-	4-6-7-8	3500	0	0	bm	bbczoy	bm,wm	bbczoy		
4	Ross-on-Wye	22.1	-16	N	2	20	69	65	58	7	1	-	-	-	-	20.9	-6	SW'W	1	20	67	75	60	6	-	-	-	-	-	-	0-0-0-0	0	0	0	0	0	0	0	0	
5	Hartland Point	22.5	-6	NE	2	20	62	85	53	7	2	4	-	-	-	21.3	-4	N	1	20	60	97	59	7	-	-	-	-	-	-	0-0-0-0	0	2	bm	bbczoy	bm,wm	bbczoy			
	Bristol	22.9	-14	SE	1	20	71	75	61	6	2	-	-	-	-	21.4	-4	N	1	20	68	85	63	6	-	-	-	-	-	-	0-0-0-0	0	0	0	0	0	0	0	0	
	Portland Bill	22.5	-6	E	3	20	64	85	61	8	5	-	-	-	-	20.7	-6	E	2	20	63	85	58	8	5	-	-	-	-	-	4-6-4-6	2500	0	3	bm	bbczoy	bm,wm	bbczoy		
	Plymouth	22.8	-4	SSW	2	20	68	85	61	7	7	-	-	-	-	21.5	-6	SSW	1	20	63	92	61	6	-	-	-	-	-	-	-	0-0-0-0	0	0	0	0	0	0	0	0
	The Lizard	22.8	0	ENE	2	20	63	92	60	7	5	2	-	-	-	21.7	-4	ENE	2	20	60	92	58	4	5	-	-	-	-	-	-	10-10-500-0	0	0	0	0	0	0	0	0
	Scilly (St. Mary's)	22.8	-2	NNE	2	20	61	85	58	6	5	-	-	-	-	21.5	-6	NE'N	2	20	60	92	58	7	5	-	-	-	-	-	-	10-10-1000-0	0	0	0	0	0	0	0	0
	Guernsey	22.8	-2	NNE	2	20	61	85	58	6	5	-	-	-	-	21.5	-6	NE'N	2	20	60	92	58	7	5	-	-	-	-	-	-	10-10-1000-0	0	0	0	0	0	0	0	0
6	Pembroke	22.9	-8	SE	1	20	63	92	60	7	2	-	-	-	-	22.1	-4	N'W	3	20	61	92	59	7	5	-	-	-	-	-	-	2-3-2-3	3000	0	1	bm	bbczoy	bm,wm	bbczoy	
7	Holyhead (Valley)	22.6	-2	NW'W	1	20	62	75	54	8	2	-	-	-	-	23.0	-2	N	1	20	60	73	50	8	-	4	9	0	1	-	-	0-0-0-0	0	1	bm	bbczoy	bm,wm	bbczoy		
	Chester (Sealand)	22.6	-8	NW	3	20	67	65	55	7	1	-	-	-	-	22.4	+4	NW	3	20	69	75	51	7	5	-	-	-	-	-	-	4-6-4-6	5000	0	0	bm	bbczoy	bm,wm	bbczoy	
8	Manchester	22.8	-10	NW	2	20	67	75	57	6	1	-	-	-	-	22.3	+6	NW'N	2	20	69	85	53	6	-	-	-	-	-	-	-	2-0-7-8	-	0	0	bm	bbczoy	bm,wm	bbczoy	
10	Spurn Head	22.2	-6	NW	2	20	70	55	55	6	-	-	-	-	-	22.1	0	E'S	3	20	61	85	58	6	-	-	-	-	-	-	-	0-0-0-0	0	0	0	0	0	0	0	0
	Catterick	22.9	0	W'N	2	20	68	55	51	7	1	-	-	-	-	22.4	+2	W'S	1	20	63	65	50	7	1	-	-	-	-	-	-	1-1-1-1	4000	0	2	bm	bbczoy	bm,wm	bbczoy	
	Tynemouth	22.8	+2	WNW	2	20	67	65	56	7	5	3	1	-	-	22.6	+4	WNW	2	20	63	65	52	7	5	3	-	-	-	-	-	-	4-6-7-8	2600	0	2	bm	bbczoy	bm,wm	bbczoy
11	St. Abbs Head	20.9	+2	NNW	1	20	58	85	54	8	1	4	-	-	-	22.3	+14	ESE	1	20	56	92	54	7	5	-	-	-	-	-	-	0-0-0-0	0	3	bm	bbczoy	bm,wm	bbczoy		
	Leuchars	21.3	+14	W	1	20	63	75	54	7	8	4	3	-	-	22.5	+12	ENE	1	20	58	85	55	7	4	3	-	-	-	-	-	-	7-8-9	3000	0	0	bm	bbczoy	bm,wm	bbczoy
12	Renfrew (Abbots L.)	22.4	+8	NW	4	20	59	75	51	8	2	-	-	-	-	22.8	+6	NW'W	1	20	57	75	50	8	5	3	-	-	-	-	-	-	2-3-7-8	6000	0	0	bm	bbczoy	bm,wm	bbczoy
	Eskdalemuir	21.6	0	SW'S	3	20	61	65	51	8	7	-	-	-	-	22.4	+6	-	0	20	57	85	52	8	5	-	-	-	-	-	-									



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



OBSERVATIONS at 1 hr. G.M.T. 12th September															OBSERVATIONS at 7 hr. G.M.T. 12th September															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visiblity. (9)	Cloud.				Barom. at M.S.L. (17)	Change in 3 hours. (18)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visiblity. (24)	Cloud.				Sea. (32)	TEMPERATURE.			RAINFALL.		SUN-SHINE. Hrs. (38)				
					Direc. (3)	Force. (4)						Form. (10)	Amount. (11)	Height of Base. (feet) (12)	Direc. (19)			Force. (20)	Form. (25)						Amount. (26)	Height of Base. (feet) (27)	Max. Day 7h-18h °F. (33)	Min. Night 18h-7h °F. (34)		Min. on Grass °F. (35)	Day 7h-18h mm. (36)	Night 18h-7h mm. (37)							
																																	Low. (13)	Med. (14)	High. (15)	Low. (28)	Med. (29)	High. (30)	
1	London (Kew) ...	18	21.4	0	SE	1	F+	56	97	59	0	-	-	-	22.1	+6	-	0	bF-	54	97	53	1	-	-	-	-	0	75	53	45	-	Tr	8.5					
	Croydon ...	290	21.4	0	-	0	F+	59	97	59	0	-	-	-	21.9	+8	-	0	F-	58	97	58	2	-	-	-	-	0	80	52	51	-	0.1	10.2					
	S. Farnborough ...	226	21.5	0	-	0	F	53	92	50	0	-	-	-	21.3	+2	W	1	F-	51	97	51	1	-	-	-	-	0	77	50	42	-	Tr	8.0					
	Boscombe Down ...	417	22.0	-2	NW	1	bf+	57	97	56	2	-	-	-	22.6	+6	NNW	2	bcf-	51	97	51	3	5	-	-	-	4.6	74	49	47	Tr	Tr	8.5					
	Thorney Island ...	10	20.9	-2	NW	1	F	58	92	57	5	-	-	-	20.9	+4	N	2	m	59	92	58	4	-	-	-	-	0	74	56	48	-	-	10.8					
	Lymington ...	283	21.2	-2	NE	2	bf+	58	97	58	0	-	-	-	21.3	+6	NE	2	F-	59	97	59	1	-	-	-	-	0	77	55	50	-	Tr	10.2					
	Manston ...	154	20.5	-6	-	0	bf	59	97	59	3	-	-	-	20.5	+6	NNW	2	m	62	97	61	4	5	-	-	-	10	72	55	51	-	Tr	10.2					
2	Shoeburyness ...	11	21.4	-6	NE	2	F	60	92	58	5	-	-	-	21.5	+12	NW	2	C	57	97	56	4	5	-	-	-	10	69	54	45	-	-	9.8					
	Felixstowe ...	12	22.4	-2	EN	2	F	62	92	60	6	5	-	-	21.4	+6	N	2	F	61	92	59	6	5	-	-	-	10	70	57	55	-	-	10.4					
	Gorleston ...	5	22.4	-2	EN	2	F	62	92	60	6	5	-	-	22.5	+6	ENE	4	C	62	85	59	7	5	-	-	-	10	69	61	58	-	-	5.7					
	Mildenhall ...	15	21.8	+4	ES	1	F	52	92	50	5	-	-	-	22.2	+6	NE	1	C	53	97	52	5	-	-	-	-	0	79	49	42	-	Tr	6.6					
	Cranwell ...	203	22.6	+6	NE	1	F	54	97	53	6	-	-	-	23.2	+8	N	1	F	57	97	56	5	5	-	-	-	9+	76	53	50	-	-	11.0					
3	Birmingham ...	535	21.8	+2	NW	2	F	53	92	51	5	-	-	-	23.0	+12	NNE	2	F	53	97	52	1	-	-	-	-	10	74	51	43	-	-	11.0					
	Upper Heyford ...	408	21.8	+2	NW	2	F	53	92	51	5	-	-	-	23.0	+12	N	2	bcf-	53	97	51	3	5	5	-	-	-	2.3	74	51	47	-	-	7.2				
4	Ross-on-Wye ...	223	21.8	+2	NW	2	F	53	92	51	5	-	-	-	22.7	+6	NNW	1	F	52	92	50	5	5	-	-	-	9+	73	51	44	0.1	-	7.2					
5	Hartland Point ...	299	21.5	+2	NNE	1	b	60	97	59	7	-	-	-	21.6	+4	NE	2	C-bc	59	97	59	6	5	4	-	-	-	4.6	63	58	51	-	-	11.3				
	Bristol ...	209	22.6	+2	-	0	bf+	55	97	54	3	-	-	-	23.4	+8	NE	2	F	53	92	51	5	5	-	-	-	4.6	74	52	43	-	-	10.2					
	Portland Bill ...	32	20.9	-4	NE	2	b	60	92	58	8	-	-	-	20.2	-6	ENE	3	bc	61	92	59	8	2	-	-	-	4.6	64	58	-	-	-	9.7					
	Plymouth ...	82	21.7	-2	-	0	m	56	97	56	4	-	-	-	21.6	+6	NNW	1	m	54	97	54	4	5	3	-	-	-	2.3	70	51	44	-	-	0.2				
	The Lizard ...	240	21.8	0	NNE	3	b	56	97	56	7	8	-	-	21.0	+2	NNE	4	bc	57	92	55	8	4	-	-	-	4.6	63	55	-	-	Tr	0.2					
	Scilly (St. Mary's) ...	163	22.1	0	NE	3	b	57	97	56	6	-	-	-	21.8	+6	NE	3	C	58	97	58	6	5	-	-	-	10	62	56	-	-	Tr	0.0					
	Guernsey ...	175	22.1	0	NE	3	b	57	97	56	6	-	-	-	21.8	+6	NE	3	C	58	97	58	6	5	-	-	-	10	62	56	-	-	Tr	0.0					
6	Pembroke ...	142	22.8	+4	N'E	4	b	56	92	54	8	-	-	-	22.7	+4	N'E	3	b-bc	54	97	54	7	4	4	5	1	2.3	65	51	-	-	-	10.2					
7	Holyhead (Valley) ...	32	23.9	0	NNE	1	b	50	92	48	6	-	-	-	24.0	+4	N	1	F	54	92	53	6	5	3	-	-	-	4.6	65	48	41	-	-	7.9				
	Chester (Sealand) ...	16	23.4	-2	-	0	c	51	97	50	5	5	-	-	23.3	+2	-	0	C	54	92	52	6	7	-	-	-	9	69	47	41	-	-	7.9					
8	Manchester ...	235	23.4	+2	-	0	bf	50	97	49	3	-	-	-	23.7	+6	NNW	1	cf-	51	97	51	3	5	3	-	-	-	7.8	67	49	42	-	-	7.9				
10	Spurn Head ...	29	23.1	0	NE	4	F	58	92	56	6	-	-	-	23.8	+8	NE	3	F	57	92	56	6	7	3	-	-	-	4.6	71	57	-	-	-	9.5				
	Catterick ...	175	24.5	+6	NNW	1	F	51	92	48	5	-	-	-	25.6	+14	NW	1	m	53	97	52	4	5	3	-	-	-	7.8	68	50	-	-	-	9.5				
	Tynemouth ...	108	24.5	+6	NNW	2	bc	55	97	54	6	2	-	-	25.4	+14	E	2	F	55	97	54	6	5	-	-	-	9+	67	54	-	-	-	9.5					
11	St. Abbs Head ...	280	24.1	+2	SE	2	C	53	97	53	7	5	-	-	25.9	+12	NE	3	C	53	92	50	8	5	-	-	-	10	61	53	-	-	-	3.8					
	Leuchars ...	36	25.2	+6	NNW	1	F	52	97	52	6	5	3	-	-	26.7	+14	NNW	1	C	51	92	48	7	5	-	-	-	4	63	50	44	Tr	-	2.1				
12	Rentrev (Abbots I.) ...	19	25.0	+6	-	0	C-bc	48	97	46	8	5	4	-	-	26.3	+12	-	0	C	45	92	43	8	5	-	-	-	2	63	43	38	Tr	-	2.1				
	Eskdalemuir ...	794	24.0	+2	NE	3	b	56	85	52	8	5	-	-	25.3	+4	NE	2	F	51	92	49	6	5	-	-	-	10	63	48	44	-	Tr	5.5					
	Point of Ayre ...	30	24.0	+2	NE	3	b	56	85	52	8	5	-	-	24.7	+6	NE	3	C-bc	55	85	49	8	5	4	6	2.3	7.8	63	55	-	-	-	9.8					
13a	Tiree ...	22	26.4	+6	-	0	b	46	92	44	8	1	4	-	-	27.2	+16	NNE	2	b-bc	56	65	43	9	1	-	-	-	2.3	60	47	-	-	-	3.3				
13b	Stornoway ...	80	24.9	+12	WSW	2	b	47	97	47	7	5	-	-	25.9	+2	-	0	b-bc	47	92	43	8	2	4	2	-	-	1.2	59	45	-	-	-	3.3				
15	Dalwhinnie ...	1176	24.9	+12	WSW	2	b	47	97	47	7	5	-	-	25.9	+2	-	0	b-bc	47	92	43	8	2	4	2	-	-	1.2	59	45	-	-	-	3.3				
	Aberdeen ...	79	25.7	+10	WSW	1	bc	45	92	44	9	5	4	-	-	27.2	+10	NW	1	C	46	97	45	8	5	-	-	-	9	59	43	38	0.2	-	0.6				
	Wick ...	114	24.8	+14	SW	1	b-bc	46	85	43	9	5	5	-	-	26.3	+10	-	0	bc	43	92	41	9	5	5	-	-	-</										

SECRET

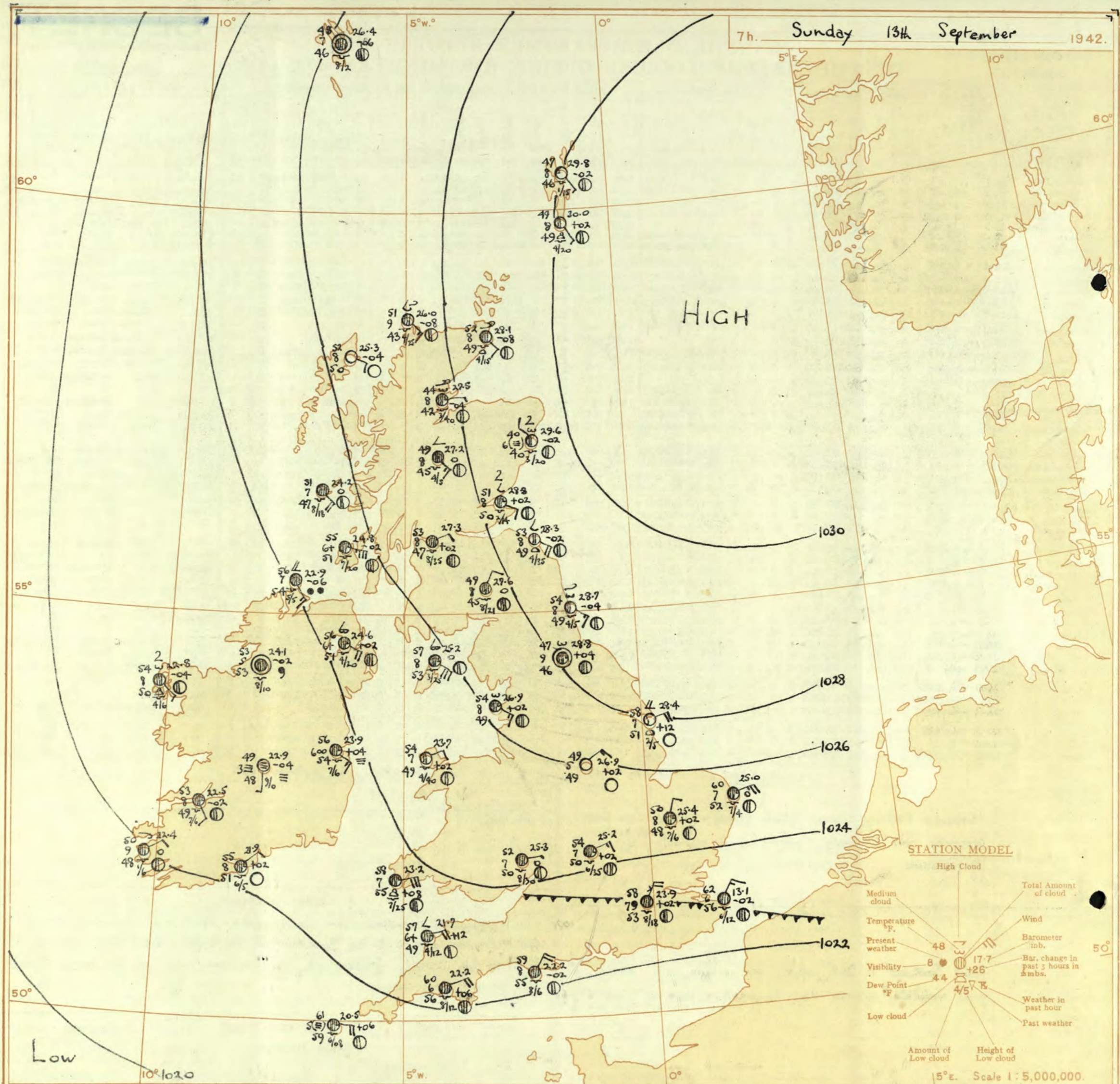
Sunday 13th September 1942

No. 25515

Page 1

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

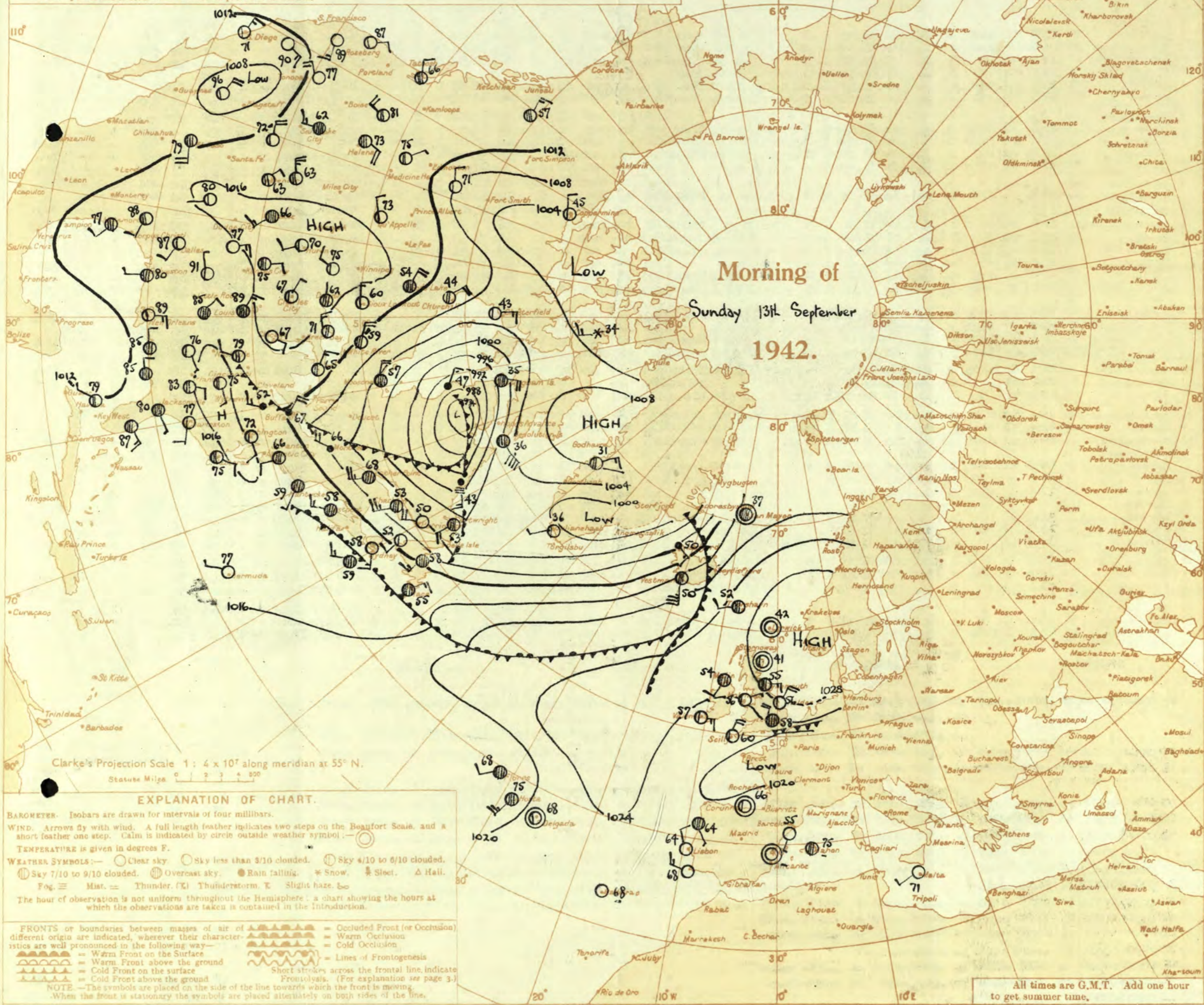
OBSERVATIONS at 13h. G.M.T. 12th September															OBSERVATIONS at 18h. G.M.T. 12th September															PAST 24 HOURS.					
District.	STATIONS.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.				State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.				
				Dir.	Force. 0-12 (4)						Form.	Amount. 0-10 (13)	Height of Base. (feet) (15)	Dir.	Force. 0-12 (19)			Form.	Amount. 0-10 (28)						Height of Base. (feet) (30)	7h.-13h. 12h. (39)	13h.-18h. 12h. (40)	18h.-12h. 1h.-13h. (41)			1h.-7h. 13h. (42)				
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	22.1 22.4 21.9 21.8 21.3 22.0 21.6	0 -2 -2 -6 0 +2 +2	E NE NE NE N N NE	2 2 2 2 2 3 3	2. 20 20 20 20 20 20	68 66 63 72 70 69 66	75 83 65 55 65 75 85	60 61 59 57 56 62 60	6 5 6 7 6 5 6	1 - - - - - -	1 10 0 0 0 2-3 9+	1 10 0 0 0 2-3 9+	2500 1000 - - - 1000 800	21.9 22.1 21.7 21.5 21.0 21.9 22.1	+4 +2 0 +2 0 0 +4	NE ENE ENE ENE ENE NE NE	3 3 2 2 2 3 4	20 bc bc bc bc bc 20	69 65 70 68 69 62 63	65 85 75 75 75 85 85	58 60 60 60 62 58 58	6 6 6 7 7 6 6	2 4 4 5 2 5 5	- - - - - - -	6 1 5 0 4 4 9+	1 2-3 Tr 0 4-6 4-6 9+	4-6 2-3 1 4-6 4-6 4-6 9+	2500 2500 3500 - 4000 900 900	0 0 0 0 0 0 0	3 3 3 3 3 3 3	ffwlm fe mc bm bfbm pzo fbc omcm	bm.bcz cm.bzo pzo b bzobc bcbz cm	rczob,c z bzcm bc bzobc bcbz cm	C omcm cmadoc cm cm cm cm cm
2	Shoeburyness Felixstowe Gorleston Mildenhall Cranwell	22.4 22.4 23.3 22.7 24.2	+2 +4 -4 +2 +2	NE NE NE NE EN	4 4 4 3 3	C 20 20 C bc	66 69 63 71 67	75 75 85 55 55	54 60 34 55 51	6 6 6 7 7	5 5 5 1 3	- - - Tr 0	10 7-8 10 Tr 4-6	10 7-8 10 Tr 4-6	1500 1800 1200 4000 -	22.6 23.0 24.3 24.1 25.1	+2 +6 +6 +6 +6	NE NNE NEN NE ENE	4 5 4 3 4	bc 20 c b-bc c-bc	64 63 61 61 59	75 85 85 75 75	56 58 56 53 52	6 6 7 8 8	7 5 8 5 1	- - - - -	4-6 10 9+ 1 7-8	4-6 10 3+ 2-3 7-8	3500 2000 1500 2000 1500	0 0 0 0 0	3 3 3 3 3	bcm bm.bcy cz bmob bc	cm.bcz bcbcm czc cyb bcbz	bcmobc bcm bcc b/cm bm	bcc cmoc c cm.bccw bmobw
3	Birmingham Upper Heyford Ross-on-Wye	23.4 29.9 22.6	-4 -8 -8	ENE EN NW	3 3 2	b-bc b 20	67 73 65	65 55 75	55 34 57	6 8 5	1 1 5	4 - 1	2-3 Tr Tr	2-3 Tr Tr	4000 - 2000	23.5 22.2 21.6	+4 +6 -8	E ENE E	3 4 1	bc 20 20	64 67 69	55 65 65	49 54 59	7 6 6	- - 5	4 1 -<									



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



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

Sunday 13th September 1942

No. 29515

OBSERVATIONS at 1 hr. G.M.T. 13th September																OBSERVATIONS at 7 hr. G.M.T. 13th September																PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Dew Point.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp.	Humid.	Dew Point.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	TEMPERATURE.					RAINFALL.		Sun- shine 12h Hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					Direc.	Force.						Form.	Amount.	Height of Base (feet).	Direc.	Force.			Form.	Amount.						Height of Base (feet).	State of Ground.	Sea.	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.			Min. on Grass °F.	Day 7h-18h mm.	Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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1	London (Kew) ...	18						59							24.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</

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

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Monday 14th September 1942

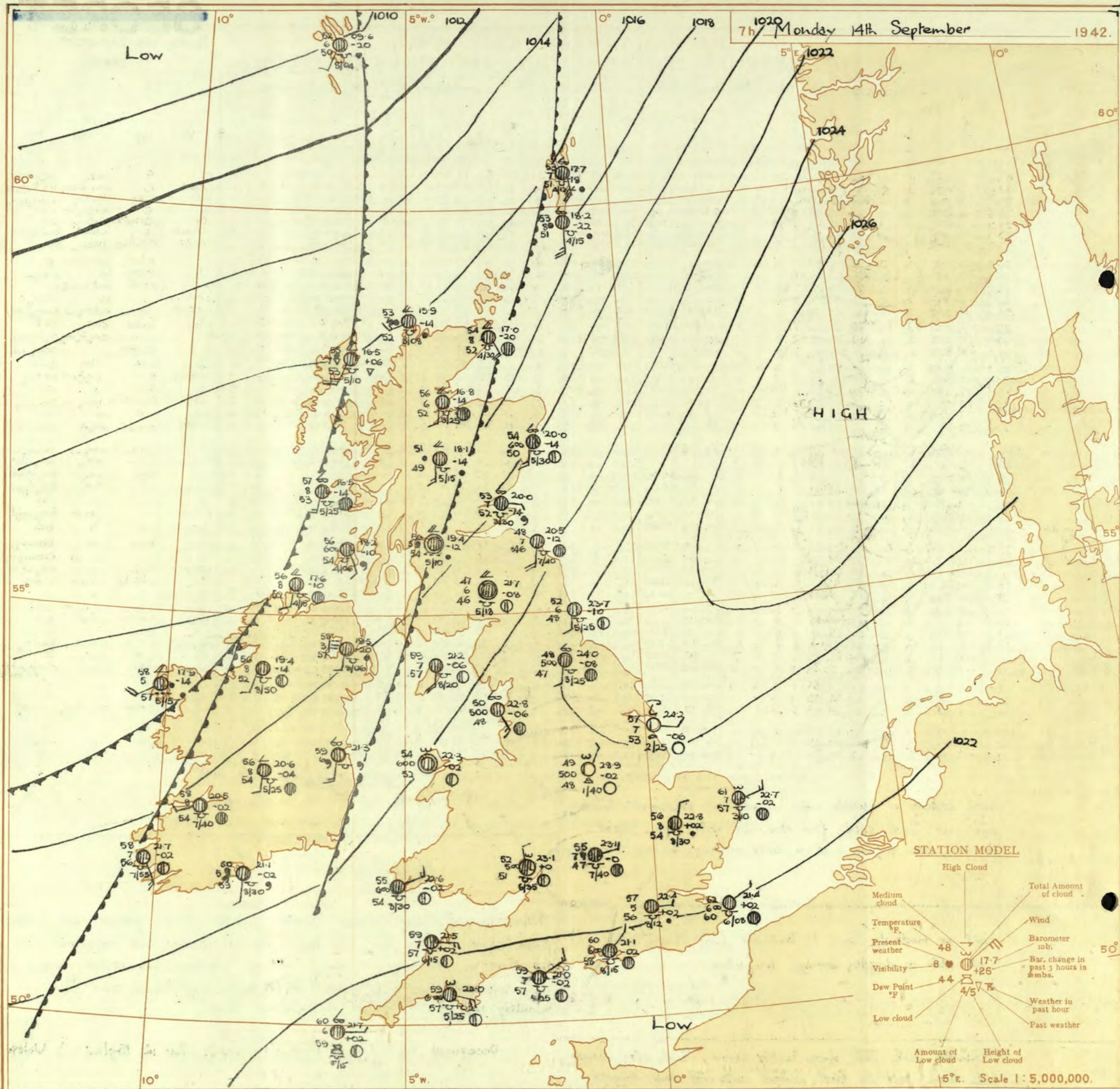
No 29516

OBSERVATIONS at 13h. G.M.T. 13th September.															OBSERVATIONS at 18h. G.M.T. 13th September.															PAST 24 HOURS.										
DISTRICT.	STATIONS.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Dew Point. °F.	Visibility. 0-9	Cloud.					Height of Base (feet)	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	° Humid.	Dew Point. °F.	Visibility. 0-9	Cloud.			State of ground. 0-9	Sea. 0-9	WEATHER.									
				Direc.	Force.						Form.	Amount.	Low.	Med.	High.				Form.	Amount.						Low.	Med.	High.			Form.	Amount.	Height of Base (feet)	State of ground. 0-9	Sea. 0-9	7h.—13h. 13th...	13h.—18h. 13th...	18h. 13th. to 14th.		
																																						0-12	0-10	0-10
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	24.1 24.0 23.7 23.8 22.3 23.7 23.8	-6 -8 -2 -6 -16 -2 0	NE NE NE NE NE NE NE	3 4 3 3 4 3 3	C C C C C C C	64 63 64 65 66 62 63	75 75 75 75 75 75 75	55 56 56 55 57 58 58	7 5 6 5 5 8 6	5 5 7 5 5 7 5	- - - - - - -	- - - - - - -	10 10 9 4 9 9 10	10 10 10 9 10 10 10	1500 2500 2200 1800 2500 1500 1400	23.3 23.3 22.6 23.0 22.2 22.8 22.9	-2 -6 -1 -2 0 -1 -2	NE NE NE NE NE NE NE	3 4 3 2 3 3 3	C C C C C C C	63 61 61 62 64 60 61	75 85 75 85 85 85 85	54 55 55 56 56 55 56	7 5 6 5 7 7 5	5 7 5 3 7 3 2	- - - - - - -	- - - - - - -	10 9 10 9 7 10 10	1500 2500 2500 4300 4000 1000 1200	0 0 0 0 0 0 0	*	*	C C C C C C C	C C C C C C C	ccz cbr cbr cbr cbr cbr cbr	ccz cbr cbr cbr cbr cbr cbr	ccz cbr cbr cbr cbr cbr cbr	ccz cbr cbr cbr cbr cbr cbr	
2	Shoeburyness Felixstowe Gorleston Mildenhall Cranwell	24.2 24.6 25.7 25.7 26.4	-2 -2 +2 -2 -4	NE NE NE NE NE	5 4 3 3 3	C C C C C	65 66 61 62 61	65 65 75 75 65	54 54 53 54 48	7 8 7 8 8	5 1 5 5 5	- - - - -	- - - - -	9 2 10 4 9	9 2 10 4 9	1500 2500 1800 2000 2500	23.6 23.8 24.5 24.5 25.0	-4 -4 -2 -6 -6	NE NE NE NE NE	4 4 4 2 2	C C C C C	62 62 60 60 58	75 75 75 75 85	54 54 53 53 52	7 8 8 8 8	5 4 5 5 5	- - - - -	- - - - -	10 10 4 9 9	10 10 1800 4500 4000	0 0 0 0 0	*	*	C C C C C	C C C C C	cbcc bce bce bce bce	cbcc bce bce bce bce	cbcc bce bce bce bce	cbcc bce bce bce bce	
3	Birmingham Upper Heyford	25.0 24.7	-4 -8	ESE ENE	3 3	C C	65 62	55 75	50 58	8 7	5 5	- -	- -	4 3	4 3	4000 3000	24.2 23.8	-4 -4	E ENE	2 3	C C	62 61	75 75	54 55	8 7	5 5	- -	- -	2 3	2 3	4000 4000	0 0	*	*	C C	C C	cbcc cbcc	cbcc cbcc	cbcc cbcc	cbcc cbcc
4	Ross-on-Wye	24.6	-8	ENE	3	C	64	65	53	7	7	-	-	7 8	7 8	3500	25.2	-10	E	1	C	63	75	55	7	5	-	-	7 8	7 8	3500	0	*	*	C	C	cbcc cbcc	cbcc cbcc	cbcc cbcc	cbcc cbcc
5	Hartland Point Bristol Portland Bill Plymouth The Lizard Seilly (St. Mary's) Guernsey	22.3 24.7 25.0 23.1 21.7 21.4	+6 -12 -12 -12 +2 0	ENE NE E ENE ENE E	3 2 4 4 4 4	C C C C C C	65 64 63 63 61 62	85 75 85 85 92 97	60 57 58 58 59 60	7 7 5 6 5 5	2 5 5 7 5 5	6 - - - - -	- - - - - -	1 10 10 																										

DISTRICTS.		FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. Monday 14th September 1942	
1 S.E. England	Light Easterly or variable wind; cloudy, with occasional thundery rain near South coast; fair elsewhere with some bright periods, local fog or mist in early morning; average temperature	16 Orkneys and Shetlands	As 13A-15.
2 E. England ...		17 N. W. Ireland	
3 E. Midlands ...		18 N. E. Ireland	
4 W. Midlands		19 S. E. Ireland	As 7-12.
5 S.W. England		20 S. W. Ireland	
South Wales		GENERAL INFERENCE Pressure is low near Iceland. Shallow troughs of low pressure over Scotland and Ireland, moving east will cause cloudy weather and occasional rain in the North and Northwest. A ridge of high pressure lies across England and Wales and weather in those areas will be mainly fair though some local thundery rain is probable in the extreme South.	
7 North Wales	Light or moderate South to Southwest wind; cloudy, occasional slight rain or drizzle; average temperature.		
8 N.W. England			
9 N. Midlands ...			
10 N.E. England			
11 S.E. Scotland		FURTHER OUTLOOK Occasional rain in the Northwest; mainly fair in England and Wales.	
12 S.W. Scotland & Isle of Man			
13A W. Scotland ...	Moderate South wind, fresh locally veering Southwest; cloudy with some rain at first, bright intervals and showers later; average or rather low temperature.		
13B N.W. Scotland			
14 Mid Scotland			
15 N.E. Scotland			

Forecasts issued at 10.30

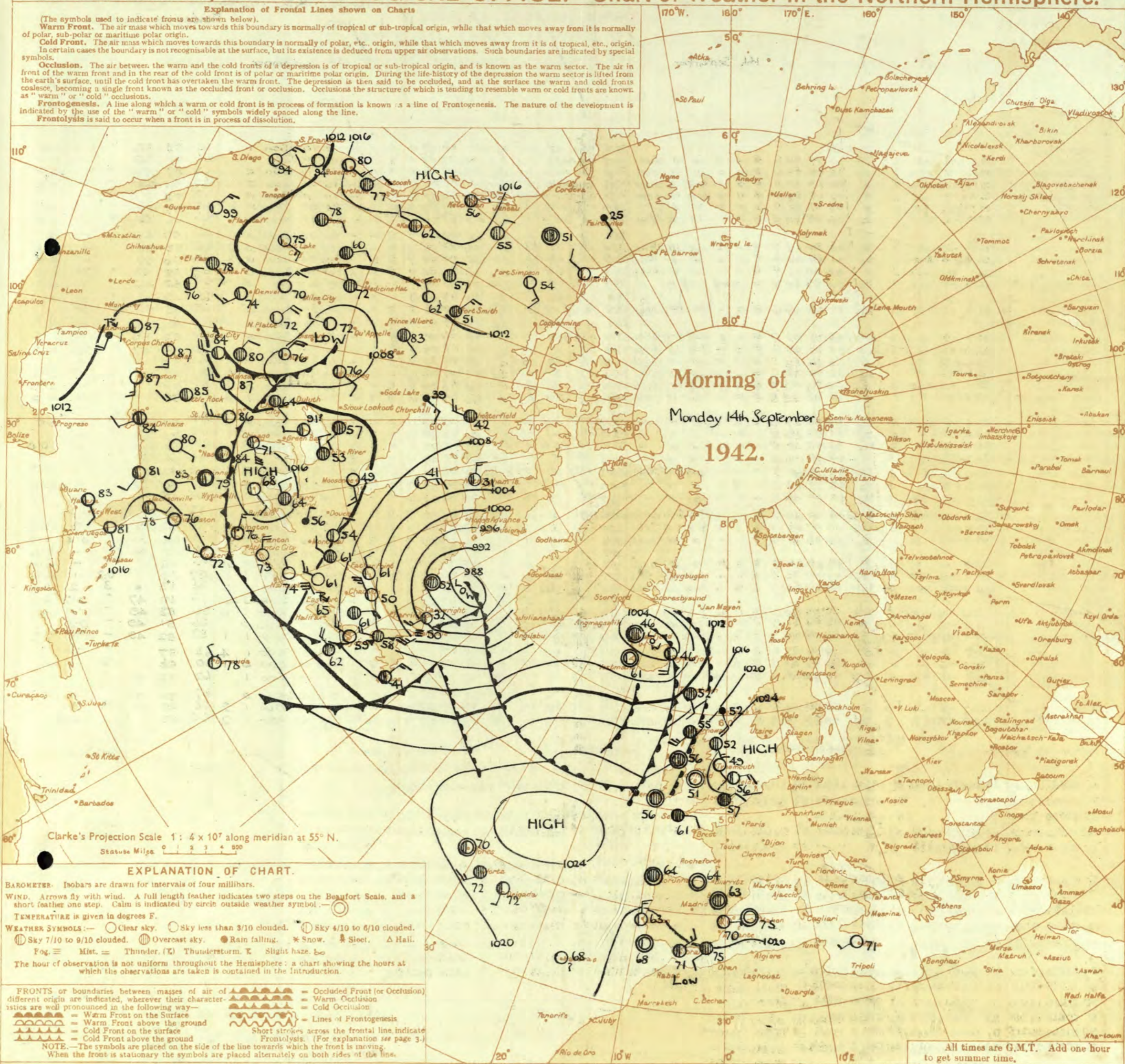
N. K. JOHNSON, D.Sc., A.R.C.S., Director,
Meteorological Office, Air Ministry, Kingsway, London, W.C.2



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
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BRITISH
SECTIONTHE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.Monday 14th September 1942
No. 29516

OBSERVATIONS at 1 hr. G.M.T. 14th September																	OBSERVATIONS at 7 hr. G.M.T. 14th September																	PAST 24 HOURS.									
District.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point.	Visiblity.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point.	Visiblity.	Cloud.					Sea.	TEMPERATURE.			RAINFALL.		Sun-shine 13h. Hrs.						
					Dir.	Force.						Form.	Amount.	Height of Base (feet).	Dir.	Force.			Form.	Amount.						Height of Base (feet).	State of Ground.	0-9	Max. Day 7h-15h °F.	Min. Night 15h-7h °F.		Min. on Grass °F.	Day 7h-15h mm.	Night 15h-7h mm.									
																																			0-12	0-12		0-10	0-10	0-10	0-10	0-8	
1	London (Kew)	18	*	*	*	*	*	59	*	*	*	*	*	*	*	*	22.2	+2	NE	2	20	59	85	55	6	5	2	9	10	1500	1	65	59	56	-	0.1	0.1						
	Croydon	290	23.4	-2	NE	2	c/d	57	87	56	6	5	-	10	10	1400	22.4	+2	ENE	1	20	57	87	57	5	5	-	10	10	1200	1	64	57	56	-	4	0.0						
	S. Farnborough	226	23.4	-2	NE/N	2	20	58	85	55	6	5	-	10	10	1600	22.0	-2	NE/N	1	20	58	85	55	6	5	-	10	10	1000	0	63	57	53	-	Tr	0.1						
	Boscombe Down	417	23.5	-2	NE/N	2	c	58	85	55	7	5	2	4-6	10	1600	22.2	0	NNE	2	20	57	82	55	7	5	-	10	10	1400	0	63	56	54	-	Tr	1.0						
	Thorney Island	10	22.4	-8	NNE	2	20	60	85	56	6	5	7	4-6	10	2000	21.1	-2	NE/N	2	20	60	82	57	6	5	-	10	10	1500	0	67	58	-	-	-	0.8						
	Lymington	293	22.7	-6	NE	2	20	59	87	58	7	-	-	0	0	-	22.0	+2	NNE	2	20	61	87	60	5	5	-	9	9	800	0	64	57	54	-	-	0.8						
	Manston	154	22.7	-4	NE/E	1	20	62	85	59	6	5	-	10	10	1600	21.4	+2	NE/E	1	20	62	82	60	6	5	-	3	9	800	0	66	60	58	Tr	-	0.5						
2	Shoeburyness	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	22.1	-2	N/E	2	c	60	85	56	7	5	-	10	10	1800	0	66	59	58	-	-	2.4						
	Felixstowe	12	23.5	-6	NE	3	c	62	85	57	7	5	-	10	10	1500	22.4	-2	N	2	c	60	85	56	7	5	-	10	10	1400	0	66	59	58	-	-	0.5						
	Gorleston	5	24.1	-10	ENE	3	20	61	85	55	6	5	-	10	10	1500	22.7	-2	NE	3	c	61	85	58	7	5	3	7-8	9	1000	0	62	60	57	-	-	0.0						
	Mildenhall	15	24.1	-10	NNE	2	c	56	85	52	7	5	-	10	10	3300	21.8	+2	N/E	2	c	56	82	54	8	5	-	10	10	3000	0	63	55	53	-	Tr	0.6						
	Cranwell	203	24.3	-8	NE	1	20	52	82	50	6	5	-	0	0	-	23.8	0	N/E	1	c-bc	50	82	48	7	5	-	7	7-8	-	64	49	46	-	-	4.7							
3	Birmingham	535	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23.8	-2	NE	1	20	51	82	49	3	5	3	0	4-6	-	65	49	41	-	-	10.3							
	Upper Heyford	408	24.2	-2	ENE	2	20	57	85	52	6	5	-	9	9	3000	23.1	0	ENE	2	ir	55	75	41	7	5	-	9	9	4000	0	65	53	52	-	Tr	0.0						
4	Ross-on-Wye	223	*	*	*	*	*	*	*	*	*	*	*	*	*	*	23.1	0	N/W	1	20	52	87	51	5	5	3	0	9	3500	0	67	51	45	-	-	3.3						
5	Hartland Point	299	22.3	-2	E	3	b-bc	59	82	57	7	5	-	2-3	2-3	2500	21.5	+2	ESE	3	c	59	82	57	7	5	-	9	9	2600	0	66	57	56	-	-	4.2						
	Bristol	209	24.2	+2	-	0	c/r	57	87	57	6	5	2	7-8	10	5700	23.4	+2	-	0	20	55	87	56	5	5	3	7-8	9	1500	1	66	55	52	-	4	0.3						
	Portland Bill	32	22.4	+2	E	4	0	60	85	56	7	5	-	10	10	2500	21.0	-2	NE	3	0	59	82	57	7	5	-	10	10	2500	1	66	57	57	-	-	0.0						
	Plymouth	82	22.3	-12	E	1	20	60	82	58	6	5	-	10	10	2100	22.0	+2	E	1	20	59	82	58	6	5	3	7-8	9	2500	0	65	56	51	Tr	-	2.4						
	The Lizard	240	22.6	+6	ENE	3	0	60	82	58	7	5	-	10	10	1000	22.0	-6	NE	2	0	60	82	58	6	5	-	10	10	1200	0	61	59	*	-	-	0.0						
	Scilly (St. Mary's)	163	22.4	0	E	2	0	61	82	59	5	5	-	10	10	450	21.7	+2	E/N	2	c	60	87	59	6	5	7	7-8	10	1200	1	63	59	*	-	-	0.0						
	Guernsey	175	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*						
6	Pembroke	142	23.4	-2	ENE	3	20	57	87	57	6	-	-	0	0	-	22.6	+2	NE	3	20	55	87	54	6	5	-	10	10	3000	0	64	53	*	-	-	4.5						
7	Holyhead (Valley)	32	23.4	-2	-	0	20	51	82	49	6	-	-	0	0	-	22.3	-2	-	0	20	54	82	52	6	-	3	0	7-8	-	68	50	45	-	-	0.0							
	Chester (Sealand)	16	24.2	-2	SE	1	20	50	82	48	5	-	-	0	0	-	22.9	-4	SE/S	2	tr	49	87	48	2	-	-	10	10	1150	0	69	49	40	-	-	10.0						
8	Manchester	235	24.7	-2	E	2	b	47	87	46	6	-	-	0	0	-	23.2	-8	E	1	bc	48	87	48	6	-	-	5	0	4-6	-	63	44	37	-	-	0.0						
10	Spurn Head	29	28.4	-12	E	3	b	56	75	49	7	7	-	4-6	4-6	2500	24.2	-6	E	2	b-bc	57	85	51	7	1	4	2	1	2-3	2500	0	62	51	*	-	-	7.3					
	Catterick	175	28.3	-8	-	0	20	43	82	42	6	3	-	0	Tr	-	24.0	-8	SSW	1	20	48	87	48	5	5	7	8	2-3	10	2500	0	61	40	35	-	-	0.6					
	Tynemouth	108	26.0	-8	SE	2	20	43	85	45	6	-	-	0	0	-	23.7	-10	S	2	c-bc	52	85	49	6	5	-	7-8	7-8	2500	0	59	43	*	-	-	0.0						
11	St. Abbs Head	280	24.1	-14	SSE	4	b-bc	49	85	45	7	5	-	2-3	2-3	4000	20.5	-12	S	4	c	48	82	46	7	5	-	9	9	3000	0	58	47	*	-	-	0.0						
	Leuchars	36	23.5	+12	-	0	c-bc	48	87	48	7	5	1	2-3	7-8	3000	20.0	-14	E	1	c	53	87	51	7	5	7	2-3	10	3000	0	58	48	41	-	Tr	3.8						
12	Renfrew (Abbots I.)	19	22.7	-10	E	1	20	55	85	51	6	5	-	10	10	3000	19.4	-12	-	0	ir	56	82	54	5	6	2	7-8	10	1000	1	61	54	50	-	0.4	0.0						
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21.7	-8	-	0	c	47	87	46	6	5	2	7-8	10	1800	1	59	43	38	-	-	2.6						
	Point of Ayre	30	23.5	0	S	4	c	59	85	55	7	5	-	10	10	2600	21.2	-6	S	4	c	59	82	57	7	5	-	10	10	2000	0	63	58	*	-	-	6.0						
13A	Tiree	22	26.2	-14	S/E	3	20	57	87	56	6	5	-	10	10	800	16.2	-20	S	4	c	56	82	53	8	5	-	9	9	2000	1	57	53	*	0.2	1	0.0						
13B	Sornoway	80	18.2	-18	SSW	5	c/pr	55	87	5																																	

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Tuesday 15th September 1942

No. 29517

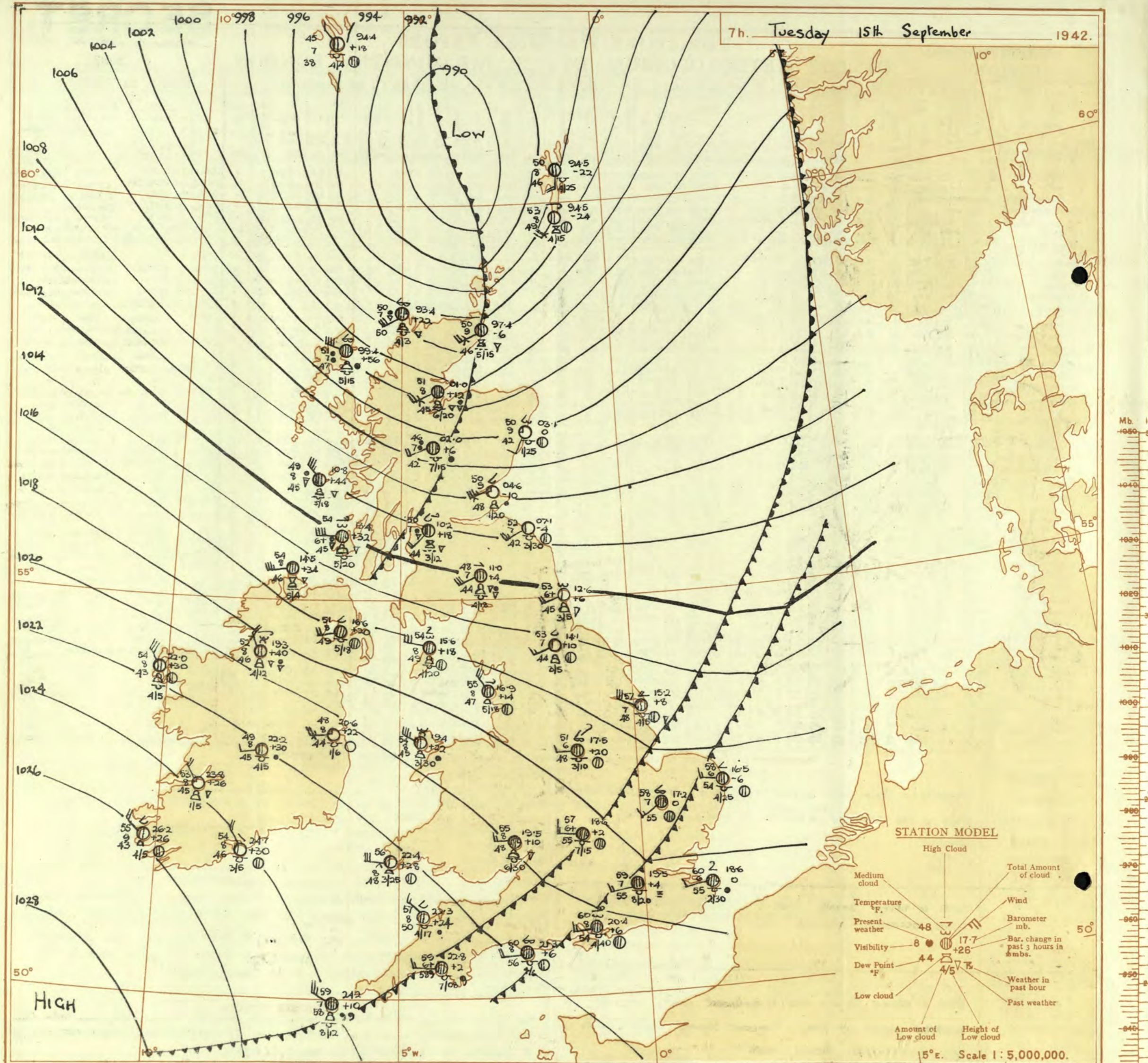
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BRITISH
SECTION

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

OBSERVATIONS at 13h. G.M.T. 14th September															OBSERVATIONS at 18h. G.M.T. 14th September															PAST 24 HOURS.									
DISTRICT.	STATIONS.	Barom. at M.S.L.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point. °F.	Visibility. 0-9	Cloud.					Barom. at M.S.L.	Change in 8 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point. °F.	Visibility. 0-9	Cloud.					Sea.	WEATHER.								
				Dir.	Force.						Form.	Amount.		Height of Base (feet)	Dir.			Force.	Form.						Amount.		Height of Base (feet)	State of Ground.	0-9		7h.-13h. 14th	13h.-18h. 14th	18h.-14th 15th	1h.-7h. 15th					
												Low.	Med.												High.	Low.									Med.	High.	Low.	Med.	High.
(For heights see p. 4.)		mb.																																					
1	London (Kew)	21.2	-10	N'E	2	Zo	64	75	58	6	5	7	-	Tr	9+	4000	19.0	-2	-	-	0	Zo	65	85	60	6	5	-	-	9+	9+	4000	0	*	CofoCCMo	CMo	CMo	CMo	CMo
	Croydon	21.4	-10	NE	1	Zo	64	85	61	4	5	-	-	7-8	10	900	20.3	-4	-	-	0	Zo	65	92	62	4	5	-	-	9+	9+	1800	1	*	omidCCMo	CMo	CMo	CMo	CMo
	S. Farnborough	21.1	-14	NE'E	1	Zo	65	85	59	5	5	1	-	9	10	1000	19.9	-2	-	-	1	Zo	66	75	59	6	5	-	-	10	10	1600	0	*	oidCCMo	CZo	CMo	CMo	CMo
	Boscombe Down	21.8	-6	E	2	Zo	61	92	58	6	5	-	-	10	10	600	20.7	-2	WNW	2	Zo	63	92	60	6	5	-	-	9+	9+	2000	0	*	CCMo	CMo	CMo	CMo	CMo	
	Thorney Island	21.0	-6	NEN	2	Zo	69	75	61	6	8	-	-	10	10	2500	20.1	-2	-	-	1	Zo	67	85	62	5	5	-	-	10	10	2000	0	*	CMo	CMo	CMo	CMo	CMo
	Lymington	21.0	-10	NE	1	Zo	69	75	62	6	1	2	-	7-8	9+	1500	20.2	-2	-	-	0	Zo	65	85	61	6	5	-	-	7-8	7-8	2500	0	*	Cfofofmo	CZoMo	CMo	CMo	CMo
	Manston	20.9	-22	NE'N	1	Zo	66	85	60	6	5	7	-	7-8	9+	1000	19.9	-6	-	-	0	Zo	63	85	59	6	5	-	-	7-8	7-8	5700	0	*	CMoifo	CMo	CMo	CMo	CMo
2	Shoeburyness	21.3	-6	ENE	3	C	66	85	61	7	5	2	-	9	10	1300	20.2	-2	ESE	2	C	64	75	57	7	5	-	-	9+	9+	4000	0	*	CMoC	C	CMo	CMo	CMo	
	Eltham	21.5	-10	ENE	3	Zo	65	85	59	6	5	-	-	10	10	1800	20.3	-2	S'E	1	C	64	85	60	7	5	-	-	10	10	2000	0	*	CCMo	CMoC	CMo	CMo	CMo	
	Gorleston	22.1	-6	NE'N	2	C	62	85	59	7	5	-	-	10	10	1500	20.1	-6	ESE	1	C	61	92	58	7	5	-	-	10	10	2000	0	*	C	C	CMo	CMo	CMo	
	Mildenhall	21.9	-10	-	0	C	64	75	57	8	5	-	-	10	10	2100	19.7	-6	S'E	1	Zo	65	75	58	6	5	-	-	10	10	2000	0	*	C	C	CMo	CMo	CMo	
	Cranwell	21.7	-14	ESE	2	b	66	65	53	7	1	7	-	Tr	23	4500	18.7	-10	S	1	b	63	75	54	7	-	-	2	0	1	-	0	*	eb	bbeb	CMo	CMo	CMo	
3	Birmingham	21.4	-12	S	1	b-bc	66	65	53	7	5	-	-	1	2-3	4000	18.4	-4	SW	2	b	64	65	53	7	5	-	-	2-3	4-6	4000	0	*	fbeb	bloc	bcc	CMo	CMo	
	Upper Heyford	21.9	-10	SE	1	C	65	75	55	7	5	-	-	10	10	2400	19.9	-2	WS	2	r	64	85	59	6	5	-	-	9	9+	2500	0	*	C	C	CMo	CMo	CMo	
4	Ross-on-Wye	21.5	-12	NE	2	C	66	75	57	7	5	-	-	9+	9+	3500	19.5	-6	SW	2	Zo	64	85	59	6	5	-	-	4-6	4-6	3000	0	*	bcc	bcbbc	CMo	CMo	CMo	
5	Hartland Point	21.9	0	WNW	2	C	64	85	61	7	5	-	-	9	9	4000	21.1	+2	WNW	2	C	61	97	60	7	5	-	-	7-8	10	800	0	2	C	cbcc	cbcc	cbcc	cbcc	
	Bristol	22.2	-6	SSE	1	C	64	85	59	7	5	-	-	10	10	2500	21.3	+4	WSW	2	C	63	85	59	7	5	-	-	9+	9+	4000	1	3	0	cbccmo	cbccmo	cbccmo	cbccmo	cbccmo
	Portland Bill	21.0	-2	NE	3	0	60	92	58	7	5	-	-	10	10	2500	21.2	+2	NW	2	0	62	92	60	7	5	-	-	10	10	2500	1	3	0	0	0	0	0	0
	Plymouth	22.2	0	SSW	2	Zo	63	85	58	6	5	2	-	9	10	2500	21.8	+2	NW	3	Zo	64	85	59	6	5	-	-	4-6	10	2500	0	2	cbccmo	cbccmo	cbccmo	cbccmo	cbccmo	
	The Lizard	22.0	0	SW	2	C	66	75	59	6	8	2	-	7-8	9+	1300	22.1	+4	WNW	2	0	61	92	59	6	5	-	-	10	10	1000	0	3	coc	OCO	CMo	CMo	CMo	
	Seilly (St. Mary's)	22.6	+4	SSW	1	C	63	85	60	6	5	2	-	7-8	10	500	22.0	0	-	0	f	61	97	61	3	-	-	10	10	1500	1	2	c	offe	ofdbc	cd	cd		
6	Pembroke	21.9	-4	SE'S	3	Zo	63	85	59	6	5	-	-	2-3	2-3	3000	20.3	-6	SW	4	Zo	61	97	60	6	5	-	-	10	10	2000	0	2	cbccmo	CMo	CMo	CMo	CMo	
7	Holyhead (Valley)	21.5	-6	SW	4	Zo	64	75	57	6	-	3	1	0	9	-	18.2	-10	SSW	5	Zo	60	92	58	5	5	-	-	9+	10	800	0	3	cbccmo	CMo	CMo	CMo	CMo	
	Chester (Sealand)	20.4	-20	S'E	3	b	67	65	54	7	-	-	-	0	0	-	18.3	-6	SW	2	C	65	65	55	6	5	-	-	4-6	9	3500	0	*	bm	bbye	CMo	CMo	CMo	
8	Manchester	21.2	-14	S	3	b	66	65	52	6	-	-	-	0	0	-	18.5	-10	SSW	2	Zo	63	75	57	6	5	-	-	4-6	9	4000	0	*	bcbzo	bzo	CMo	CMo	CMo	
10	Spurn Head	22.4	-14	SE'E	2	bc	60	65	49	7	-	3	1	0	4-6	-	18.8	-10	SE'S	3	b-bc	59	85	55	7	-	3	1	0	2-3	-	0	3	bc	C	CMo	CMo	CMo	
	Catterick	20.4	-22	SSE	3	m	66	65	52	4	1	-	-	2-3	2-3	4000	17.4	-26	SW	2	Zo	64	65	51	5	5	-	-	4-6	9+	4000	0	*	CMoCbm	bczemo	CMo	CMo	CMo	
	Tynemouth	20.4	-18	SW	3	bc	66	65	56	6	5	-	-	4-6	4-6	2000	17.3	-12	SSW	3	Zo	65	65	53	5	5	-	-	7-8	7-8	2400	0	2	CMoC	CMo	CMo	CMo	CMo	
11	St. Abbs Head	16.0	-32	S	5	C	65	65	52	7	5	-	-	9+	9+	2000	13.1	-24	SW	4	C	60	85	54	7	5	-	-	7-8	9	2000	0	3	CCMo	CMo	CMo	CMo	CMo	
	Leuchars	16.0	-28	S	3	C	62	85	58	6	5	7	-	4-6	9+	2500	11.2	-30	SSW	4	Zo	60	92	58	6	5	-	-	2-3	9+	2000	0	*	CMo	CMo	CMo	CMo	CMo	
12	Renfrew (Abbots I.)	16.2	-14	SSW	3	r	60	85	56	6	6	2	-	9	10	800	11.2	-30	SW	4	C	62	75	57	7	6	-	-	7-8	10	1200	1	*	Cfofofmo	CZoifoc	CMo	CMo	CMo	
	Eskdalemuir	17.9	-22	SSW	5	C	57	85	53	6	3	-	-	10	10	1600	14.5	-18	SW'S	5	C	57	92	55	6	5	-	-	10	10	400	1	*	Cidoc	COrr	CMo	CMo	CMo	
	Point of Ayre	18.9	-34	SW	4	C	64	75	56	7	5	-</																											

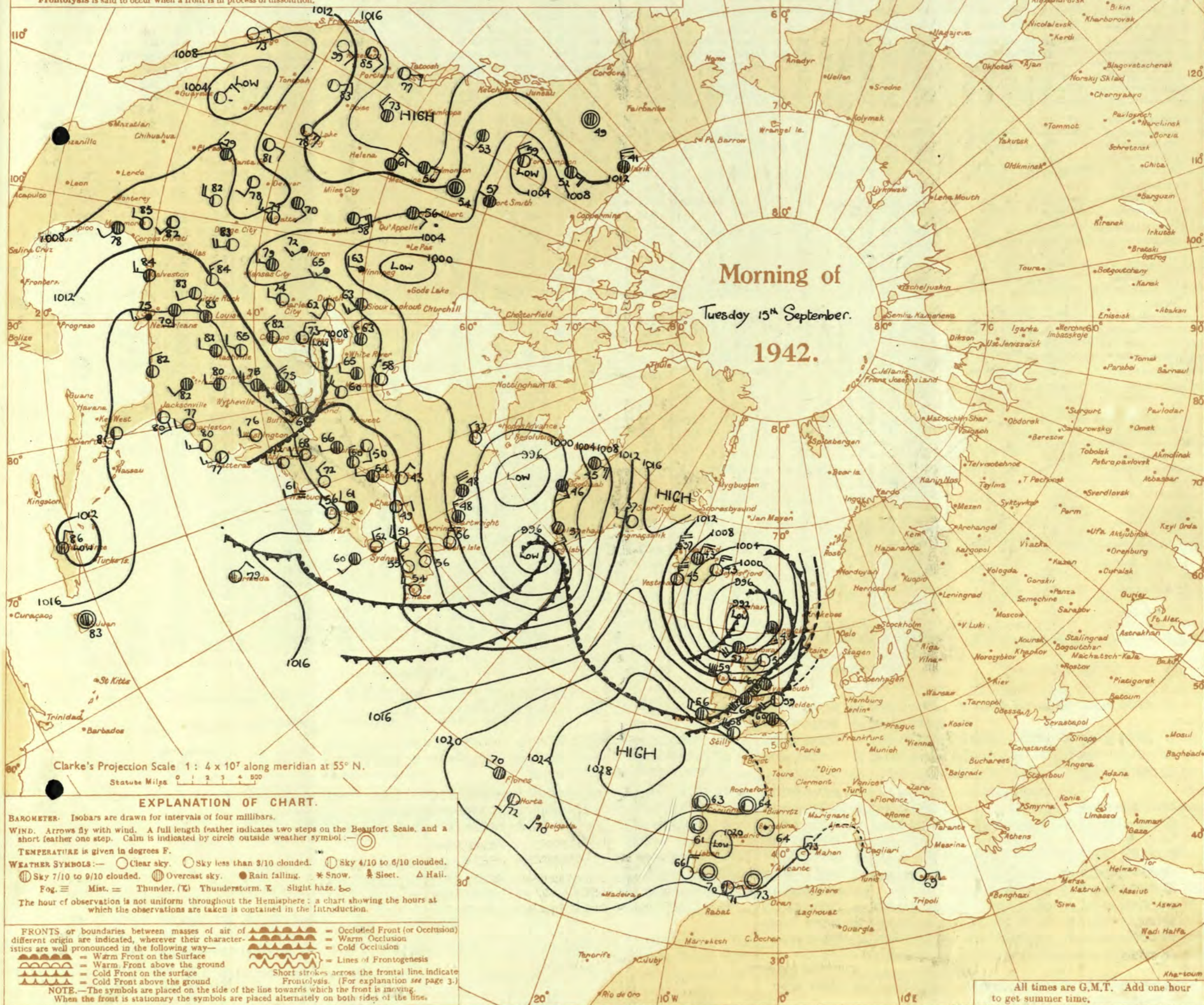
7h. Tuesday 15th September 1942.



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



PAST 24 HOURS

Stations.	Temperature			Rainfall		Sun- shine to sunset	Humidity	
	Day	Night	Min on grass	Day	Night		15h %	9h %
	Max	Min				hrs		To-day
	°F	°F	°F	mm	mm	Yesterday		
W.	67	58	54	Tr	Tr	0.2	•	•
oydon	67	58	53	0.1	Tr	0.1	•	•
reenwich ..	66	57	47	-	Tr	0.0	80	83
estminster ..	67	58	54	Tr			78	91
gents Park ..	67	58	54	-	Tr		62	82
iden Square ..	66	58	53	-	Tr	•	•	•
ensington ...	68	58	50	-	0.2		89	89
umpstead ..	65	56	50	-	Tr		•	91

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Wednesday 16th September 1942

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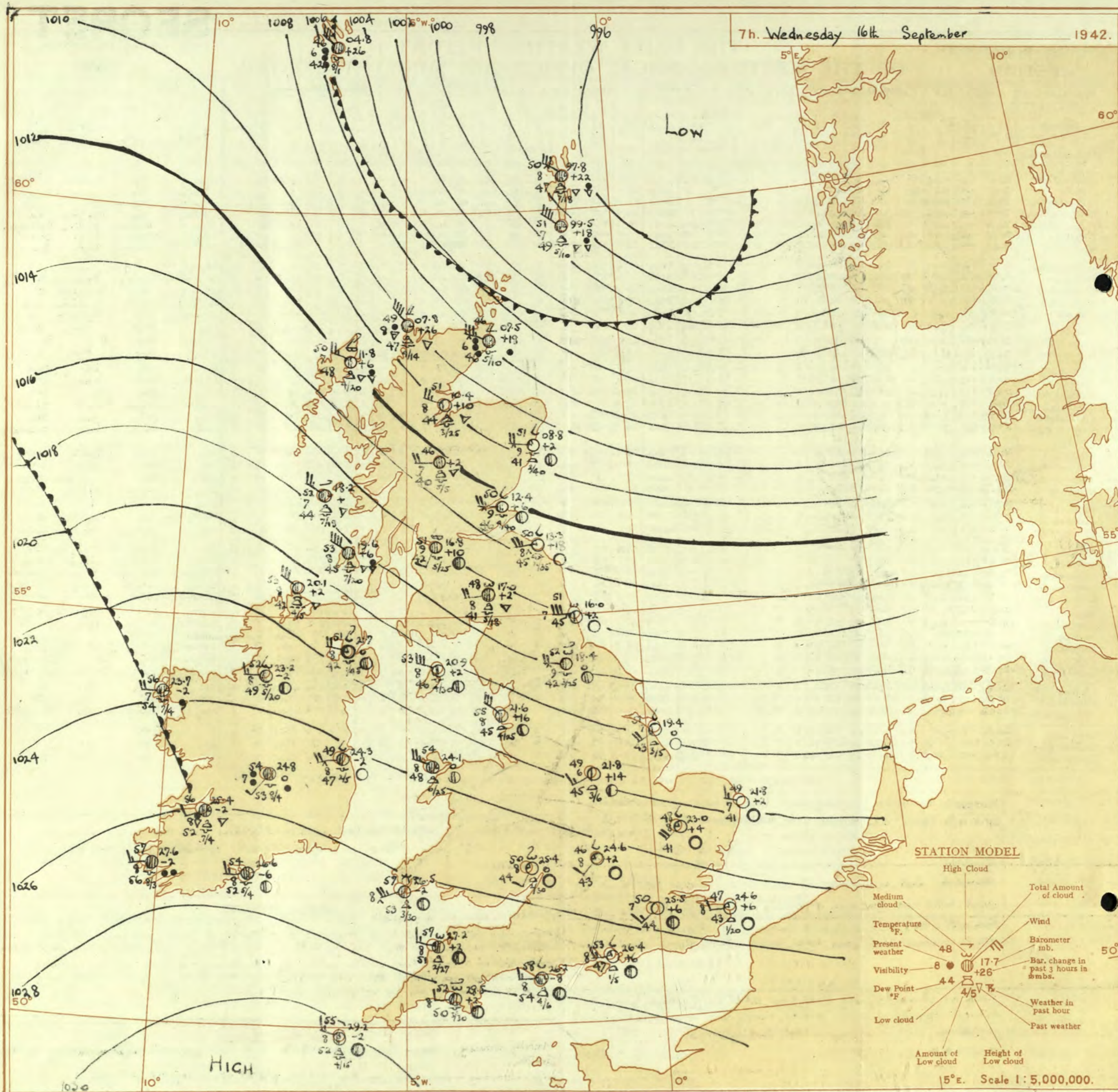
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BRITISH
SECTIONTHE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

OBSERVATIONS at 13h. G.M.T. 15th September															OBSERVATIONS at 18h. G.M.T. 15th September															PAST 24 HOURS.										
Indicator.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visiblity. 0-9 (9)	Cloud.					Barom. M.S.L. -mt. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visiblity. 0-9 (24)	Cloud.					State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.								
				Dir.	Force. 0-12 (4)						Form.	Amount.		Height of Base. (feet) (15)	Dir.			Force. 0-12 (19)							Form.	Amount.		Height of Base. (feet) (30)	7h.-13h. 15th (39)			13h.-18h. 15th (40)	18h.-19h. 16th (41)	19h.-7h. 16th (42)						
												Low.	Med.					High.	Low.							Total	Low.								Med.	High.	Low.	Total		
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	22.0 21.5 22.4 22.9 22.4 21.2 20.5	+10 +4 +8 +3 +6 -10 +14	NW NW WNW NW WNW NW WNW	4 4 4 5 4 4 3	b-bc b b b b b b-bc	64 64 64 62 67 61 60	35 35 35 45 45 65 65	33 33 37 42 45 46 43	8 8 8 9 9 6 8	1 4 1 1 1 1 1	- - - - - - -	2-3 Tr Tr Tr 4-6 2-3 Tr	2-3 Tr 1 1 4-6 2-3 2-3	4000 2500 3000 3000 4000 2000 2200	23.5 23.1 23.8 24.4 24.2 22.7 22.2	+14 +10 +14 +8 +6 +6 +30	WNW NW WN WN WN W WNW	3 3 3 3 4 1 2	b b b b b b b	61 61 62 58 61 58 61	45 55 45 65 55 55 55	40 44 41 48 46 43 43	8 8 9 9 9 8 8	4 - - 1 6 - - 5	- - - - - - -	1 Tr Tr Tr Tr 0 1	1 Tr 1 1 0 0 1	2500 3000 4500 4000 0 0 2500	0 1 0 0 0 0 0	• • • • • • •	cr, bc cib, bc cib, bc cib, bc cib, bc cib, bc cib, bc	by by by by by by by	bybw bybw bybw bybw bybw bybw bybw	bw bc bc bc bc bc bc					
2	Shoeburyness Felixstowe Gorleston Mildenhall Cranwell	21.0 20.1 19.1 20.3 18.3	+4 +12 +10 +10 +10	NW WNW WNW WNW WNW	4 5 6 5 6	b-bc b-bc b-bc b-bc b-bc	64 63 63 65 62	45 45 55 45 45	44 43 48 41 41	8 7 8 8 7	1 1 8 1 1	- - - - -	4-6 2-3 4-6 4-6 4-6	4-6 2-3 7-8 4-6 4-6	2500 4000 2000 3500 3000	21.9 21.4 20.9 21.5 20.7	+6 +14 +18 +10 +6	NW W NW WN WN	3 5 3 2 4	b b b b b-bc	61 63 61 60 58	55 45 46 55 55	44 42 49 42 41	8 8 7 8 8	- - - - -	0 Tr 0 1 2-3	0 Tr 1 1 2-3	- - - - - - -	0 1 3500 4500 4000	0 0 0 0 0	• • • • •	cd, bc cd, bc cd, bc cd, bc cd, bc	by by by by by	bybw bybw bybw bybw bybw	bw b b bc bc					
3	Birmingham Upper Heyford	21.8 21.5	+10 +6	W W	4 4	b-bc b-bc	61 62	45 45	40 42	8 9	5 1	- -	4-6 2-3	4-6 2-3	4000 2800	23.0 23.1	+8 +10	W WN	4 3	b-bc b-bc	56 58	55 55	48 42	8 9	5 1	4 1	- 1	2-3 2-3	4000 3000	0 0	• •	bc ir, bc	bc bc	bc b	bc b					
4	Ross-on-Wye	22.8	+10	WNW	5	b-bc	61	45	41	8	1	-	-	2-3	2-3	4000	24.3	+6	W	3	b	57	55	50	8	1	5	5	Tr	1	4000	0	•	bc cib	bc bc	bc byb	bc bw			
5	Hartland Point Bristol Portland Bill Plymouth The Lizard Seilly (St. Mary's) Guernsey	25.7 24.1 23.9 26.1 26.9 27.3	+8 +6 +10 +10 +20 +10	NW W W NW NNW NNW	4 4 4 5 5 4	b-bc b-bc b-bc b-bc b-bc b-bc	57 62 62 61 62 64	75 58 85 55 55 75	47 47 59 48 46 56	8 9 8 8 8 8	2 1 2 1 7 8	4 4 - - - -	2-3 2-3 4-6 2-3 4-6 2-3	4-6 2-3 4-6 2-3 4-6 2-3	2500 2500 4000 2500 2500 1200	26.7 25.2 25.6 27.5 28.3 28.9	+4 +8 +12 +10 +6 +6	WNW W WNW NW NW NW	3 3 4 4 3 3	b-bc b-bc b-bc b-bc b-bc b-bc	58 57 61 58 57 61	75 65 85 65 65 75	48 47 58 48 45 54	8 9 9 8 8 8	1 1 - 1 7 1	- - - - - -	4 Tr 7-8 2-3 4-6 1	4 2-3 7-8 2-3 4-6 4-6	2500 3500 4000 2500 2500 1500	0 1 1 3 0 0	4 • • 3 3 3 3	bc cib, bc cib, bc cib, bc cib, bc cib, bc	bc bc bc bc bc bc	bc bc bc bc bc bc	bc bc bc bc bc bc					
6	Pembroke	25.6	+4	WNW	3	b-bc	58	65	47	8	2	-	-	4-6	4-6	3000	26.4	+4	W	5	b-bc	59	65	47	8	2	6	5	2-3	4-6	3500	0	3	bc bc	bc bc	bc bc	bc bc			
7	Holyhead (Valley)	22.8	+6	W	7	b	61	55	46	8	1	-	-	4-6	4-6	3000	23.0	+2	WNW	6	b-bc	58	65	46	8	5	4	-	-	2-3	2-3	3000	0	4	bc bc	bc bc	bc bc	bc bc		
8	Chester (Sealand)	21.3	+12	WNW	5	b	61	65	49	8	2	-	-	4-6	4-6	4000	22.1	+8	WNW	3	c	58	55	43	8	8	6	-	-	3+	3+	3500	0	•	bc bc	bc bc	bc bc	bc bc		
9	Manchester	20.6	+18	WSW	5	c	57	65	47	6	2	6	-	-	7-8	9	2500	21.4	+4	WSW	4	b	56	75	47	8	2	-	-	-	-	4-6	4-6	2500	0	•	bc bc	bc bc	bc bc	bc bc
10	Spurn Head Catterick Tynemouth	17.5 17.3 14.3	+14 +18 +12	WN W W	7 5 6	b-bc b-bc b-bc	61 61 61	75 55 85	54 44 55	7 8 7	1 2 2	- - -	4-6 4-6 4-6	4-6 4-6 7-8	4000 3000 2400	18.9 18.8 16.1	+8 +10 +4	W WNW W	6 3 6	b-bc b-bc b-bc	59 54 56	55 65 65	42 42 43	7 9 7	3 8 2	- - -	- - -	4-6 4-6 2-3	4-6 4-6 2-3	4000 2000 2500	0 0 1	• • 3	bc bc bc	bc bc bc	bc bc bc	bc bc bc				
11	St. Abbs Head Leuchars	10.8 10.8	+14 +34	W W	6 7	b-bc b-bc	57 60	55 65	41 39	8 9	1 2	- 6	4-6 4-6	4-6 4-6	3500 3000	12.4 11.0	+8 +2	W W	5 5	b c/pr	53 52	52 52	51 50	8 8	5 9	- 6	- - -	- - -	2-3 7-8	4-6 7-8	3500 2800	0 1	5 •	bc bc	bc bc	bc bc	bc bc			
12	Renfrew (Abbots L.) Eskdalemuir Point of Ayre	14.6 15.0 18.9	+24 +28 +14	W WNW WNW	7 5 6	b-bc c-bc b-bc	59 53 63	55 75 55	44 45 45	8 8 8	8 8 2	- - -	7-8 9 2-3	7-8 9 2-3	2500 1800 3000	14.2 15.9 19.5	+4 +6 +2	W W WNW	5 6 7	c-bc c-bc b-bc	51 49 57	55 75 65	46 40 45	5 8 8	3 8 2	- - -	- - -	7-8 7-8 4-6	7-8 7-8 4-6	2000 1900 3000	1 1 0	• • 5	bc bc bc	bc bc bc	bc bc bc	bc bc bc				
13A	Tiree	15.0	+10	WN	7	b/pr	55	65	45	8	3	-	-	4-6	4-6	2500	14.8	+4	WNW	7	b/pr	52	55	46	8	8	-	-	-	-	4-6	4-6	1800	1	6	bc bc	bc bc	bc bc	bc bc	
13B	Stornoway	06.3	+6	WSW	7	c/pr	50	92	48	8	7	-	-	7-8	9+	2500	09.1	+30	WNW	5	c-bc	50	75	43	8	2	7	-	-	-	-	4-6	7-8	1000	1	3	bc bc	bc bc	bc bc	bc bc
15	Dalwhinnie Aberdeen Wick Sumburgh	11.0 08.4 05.6 07.3	+22 +28 +46 +64	W WN WNW WNW	4 5 6 8	b-bc b-bc c-bc c-bc	50 59 53 51	65 45 75 75	40 38 43 45	8 8 9 7	8 8 8 9	- - - -	2-3 4-6 7-8 9+	2-3 4-6 7-8 9+	2500 3500 2500 1500	09.6 08.3 05.4 00.3	-4 -4 +2 +6	W WSW W WN	3 4 3 7	pr c ir c-bc	45 51 49 51	85 65 75 75	40 33 43 45	7 8 9 8	5 3 3 7	- - - -	- - - -	3+ 4-6 7-8 4-6	3+ 9 9 7-8	2500 3000 1000 1500	1 0 1 1	6 4 1 5	bc bc bc bc	bc bc bc bc	bc bc bc bc	bc bc bc bc				
17	Blackhead Point	24.8	+8	WNW	4	b	57	65	46	8	8	-	-	3	4-6	4-6	4000	25.2	-2	WNW	5	b	54	65	43	8	8	-	-	4-6	4-6	4000	0	4	bc pr	bc pr	bc pr	bc pr		
18	Malin Head Aldergrove	18.5 20.6	+12 +18	W WNW	6 4	b c/pr	55 54	85 75	50 45	8 8	2 8	- 6	4-6 7-8	4-6 9	2500 2000	18.7 21.1	+4 +6	W WNW	7 6	c c/pr	53 53	75 65	46 42	8 8	9 6	- -	- -	4-6 4-6	9 7-8	1500 2000	1 1	6 •	pr cib	pr bc	pr bc	pr bc				
19	Birr Castle	24.5	+8	W	3	c	60	55	45	8	2	-	-	4-6	9	1500	25.4	+4	W	3	b	54	75	46	8	5	3	-	-	2-3	4-6	2500	0	•	bc bc	bc bc	bc bc	bc bc		
20	Valentia Obay. Roches Point	28.6 27.0	+10 +10	WN NW	3 5	c-bc b	60 60	65 55	48 44	8 8	7 1	- -	7-8 1	7-8 4-6	4000 4000	28.7 27.3	+2 +4	WNW NW	3 4	c c	57 59	75 75	49 51	9 8	1 5	3 5	1 1	3 5	1 4-6	2500 4000	0 0	3 <								

7h. Wednesday 16th September

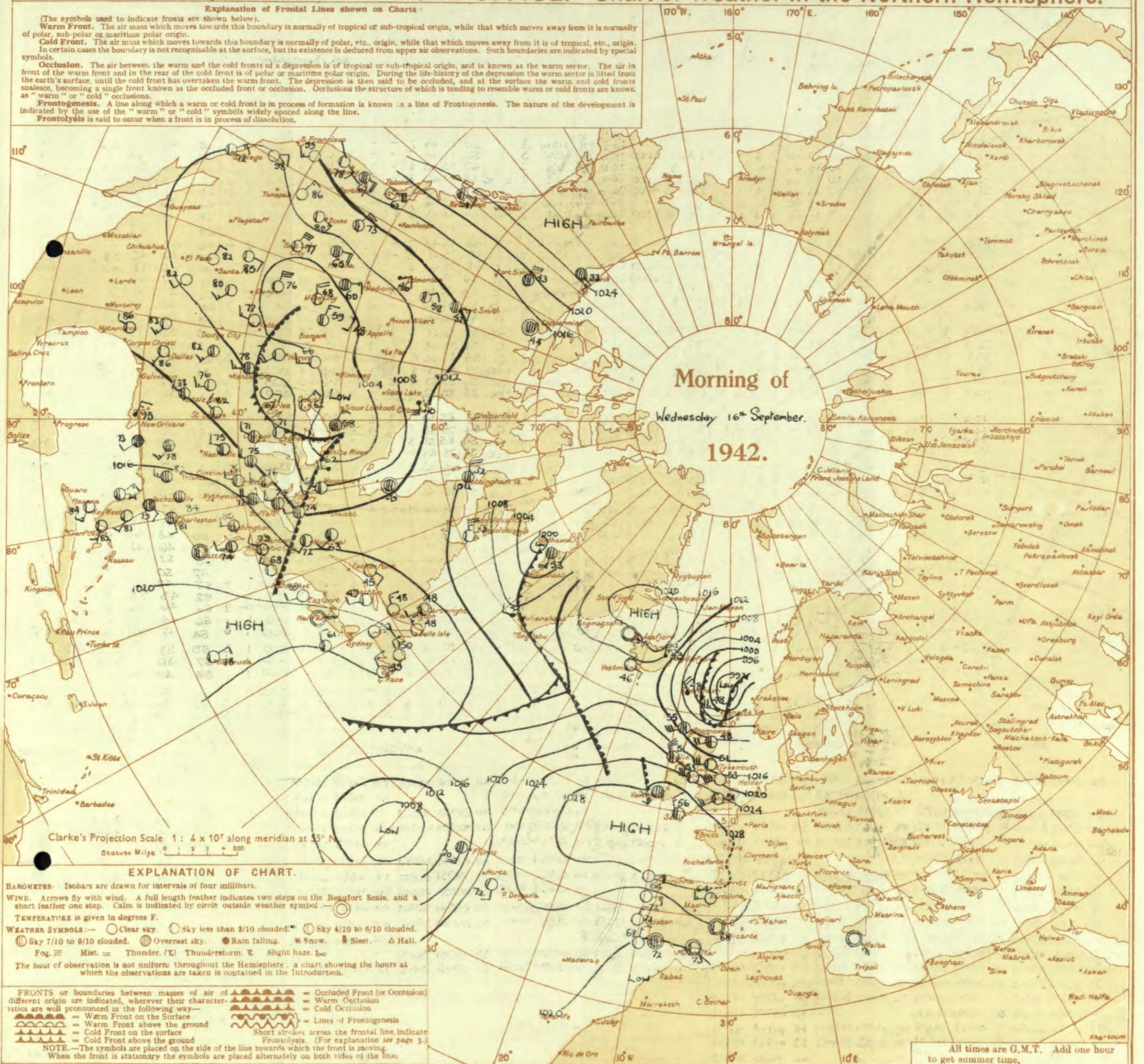
1942.



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below.)
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



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

Wednesday 16th September 1942
No. 23518

OBSERVATIONS at 1 hr. G.M.T. 16th September

OBSERVATIONS at 7 hr. G.M.T. 16th September

PAST 24 HOURS

[illegible]

Abridged observations of additional stations in the AVIATION WEATHER CODE

13h. G.M.T.				15th Sept.				18h. G.M.T.				01h. G.M.T.				16th Sept.				07h. G.M.T.																			
IIIC	C _M	wwVhN _h	DDFWN	C _L	C _M	wwVhN _h	DDFWN	C _L	C _M	wwVhN _h	DDFWN	C _L	C _M	wwVhN _h	DDFWN	C _L	C _M	wwVhN _h	DDFWN	C _L	C _M	wwVhN _h	DDFWN	C _L	C _M	wwVhN _h	DDFWN												
109	24	25755	58785	84	25854	24584	80	63548	57888	86	25745	60765	333	20	01863	24413	57	02955	26515	20	01852	24312	84	01854	22214	115	82	82734	86887	82	82844	97887							
203	6-	81838	26688	8-	02844	20588	5-	03898	24528				334	--	02746	28417	--	02746	26417				--		01753	26214	206	36	25953	59584	9-	81855	24385	80	01762	58682	80	01953	59583
210	36	81845	55586	96	25756	55487	4-	01754	20564	86	25845	57686	340				46	01964	24415	40	01762	26202	5-	01864	22314	336	13	02755	57585	04	01790	24511	00	00790	23480	50	01861	22400	
220	80	92647	25687	80	02756	27616				52	03855	26528	386	10	01953	28513	10	01754	28415				13	01752	24413	360				10	01864	59314	00	00790	24320	03	01890	22301	
230	8-	25757	56587				4-	02755	59585	5-	02857	57687	368	10	01863	25413	14	01863	24413	70	00751	70501	24	01843	28313	379				10	01853	26313	50	05652	26202	50	01751	20201	
245	24	02865	55515	24	25864	56484	40	01361	23101	54	01953	22313	390	10	01661	28461	50	01761	24401	40	05561	20201	00	05590	22200	278	8-	25845	53586	86	02845	59686	8-	61755	58665	5-	02847	57567	
260	20	81365	59515	4-	82757	57687	00	05690	24480	5-	02855	24515	382	10	01863	57413	40	01962	24412	03	01690	25211	04	01990	25201	279	20	25954	57584	86	25954	91785	2-	81246	57586	8-	25865	56586	
285	27	81745	24717	27	81745	24686	00	00790	20300				438	04	01790	21414							04	01770	24413	286	27	81745	24717	27	81745	24686	00	00790	20300				
288	2-	02855	57525	46	02364	54485	00	00790	20300	54	01863	55504	430	10	01852	26313	00	00890	02200	53	02762	24115				409	10	01853	28414	40	01864	28414	50	01743	28413	13	02845	25315	
575	20	25854	59584	8-	10856	59526	20	01855	26585	85	02855	24315																											
301	2-	01855	26685	2-	01855	26625	80	25863	26583	10	01854	28614																											
321	2-	01755	57515	86	01754	26424				43	02754	22415																											
299	20	31764	25414	10	01764	24514	00	00790	24300	10	01762	22312																											
292	30	01854	56414	80	01853	56583	40	01863	57403	53	01863	57404																											
310	--	01634	24514				--			--	01625	24515																											
614	27	21765	57415	26	01762	24413	56	05663	57385	10	05663	22313																											
																III = Index Number of Station—See Index Chart in Introduction. ww, W = Present and past weather—See M. O. 252. h, N _h = Height and amount of low cloud—See Introduction. N = Total amount of cloud—See Introduction. C _L , C _M = Form of low and medium cloud—See Introduction. V = Visibility. F = Force of wind—See Introduction. DD = Direction of wind (8 = E, 16 = S, 24 = W, 32 = N).																							
																§ Sea disturbance reported from Dungeness. † 01h. observations from Dyce.																							
																TERMS OF SUBSCRIPTION. { Single Copies, 1d. each, by post 1d. 2/6 per month; 8/6 per quarter; 25/- per year.																							

LONDON OBSERVATIONS

For the 24 hours ending morning of 16th September
Day 7h—18h Kew and Croydon, 9h—18h Kensington
9h—21h other stations except for rainfall which is 9h—18h

Stations	Weather						Atmospheric Pollution. Milligrams of solid impurity per cubic metre.	
	Morning		Afternoon		Night			
Kew	6.6	by	by			bybw	Kew 24 hours ends at 5 p.m. Max. 72° Min. 50° Ther. 56°	
Croydon	6.1	by	by			bybw		
Greenwich	6.0	by	by			bcby		
Camden Square	6		b			*		
*Kensington	6		b			*		
Hampstead	6c		bc			b	Min. 50° Ther. 56°	
Stations.	Temperature			Rainfall		Sunshine to sunset hrs	Humidity	
	Day	Night	Min on grass	Day	Night		15h %	9h %
	Max	Min						
	°F	°F	°F	mm	mm	Yesterday	To-day	
Kew	65	49	40	0.2	Tr	7.6	.	.
Croydon	67	47	43	1	Tr	7.1	.	.
Greenwich	68	46	35	0.8	-	6.9	39	59
Westminster	68	48	40		0.1		44	63
Regents Park	66	47	41	0.2	-		54	71
Camden Square	67	47	39	0.3	-	.	.	85
Kensington	68	47	37	Tr	0.2		23	62
Hampstead	66	43	37	-	-			76

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SECRET

Thursday 17th September 1942

No. 23512

Page 1

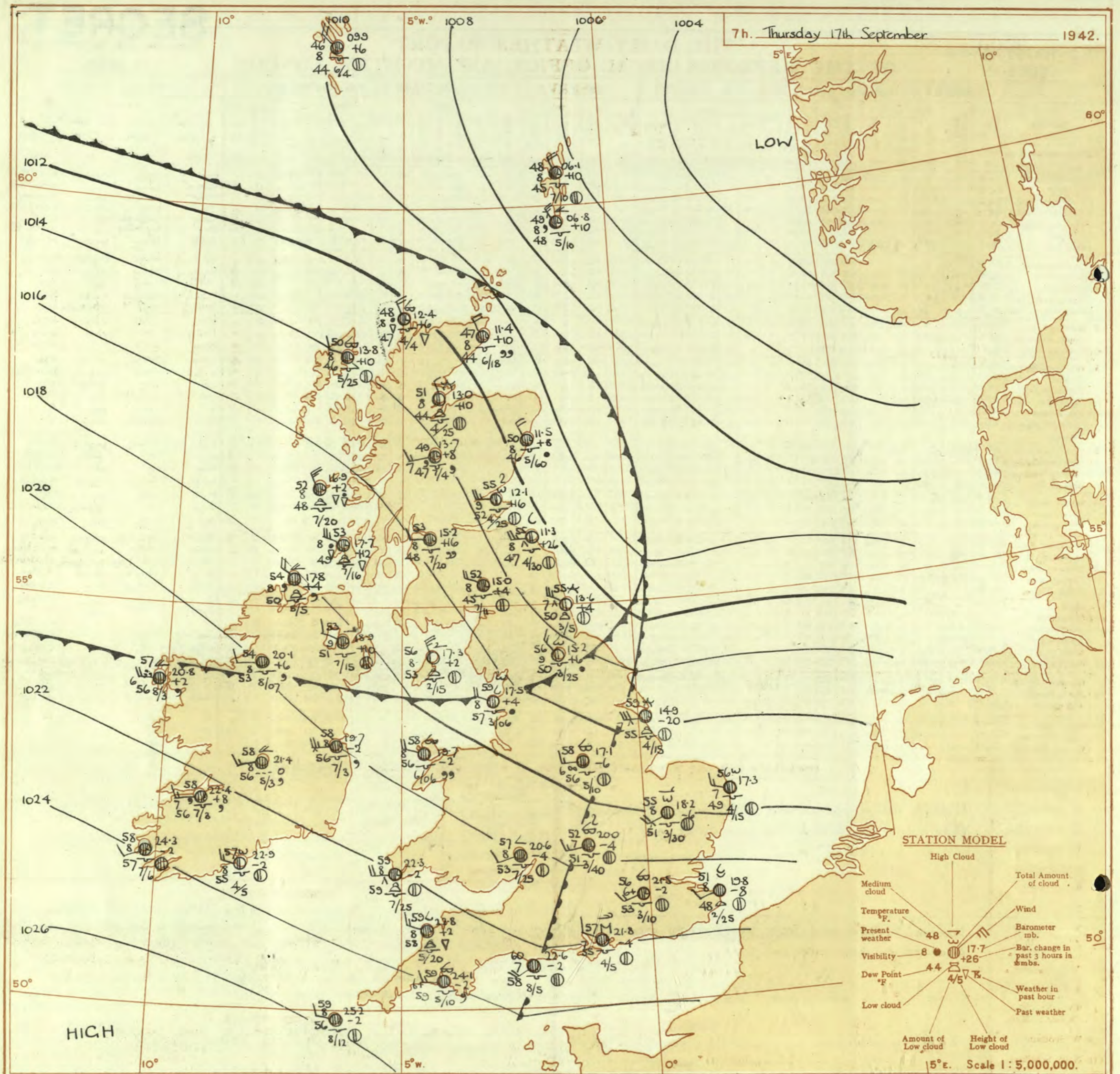
BRITISH
SECTIONTHE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

OBSERVATIONS at 13h. G.M.T. 16th September

OBSERVATIONS at 18h. G.M.T. 16th September

PAST 24 HOURS.

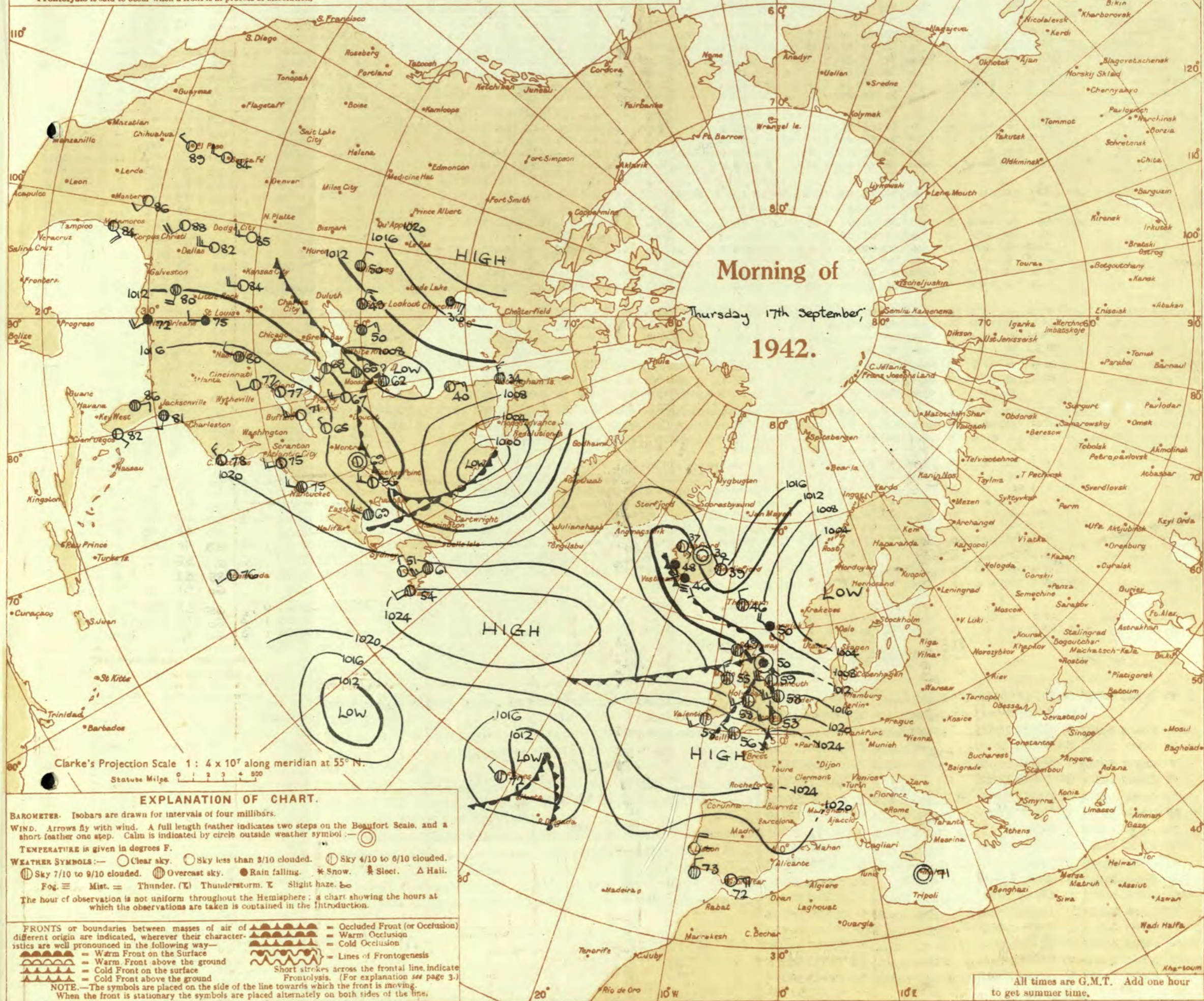
OBSERVATIONS AT 10 H. G.M.T. 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 8 hours. (2)	Wind.		Weather.	Temp. °F. (6)	°C. (7)	Dew Point. °F. (8)	°C. (9)	Visibility. 0-9 (10)	Cloud.					Barom. at M.S.L. (16)	Change in 8 hours. (17)	Wind.		Weather.	Temp. °F. (21)	°C. (22)	Dew Point. °F. (23)	°C. (24)	Visibility. 0-9 (25)	Cloud.					Barom. at M.S.L. (30)	Change in 8 hours. (31)	Sea. 0-9 (32)	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				Direc. (3)	Force. (4)							Low. (11)	Med. (12)	High (13)	Low 0-10 (14)	Total 0-10 (15)			Height of Base (feet) (15)	Direc. (18)							Force 0-12 (19)	Low. (26)	Med. (27)	High (28)	Low 0-10 (29)				Total 0-10 (30)	Height of Base (feet) (30)	State of ground. 0-9 (31)	7h.—13h. ...16th (39)	13h.—18h. ...16th (40)	18h.—16th 1h.—17th (41)	1h.—7h. ...17th (42)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below.)
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



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

Thursday 17th September 1942

No. 22519

OBSERVATIONS at 1 hr. G.M.T. 17th September																OBSERVATIONS at 7 hr. G.M.T. 17th September																PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.				Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.				Barom. at M.S.L. (31)	Change in 3 hours. (32)	TEMPERATURE.					RAINFALL.		SUN-SHINE 10th Hrs.			
					Dir.	Force.						Form.	Amount.	Height of Base. (feet)	Dir.			Force.	Form.						Amount.	Height of Base. (feet)	Max. Day 7h-18h °F. (35)	Min. Night 18h-7h °F. (36)			Min. on Grass °F. (37)	Day 7h-18h mm. (38)	Night 18h-7h mm. (39)								
																																		0-12	0-10	0-10	0-10		0-12	0-10	0-10
1	London (Kew)	18	22.9	-12	WSW	3	b	53	92	51	6	5	-	1	1	4500	20.6	-6	WSW	3	c	55	92	53	6	5	7	8	4-6	9+	2500	0	*	65	53	47	-	Tr	9.0		
	Croydon	290	22.6	-12	W'S	2	b	52	97	51	8	5	-	Tr	Tr	4000	21.1	-4	W'S	3	c	55	92	53	7	5	7	7	2-3	10	1000	0	*	67	52	50	-	Tr	9.2		
	S. Farnborough	226	23.7	-8	SW	2	b	51	97	51	7	8	-	4-6	4-6	1000	22.0	-2	W	2	Zo	55	97	55	6	5	7	2-3	9+	1500	0	*	66	50	45	-	Tr	9.0			
	Boscombe Down	417	23.6	-10	W'N	2	b	54	92	52	8	-	-	0	0	-	21.8	-4	WNW	2	C	57	92	55	7	5	8	2	4-6	9+	2500	0	*	68	52	46	-	-	*		
	Thorney Island	10	22.9	-6	WNW	1	b	49	97	48	7	-	-	0	0	-	21.7	-2	W	1	C-bc	50	97	50	2	-	6	0	7-8	-	0	*	66	43	37	-	-	3.5			
	Lympe	283	22.1	-10	WSW	2	b	51	85	43	7	-	-	0	Tr	-	19.8	-8	WSW	1	F	51	92	48	8	1	9	1	9	2500	0	*	66	48	43	-	-	7.7			
	Manston	154	22.1	-10	WSW	2	b	51	85	43	7	-	-	0	Tr	-	19.8	-8	WSW	1	F	51	92	48	8	1	9	1	9	2500	0	*	66	48	43	-	-	7.7			
2	Shoeburyness	11	21.2	-6	WSW	4	b	56	85	51	7	-	-	0	0	-	20.3	-2	W'S	3	C-bc	55	85	52	6	-	3	8	0	7-8	-	0	*	63	54	46	-	-	9.7		
	Felixstowe	12	21.2	-6	WSW	4	b	56	85	51	7	-	-	0	0	-	19.3	-6	SWW	4	Zo	55	85	50	6	5	3	-	1	9	4000	0	3	63	53	50	-	-	10.5		
	Gorleston	5	19.7	-10	W	2	b-bc	54	85	48	7	-	-	0	0	-	17.3	-8	W'N	3	C-bc	56	75	49	7	5	3	-	4-6	7-8	1500	0	3	65	56	45	-	-	10.5		
	Mildenhall	15	20.6	-6	SW	3	bc	55	75	48	8	5	-	4-6	4-6	4000	18.2	-6	SWW	4	C-bc	55	85	51	8	5	3	1	2-3	7-8	3000	0	*	67	51	43	-	-	10.9		
	Cranwell	203	18.2	-20	SWW	4	b-bc	56	65	49	7	5	-	2-3	2-3	3000	16.4	-8	WSW	4	Zo	56	85	52	6	5	7	5	2-3	1-6	1000	0	*	63	52	49	-	-	5.9		
3	Birmingham	535	22.1	-8	W	2	b	51	92	49	7	5	-	1	1	4000	19.0	-2	WSW	3	C	57	85	52	8	5	7	6	2-3	9	4000	0	*	63	53	48	-	-	6.2		
	Upper Heyford	408	22.1	-8	W	2	b	51	92	49	7	5	-	1	1	4000	20.0	-4	WSW	3	C	52	97	51	7	5	7	6	2-3	9+	4000	0	*	64	49	45	-	-	*		
4	Ross-on-Wye	223	22.1	-8	W	2	b	51	92	49	7	5	-	1	1	4000	20.6	-4	WSW	2	C	57	85	53	8	5	1	-	9+	10	2500	0	*	63	52	48	-	-	4.9		
5	Hartland Point	299	24.1	-6	WNW	3	c	59	92	57	8	5	-	9+	9+	2500	22.8	+12	WNW	3	C	59	97	58	8	8	4	-	7-8	9	2000	0	4	61	58	56	Tr	Tr	4.5		
	Bristol	209	23.7	-10	W'S	3	b	54	97	54	7	-	-	0	1	-	22.6	+12	W	3	C	58	92	56	7	5	1	-	2-3	9+	2500	0	*	64	53	47	-	Tr	6.1		
	Portland Bill	32	24.0	-8	SW	4	C-bc	59	92	57	7	5	-	7-8	7-8	4000	22.6	-2	SW	4	0	60	92	58	7	5	-	-	10	10	2500	1	3	62	57	*	-	0.3	*		
	Plymouth	82	25.7	-6	W	4	c	59	92	56	7	5	-	9	9	2000	24.1	-2	W	3	Zo	59	97	59	6	5	7	-	7-8	10	1000	0	2	65	57	54	-	Tr	5.6		
	The Lizard	240	26.6	-10	WNW	3	C-bc	67	85	54	8	6	-	7-8	7-8	2000	24.8	-4	WNW	4	C-bc	58	92	56	8	8	6	-	7-8	7-8	1500	0	3	64	56	*	-	-	6.6		
	Scilly (St. Mary's)	163	26.8	-6	WNW	3	c	56	97	55	8	5	-	9+	9+	1200	25.2	-2	W'N	2	C	59	92	56	8	5	-	-	10	10	1200	0	2	65	56	*	-	-	4.4		
	Guernsey	175	26.8	-6	WNW	3	c	56	97	55	8	5	-	9+	9+	1200	25.2	-2	W'N	2	C	59	92	56	8	5	-	-	10	10	1200	0	2	65	56	*	-	-	4.4		
6	Pembroke	142	23.8	-6	W'S	4	b	59	97	58	8	4	-	1	1	4000	22.3	-2	W	4	Cg	59	97	59	8	8	-	-	9+	9+	2500	0	3	60	57	*	Tr	-	1.7		
7	Holyhead (Valley)	32	21.1	-10	WSW	3	c	58	92	55	8	5	1	-	7-8	9+	4500	19.7	-2	W'N	4	g'd	58	92	56	8	5	7	-	9	10	600	1	4	63	57	55	0.1	Tr	6.8	
	Chester (Sealand)	16	19.6	-12	WSW	1	bc	57	75	51	8	5	4	5	2-3	4-6	5000	18.5	+6	WNW	3	dod	59	92	57	5	2	-	9+	10	1200	1	*	63	57	49	-	Tr	6.8		
8	Manchester	235	19.3	-14	S	4	bc	58	92	51	8	5	1	4-6	4-6	2500	17.8	+12	WSW	4	dod	57	97	56	5	6	2	-	9+	10	450	1	*	61	53	50	Tr	1	*		
10	Spurn Head	29	16.9	-16	W'S	5	C-bc	58	75	51	7	7	4	-	4-6	7-8	2500	14.9	+20	W'S	6	Cg	59	85	53	7	8	6	-	4-6	9	1500	0	5	60	56	*	-	-	8.2	
	Catterick	175	15.5	-12	NW	4	bc/v	59	85	55	6	5	7	-	2-3	4-6	2500	15.2	+6	NW	3	bc	56	75	50	9	5	-	9	2-3	4-6	2500	1	*	58	56	48	-	1	4.3	
	Tynemouth	108	14.1	-12	W	6	C/v	59	92	56	6	8	-	9	9	2500	13.6	+4	WNW	5	bcg	55	85	50	7	2	6	-	2-3	4-6	2500	1	3	58	55	*	-	-	*		
11	St. Abbs Head	280	10.2	-22	W	4	bc	58	85	54	7	5	4	-	4-6	4-6	2500	11.3	+26	W	5	bcg	55	85	47	8	5	4	-	4-6	4-6	3000	0	5	57	50	*	-	0.1	5.8	
	Leuchars	36	10.4	-20	WSW	3	b-bc	54	97	54	8	5	3	-	2-3	2-3	4500	12.1	+16	SW	5	C-bc	55	85	52	9	5	3	6	4-6	7-8	2500	0	*	61	53	49	-	Tr	5.8	
12	Renfrew (Abbots L.)	19	13.5	-2	SWW	3	C-bc/d	56	85	52	7	5	-	7-8	7-8	2000	15.2	+16	W'N	2	g'd	53	85	48	8	5	-	-	9+	9+	2000	1	*	60	52	49	0.1	Tr	0.0		
	Eskdalemuir	794	*	*	*	*	*	*	*	*	*	*	*	*	*	15.0	+4	WNW	4	C	52	75	45	8	5	-	-	9+	9+	1100	1	*	58	50	48	Tr	5	2.2			
	Point of Ayre	30	14.1	+8	W	5	c	58	92	56	8	5																													

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

SECRET

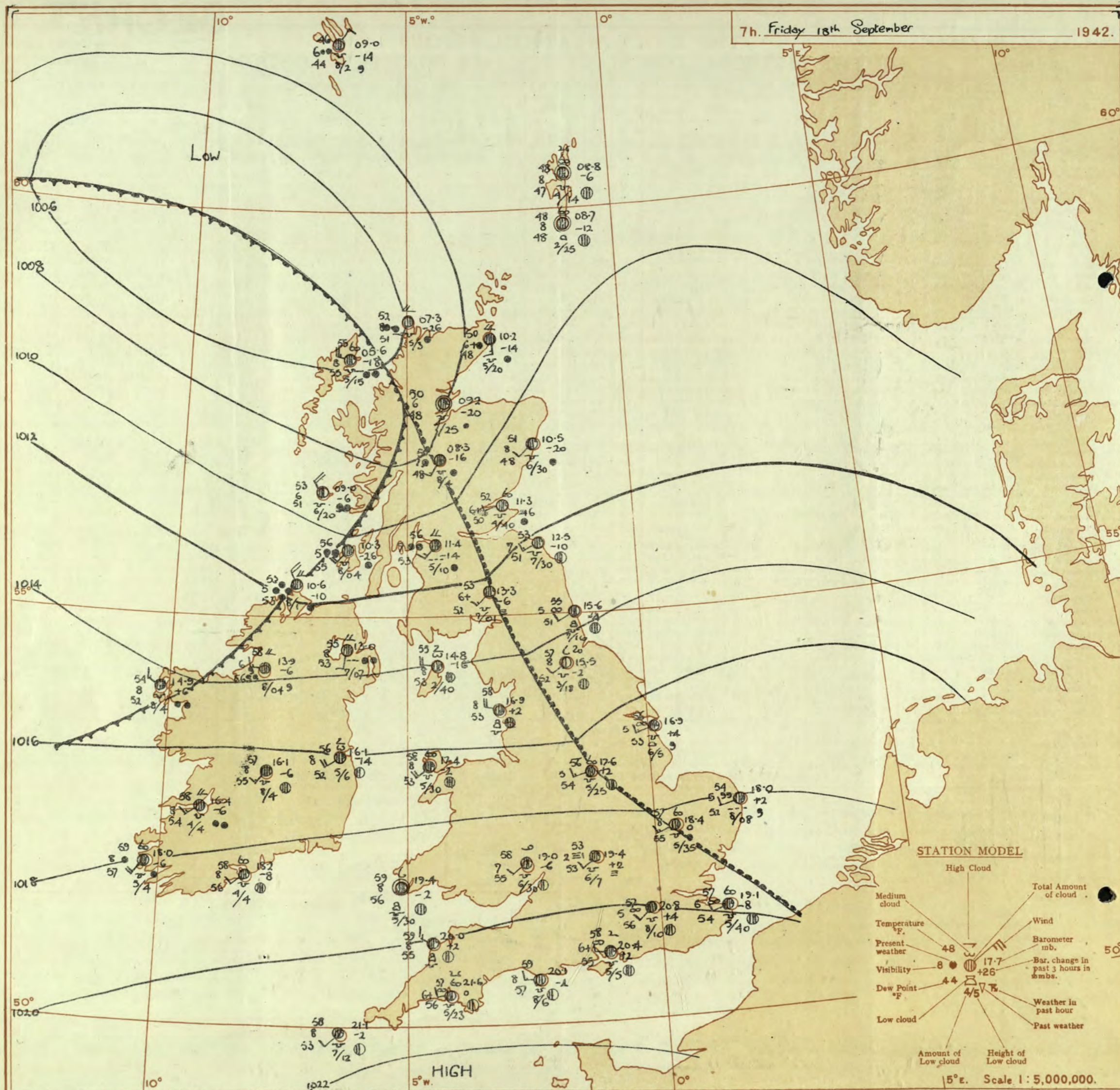
Friday 10th September 1942

No. 29520

OBSERVATIONS at 13h. G.M.T. 17th September															OBSERVATIONS at 18h. G.M.T. 17th September															PAST 24 HOURS.						
District.	STATIONS.	Barom. M.S.L. mb.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Dew Point. °F.	Visibility. 0-9	Cloud.					Barom. at M.S.L. mt.	Change in 3 hours.	Wind.		Temp. °F.	Humid. %	Dew Point. °F.	Visibility. 0-9	Cloud.					State of ground.	Sea.	WEATHER.						
				Dir.	Force.					Form.	Amount.	Height of Base. feet.	Dir.	Force.			Form.	Amount.					Height of Base. feet.	Dir.	Force.	Form.	Amount.			Height of Base. feet.	7h.—13h. 17th	13h.—18h. 17th	18h.—19h. 18th	19h.—7h. 18th		
																																			Low.	Med.
1	London (Kew)	29.6	-6	WSW	3	C	63	65	54	8	5	3	-	9	2500	19.3	0	W	2	C-bc	65	75	55	8	5	3	1	7-8	7-8	1500	0	*	cm	c	ebw	becmow
	Croydon	29.7	-6	W	3	C	64	75	54	7	5	2	-	7-8	10	1500	19.9	-6	W	2	C	65	75	56	7	3	3	9	9	2500	0	*	cm	c	bm	cm.pncf
	S. Farnborough	29.2	-10	W'S	3	C	64	75	55	8	5	7	-	7-8	9	2600	19.4	0	W'S	3	bc	65	75	56	8	7	7	8	7	2500	0	*	cm	c	bcwm	cm.pncf
	Boscombe Down	29.2	-6	W'S	4	C	65	75	56	8	8	9	-	2-3	10	2500	20.7	-2	W'S	4	C-bc	62	85	58	8	5	6	4-6	7-8	3000	0	*	cm	c	bc	bcwm
	Thorney Island	29.4	-4	W'S	4	C	65	75	57	8	8	-	-	10	10	1000	20.0	-2	W'S	3	C-bc	66	75	58	8	1	7	1	2-3	1000	0	*	cm	c	bc	bcwm
	Lymington	29.3	-6	W'S	4	C	63	75	54	8	5	-	-	10	10	1000	19.4	-6	W'S	3	C	63	75	56	8	3	-	9	9	1500	0	*	cm	c	bc	bcwm
	Manston	29.2	-6	W'S	3	C	65	75	53	6	5	-	-	2-3	10	3000	19.5	-2	W'S	1	C	64	75	55	6	5	-	9	9	1500	0	*	cm	c	bc	bcwm
2	Shoeburyness	29.3	-6	WSW	3	C	68	65	56	6	5	3	2	7-8	9	2500	19.0	0	WSW	2	C	65	65	54	6	5	-	9	9	2500	0	*	cm	c	ebw	becmow
	Felixstowe	29.2	-10	WSW	4	C	67	65	55	8	5	1	-	9	10	2500	17.9	-2	W'S	3	C-bc	65	75	57	7	7	3	4-6	7-8	3500	0	3	c	ebw	becmow	
	Gorleston	29.3	-12	W'S	4	C	63	85	58	7	8	-	-	7-8	7-8	1700	16.8	-6	W'S	4	C-bc	64	65	53	7	8	-	7-8	7-8	1800	0	3	c	ebw	becmow	
	Mildenhall	29.4	-4	W'S	4	C	64	75	56	7	5	-	-	4-6	9	2000	18.1	-8	W'S	4	C-bc	62	65	50	7	4	-	4-6	7-8	2500	0	*	c	ebw	becmow	
	Cranwell	29.3	0	W'S	6	C	66	55	49	7	2	-	-	4-6	4-6	1000	18.0	-10	W'S	3	C-bc	58	65	44	7	4										

7h. Friday 18th September

1942.



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.

Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.

Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.

Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.

Frontolysis is said to occur when a front is in process of dissolution.



SECRET

Saturday 19th September 1942

No. 29521

Page 1

BRITISH
SECTION

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

OBSERVATIONS at 13h. G.M.T. 19th September

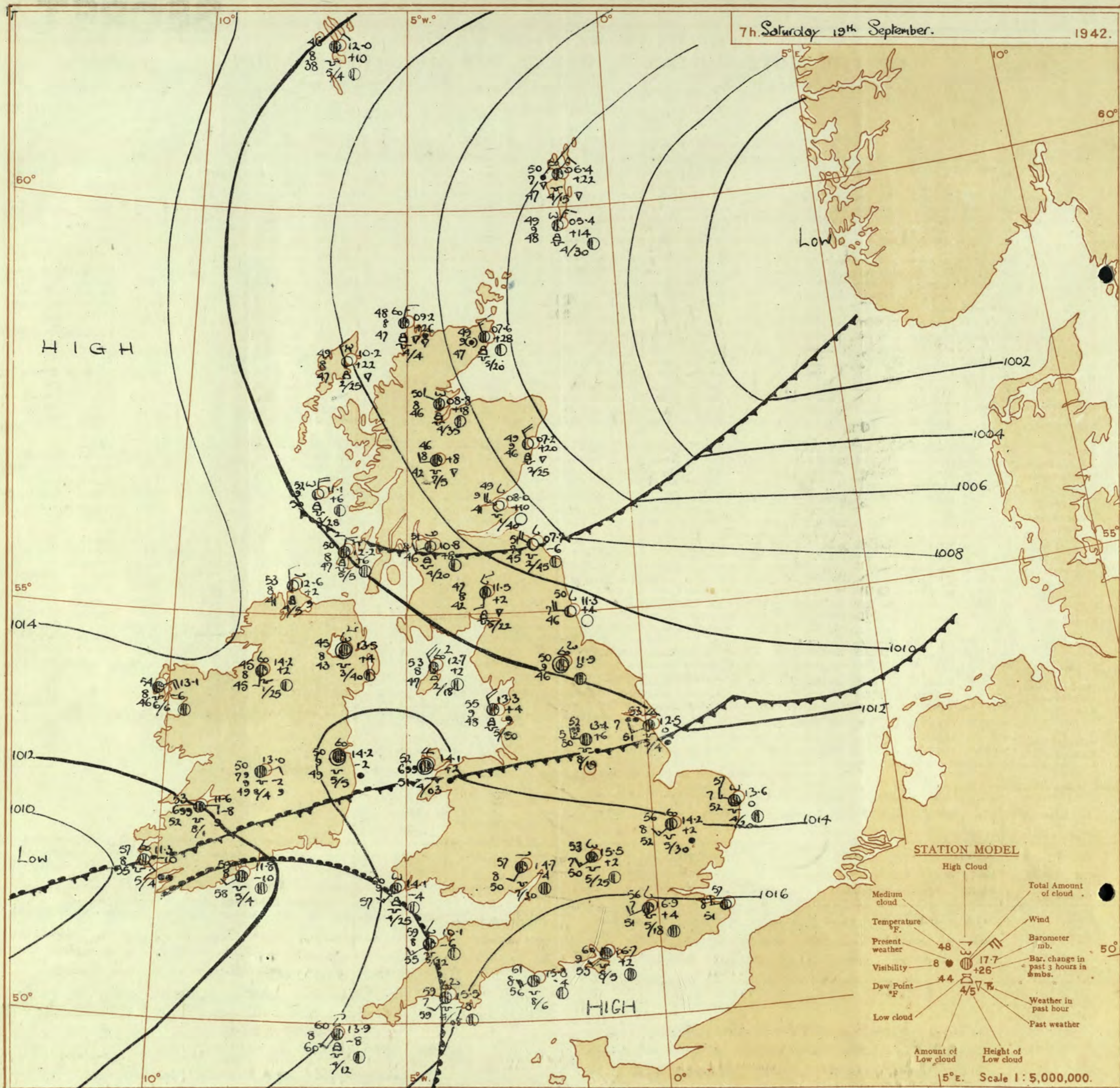
OBSERVATIONS at 18h. G.M.T. 19th September

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visiblity. 0-9 (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visiblity. 0-9 (24)	Cloud.					State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.											
				Direc. (3)	Force. (4)						Low. (10)	Med. (11)	High (12)	Low 0-10 (13)	Total 0-10 (14)			Height of Base (feet) (15)	Direc. (18)						Force 0-12 (19)	Low. (25)	Med. (26)	High (27)	Low 0-10 (28)			Total 0-10 (29)	Height of Base (feet) (30)	7th.—13th. 15th (39)	13th.—18th. 15th (40)	18th.—19th. 19th (41)	19th.—7th. 9th (42)						
																																						Form.	Amount.	Height of	Form.	Amount.	Height of
																																						Low.	Med.	High	Low	Total	Base
1	London (Kew) Croydon S. Farnborough Boscombe Down Thornby Island Lympne Manston	19.3 20.1 19.4 20.1 20.5 19.7 18.6	-6 -4 -3 -4 -6 -10 -14	SW WSW SW WSW WS WSW WSW	3 3 3 3 3 3 2	C C C C C C bc	63 64 63 61 62 65 69	75 75 85 85 75 65 55	52 54 53 53 58 53 53	8 8 8 7 7 8 2	8 7 7 7 7 7 2	- - - - - 7 3	7-8 9 9 9 10 7-8 4-6	8 9 9 9 10 10 4-6	2500 2500 2200 2100 2800 2500 2500	18.0 18.7 17.9 18.4 18.8 18.8 18.0	-2 -4 -4 -4 -16 -2 -2	SW SW SW SW WSW WSW WSW	3 3 3 3 4 3 3	C C C C C C C	62 62 62 59 61 61 61	75 76 75 85 75 75 65	54 58 53 54 53 53 51	8 7 8 8 9 8 8	5 5 5 5 7 8 1	- - - - 3 - 																	

7h. Saturday 19th September.

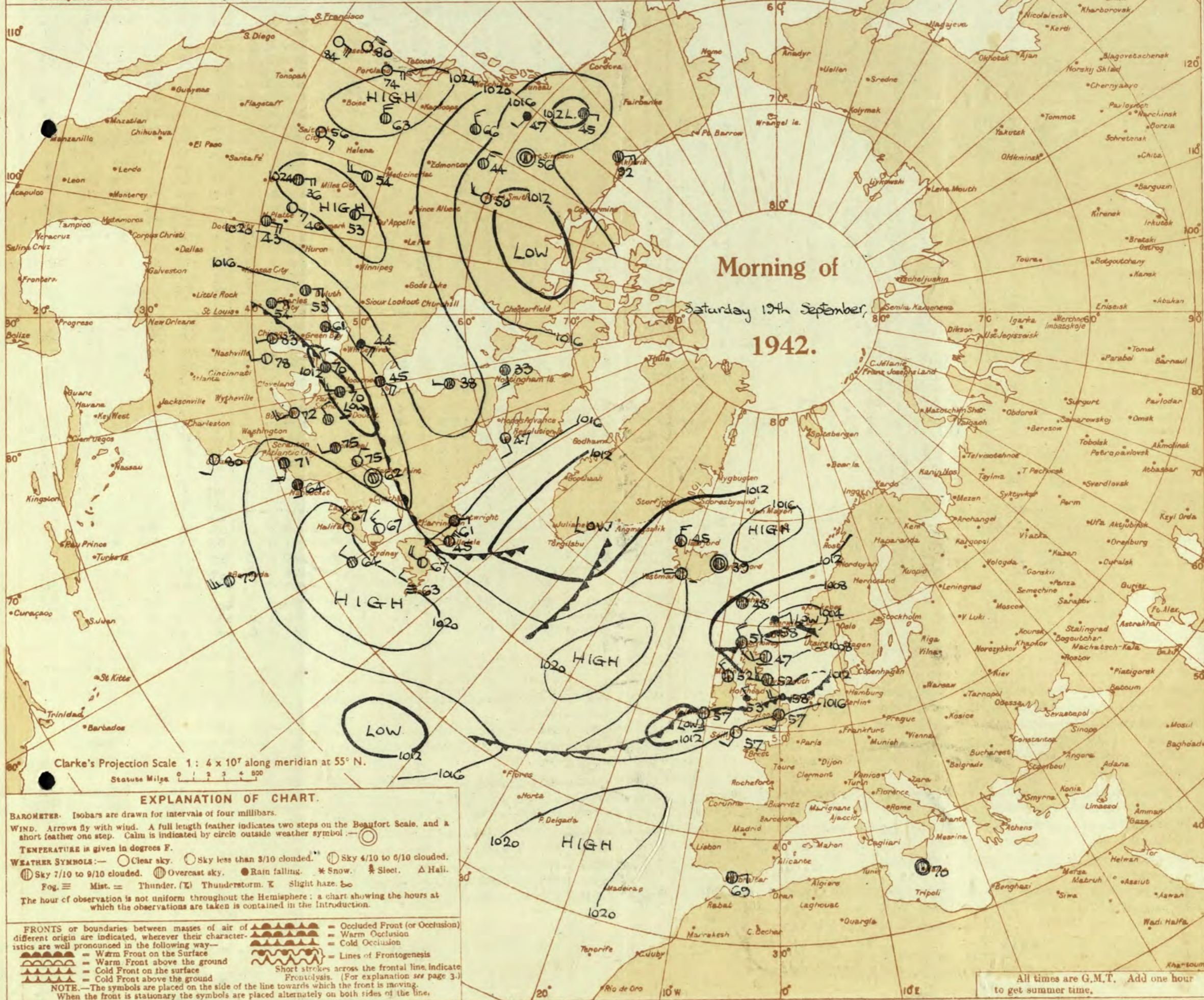
1942.



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Frontolysis is said to occur when a front is in process of dissolution.



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

Saturday 19th September 1942

No. 27521

OBSERVATIONS at 1 hr. G.M.T. 19th September																	OBSERVATIONS at 7 hr. G.M.T. 19th September.																	PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point. °F.	Visiblity.	Cloud.					Barom. at M.S.L. mb.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point. °F.	Visiblity.	Cloud.					Sea.	TEMPERATURE.			RAINFALL.		SUN-SHINE Hrs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					Dir.	Force.						Form.	Amount.	Height of Base (feet).	Dir.	Force.			Form.	Amount.						Height of Base (feet).	Dir.	Force.	Form.	Amount.		Height of Base (feet).	0-9	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.		Day 7h-18h mm.	Night 18h-7h mm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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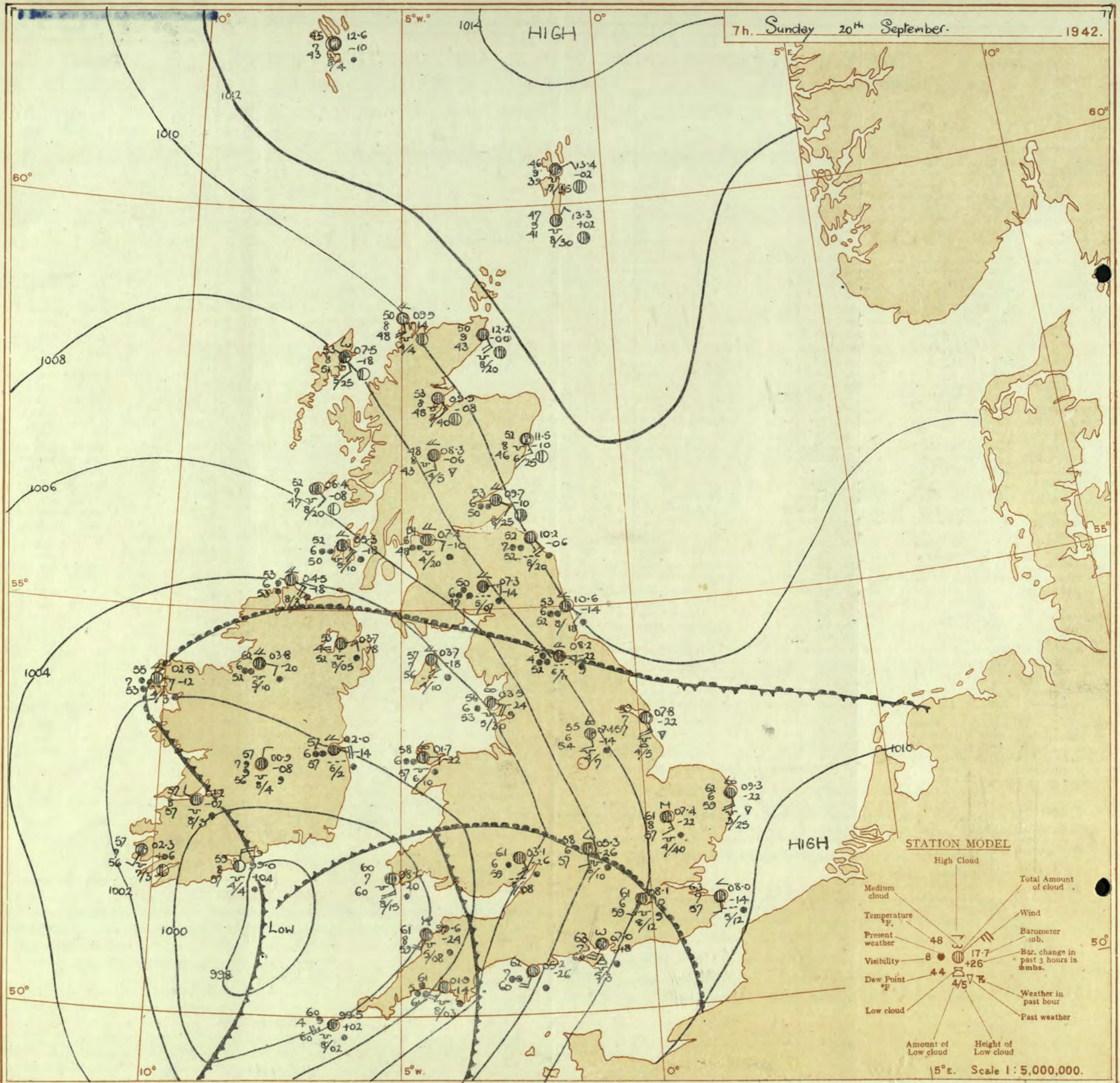
Page 1

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

Sunday 20th September 1942

No. 29322

OBSERVATIONS at 13h. G.M.T. 19th September															OBSERVATIONS at 18h. G.M.T. 19th September															PAST 24 HOURS.																																																																																																																																																																																																																				
DISTRICT.	STATIONS.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Temp. (6)	Humid. (7)	Dew Point (8)	Vis. (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Temp. (21)	Humid. (22)	Dew Point (23)	Vis. (24)	Cloud.					State of ground. (31)	Sea. (32)	WEATHER.																																																																																																																																																																																																																				
				Dir. (3)	Force. 0-12 (4)					Weather. (5)	Form.	Amount. Low 0-10 (13) Total 0-10 (14)	Height of Base. (feet) (15)	Dir. (18)			Force 0-12 (19)	Weather. (20)					Form.	Amount (26) Low 0-10 (28) Total 0-10 (29)	Height of Base. (feet). (30)	7h.—13h. (39)	13h.—18h. (40)			18h.—19h. (41)	1h.—7h. (42)																																																																																																																																																																																																																			
																																Low.	Med.	High	Low	Med.	High	Low	Med.	High	Low	Med.	High	Low	Med.	High																																																																																																																																																																																																				
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	14.5 15.7 14.6 14.7 15.5 15.8 15.4	-12 -12 -14 -14 -8 -10 -6	SW WSW WSW SW SSW W WS	1 2 3 3 4 2 3	c c bc c-bc c-bc c c	67 68 67 67 66 66 66	65 65 65 65 75 65 55	54 53 53 54 58 51 50	8 7 8 8 8 8 8	2 5 2 2 2 1 3	3 8 7 6 3 4 3	1 2 4 5 1 2 1	7-8 4-6 4-6 4-6 7-8 7-8 9	2500 2500 3000 2500 4000 4000 3000	13.5 14.9 13.4 13.8 14.0 15.1 14.6	-2 0 -2 -2 -10 -10 -2	SW SSW SSW SSW SSW SSW SW	2 2 2 2 2 2 1	c c c c c c-bc c-bc	64 64 63 61 62 60 62	75 75 75 85 85 85 75	56 56 56 57 58 54 56	8 7 7 8 8 8 8	- - 5 1 1 - - 3	9 6 1 7 7 6 6	3 1 1 8 Tr 9 0	0 10 2500 3000 2500 - - 7-8	- 0 0 0 0 0 0	*	*	*	*	clw c cbc cwc bec bv bcv	c cbcc cbcc cbcc cbcc cbcc cbcc	c c c c c c c	bcw cbcc cbcc cbcc cbcc cbcc cbcc	c c c c c c c	bcw cbcc cbcc cbcc cbcc cbcc cbcc	c c c c c c c	cir c c c c c c																																																																																																																																																																																																									
2	Shoeburyness Felixstowe Gorleston Mildenhall Cranwell	15.6 14.6 14.9 14.3 13.8	-4 +8 +6 -2 +2	WSW WSW NW NW WS	3 3 3 3 3	c-bc c-bc c c c/d	70 69 62 66 60	55 65 78 75 75	52 53 57 56 51	8 8 7 8 6	5 7 - 2 5	3 3 - 3 7	1 1 - 1 -	4-6 7-8 10 2-3 2-3	4000 4000 2000 2500 3500	15.0 14.1 14.8 13.9 13.1	-2 +2 +2 -2 -2	SSW SE SE SE SE	2 3 2 2 0	c c c-bc c Z	64 66 59 63 60	85 75 75 54 85	53 58 51 51 54	8 7 5 5 6	5 7 5 7 5	7 1 2 3 2	4-6 9 9 9 9+	4000 4000 2500 3500 4500	0 0 0 0 0	*	*	*	*	bey bec bec c c	bey bec bec c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c c c	c c c



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



OBSERVATIONS at 1 hr. G.M.T. 20th September																	OBSERVATIONS at 7 hr. G.M.T. 20th September																	PAST 24 HOURS.									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					Barom. at M.S.L.	Change in 3 hours.	Wind.		Weather.	Temp. °F.	Humid. %	Dew Point °F.	Visibility.	Cloud.					State of Ground.	Sea.	TEMPERATURE.		RAINFALL.		SUNSHINE.						
					Dir.	Force.						Form.	Amount.	Height of Base (feet).	Dir.	Force.			Form.	Amount.						Height of Base (feet).	Max. Day 7h-18h °F.	Min. Night 18h-7h °F.	Min. on Grass °F.	Day 7h-18h mm.			Night 18h-7h mm.	19th Hrs.									
																																			Low.	Med.		High.	Low 0-10.	Total 0-10.	Low 0-10.	Total 0-10.	Low 0-10.
1	London (Kew) ...	18	*	*	*	*	*	59	75	53	7	*	*	*	*	08.9	-14	SE	2	ir	61	82	58	7	5	4	-	7-8	9	1500	0	*	69	58	53	-	Tr	3.6					
	Croydon ...	290	11.4	-22	SSE	3	*	62	75	53	7	5	7	-	4-6	9+	5000	08.1	-10	S	3	id	61	97	59	6	5	-	10	10	1200	0	*	72	59	58	-	0.1	4.5				
	S. Farnborough ...	226	10.4	-18	SE	2	*	58	85	54	7	5	7	-	2-3	9+	7200	06.2	-14	S	3	c	61	97	59	7	5	-	3+	9+	1200	1	*	71	58	53	-	0.2	3.3				
	Boscombe Down ...	417	10.4	-16	SE	3	ir	53	97	58	8	5	-	10	10	2000	06.1	-16	S	4	ir	61	92	60	6	6	7	-	9	10	200	1	*	79	56	53	-	3	4.4				
	Thorney Island ...	10	10.3	-16	SE	3	20	63	85	59	6	5	3	-	2-3	4-6	2500	07.0	-18	S	4	c	63	92	60	7	8	3	-	7-8	9	800	1	*	69	59	57	-	0.5	*			
	Lymington ...	283	12.6	-18	ESE	3	10	61	85	56	8	5	7	-	2-3	9+	3000	09.0	-12	SE	3	c	62	85	57	8	5	7	-	1	9+	6000	0.4	*	69	58	46	-	Tr	4.6			
	Manston ...	154	12.7	-14	SE	2	bc	61	86	57	7	-	3	-	0	4-6	-	08.0	-14	SE	1	c	63	75	57	7	6	1	-	7-8	9+	1200	0	*	69	56	48	-	Tr	5.8			
2	Shoeburyness ...	11	*	*	*	*	*	62	92	60	6	5	3	-	2-3	7-8	4000	08.7	-16	ESE	4	c	63	85	58	8	6	7	-	2-3	9+	4000	1	*	72	60	58	-	Tr	8.0			
	Felixstowe ...	12	12.7	-10	ESE	3	20	61	92	58	6	5	-	10	10	800	09.3	-22	ESE	4	7pr	62	82	59	6	5	7	-	7-8	9+	4000	0	2	72	60	58	-	Tr	8.0				
	Gorleston ...	5	13.7	-8	SE	2	20	61	92	58	6	5	-	10	10	2500	09.3	-22	SE	3	c/r	61	85	57	8	5	8	-	4-6	9+	4000	1	4	68	58	53	-	Tr	0.8				
	Mildenhall ...	15	12.3	-8	SE	3	c	58	85	55	7	5	7	-	2-3	9+	4000	07.4	-22	SE	3	c/r	61	85	57	8	5	8	-	4-6	9+	4000	1	*	71	57	53	-	Tr	2.6			
	Cranwell ...	203	11.5	-4	E	2	20	58	92	53	5	5	7	-	7-8	10	3200	07.4	-14	ESE	2	20	55	92	54	6	5	7	-	4-6	9	6000	1	*	62	54	52	Tr	1	1.0			
3	Birmingham ...	535	*	*	*	*	*	57	92	55	7	5	7	-	4-6	9	4000	04.7	-4	SE	2	ir	56	97	55	6	6	-	10	10	800	1	*	66	55	51	-	2	4.0				
	Upper Heyford ...	408	11.5	-6	E	1	c	57	92	55	7	5	7	-	4-6	9	4000	05.3	-26	SSE	2	c	58	97	57	6	5	4	9	9+	1000	1	*	68	56	54	-	2	4.0				
4	Ross-on-Wye ...	223	*	*	*	*	*	57	92	55	7	5	7	-	4-6	9	4000	03.1	-26	SE	3	ir	61	97	59	6	6	-	10	10	800	1	*	69	58	56	-	2	3.5				
5	Hartland Point ...	299	05.1	-24	SSE	4	c-bc	61	92	53	8	2	7	-	2-3	7-8	2500	09.6	-24	S	4	c/r	61	97	59	8	5	6	-	7-8	9	800	1	3	66	60	58	-	2	4.0			
	Bristol ...	209	09.3	-20	E	3	c/r	58	97	57	6	6	7	-	4-6	10	1500	04.0	-22	SE	3	dolo	61	97	59	6	6	2	-	9+	10	450	1	*	72	58	55	-	3	5.4			
	Portland Bill ...	32	05.2	-20	E	3	ir	60	92	58	7	5	-	10	10	2500	05.2	-26	S	4	rr	62	92	60	7	5	-	10	10	2500	1	4	64	58	*	-	7	*					
	Plymouth ...	82	06.8	-20	SE	3	20	61	97	61	6	5	-	10	10	800	01.9	-14	SSW	5	rr	61	97	61	5	5	-	10	10	300	1	3	66	60	59	-	6	3.3					
	The Lizard ...	240	05.1	-20	S	5	10	60	97	60	6	5	-	10	10	1000	01.0	-8	WSW	6	olr	60	97	60	8	5	-	10	10	800	1	5	64	60	*	0.6	5	0.7					
	Scilly (St. Mary's) ...	163	02.0	-28	SW	5	bc	61	97	61	7	5	7	-	2-3	4-6	800	09.5	+2	SW	5	id	60	97	60	4	5	-	10	10	200	1	5	68	59	*	Tr	7	3.3				
	Guernsey ...	175	*	*	*	*	*	61	97	61	7	5	7	-	2-3	4-6	800	09.5	+2	SW	5	id	60	97	60	4	5	-	10	10	200	1	5	68	59	*	Tr	7	3.3				
6	Pembroke ...	142	04.6	-26	SE	5	m	60	97	60	7	6	-	10	10	1500	08.6	-20	SE	4	olr	60	97	60	7	5	-	10	10	1500	1	3	64	56	*	Tr	15	3.0					
7	Holyhead (Valley) ...	32	07.0	-22	E	1	c	57	92	55	6	5	-	10	10	3700	01.7	-22	E	1	rr	58	92	57	6	5	7	-	9	10	1000	1	1	89	51	52	0.1	5	*				
	Chester (Sealand) ...	16	08.7	-6	SE	2	id	57	92	55	4	5	-	10	10	5700	03.9	-26	SSE	2	20	57	95	58	6	5	2	-	7-8	9	5000	1	*	61	56	50	Tr	1	0.4				
8	Manchester ...	235	09.9	-12	E	3	ir	57	85	53	5	5	-	10	10	3100	05.1	-20	E	3	20	55	92	54	6	5	7	-	7-8	9	2500	1	*	60	55	49	0.2	1	*				
10	Spurn Head ...	29	12.9	-6	ESE	4	r	57	85	52	7	8	2	-	4-6	10	1500	07.8	-22	SEE	5	c/pr	59	97	57	7	7	2	-	4-6	9+	2500	1	5	59	56	*	Tr	0.6	0.4			
	Catterick ...	175	12.7	-8	-	0	c	53	85	49	8	-	2	-	7-8	10	2300	08.2	-22	E	1	rr	52	97	52	4	6	2	-	9	10	1100	1	*	64	51	50	-	2	5.3			
	Tynemouth ...	108	13.1	-6	SE	3	c	54	85	50	7	5	-	3+	9+	2500	10.6	-14	ESE	3	60	53	97	52	6	-	2	-	10	10	1800	1	3	62	53	*	-	0.4	*				
11	St. Abbs Head ...	280	12.5	0	NNE	2	bc	50	85	47	7	5	4	-	4-6	4-6	2500	10.2	-6	ESE	4	10	52	97	52	7	6	-	10	10	2000	1	3	59	49	*	-	0.5	*				
	Leuchars ...	36	12.3	-6	ESE	1	c	55	85	49	8	5	-	10	10	3000	09.7	-10	E	2	10	58	92	50	6	-	2	-	10	10	2500	1	*	61	50	45	-	-	5.9				
12	Renfrew (Abbots L.) ...	19	10.7	-10	-	0	m	45	97	44	4	-	-	0	0	-	07.4	-10	E	3	10	51	85	48	6	5	2	-	4-6	10	2000	1	*	65	44	41	-	1	5.8				
	Eskdalemuir ...	794	*	*	*	*	*	50	92	47	6	2	-	7-8	10	1500	03.7	-14	E	3	rr	50	92	47	6	2	-	7-8	10	700	1	*	60	43	*	-	3	4.5					
	Point of Ayre ...	30	08.6	-20	ESE	4	rr	56	85	52	8	6	2	-	7-8	10	1500	03.7	-14	E	3	c/r	57	97	56	7	6	2															

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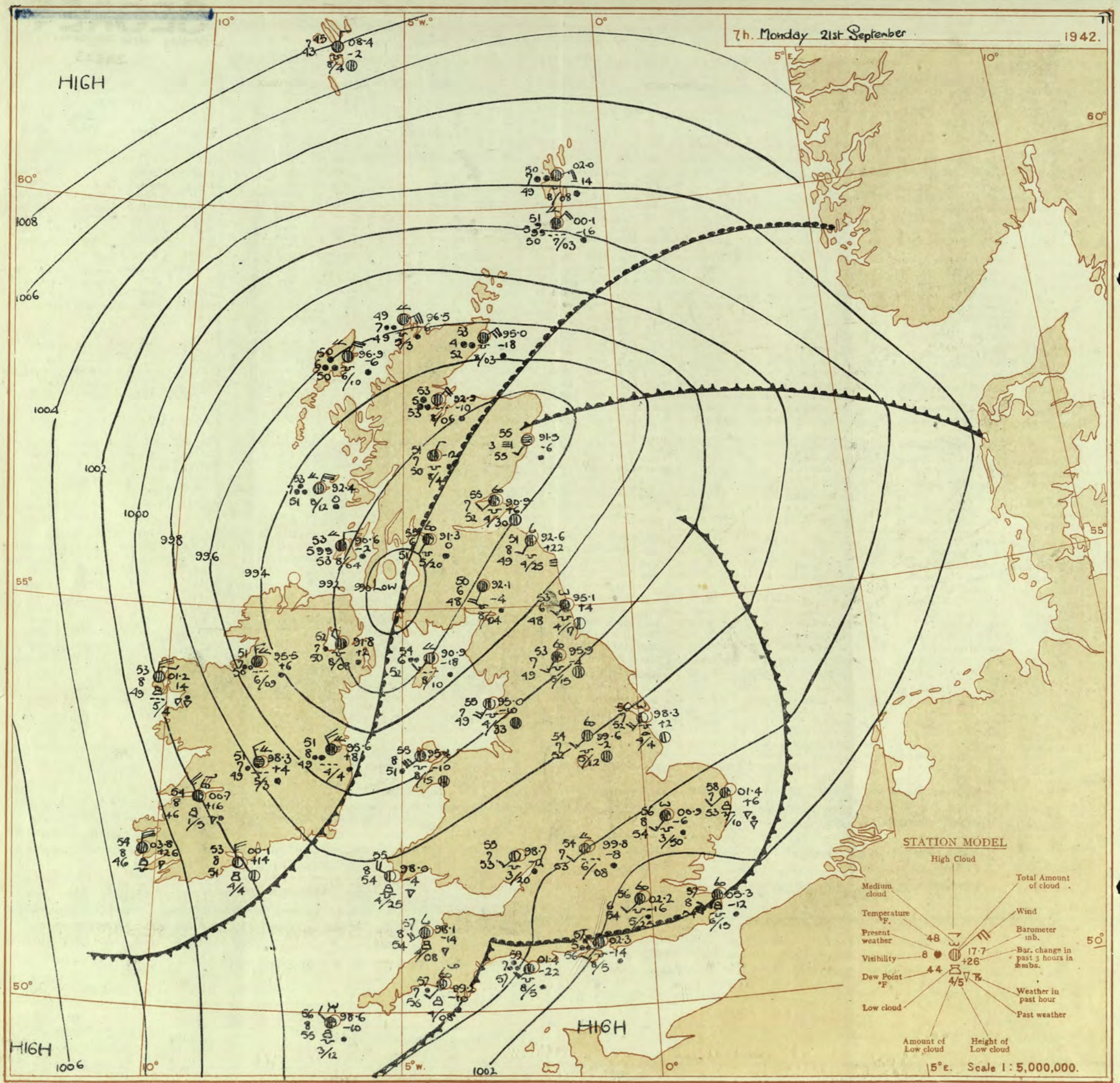
BRITISH SECTION

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

OBSERVATIONS at 13h. G.M.T. 20th September															OBSERVATIONS at 18h. G.M.T. 20th September															PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. M.S.L. -mt. (16)	Change in 3 hours. (17)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.					State of ground. 0-6 (31)	Sea. 0-9 (32)	WEATHER.					
				Direc. (3)	Force. 0-12 (4)						Form. (10)	Med. (11)	High (12)	Low 0-10 (13)	Total 0-10 (14)			Height Base (feet) (15)	Direc. (18)						Force 0-12 (19)	Form. (25)	Med. (26)	High (27)	Low 0-10 (28)			Total 0-10 (29)	Height Base (feet) (30)	7h.—13h. 20th (39)	13h.—18h. 20th (40)	18h.—20th 21st (41)	1h.—7h. 21st (42)
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	03.0 02.9 03.1 02.5 04.9 07.5 06.8	-2.0 -2.4 -1.4 -1.4 -1.6 -1.6 -1.0	SSW SW SW/S SW SW/S SSW SSW	4 3 4 5 5 5 4	c/pr id bc/pr id c/pr bc/pr c-bc	66 64 63 62 64 65 64	85 82 82 87 85 85 82	60 61 61 61 61 62 62	8 7 8 6 8 8 8	9 9 7 7 8 7 3	3 2 4 - - - 6	7-8 9 7-8 7-8 10 7-8 7-8	9+ 9+ 9+ 300 1500 1500 500	02.1 03.3 03.4 03.4 04.9 05.0 04.0	+6 +2 +8 +10 +6 -6 -16	SSW SSW WSW SW SW/W WSW SW	4 5 5 5 6 5 4	C C C C C C/pr C	63 63 63 62 63 61 62	85 82 85 85 85 82 85	58 60 58 58 58 58 59	7 8 8 7 8 6 7	8 7 8 6 8 6 5	- - - 3 - - 3	9+ 9+ 9+ 9+ 10 10 9	1500 2000 1600 800 1500 600 1100	1 1 1 1 1 1 1	* * * * * 5 *	cir/prc cm/d errRRRprc c/cidat id/cprc cm/rrr cm/v	cp/c cidc c/cidc c/cidc c/cprc cm/pr cpr/c	cir c/cir c/cir c/cir c/cir c/cir c/cir	vol/voc c/cir/vib/m c/cir/vib/m c/cir/vib/m c/cir/vib/m c/cir/vib/m c/cir/vib/m c/cir/vib/m				
2	Shoeburyness... Felixstowe ... Gorleston ... Mildenhall ... Cranwell ...	06.8 05.7 05.3 03.5 01.7	-1.4 -2.0 -2.6 -3.0 -2.8	SSW SE/S SW SE/S SSE	5 5 5 4 4	C ir c/pr c/pr dd	66 64 62 65 62	85 82 82 83 82	53 60 60 63 60	8 6 7 7 5	6 7 8 8 2	- - - - -	7-8 10 10 7-8 9	1500 1500 800 1700 600	04.1 02.2 01.5 00.2 07.8	-6 -2.0 -8 -10 +15	SSW S SW/S SSW SW	5 3 5 5 3	C C pr id ir	69 64 64 63 62	85 82 85 85 82	55 60 62 59 60	7 7 8 8 8	5 7 9 5 7	- - - 2 -	9+ 9+ 9+ 9+ 9+	3000 1500 800 2500 1000	1 1 1 1 1	* 3 5 * *	cir/bc cm/cim cp/c crr/c cd/d	cir cidc cp/c cpr/cidc c/cir	c cm/bc cpr/c c/cir c/cir	cir c/cir c/cir c/cir c/cir				
3	Birmingham ... Upper Heyford	09.3 00.9	-2.6 -2.2	SSW SSW	3 4	c/t c/t	63 63	85 85	59 58	6 8	6 5	- 3	10 7-8	1500 900	08.8 00.3	+4 +16	WSW WSW	3 5	C C	61 60	85 85	55 57	8 8	6 5	- -	10 9+	10 1200	1 1	*	o/c c	cir c	cir c	cp/c c/cir				
4	Ross-on-Wye	08.9	-2.0	S	4	id	63	82	61	6	6	-	10	10	1500	00.1	+10	SW	4	C	62	85	57	8	8	-	9	9+	2500	1	*	id c	idc	cir c	cp/c c/cir		
5	Hartland Point Bristol Portland Bill ... Plymouth The Lizard ... Seilly (St. Mary's) Guernsey ...	01.2 01.0 04.1 03.2 04.7 04.5	+3.2 -1.0 -6 +1.4 +2.8 +2.0	SW S SW WS WNW WSW	5 4 5 6 6 5	ir/v ir/v o C C C	60 64 62 62 62 61	87 85 82 82 85 75	60 61 60 60 59 59	7 6 7 7 7 8	5 6 5 8 8 7	2 2 - - 6 2	9 9 10 7-8 7-8 7-8	1000 800 2500 600 1500 1200	02.0 02.5 05.1 05.9 06.1 05.6	+4 +8 +4 +4 +2 +6	W WSW SW SW W W/S	5 4 5 5 6 6	C/t +t o C-bc C C	60 61 61 61 60 59	82 85 83 85 86 85	58 57 57 57 56 54	7 6 6 7 8 7	8 5 5 7 8 6	- - - 2 5 -	9+ 10 10 7-8 7-8 7-8	1000 800 2500 1500 1500 1000	1 1 1 0 1 1	3 * * 4 5 5	cir/c mem/dd or/c nd/d nd/d cidc	ir/cir m/rpr co cd/c cd/c cp/c	irc crr/c or crr/c crr/c crr/c	cp cm/cir/vib or crr/cir/vib r/vib crr/c				
6	Pembroke	08.9	+2	WSW	6	Cq	60	87	59	7	5	-	10	10	2000	00.2	+2	SW/W	7	Cq	60	85	56	8	8	4	-	9	9+	2000	1	8	fid/cq	bq	cp/r/r	pr/bc	
7	Holyhead (Valley) Chester (Sealand)	07.7 08.4	-6 -3.6	- E	0 3	d/d /t	63 64	82 85	59 62	6 6	2 2	- -	7-8 9	10 1500	06.8 06.3	-2 0	SW/S SW/S	4 2	Zo C/t	58 64	87 87	58 57	5 7	5 9	- 4	10 4	10 1000	1 1	2 *	crr/m cm/d	d/d/m cm/d	pr/bc c/pr	bc c/c				
8	Manchester	09.6	-3.4	ESE	3	/t	61	82	59	6	5	7	-	7-8	9+	2500	08.9	-12	SW	4	pr	63	85	61	6	2	-	10	10	1500	1	*	cir/m crr/rpr	pr/m	cm/c		
10	Spurn Head ... Catterick ... Tynemouth ...	03.3 01.7 03.8	-2.2 -3.6 -3.6	SE/S SE ESE	4 2 6	/t /t c/t	61 60 55	85 87 87	58 59 54	7 4 6	8 6 -	2 2 -	7-8 9+ 10	1500 800 1800	07.7 08.5 07.1	-16 -20 -30	SSE SE SE	3 2 5	ir C ir	60 61 55	87 87 87	60 60 55	7 8 5	9 5 -	- 2 -	7-8 2-3 10	1500 800 1800	1 1 1	4 * 3	cp/r crr/m	cir crr/m	bc crr/m	C bc/m				
11	St. Abbs Head Leuchars	04.6 05.4	-3.2 -3.0	ESE E	4 3	/t /t	51 51	87 87	51 51	5 0	6 6	2 -	7-8 10	1500 600	07.8 08.1	-20 -40	ESE E	4 4	ir d/d	54 54	87 87	54 54	5 6	5 2	- -	10 9	10 1400	1 1	*	crr cm/r	omr crr	ord/c pr/m					
12	Renfrew (Abbots I.) Eskdalemuir ... Point of Ayre...	03.1 01.9 06.7	-2.6 -2.6 -2.0	ENE ENE SE/S	4 4 4	/t /t C	52 52 59	82 82 82	50 50 57	6 6 7	5 6 2	- - -	7-8 10 7-8	1200 600 1000	07.5 05.7 04.8	-30 -26 -18	ENE ENE SW	3 3 2	ir ir Zo	54 54 60	82 87 87	52 54 59	6 6 5	2 2 -	9 10 9	1400 300 1800	1 1 1	*	crr tr/r	ir/c	pr/m	pr/m					
13A	Tiree ...	02.2	-2.4	ENE	4	/t	53	82	51	7	-	2	-	10	10	1800	08.2	-14	NE/E	4	/t	53	87	51	7	-	10	10	1200	1	5	pr/c	pr/c	pr/c			
13B	Stornoway	05.2	-1.4	E	3	pr	54	85	51	8	5	2	-	7-8	10	2000	01.8	-14	E	5	C	52	82	50	8	5	7	-	7-8	10	2500	1	3	pr/c	crr	crr	
15	Dalwhinnie ... Aberdeen ... Wick	06.1 07.8 09.9	-1.4 -2.2 -1.8	SE E/S SE	2 4 4	ir/v /t C	58 62 51	85 82 78	45 50 44	7 6 8	6 5 7	- 2 -	9 7-8 7-8	1500 1500 3000	09.8 01.8 06.0	-34 -34 -28	ESE ENE SE	3 4 3	ir /t /t	54 52 48	85 87 88	46 51 45	7 4 6	5 2 2	- - -	10 7-8 7-8	1500 900 1000	1 1 1	*	ir/c crr/r	pr/c	pr/c	pr/c				
16	Sumburgh	11.6	-1.0	E/S	4	C	50	65	39	9	5	-	6	9+	10	3000	08.2	-22	E	3	C	49	76	40	9	5	-	10	10	2500	0	2	cu	C	c-cir/vib		
17	Blacksd Point	09.5	-1.8	-	0	ir	56	87	55	7	6	2	-	2-3	10	800	07.8	-6	NNW	2	RR	55	87	54	6	6	2	-	7-8	10	800	2	2	+	+	pr	
18	Malin Head ... Aldergrove ...	09.8 09.4	-2.8 -1.8	E/S E/N	4 3	/t /t	55 55	87 87	54 54	6 4	- -	2 -	10 10	800 500	08.8 09.1	-22 -22	E/N E/N	4 4	/t /t	54 55	87 87	53 53	6 5	5 -	- -	10 10	450 500	1 1	*	crr/m	cm/crr/m	crr/m	crr/m				
19	Birr Castle ...	09.3	7.0	NNW	1	C	59	82	57	6	6	-	-	9+	10	1300	08.6	-2	NW	2	/t	55	87	54	7	6	2	-	7-8	10	1500	1	4	d	+	pr	
20	Valentia Obey. Roche Point	02.7 00.7	+6 0	NNW W	4 4	/t c/pr	63 63	85 85	59 59	8 8	- -	- -	9+ 9	10 1500	02.1 01.2	-6 +6	W/S W/N	4 4	c/p bc	50 59	85 75	52 51	8 8	8 3	- -	9 7-8	9+ 1500	1 1	4 4	pr	pr	pr	pr				

7h. Monday 21st September

1942.



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

Explanation of Frontal Lines shown on Charts

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PAST 24 HOURS.

[illegible]

SECRET

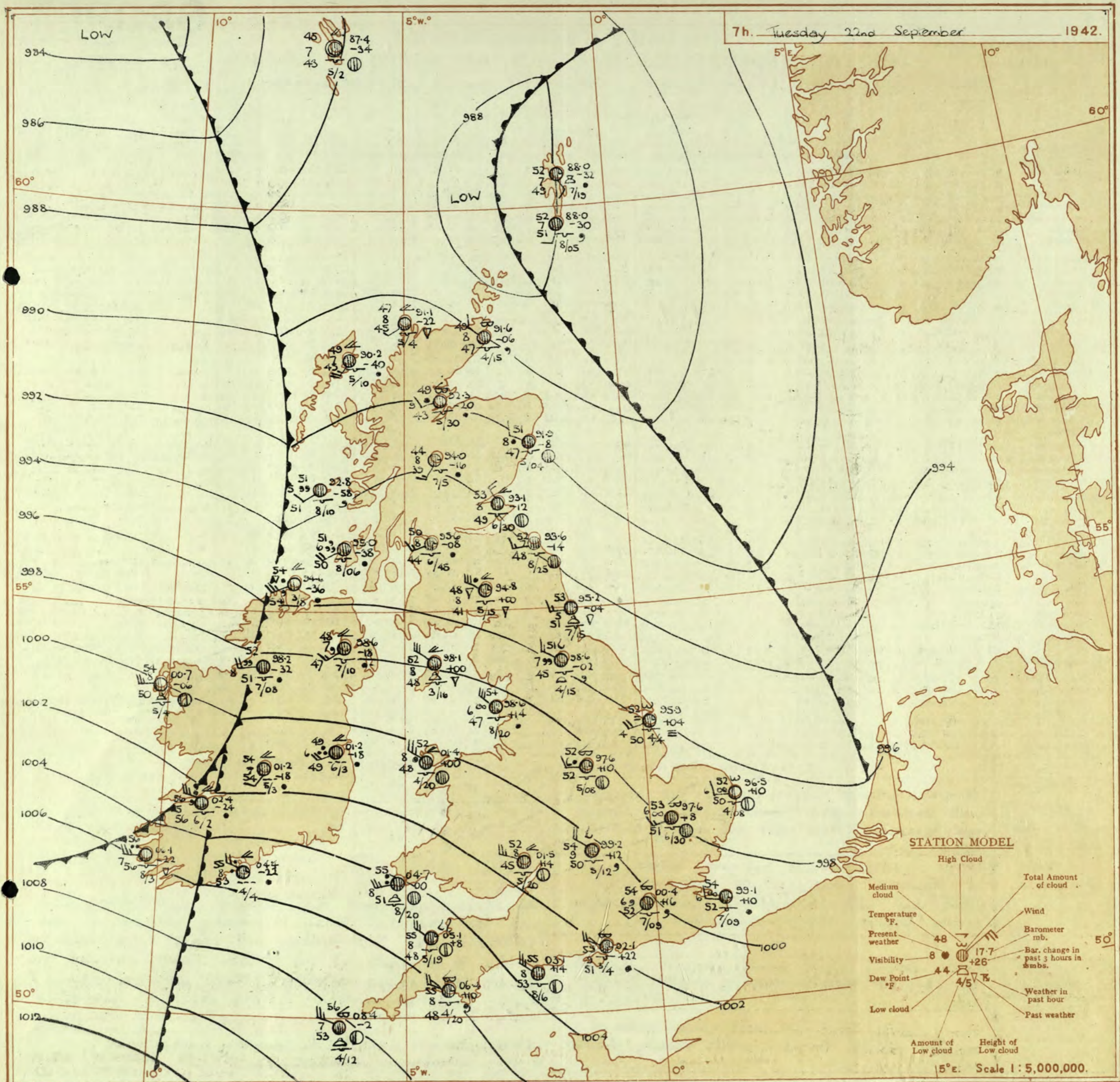
Page 1

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

Tuesday, 22nd September 1942

No. 23524

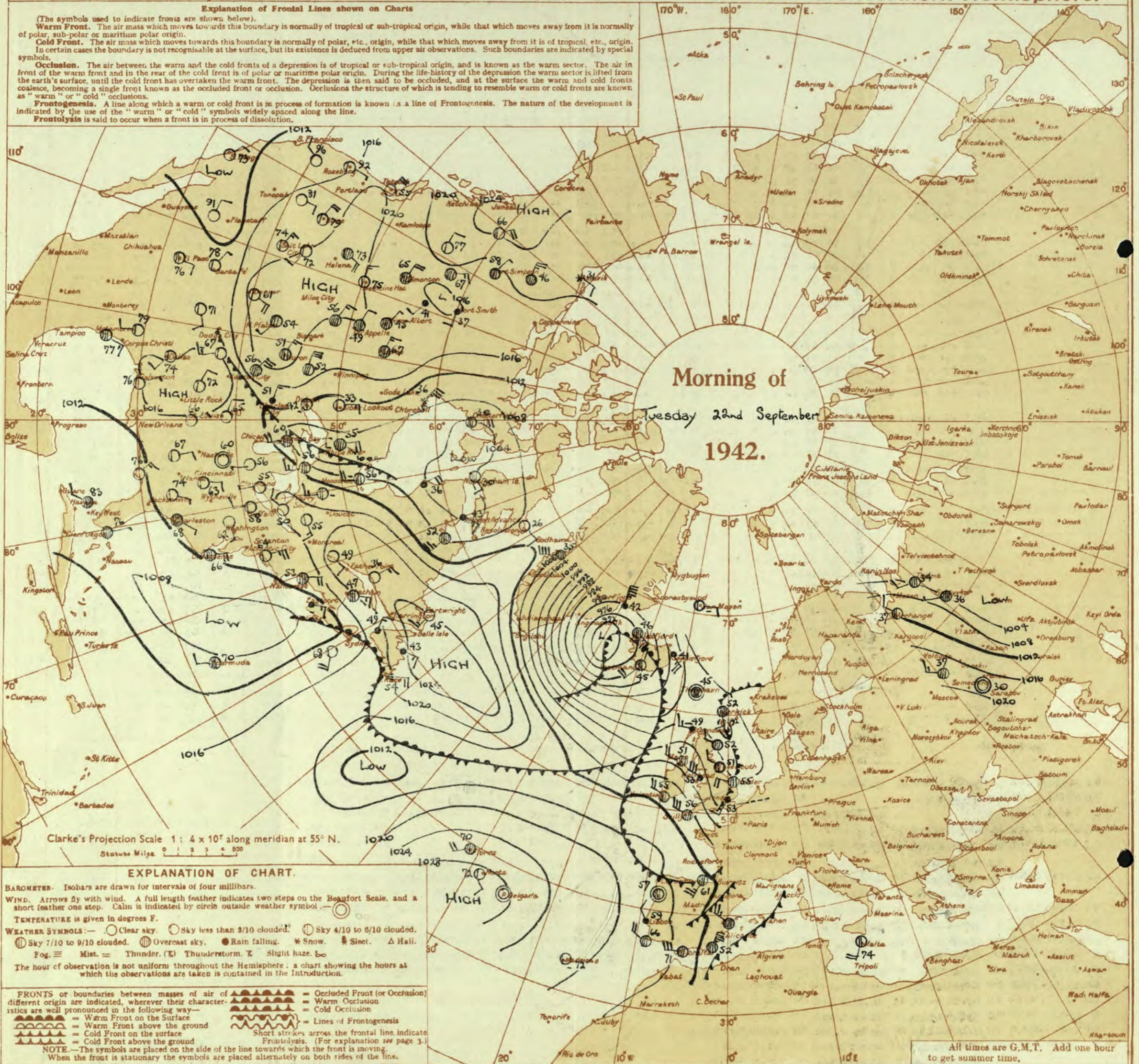
OBSERVATIONS at 13h. G.M.T. 21st September															OBSERVATIONS at 18h. G.M.T. 21st September															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. at M.S.L. mb. (16)	Change in 3 hours. (17)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.					State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				Dir. (3)	Force. 0-12 (4)						Form. (10)	Amount. (11)	Height of Base (feet) (15)	Dir. (18)	Force 0-12 (19)			Form. (25)	Amount. (26)						Height of Base (feet) (30)	7h.—13h. 21st (39)	13h.—18h. 21st (40)	18h.—21st 21st (41)	1h.—7h. 22nd (42)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	96.8 99.0 97.1 97.3 98.4 97.6 98.6	-20 -20 -18 -18 -18 -24 -28	SE SSW S S SW SE S	2 3 3 2 3 3 2	dd ir ir ir ir C ro	61 61 59 60 60 61 61	85 92 85 85 92 75 83	57 58 55 56 56 55 57	6 6 8 8 8 8 8	5 7 7 7 7 2 7	- - - 8 - - -	9 9 7-8 7-8 9 7-8 4-6	9+ 10 10 9 10 10 10	1500 2000 1800 1600 1500 2800 1800	95.6 96.3 95.6 97.1 97.2 96.1 95.7	-0 -2 0 +6 -2 -4 -6	SWS SSW N WNW WNW SW SW	2 2 3 3 3 1 1	ro ir ro bc pr pr pr	58 57 56 54 57 58 59	97 97 85 83 92 92 85	56 56 52 51 54 58 53	6 6 7 8 8 8 8	9 9 7 5 5 6 9	- - - - - 6 -	- - - - - - -	23 10 9+ 4-6 9+ 2-3 9	1500 1000 2000 2500 1500 2500 2100	1 1 1 1 1 1 1	3 3 3 3 3 3 3	cr,rdm. r c,dr,c cpr,c c,rcir cr,PR pr c,ro,pr	R,gr,ro c,ir,ro c,ro,ir pr c,ro,pr c,ro,pr	c,rc c,rc bc,cr c,pr c,pr c,pr	c,ro,c c,ro,c c,ro,c c,ro,c c,ro,c c,ro,c c,ro,c	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	



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

Tuesday 22nd September 1942
No. 29524

No. 29524

[illegible]

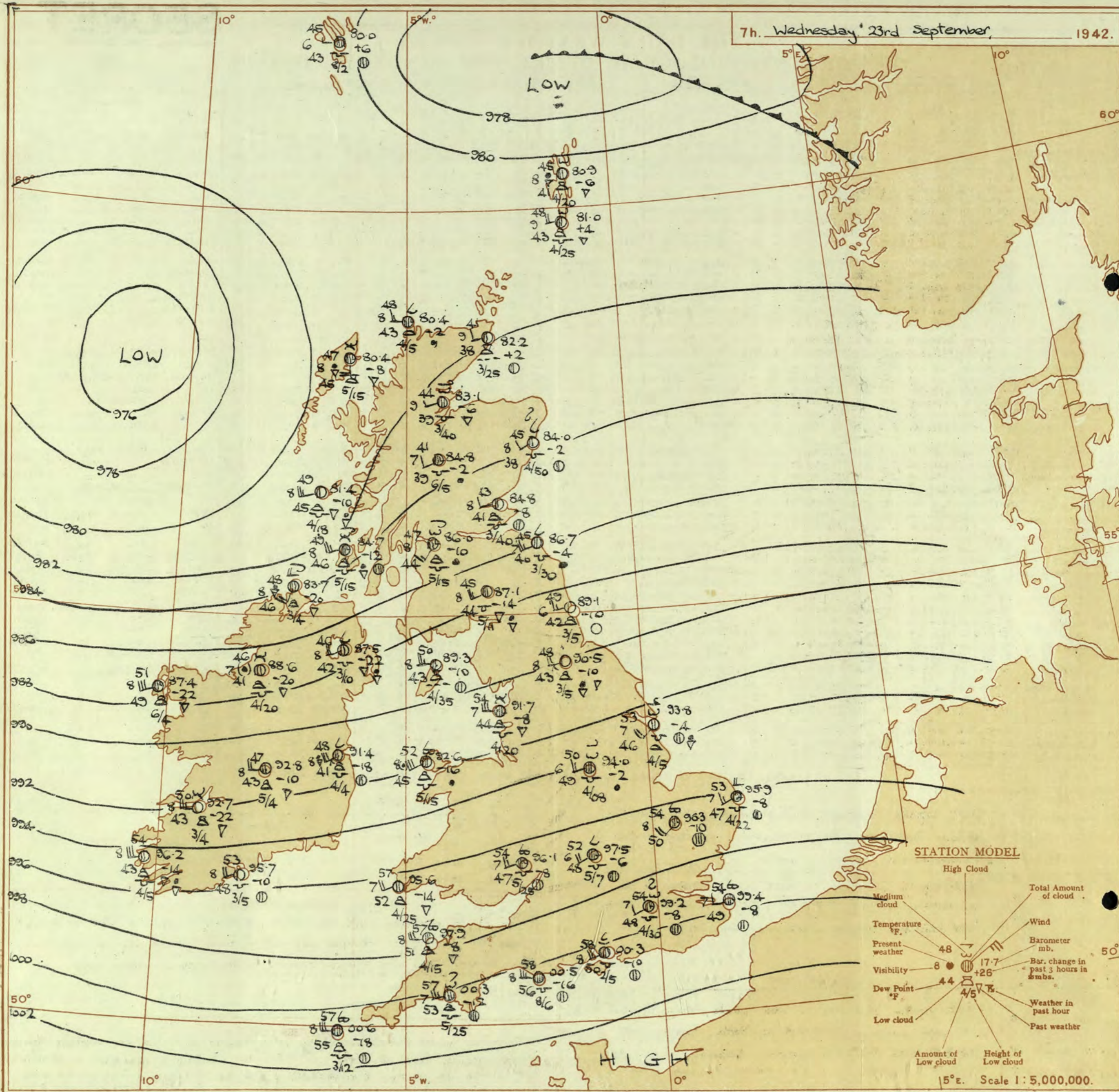
THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

SECRET
Wednesday 23rd September 1942
No. 29525

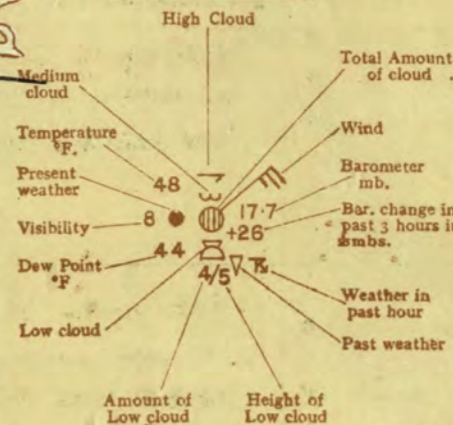
OBSERVATIONS at 13h. G.M.T. 22nd September															OBSERVATIONS at 18h. G.M.T. 22nd September															PAST 24 HOURS.							
DISTRICT.	STATIONS.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. miles (9)	Cloud.				Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. miles (24)	Cloud.				State of ground. (31)	Sea. (32)	WEATHER.							
				Dir.	Force.						Form.	Amount.	Height of Base (feet) (15)	Dir.			Force.	Form.						Amount.	Height of Base (feet) (30)	7h.—13h. 22nd (39)	13h.—18h. 22nd (40)			18h.—to 1h. 23rd (41)	1h.—7h. 23rd (42)						
																																Low.	Med.	High	Low.	Med.	High
1	London (Kew)	01.8	0	WSW	3	c	58	65	48	7	7	9	-	7.8	9+	4000	00.7	-6	WSW	3	z	58	65	53	6	5	3	-	4.6	7.8	1500	1	*	croc	cifocmo	cbcbw	hbcaw
	Croydon	02.8	+2	W	4	c	57	75	49	7	5	7	-	7.8	9+	1800	01.7	-6	WSW	4	c	58	85	53	6	5	3	-	7.8	9+	1800	1	*	cif c	ccidoc	cbcc	ccm.c
	S. Farnborough	02.4	-2	WSW	4	c	56	75	47	5	5	7	-	4.6	9+	2500	01.1	-8	SWW	4	c	57	75	53	8	5	7	-	9	9+	1400	1	*	cifoc	cdofoc	bbee	cbcc
	Boscombe Down	03.3	-6	SWW	4	c	56	75	50	8	6	7	-	7.8	10	1600	01.9	-10	WS	4	c	57	75	53	8	8	7	+	1	9+	2500	1	*	cifoc	cifoc	cbcc	bcc
	Thorpe Island	03.9	+6	WSW	4	c	56	85	51	9	5	7	-	Tr	9+	2500	03.0	-4	SWW	4	c	60	85	53	8	5	3	-	7.8	9+	1500	0	*	cifoc	ccifoc	cm.cbe	bcc
	Lympe	02.1	+10	WN	4	c	58	75	49	8	5	7	-	4.6	10	2500	02.1	-4	WS	4	c	57	85	53	8	5	7	-	7.8	9+	2000	0	3	cmoc	cmoc	cbccw	ebccw
	Manston	01.9	+12	W	3	z	56	75	48	6	5	2	-	2.3	10	700	01.5	-2	SW	2	c	57	75	50	8	5	7	-	9	9+	1200	1	*	cmofoczo	czoc	ebccw	bcc
2	Shoeburyness	01.8	+6	WNW	2	c	57	75	48	7	2	7	-	4.6	9+	2000	01.6	-4	WSW	3	c	58	75	52	8	5	5	-	4.6	9	2500	0	*	cidofc	c	c	cbcc
	Felixstowe	02.9	+8	W	4	c	58	75	49	7	5	7	-	4.6	9+	4000	00.0	-8	SW	4	c	59	75	50	7	5	-	9+	9+	3500	0	3	cifomoc	c	c	cbcc	
	Gorleston	05.3	+14	WNW	4	c	60	85	56	7	5	4	-	4.6	7.8	2500	09.3	0	SW	4	c	57	75	49	8	5	7	-	4.6	9+	2000	0	3	cmoc	bcc	bcc	bcc
	Mildenhall	09.7	+6	SWW	4	c	55	75	47	8	5	7	-	4.6	9+	5000	08.6	-8	SW	3	c	58	85	52	8	5	3	-	4.6	9+	2000	1	*	cifomoc	c	c	c
	Cranwell	08.3	-4	SWW	4																																

7h. Wednesday 23rd September, 1942.

1942.



STATION MODEL



15°E. Scale 1:5,000,000.

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

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SECRET

Page 1

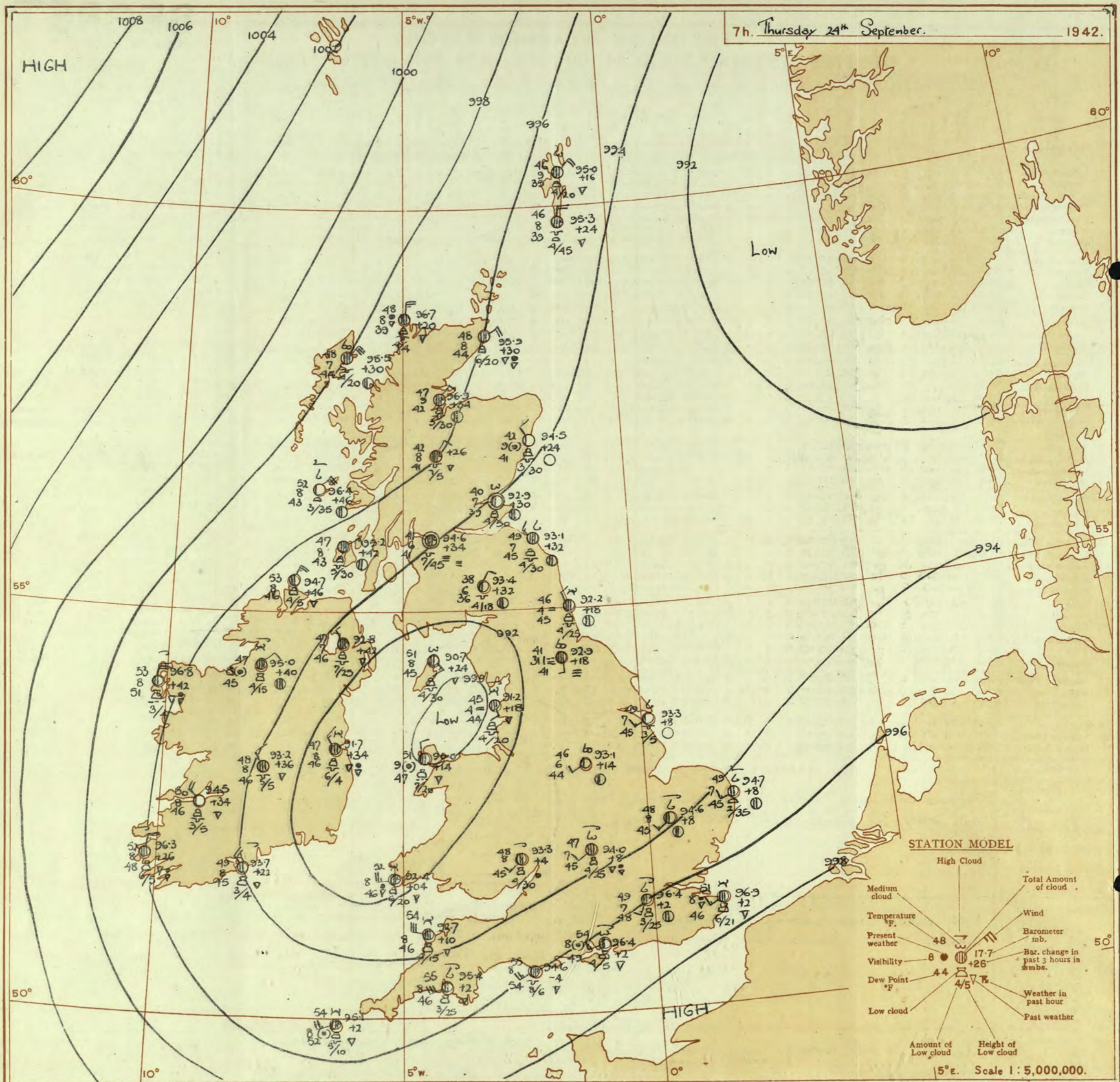
BRITISH SECTION

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

Thursday 24th September 1942

No. 2952 G.

OBSERVATIONS at 13h. G.M.T. 23rd September															OBSERVATIONS at 18h. G.M.T. 23rd September															PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visiblity. 0-9 (9)	Cloud.					Barom. at M.S.L. mt. (16)	Change in 3 hours. (17)	Wind.		Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visiblity. 0-9 (24)	Cloud.					State of Ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.							
				Dir.	Force. 0-12 (4)					Form.	Amount.						Dir.	Force. 0-12 (19)					Form.	Amount.						7h.—13h. 23rd (39)	13h.—18h. 23rd (40)	18h.—23rd 24th (41)	1h.—7h. 24th (42)				
											Low 0-10 (10)	Med. 10-10 (11)	High 10-10 (12)	Total 0-10 (13)										Low 0-10 (25)	Med. 10-10 (26)	High 10-10 (27)	Total 0-10 (28)							Height of Base (feet) (30)			
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	95.1 96.1 95.4 96.8 97.3 96.8 95.9	-2.0 -2.2 -2.2 -1.0 -1.8 -2.2 -2.6	WSW SW WSW WS WSW WSW SW	4 4 5 3 5 4 5	c-bc c c c c c c-bc	62 64 62 53 63 64 63	55 55 55 52 65 55 55	44 43 46 51 50 46 45	8 8 8 8 8 8 8	3 - - 3 3 - 3	- - - 4.6 4.6 7.8 2.3	7.8 9 9 7.8 9 9 7.8	2500 2600 2000 2000 2500 2500 2000	94.4 95.7 94.7 95.3 96.2 95.2 95.2	0 0 12 -2 12 -6 -2	WSW SW WSW SW WSW SW SW	3 2 2 3 5 2 2	b-bc b-bc b-bc b-bc bc b-bc b-bc	55 54 56 53 58 58 54	65 75 75 75 75 75 85	45 47 48 44 49 48 50	8 8 8 8 8 8 8	- 6 - - 4 1 - 4	2.3 2.3 2.3 2.3 4.6 2.3 2.3	2.3 2.3 2.3 2.3 4.6 2.3 2.3	2500 1700 2500 3000 1500 2500 2500	1 1 1 0 0 0 1	* * * * * * *	cbrg cbrg cbrg cbrg cbrg cbrg cbrg	cbrg cbrg cbrg cbrg cbrg cbrg cbrg	bcbw b b bcbw bcbw bcbw bcbw	bcbw bcbw bcbw bcbw bcbw bcbw bcbw				
2	Shoeburyness Felixstowe Gorleston Mildenhall Cranwell	96.5 94.7 93.9 94.8 92.3	-1.6 -2.0 -1.4 -8 -1.4	SSW SW WS WS SW	4 4 5 4 5	c-bc c-bc bc phr b-bc	65 65 61 57 59	55 45 65 65 55	47 43 48 46 41	8 7 7 6 8	- 7 - - - 3	- - - - - -	7.8 4.6 4.6 4.6 2.3	7.8 7.8 4.6 10 2.3	2500 3000 2300 800 2200	95.4 93.5 92.7 92.8 91.6	-6 -8 -4 -10 110	SW SW SW SW WSW	4 4 3 4 4	bc b-bc b-bc b-bc b-bc	56 57 56 56 65	75 65 75 65 55	50 46 47 46 40	8 8 7 8 7	2 2 4 - 2 2 4	4 - - - - - - -	2.3 2.3 1 2.3 2.3 2.3 2.3	4.6 2.3 2.3 2.3 2.3 2.3 2.3	3500 4000 3000 2500 3000	0 0 1 1 0	* * * * * * *	cbrg cbrg cbrg cbrg cbrg cbrg cbrg	cbrg cbrg cbrg cbrg cbrg cbrg cbrg	bcbw bcbw bcbw bcbw bcbw bcbw bcbw	bcbw bcbw bcbw bcbw bcbw bcbw bcbw		
3	Birmingham Upper Heyford Ross-on-Wye	93.0 94.2 93.8	-1.4 -1.4 -1.4	WSW WSW WS	4 4 5	bc bc bc	58 56 59	55 75 45	43 47 40	8 8 8	2 6 2	- - - - - -	4.6 4.6 4.6 4.6 4.6 4.6	4.6 9 9 9 9 9	2500 2000 3000	92.5 93.2 92.6	-2 14 -6	SW SW WSW	4 4 4	b-bc b-bc b	53 53 53	65 75 75	42 43 43	8 8 8	- - - - - -	2.3 2.3 1 2.3 2.3 2.3	2.3 2.3 2.3 2.3 2.3 2.3	2500 2500 3000	1 1 0	* * * * * *	cbrg cbrg cbrg	cbrg cbrg cbrg	bc bc bc	bc bc bc			
5	Hartland Point Bristol Portland Bill Plymouth The Lizard Scilly (St. Mary's) Guernsey	96.2 96.2 97.9 98.3 98.2 98.8	-6 -10 -12 -6 -10 -6	W SSW W W WNW WN	5 5 5 5 6 5	c-bc c-bc c-bc c-bc c-bc c-bc	57 56 60 58 59 59	75 85 92 75 75 97	49 52 58 51 51 58	8 8 8 8 7 8	2 6 5 6 6 6	- - - - - - -	7.8 2.3 4.6 7.8 4.6 4.6	7.8 4.6 9 9 9 7.8	2000 2500 4000 2500 2000 1200	94.3 95.0 96.2 97.3 97.6 97.3	-10 -6 -6 -2 -2 -8	W WSW W W WN WS	7 4 5 5 6 6	c-bc bc c-bc c-bc c-bc bc	56 54 57 56 56 56	75 75 92 85 75 97	49 45 49 50 48 56	8 7 8 8 8 8	3 6 - 3 6 6 6	- - - - - - -	4.6 2.3 4.6 4.6 7.8 4.6 4.6	7.8 4.6 7.8 7.8 7.8 4.6	2000 2500 4000 3000 2000 1200	1 1 1 1 1 1	5 * * * * * *	cbrg cbrg cbrg cbrg cbrg cbrg	cbrg cbrg cbrg cbrg cbrg cbrg	bc bc bc bc bc bc	bc bc bc bc bc bc		
6	Pembroke	93.7	-10	WSW	7	bc	57	75	48	7	8	6	-	4.6	4.6	2500	91.4	-8	WSW	8	c-bc	55	85	51	8	6	-	7.8	7.8	2500	1	5	cbrg	cbrg	bc	bc	
7	Holyhead (Valley)	90.6	-8	SW	6	c-bc	56	65	45	8	2	6	-	7.8	7.8	3500	88.9	-6	SW	4	bc	53	75	44	9	5	6	3	4.6	4.6	2500	1	4	cbrg	cbrg	bc	bc
8	Chester (Sealand)	91.6	-10	WSW	3	c-bc	59	65	48	8	2	6	-	7.8	7.8	3000	90.3	-12	S	2	pr	51	85	45	8	3	6	3	7.8	7.8	2500	1	*	cbrg	cbrg	bc	bc
8	Manchester	90.8	-16	SSW	5	bc	58	55	41	8	2	6	-	4.6	4.6	2500	90.3	14	SW	4	pr	50	85	46	6	9	-	9	9	2500	1	*	cbrg	cbrg	bc	bc	
10	Spurn Head Catterick Tynemouth	91.7 89.1 88.6	-12 -8 -6	WSW WSW W	4 4 4	bc bc bc	58 58 58	65 55 52	46 43 52	7 8 7	2 8 2	- - 3	- - -	4.6 4.6 4.6	4.6 4.6 4.6	2500 3000 2400	90.6 89.1 88.1	-4 12 18	WSW SSW SW	4 3 4	b-bc c-bc c-bc	57 50 51	55 85 85	41 45 46	7 7 7	4 8 8	- 6 -	2.3 7.8 7.8	2.3 3000 2200	0 1 1	3 * 2	prbc prbc bbc	prbc prbc bbc	bc bc bc	bc bc bc		
11	St. Abbs Head Leuchars	86.1 84.0	0 -2	WSW WSW	3 4	c pr	53 53	65 65	40 43	8 8	5 6	4 3	- - - - - -	7.8 4.6 4.6 4.6 4.6 4.6	9 1800	85.8 84.7	0 16	WSW WSW	2 1	c-bc c-bc	49 51	75 75	42 44	8 7	3 6	7 3	- - - - - -	4.6 4.6 4.6 4.6 4.6 4.6	7.8 7.8 7.8 7.8 7.8 7.8	3000 3500	0 1	3 *	bc bc	bc bc	bc bc	bc bc	
12	Renfrew (Abbots L.) Eskdalemuir Point of Ayre	85.0 85.5 87.3	-6 -10 -10	WSW WSW WS	3 5 6	pr bc pr	52 50 54	75 85 75	46 44 46	8 8 8	9 8 9	3 - - - - -	7.8 4.6 9 9 9 9	9 4.6 9 9 9 9	3000 1500 2000	85.3 85.6 86.0	12 12 -6	WSW WSW WS	2 2 4	pr bc bc	48 47 51	92 85 85	46 42 46	5 8 8	7 4 2 4 6	- - - - - -	9 4.6 2.3	9 4.6 4.6	1000 2200 2500	2 1 1	* * *	cbrg cbrg cbrg	cbrg cbrg cbrg	bc bc bc	bc bc bc		
13A	Tiree	81.3	+2	SW	2	pr	52	85	45	7	8	-	-	7.8	7.8	1500	81.7	12	SSW	2	bc	49	85	45	8	8	6	-	4.6	4.6	2000	1	4	cbrg	cbrg	bc	bc
13B	Stornoway	81.8	+12	SSW	3	bc	53	85	47	8	3	6	3	4.6	4.6	2500	84.3	10	0	c-bc	49	85	45	8	2	4	-	4.6	7.8	3000	1	1	cbrg	cbrg	bc	bc	
15	Dalwhinnie Aberdeen Wick	83.0 83.8 82.9	0 -2 +8	SW WSW 0	3 3 0	c-bc b-bc pr	49 57 54	85 55 65	46 40 43	8 9 9	5 2 8	- 4 - - - -	7.8 1 7.8 7.8 7.8 7.8	7.8 2.3 9 9 9 9	2500 3500 3000	84.3 84.8 85.4	+6 10 12	W SW S	1 2 2	c-bc 2 c-bc	45 53 50	85 65 75	42 42 43	8 6 9	5 8 3	- 9 9 9 9 9	4.6 2.3 4.6 4.6 4.6 4.6	7.8 2.3 7.8 7.8 7.8 7.8	2500 3500 4000	1 1 1	* * *	cbrg cbrg cbrg	cbrg cbrg cbrg	bc bc bc	bc bc bc		
16	Sumburgh	83.4	+14	SW	2	bc	50	75	41	9	8	6	3	2.3	4.6	2500	86.3	118	N	1	b-bc	49	85	43	9	3	-	2.3	2.3	2500	1	3	bcprbc	bcprbc	bc	bc	
17	Blackod Point	83.5	-14	WS	6	c-bc	55	85	55	7	9	-	2	7.8	7.8	1500	82.1	-4	WSW	6	PR	52	92	50	7	9	-	7.8	9	800	1	5	pr	c	pr	pr	
18	Malin Head Aldergrove	82.4 86.3	-6 -6	SW SW	3 5	pr bc	53 55	85 65	49 42	9 9	9 8	2 - - - - -	4.6 4.6 4.6 4.6 4.6 4.6	9 9 9 9 9 9	2500 2000	81.6 84.0	-2 -6	S SW	3 1	bc c	49 49	92 85	47 47	8 8	9 3	2 7 3	- - - - - -	2.3 4.6 4.6 4.6 4.6 4.6	4.6 9 9 9 9 9	1500 2000	2 1	4 *	pr pr bcprbc	pr pr bcprbc	pr pr		



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



SECRET

Friday 25th September 1942

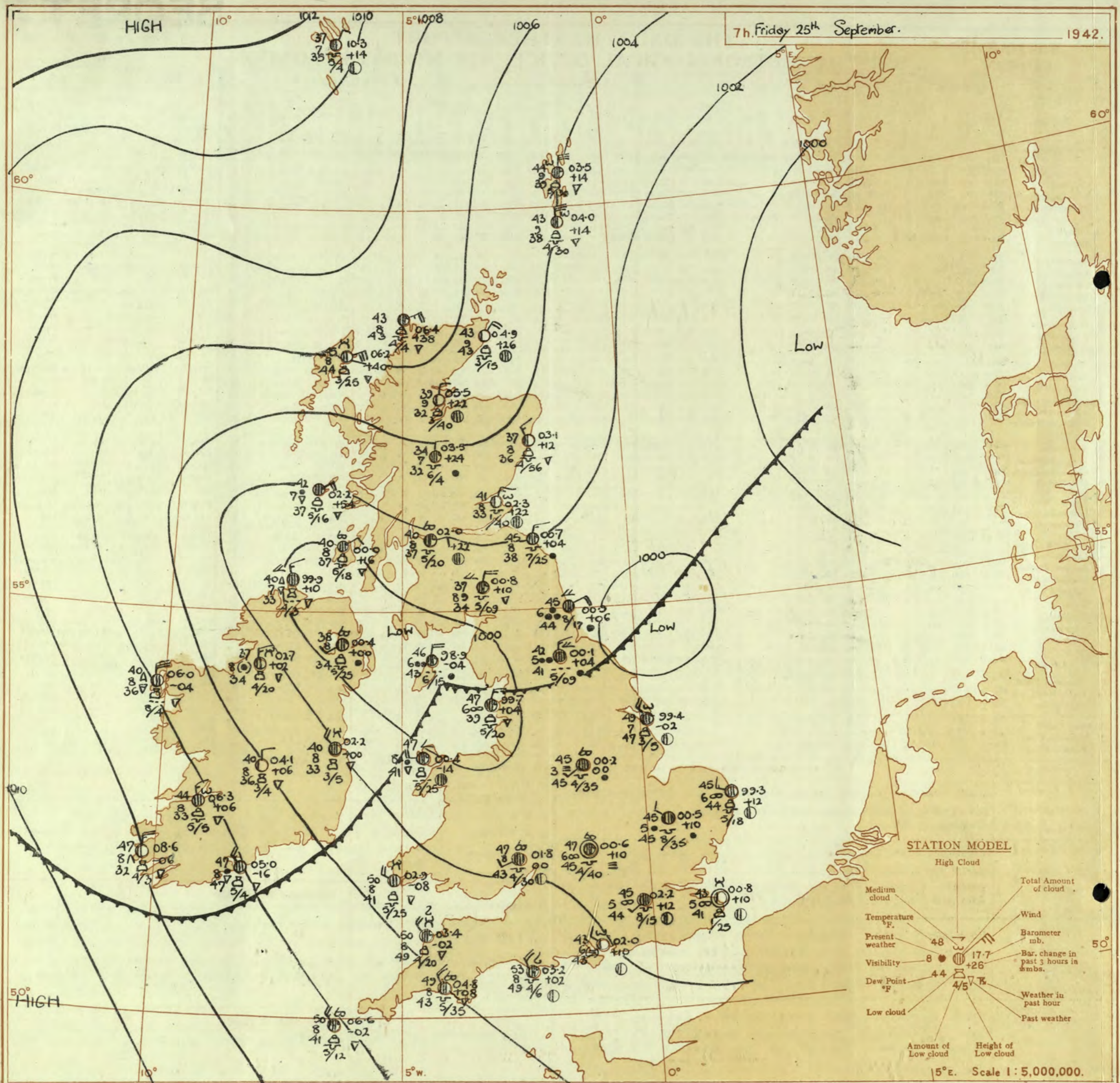
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BRITISH SECTION

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

OBSERVATIONS at 13h. G.M.T. 24th September															OBSERVATIONS at 18h. G.M.T. 24th September															PAST 24 HOURS.																																																																																																																																																																																																																																																																																																																																																																																												
DISTRICT.	STATIONS.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind. (3) (4)		Weather. (5)	Temp. (°F.) (6)	Humid. % (7)	Dew Point (°F.) (8)	Visibility. (9)	Cloud. (10) (11) (12) (13) (14)					Height of Base. (feet) (15)	Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind. (18) (19)		Weather. (20)	Temp. (°F.) (21)	Humid. % (22)	Dew Point (°F.) (23)	Visibility. (24)	Cloud. (25) (26) (27) (28) (29)					Height of Base. (feet) (30)	State of ground. (31)	Sea. (32)	WEATHER. (33) (34) (35) (36)																																																																																																																																																																																																																																																																																																																																																																																								
				Form.	Amount.						Low 0-10	Total 0-10	Form.	Amount.	Low 0-10				Total 0-10	Form.						Amount.	Low 0-10	Total 0-10	Form.	Amount.				Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	Low 0-10	Total 0-10	Form.	Amount.	



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).

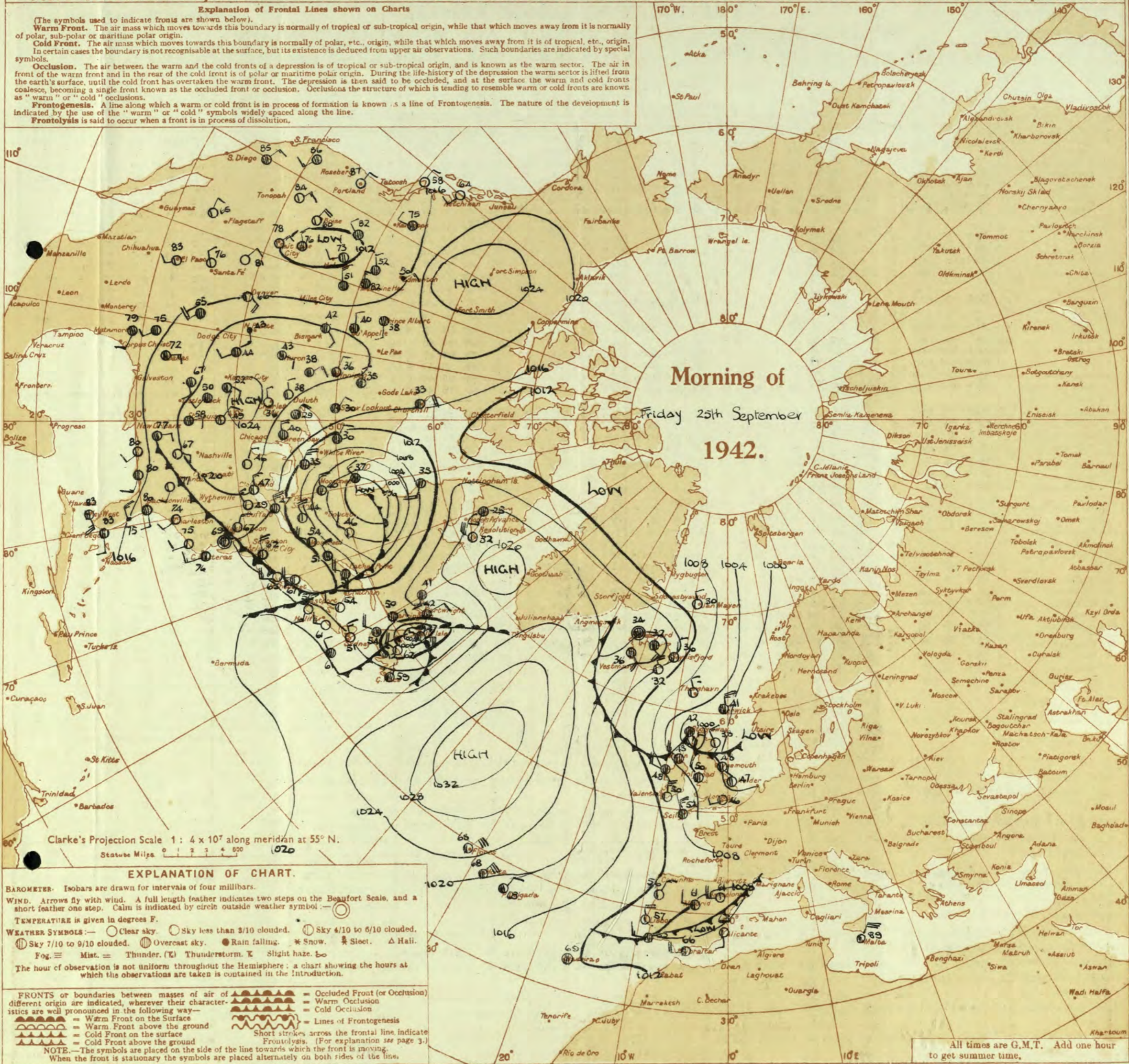
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Page 1

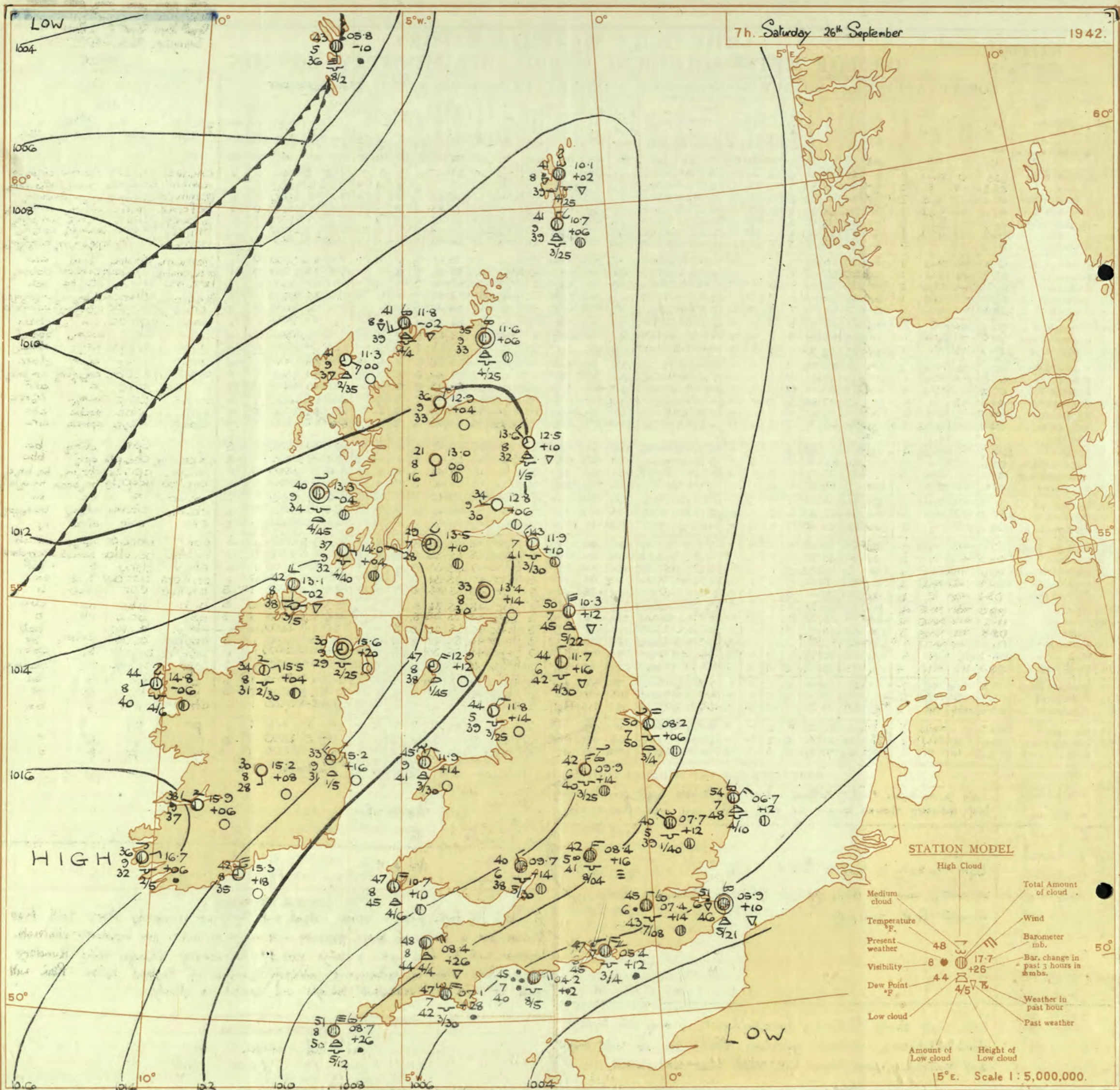
BRITISH SECTION

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

Saturday 26th September 1942

No. 29528

OBSERVATIONS at 13h. G.M.T. 25th September															OBSERVATIONS at 18h. G.M.T. 25th September															PAST 24 HOURS.							
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.				State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.						
				Direc. (3)	Force. 0-12 (4)						Form. (10)	Amount. (11)	Height of Base (feet) (15)	Direc. (18)	Force 0-12 (19)			Form. (25)	Amount (26)						Height of Base (feet) (30)	7h.-13h. 25th (39)	13h.-18h. 25th (40)	18h. 25th to 1h. 26th (41)			1h.-7h. 26th (42)						
1	London (Kew)	02.5	0	SW	1	20	55	75	47	6	8	4	-	9	9+	4000	03.1	+10	-	0	20	50	85	47	6	5	9	-	2-3	7-8	4000	1	*	cmo w2	cr rcm	Feb m	cm g w
	Croydon	02.8	+2	S	2	20	55	75	47	5	2	3	6	4-6	9+	3000	03.6	+6	SW	3	20	53	85	47	6	8	4	-	2-3	4-6	2500	1	*	cm cm	cz cm bc	cm ef	cm w
	S. Farnborough	02.1	-2	N	2	20	54	65	43	8	3	7	3	4-6	9+	2500	02.7	+10	-	0	20	51	75	44	6	8	6	-	2-3	7-8	3000	1	*	cm mm	pr c	pr bc	cm m
	Boscombe Down	02.4	-4	SSW	2	20	54	65	40	8	2	7	5	4-6	7-8	2000	03.0	+0	-	0	20	48	85	43	8	8	7	-	7-8	9	4000	0	*	bc cm	cm	cm	cm
	Thorney Island	02.7	-2	SW	3	20	56	55	40	8	7	2	-	4-6	9+	2500	02.8	+4	3	2	20	55	65	45	8	8	2	-	2-3	9+	1500	1	*	bc cm	cm	cm	cm
	Lymington	02.5	+2	NNW	1	20	57	75	50	6	2	6	-	2-3	2-3	5000	03.7	+10	SW	1	20	52	75	44	8	2	6	3	2-3	2-3	5000	1	*	cm	cm	cm	cm
	Manston	02.7	+2	-	0	20	55	85	47	5	2	4	-	4-6	4-6	2200	03.9	+10	-	0	20	54	65	43	8	2	6	-	7-8	7-8	1800	1	*	bc m	bc	pr	cm
	Shoeburyness	01.9	+4	SW	2	20	57	65	47	5	2	5	1	7-8	7-8	2500	03.7	+12	SSW	2	20	53	75	45	7	3	4	-	4-6	4-6	2500	0	*	bc cm	cm	bc	bc
	Felixstowe	02.3	+6	SW	1	20	60	65	48	6	8	-	-	7-8	7-8	4000	03.0	+10	-	0	20	53	75	46	7	8	-	-	7-8	7-8	2500	0	1	bc m	cm	bc	bc
	Corleston	01.7	+4	SSE	2	20	56	75	47	7	8	-	-	9	9	900	03.3	+6	NE	2	20	51	92	49	7	8	-	-	9+	9+	800	1	2	bc	cm	bc	bc
	Mildenhall	02.1	+2	WN	1	20	56	65	45	6	2	7	-	7-8	9+	2000	04.0	+10	NE	2	20	47	92	46	7	4	6	3	4-6	7-8	3500	1	*	bc	cm	bc	bc
	Cranwell	02.3	+8	NNW	1	20	55	65	43	7	8	7	-	7-8	9+	2500	04.8	+20	NE	3	20	49	85	44	7	8	-	-	10	10	2000	0	*	bc	cm	bc	bc
3	Birmingham	02.1	+4	E	2	20	53	55	38	8	8	-	-	7-8	7-8	2500	03.8	+12	NE	3	20	50	65	39	4	8	1	-	9	9+	2500	1	*	bc	cm	bc	bc
	Upper Heyford	01.3	+2	WSW	1	20	54	65	41	8	6	1	4	4-6	9	2500	02.2	+8	ENE	1	20	51	75	43	8	8	6	8	2-3	4-6	3500	0	*	bc	cm	bc	bc
4	Ross-on-Wye	01.3	-6	SE	3	20	55	55	39	7	8	-	3	4-6	7-8	3000	02.9	+6	N	1	20	46	85	43	8	8	7	-	7-8	9+	3000	1	*	bc	cm	bc	bc
5	Hartland Point	02.7	+6	NNW	2	20	44	85	38	7	8	2	-	7-8	10	1500	03.9	+4	NNW	4	20	45	75	38	8	2	6	4	4-6	7-8	2000	1	4	bc	cm	bc	bc
	Bristol	02.5	-4	SSW	1	20	50	75	41	7	8	-	-	4-6	9+	1500	03.1	+2	E	1	20	47	85	44	6	5	7	6	2-3	9+	4000	1	*	bc	cm	bc	bc
	Portland Bill	02.7	-6	SW	4	20	55	85	51	8	5	4	-	4-6	9	4000	02.7	-10	NW	3	20	50	85	43	8	5	-	-	10	10	2500	1	4	bc	cm	bc	bc
	Plymouth	03.8	-2	W	4	20	45	92	43	6	9	-	-	7-8	10	1500	03.2	+4	N	2	20	46	85	40	7	8	7	-	4-6	4-6	2000	1	4	bc	cm	bc	bc
	The Lizard	04.0	-8	NNW	6	20	45	85	40	8	8	2	-	7-8	9+	1500	03.6	+6	NNW	4	20	45	65	35	8	2	6	-	4-6	4-6	2000	0	4	bc	cm	bc	bc
	Scilly (St. Mary's)	04.0	-10	NNW	5	20	45	85	37	8	8	6	-	7-8	7-8	1500	04.4	+8	NE	3	20	46	65	35	8	8	6	3	4-6	7-8	1500	1	4	bc	cm	bc	bc
	Guernsey	04.0	-10	NNW	5	20	45	85	37	8	8	6	-	7-8	7-8	1500	04.4	+8	NE	3	20	46	65	35	8	8	6	3	4-6	7-8	1500	1	4	bc	cm	bc	bc
6	Pembroke	02.7	+2	NNW	4	20	48	65	38	8	7	-	-	7-8	7-8	3000	04.1	+10	NE	3	20	44	85	41	7	5	-	-	10	10	2500	1	3	bc	cm	bc	bc
7	Holyhead (Valley)	02.6	+8	-	0	20	44	85	41	8	5	2	-	7-8	10	1600	05.5	+22	NE	2	20	46	85	42	8	2	4	3	7-8	9	2000	1	3	bc	cm	bc	bc
	Chester (Sealand)	02.2	+10	NNW	1	20	51	75	43	7	8	6	3	7-8	9	3500	05.1	+22	N	3	20	48	75	41	6	5	1	-	4-6	9	3500	0	*	bc	cm	bc	bc
8	Manchester	02.1	+10	EN	3	20	54	65	40	6	3	-	-	4-6	4-6	2500	05.6	+22	NNE	3	20	45	85	40	5	4	-	-	7-8	9	4000	1	*	bc	cm	bc	bc
10	Spurn Head	02.3	+20	NNW	2	20	51	75	43	7	7	2	-	4-6	10	1500	04.7	+10	N	4	20	50	75	42	7	7	4	-	4-6	9	1500	1	3	bc	cm	bc	bc
	Catterick	04.7	+22	NW	3	20	44	97	43	6	5	-	-	4-6	10	800	07.5	+18	N	3	20	43	92	41	6	5	7	-	7-8	9	1200	1	*	bc	cm	bc	bc
	Tynemouth	04.5	+20	E	3	20	47	75	39	7	-	2	-	10	10	1700	05.9	+6	NNE	4	20	49	85	45	7	-	2	-	10	10	1500	1	4	bc	cm	bc	bc
11	St. Abbs Head	05.1	+12	N	4	20	48	75	39	8	5	4	-	7-8	9	2500	07.6	+12	N	5	20	48	75	39	8	6	4	-	4-6	7-8	2500	1	5	bc	cm	bc	bc
	Leuchars	06.3	+18	N	3	20	52	55	35	9	2	6	8	4-6	9	2500	08.8	+14	NNW	2	20	48	65	35	8	4	-	-	2-3	2-3	2800	0	*	bc	cm	bc	bc
12	Renfrew (Abbots I.)	06.6	+16	NNE	4	20	51	45	33	9	1	3	4	4-6	7-8	3500	05.5	+14	N	3	20	47	65	35	9	4	4	-	1	2-3	3500	1	*	bc	cm	bc	bc
	Eskdalemuir	04.8	+20	NNE	4	20	47	75	41	8	5	1	-	7-8	9+	1800	08.3	+8	N	3	20	42	75	34	8	8	6	-	2-3	2-3	2600	0	*	bc	cm	bc	bc
	Point of Ayre	03.2	+20	E	6	20	50	75	41	8	3	3	3	2-3	7-8	3000	08.4	+24	E	5	20	49	85	44	8	9	4	-	7-8	9	2500	1	5	bc	cm	bc	bc
13A	Tiree	08.9	+30	NNE	4	20	50	45	29	9	1	-	-	7-8	9	4000	12.4	+14	N	5	20	48	55	36	8	-	2	6	2-3	4-6	3500	0	5	bc	cm	bc	bc
13B	Stornoway	11.2	+14	NNE	4	20	48	55	35	8	1	-	-	2-3	2-3	4000	12.4	+8	NW	3	20	45	75	38	8	1	4	5	4-6	7-8	3000	1	2	bc	cm	bc	bc
15	Dalwhinnie	08.8	+16	NNE	8	20	45	45	27	8	8	-	-	4-6	4-6	2500	10.3	+12	NE	3	20	40	65	29	8	8	-	-	2-3	2-3	2500	0	*	bc	cm	bc	bc
	Aberdeen	06.4	+10	NNW	4	20	49	75	40	9	2	-	3	2-3	2-3	2500	08.7	+16	NW	3	20	46	85	42	8	8	-	-	9	9	2000	1	3	bc	cm	bc	bc
	Wick	08.7	0	N	4	20	45	75	37	9	8	-	-	4-6	9+	1200	09.6	+4	NNW	2	20	45	75	39	9	8	-	-	4-6	4-6	2500	1	*	bc	cm	bc	bc
16	Sumbur																																				



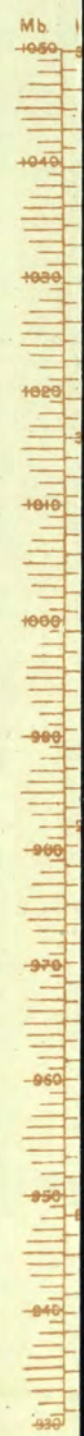
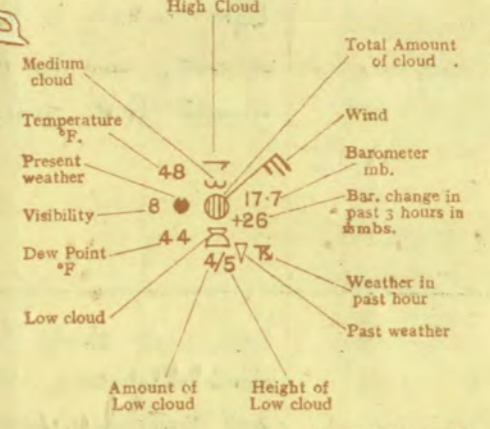
7h. Saturday 26th September 1942.

LOW

HIGH

LOW

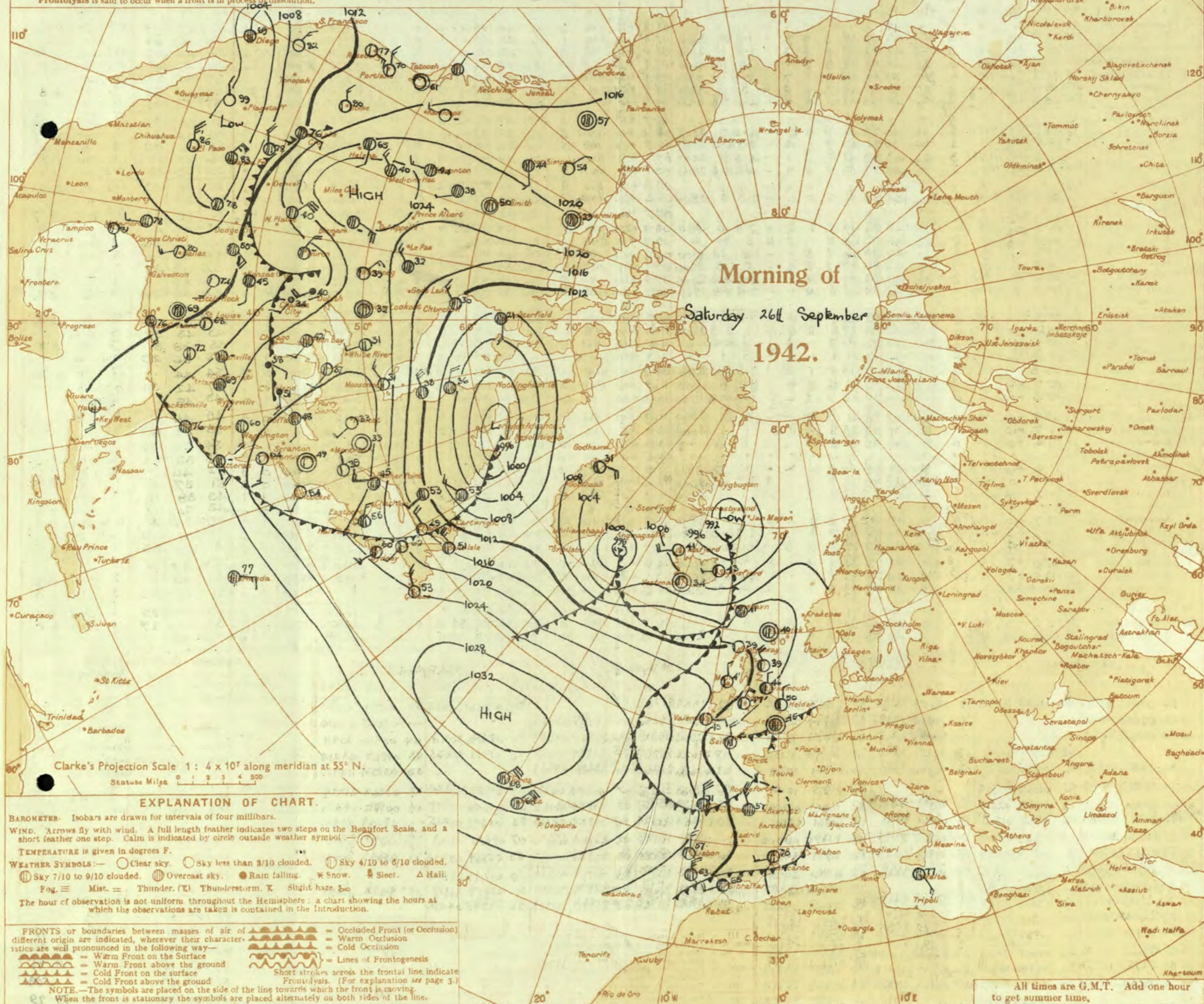
STATION MODEL



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.

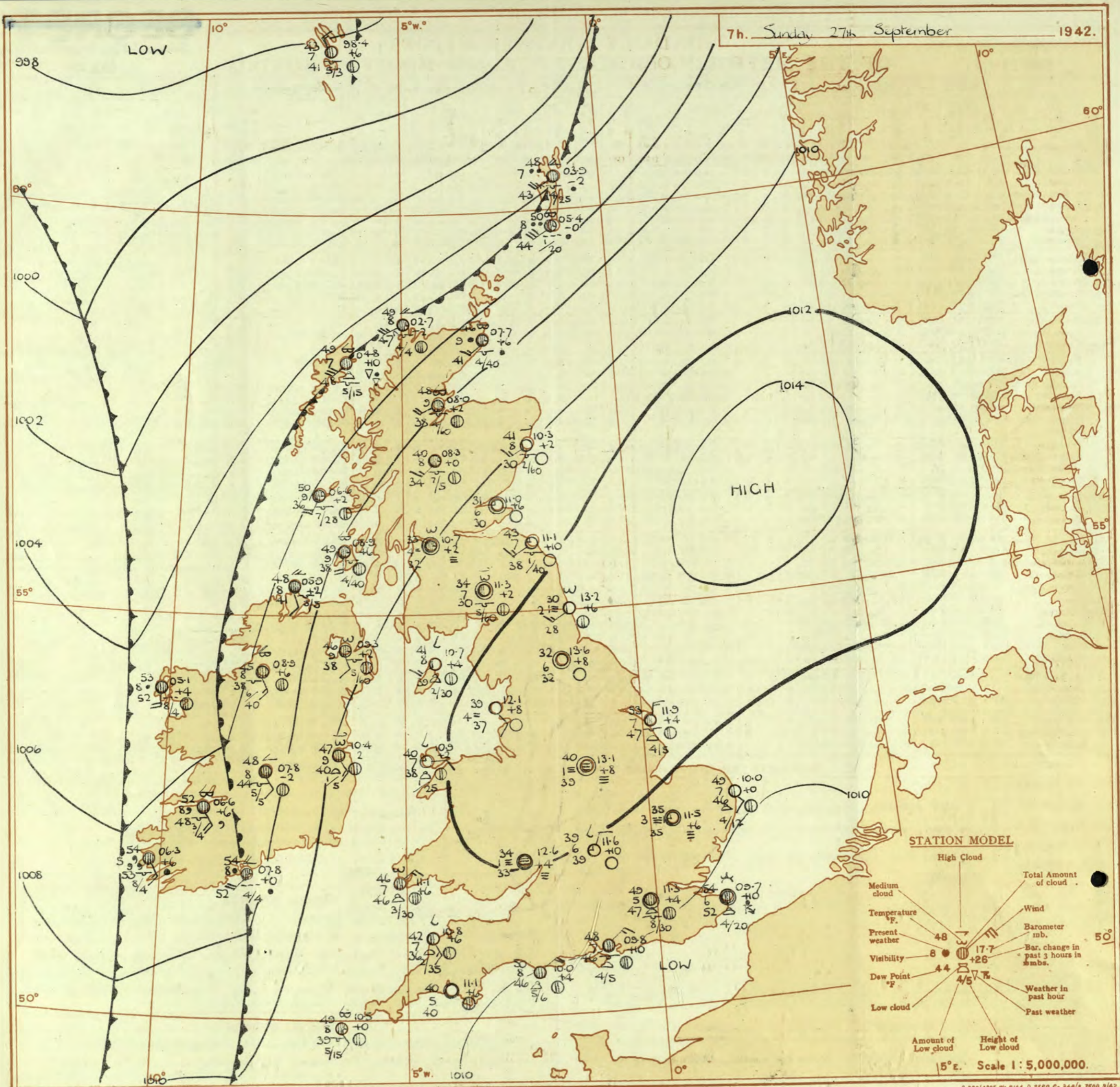


THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.

Saturday 26th September 1942
No. 29528

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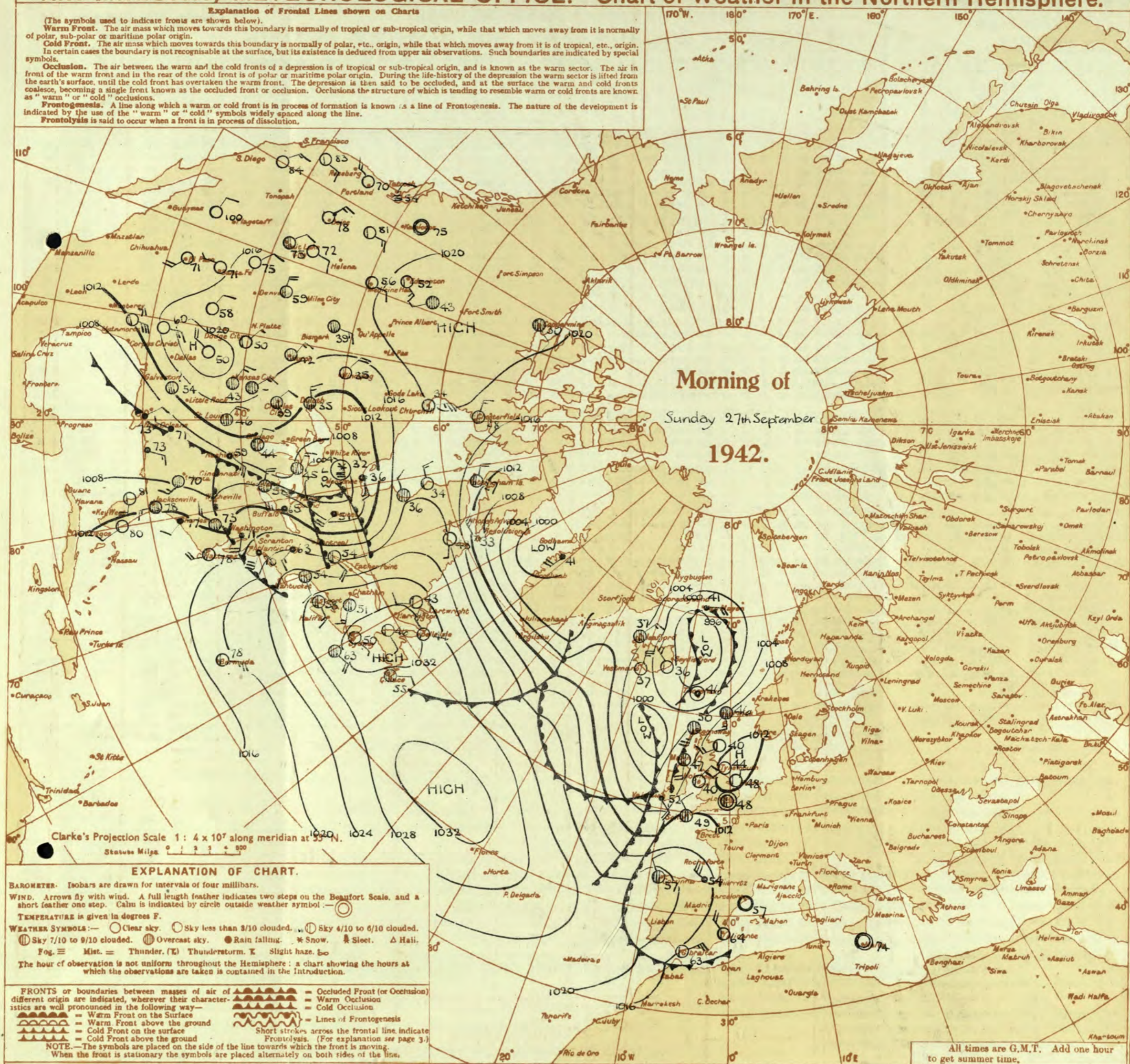
OBSERVATIONS at 13h. G.M.T. 26th September															OBSERVATIONS at 18h. G.M.T. 26th September															PAST 24 HOURS.							
DIRECTION.	STATIONS.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.					Barom. at M.S.L. (31)	State of ground. (32)	Sea. (33)	WEATHER.				
				Dir.	Force.						Form.	Amount.	Height of Base (feet) (15)	Dir.	Force.			Form.	Amount.						Height of Base (feet) (30)	7h.—13h. 26th (39)	13h.—18h. 26th (40)	18h.—24h. 27th (41)	1h.—7h. 27th (42)								
																																	Low.	Med.	High	Low	Med.
1	London (Kew)	07.9	-2	NE	3	c-bc	58	55	43	7	8	3	-	7-8	7-8	2500	08.2	+0	NNE	2	z	56	65	45	6	5	-	-	9+	9+	2500	1	*	irromacy	czo	zobccw	bcir, mo
	Croydon	08.6	-2	NNE	3	c	57	75	46	6	2	3	-	7-8	9+	2500	08.2	+6	NNE	2	ir	55	85	50	4	5	-	2-3	10	2000	1	*	bl	cm, emp	cm, em	cm, em	
	S. Farnborough	07.7	+6	NNE	4	c	56	65	44	7	7	7	-	4-6	9	3500	08.8	+0	NNE	2	z	56	65	45	6	5	3	4	4-6	9	1400	0	*	Cir, mo, c	cm, em	cm, em	cm, em
	Boscombe Down	08.3	-2	NNE	4	c	55	75	44	8	7	7	-	4-6	9+	2000	08.1	+2	N	2	bc	52	85	48	7	4	7	-	4-6	4-6	4000	0	*	c	cm, p, bc	cm, p, bc	cm, p, bc
	Thorney Island	07.0	+2	NNE	4	z	57	75	47	6	7	7	-	4-6	9	2500	07.7	+6	NNE	4	z	56	75	47	6	5	-	9	9	4000	0	*	cm, p, bc	cm, p, bc	cm, p, bc	cm, p, bc	
	Lympne	06.8	+2	NE	5	c-bc	60	65	47	6	2	2	-	4-6	7-8	3000	07.7	+8	NNE	4	c-bc	56	85	50	7	2	6	-	2-3	7-8	4000	1	*	cm, p, bc	cm, p, bc	cm, p, bc	cm, p, bc
	Manston	07.2	+6	NNE	3	bc	60	65	45	8	2	4	-	2-3	4-6	2500	07.8	+6	NNE	2	bc	57	75	48	7	8	7	6	2-3	4-6	5000	1	*	c-bc	c-bc	ac, p, bc	ac, p, bc
2	Shoeburyness	08.2	0	NE	4	c	56	85	50	8	8	7	-	7-8	9+	2500	08.6	+8	NE	3	c-jp	56	75	48	7	5	2	-	7-8	9	3500	0	*	cir, c	cbcc, jp	cr	c
	Felixstowe	07.6	+6	ENE	3	c	61	55	47	7	8	-	-	10	10	2500	08.2	+6	NNE	3	c-bc	55	75	48	7	8	3	-	4-6	7-8	4000	0	2	c	cbcc	bbcc, bc	bbcc, bc
	Gorleston	08.6	+6	NNE	4	cc	58	75	50	7	2	-	-	4-6	4-6	2500	08.2	+6	NE	3	bc	56	75	48	8	1	3	-	4-6	4-6	2300	1	3	bc	cbcc	bbcc, bc	bbcc, bc
	Mildenhall	08.6	+6	NNE	3	c-bc	57	55	44	9	8	6	-	4-6	7-8	2500	08.7	+0	N	2	c	52	85	46	8	6	6	-	4-6	9	25						



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

Explanation of Frontal Lines shown on Charts

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Frontolysis is said to occur when a front is in process of dissolution.



SECRET

Monday 28th September 1942
No. 29530

Page 1

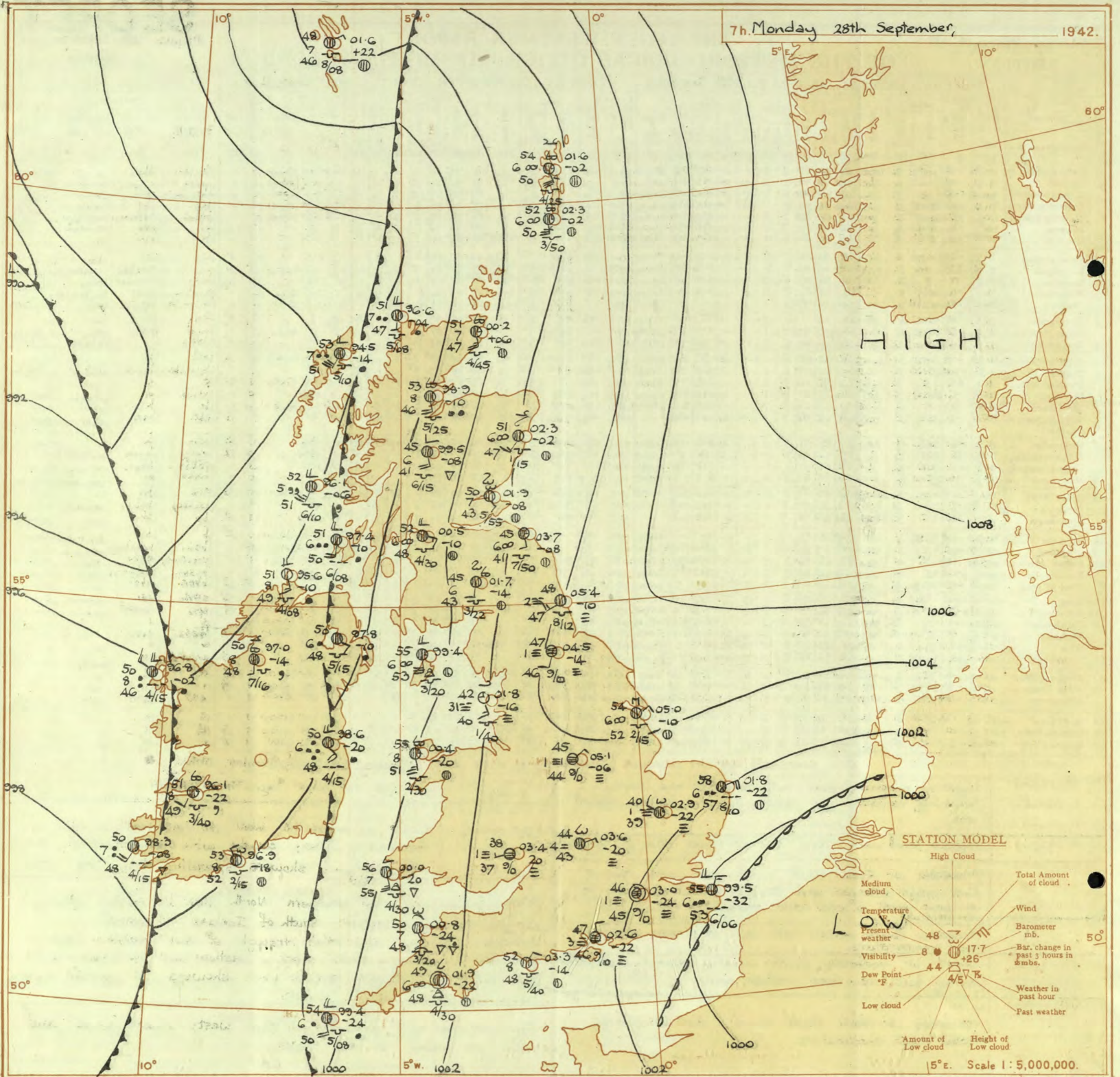
BRITISH SECTION

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

OBSERVATIONS at 13h. G.M.T. 27th September															OBSERVATIONS at 18h. G.M.T. 27th September															PAST 24 HOURS.								
DISTRICT.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. m. (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. m. (24)	Cloud.					State of ground. (31)	Sea. (32)	WEATHER.						
				Dir. (3)	Force. (4)						Low. (10)	Med. (11)	High (12)	Low Total 0-10 (13) (14)	Height of Base (feet) (15)			Low. (25)	Med. (26)						High (27)	Low Total 0-10 (28) (29)	Height of Base (feet) (30)	7h.—13h. 27th. (39)	13h.—18h. 27th. (40)			18h. 27th to 1h. 28th. (41)	1h.—7h. 28th. (42)					
1	London (Kew)	10.8	-8	NE	2	b-c	62	92	59	6	2	-	-	2-3	2-3	2500	09.3	-6	ESE	2	Z	59	75	50	6	5	-	-	4-6	4-6	2500	1	*	irc, bz.	bbez.	mfew	fefew	
	Croydon	11.3	-4	-	0	bc	63	75	54	6	2	4	-	4-6	4-6	2500	10.2	-6	ESE	2	Z	53	85	50	6	5	-	-	2-3	2-3	5500	1	*	cmom.	cmom.	bmbf	fx	
	S. Farnborough	10.4	-14	E	3	Z	63	65	50	6	8	4	-	4-6	4-6	3500	09.2	-6	E	2	Z	59	75	51	5	7	3	-	2-3	4-6	3000	0	*	cmom.	cmom.	bmbf	fx	
	Boscombe Down	11.2	-8	ENE	3	bc	60	75	50	8	1	6	-	4-6	4-6	3000	09.9	-4	NE	2	c-bc	58	75	49	8	9	7	-	4-6	7-8	3500	0	*	bc	bc	cmom.	fx	
	Thorney Island	10.3	-2	ENE	3	bc	62	65	50	7	2	-	-	4-6	4-6	4000	09.5	-2	N	1	Z	58	85	54	6	5	-	-	7-8	7-8	4000	0	*	bc	bc	cmom.	fx	
	Lympne	10.1	-2	ENE	3	bc	65	65	52	7	2	6	-	4-6	4-6	4000	09.4	-4	NNE	1	b	54	85	49	7	4	1	-	0	Tr	-	1	*	bc	bc	cmom.	fx	
	Manston	10.3	-2	E	2	Z	63	65	50	6	2	-	-	2-3	2-3	3100	09.4	-8	-	0	b-bc	56	85	50	7	-	5	-	0	2-3	-	1	*	bc	bc	cmom.	fx	
2	Shoeburyness	11.2	-4	NNE	2	bc	61	75	53	7	8	4	-	2-3	4-6	4000	10.4	-6	ENE	1	b-bc	54	85	50	7	-	4	-	0	2-3	-	0	*	c	bc	cmom.	fx	
	Felixstowe	11.0	+2	NE	3	c-bc	64	65	53	7	8	-	-	7-8	7-8	4000	09.9	-6	ENE	3	b-bc	59	85	52	7	5	-	-	2-3	2-3	4000	0	2	c	bc	cmom.	fx	
	Gorleston	11.9	0	E	2	Z	61	85	57	6	5	-	-	7-8	7-8	2000	10.8	-6	SSE	3	bc	59	85	53	7	-	7	-	0	4-6	-	0	2	c	bc	cmom.	fx	
	Mildenhall	11.7	-6	E's	2	c	63	65	50	8	8	3	-	7-8	9	2500	10.2	-6	ESE	2	b-bc	58	75	50	7	2	6	-	1	2-3	2500	0	*	bmbc	bc	cmom.	fx	
	Cranwell	12.2	-2	NW	1	b	60	65	49	7	1	-	-	1	1	1800	10.3	-8	-	0	b-bc	56	75	48	8	8	-	-	2-3	2-3	2500	0	*	bmbc	bc	cmom.	fx	
3	Birmingham	12.1	-4	ESE	2	Z	56	65	46	8	1	-	-	Tr	Tr	2500	10.1	-10	SE	2	Z	56	65	44	6	-	4	0	1	-	1	*	Fb2	b2	bm	bm		
	Upper Heyford	11.2	-6	ENE	2	b-bc	61	55	46	8	1	-	-	2-3	2-3	2500	09.7	-6	NE	1	b	57	65	47	7	4	4	Tr	1	4000	0	*	bmb	bmb	bm	bm		
4	Ross-on-Wye	12.0	-4	ENE	2	b	56	65	44	8	1	-	-	Tr	Tr	3500	09.7	-10	E	1	b	55	75	47	7	-	1	1	Tr	1	4000	0	*	Fb2	b2	bm	bm	
5	Hartland Point	10.9	-4	NNE	3	b-bc	56	75	47	8	1	-	5	2-3	2-3	4000	08.6	-12	ENE	1	bc	57	75	49	8	1	-	5	2-3	4-6	3000	0	2	bc	bc	bm	bm	
	Bristol	11.9	-10	ENE	2	Z	60	65	47	6	1	-	-	2-3	2-3	4000	10.7	-6	-	0	m	55	85	49	4	-	4	0	Tr	-	1	*	bmb	bc	bm	bm		
	Portland Bill	11.1	-2	E	3	c-bc	60	85	56	8	1	-	-	7-8	7-8	4000	09.5	-4	E	3	bc	59	85	55	8	-	-	4-6	4-6	4000	1	4	c	bc	bm	bm		
	Plymouth	10.8	-6	SSW	2	bc	60	75	51	8	1	-	-	4-6	4-6	2500	09.3	-12	SSW	1	bc	55	85	51	7	-	-	4-6	4-6	-	0	1	c	bc	bm	bm		
	The Lizard	11.2	0	E	2	b-bc	61	65	50	8	7	-	-	2-3	2-3	2700	08.6	-8	ESE	3	bc	55	85	49	8	7	6	-	4-6	4-6	2500	0	3	bc	bc	bm	bm	
	Seilly (St. Mary's)	10.6	-2	SE	3	bc	60	65	47	8	-	4	6	0	4-6	-	08.6	-10	SE	2	c	55	92	53	8	-	4	0	9	-	1	3	bc	bc	bm	bm		
	Guernsey	10.6	-2	SE	3	bc	60	65	47	8	-	4	6	0	4-6	-	08.6	-10	SE	2	c	55	92	53	8	-	4	0	9	-	1	3	bc	bc	bm	bm		
6	Pembroke	11.3	-2	SES	4	bc	57	85	51	7	2	-	2	2-3	4-6	3000	09.1	-8	SSE	3	bc	56	85	52	8	-	7	2	0	4-6	-	0	2	bc	bc	bm	bm	
7	Holyhead (Valley)	11.4	0	S'E	3	b	57	65	47	7	1	-	5	Tr	1	2500	09.1	-2	S'W	3	bc	55	65	55	8	-	-	6	0	4-6	-	0	2	bc	bc	bm	bm	
	Chester (Sealand)	11.9	-6	SE	2	b	59	55	41	2	1	-	-	Tr	Tr	4000	09.9	-6	E	1	Z	53	75	44	6	-	-	4	0	2-3	-	0	*	cFb	bmb	bm	bm	
8	Manchester	12.3	-14	SSW	2	b-bc	56	65	42	8	1	-	-	2-3	2-3	4000	10.1	-10	SSE	2	b	53	75	43	6	-	-	4	0	1	-	0	*	cFb	bmb	bm	bm	
10	Spurn Head	12.5	0	ESE	2	b-bc	59	85	53	7	2	-	-	2-3	2-3	2500	11.3	-4	SE	3	b	56	92	53	7	2	8	1	1	2500	0	3	bc	bc	bm	bm		
	Catterick	12.8	-8	S	2	b-bc	58	55	44	8	1	-	-	2-3	2-3	3500	10.7	-8	SE	1	b	52	75	45	6	-	4	0	Tr	-	1	*	bc	bc	bm	bm		
	Tynemouth	13.1	-6	S	3	b-bc	56	65	45	7	-	3	-	0	2-3	-	11.5	-4	SSE	4	b-bc	53	92	51	7	-	3	0	2-3	-	1	2	bc	bc	bm	bm		
11	St. Abbs Head	10.2	-14	SSE	3	b	57	55	42	7	1	-	-	1	1	4000	09.5	+4	S	2	b-bc	53	65	40	7	5	4	-	2-3	2-3	4000	0	2	b	b	bm	bm	
	Leuchars	09.9	-12	S	3	Z	54	65	42	6	1	3	-	4-6	4-6	2000	07.9	-10	S	2	Z	51	75	44	6	1	3	9	2-3	4-6	2500	0	*	bc	bc	bm	bm	
12	Renfrew (Abbots I.)	09.4	-14	S	4	c	57	65	43	7	8	-	-	9+	9+	2500	07.7	-6	SSE	2	c	54	75	45	6	4	7	-	7-8	10	4500	1	*	cm	cm	bm	bm	
	Eskdalemuir	10.1	-20	S	4	c-bc	53	65	42	7	1	3	1	2-3	2-3	3000	09.1	-6	SW	3	Z	47	75	41	6	-	3	6	0	7-8	-	1	*	bc	bc	bm	bm	
	Point of Ayre	10.8	-6	SSW	4	c	58	65	48	7	2	3	-	1	9	3000	08.7	-10	SW	3	c-bc	52	75	46	7	2	-	4	Tr	7-8	3000	0	3	bc	bc	bm	bm	
13A	Tiree	05.8	-10	S	4	c	53	75	47	8	5	7	-	7-8	10	2000	02.5	-14	SSW	5	r	53	97	53	5	-	2	-	10	10	600	1	5	cir	cd	orr	orr	
13B	Stornoway	03.4	-8	SSW	6	c	53	85	49	8	8	7	-	7-8	10	2500	09.9	-14	S	6	dd	52	97	52	7	5	-	2	-	7-8	10	1500	1	4	cir	cd	orr	orr
15	Dalwhinnie	08.2	-4	S	3	bc	50	65	39	8	8	-	1	4-6	4-6	2500	05.0	-12	S	3	c	49	75	41	7	8	-	-	9+	9+	2500	0	*	c	c	orr	orr	
	Aberdeen	09.2	-4	S'W	4	c-bc	54	65	43	6	7	3	-	4-6	7-8	2000	07.4	-8	S'E	3	Z	52	85	48	5	5	4	1	2-3	4-6	2000	1	4	bc	bc	bm	bm	
	Wick	06.8	+2	SW	2	c	51	85	47	9	5	7	6	4-6	9	4000	04.5	-18	S'W	4	c-bc	53	75	46	8	-	5	6	0	7-8	-	0	*	c	c	orr	orr	
16	Sumburgh	06.0	+2	SW	5	c	53	75	45	8	1	7	-	2-3	9	2000	04.9	-12	S	4	c	52	85	48	8	-	7	7	0	9+	-	1	3	c	c	orr	orr	
17	Blackod Point	05.0	-4	SW	2	id.	56	97	55	7	6	2	-	2-3	10	800	03.2	-14	S'W	3	dd	55	92	53	7	6	2	-	2-3									

7h. Monday 28th September,

1942.



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below).
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



BRITISH
SECTIONTHE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON.Monday 28th September 1942
No. 29530

OBSERVATIONS at 1 hr. G.M.T. 28th September																	OBSERVATIONS at 7 hr. G.M.T. 28th September																	PAST 24 HOURS									
DISTRICT.	STATIONS.	Height above M.S.L. in feet.	Barom. at M.S.L. (1)	Change in 3 hours. (2)	Wind.		Weather.	Temp. °F. (6)	Humid. % (7)	Dew Point °F. (8)	Visibility. (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours. (17)	Wind.		Weather.	Temp. °F. (21)	Humid. % (22)	Dew Point °F. (23)	Visibility. (24)	Cloud.					Barom. at M.S.L. (31)	Change in 3 hours. (32)	TEMPERATURE.					RAINFALL.		SUNSHINE Hrs. (38)			
					Dir. (3)	Force. (4)						Form. (10)	Amount. (11)	Height of Base. (feet) (12)	Low. (13)	Med. (14)			High. (15)	Dir. (18)						Force (19)	Form. (26)	Amount. (27)	Height of Base. (feet) (28)	Low. (29)			Med. (30)	High. (31)	Max. Day 7h-18h °F. (33)	Min. Night 18h-7h °F. (34)	Min. on Grass °F. (35)	Day 7h-18h mm. (36)	Night 18h-7h mm. (37)				
																																									0-12 (5)	0-10 (10)	0-10 (11)
1	London (Kew) ...	18	07.1	-2.1	*	0	b-bc	48	97	48	3	5	-	-	2.3	2.3	03.0	-2.1	WNW	1	c-bc	47	97	46	3	-	7	1	0	7.8	-	1	63	45	35	Tr	Tr	4.5					
	Croydon ...	290	07.1	-2.1	*	0	f	42	97	42	0	-	-	-	0	0	03.1	-2.2	NW	2	F	46	97	46	1	-	-	-	10	10	150	1	64	44	40	-	-	4.8					
	S. Farnborough ...	226	05.4	-2.1	*	0	f	51	97	49	6	-	-	-	0	0	03.1	-2.2	N	2	F+	42	97	42	0	-	-	-	10	10	200	1	65	41	33	-	Tr	4.8					
	Boscombe Down ...	417	07.0	-1.8	NE'E	1	fg	48	92	47	5	-	-	-	0	7.8	02.6	-2.2	N	2	f	47	97	47	3	-	-	-	10	10	150	0	66	48	38	Tr	-	6.5					
	Thorney Island ...	10	06.9	-2.0	N	1	fg	51	97	50	6	-	-	-	0	2.3	03.3	-3.0	NW	1	W	53	97	50	5	5	2	-	9	10	700	1	66	48	43	-	1	8.8					
	Lympne ...	283	05.1	-3.0	NNE	1	z	57	75	50	6	5	-	-	4.6	4.6	03.5	-3.2	NE	3	W	55	92	53	6	6	2	-	9	10	600	1	63	53	47	-	3	9.3					
	Manston ...	154	05.4	-2.8	NE	2	z	57	75	50	6	5	-	-	4.6	4.6	03.5	-3.2	NE	3	W	55	92	53	6	6	2	-	9	10	600	1	63	53	47	-	3	9.3					
2	Shoeburyness ...	11	06.1	-3.0	N	2	z	51	92	49	6	5	-	-	4.6	4.6	01.7	-3.0	NW	2	W	51	92	50	6	-	2	-	10	10	2300	1	65	48	37	-	0.3	8					
	Felixstowe ...	12	06.1	-3.0	N	2	z	51	92	49	6	5	-	-	4.6	4.6	01.7	-3.0	NW	2	W	51	92	50	6	-	2	-	10	10	2300	1	65	48	37	-	0.3	8					
	Gorleston ...	5	06.6	-3.6	E	4	c-bc	58	85	53	6	2	-	-	2.3	7.8	01.4	-2.0	NW	3	W	53	92	52	5	5	-	-	10	10	4000	1	65	49	47	-	1	5.5					
	Mildenhall ...	15	07.3	-2.6	NE'N	2	bF+	45	97	45	1	-	-	-	0	0	01.8	-2.2	ESE	5	W	58	97	53	6	6	-	-	10	10	1000	1	61	57	52	-	0.2	3.5					
	Cranwell ...	203	08.0	-1.8	-	0	f	43	97	42	0	-	-	-	0	0	03.5	-2.0	-	0	c-bc	46	97	46	2	-	3	2	0	9	-	9	66	37	36	-	Tr	7.7					
3	Birmingham ...	535	08.2	-8	NE	1	m	48	97	47	4	-	-	-	0	0	03.7	-1.4	SE	2	F	46	97	45	1	-	-	-	10	10	450	1	58	44	30	-	-	7.5					
4	Upper Heyford ...	408	08.2	-8	NE	1	m	48	97	47	4	-	-	-	0	0	03.6	-2.0	ESE	1	m	44	97	43	4	-	5	6	0	9	-	0	64	42	40	-	-	7.5					
	Ross-on-Wye ...	223	08.2	-8	NE	1	m	48	97	47	4	-	-	-	0	0	03.4	-2.0	W'S	1	F+	38	97	37	1	-	-	-	10	10	450	0	60	37	36	-	-	7.1					
5	Hartland Point ...	299	05.8	-2.0	S	2	b-bc	49	75	42	8	-	-	8	0	2.3	00.8	-2.4	SSE	3	c-bc	50	92	48	7	4	6	-	2.3	7.8	2000	1	59	48	45	-	Tr	9.7					
	Bristol ...	209	07.5	-2.2	-	0	bF+	40	97	40	1	-	-	-	0	0	03.6	-1.8	ESE	1	bF+	45	97	45	1	-	-	-	-	-	-	1	62	37	30	Tr	Tr	8.6					
	Portland Bill ...	32	06.6	-2.1	E	2	b	53	98	49	8	-	-	-	0	0	03.3	-1.4	NE	2	c-bc	52	98	48	8	5	-	-	7.8	7.8	4000	1	60	49	30	-	-	9.9					
	Plymouth ...	82	06.5	-2.2	E	2	z	46	97	46	5	-	-	-	0	0	01.9	-2.2	-	0	z	49	97	49	6	8	4	-	4.6	9	3000	0	61	43	36	-	-	9.9					
	The Lizard ...	240	05.7	-2.0	SE	2	bc	50	92	49	8	-	-	-	4.6	4.6	01.2	-2.0	SSE	4	c-bc	55	92	53	8	8	6	-	7.8	7.8	2000	1	62	50	-	-	-	9.9					
	Scilly (St. Mary's) ...	163	04.9	-2.8	SSE	3	c	54	93	50	8	5	3	-	4.6	9	01.4	-2.4	S'E	4	W	54	85	51	6	5	2	-	7.8	10	800	1	60	52	-	-	Tr	9.5					
	Guernsey ...	175	04.9	-2.8	SSE	3	c	54	93	50	8	5	3	-	4.6	9	01.4	-2.4	S'E	4	W	54	85	51	6	5	2	-	7.8	10	800	1	60	52	-	-	Tr	9.5					
6	Pembroke ...	142	05.3	-1.6	SSE	5	c	56	97	54	7	2	3	1	2.3	9	00.0	-2.0	SSE	5	c	56	97	54	7	8	1	-	4.6	10	3000	0	58	48	-	-	Tr	7.6					
7	Holyhead (Valley) ...	32	05.0	-2.4	SSE	4	c	54	85	49	7	-	5	-	0	9	03.6	-2.0	SSE	5	c	44	85	49	8	5	1	-	4.6	10	3000	0	59	46	40	-	-	7.6					
	Chester (Sealand) ...	16	07.0	-2.6	E	2	m/f	43	85	38	4	-	-	4	0	2.3	03.6	-1.8	E'S	3	F+	44	92	44	1	-	-	-	10	10	450	1	60	39	29	-	Tr	9.3					
8	Manchester ...	235	07.7	-2.2	ESE	2	m	42	97	41	4	-	-	-	0	0	03.9	-1.4	-	0	m	45	97	45	4	-	-	-	0	0	-	0	59	39	32	-	-	9.3					
10	Spurn Head ...	29	08.4	-2.2	SE'E	3	b	58	92	53	7	-	-	-	0	0	05.0	-1.0	ENE	2	z	54	92	52	6	5	8	-	1	7.8	1500	0	60	53	-	-	-	9.5					
	Catterick ...	175	08.4	-1.8	-	0	bF	39	97	37	3	5	-	-	4.6	4.6	04.5	-1.4	S'W	2	F	47	97	47	1	-	-	-	10	10	450	1	58	37	32	-	Tr	9.6					
	Tynemouth ...	108	08.6	-2.0	SW	3	m	47	92	45	4	-	3	-	0	2.3	05.4	-1.0	SW	3	f	48	97	48	2	5	-	-	10	10	200	1	56	45	-	-	-	9.6					
11	St. Abbs Head ...	280	06.1	-1.6	SSE	2	z	47	75	40	6	5	4	-	4.6	7.8	03.7	-8	SSE	1	z	45	85	42	6	5	-	-	9	9	5000	0	58	43	-	-	-	*					
	Leuchars ...	36	04.8	-1.8	-	0	z	43	75	40	6	5	3	-	1	9	01.9	-8	SE	1	c-bc	50	75	43	7	5	3	-	7.8	7.8	5500	0	57	46	36	-	-	8.2					
12	Renfrew (Abbots L.) ...	19	03.8	-1.8	SE'E	2	z	51	85	47	6	5	2	-	7.8	10	00.5	-1.0	ESE	3	z	52	85	46	6	5	2	-	4.6	10	3000	1	58	50	47	-	0.5	3.2					
	Eskdalemuir ...	794	*	*	*	*	*	*	*	*	*	*	*	*	*	*	01.7	-1.4	S	2	c-bc	45	92	43	6	5	7	9	2.3	9	2200	1	55	36	29	-	-	8.0					
	Point of Ayre ...	30	04.3	-2.2	S'W	5	c	56	75	48	7	5	2	-	7.8	10	01.4	0	S	6	z	55																					

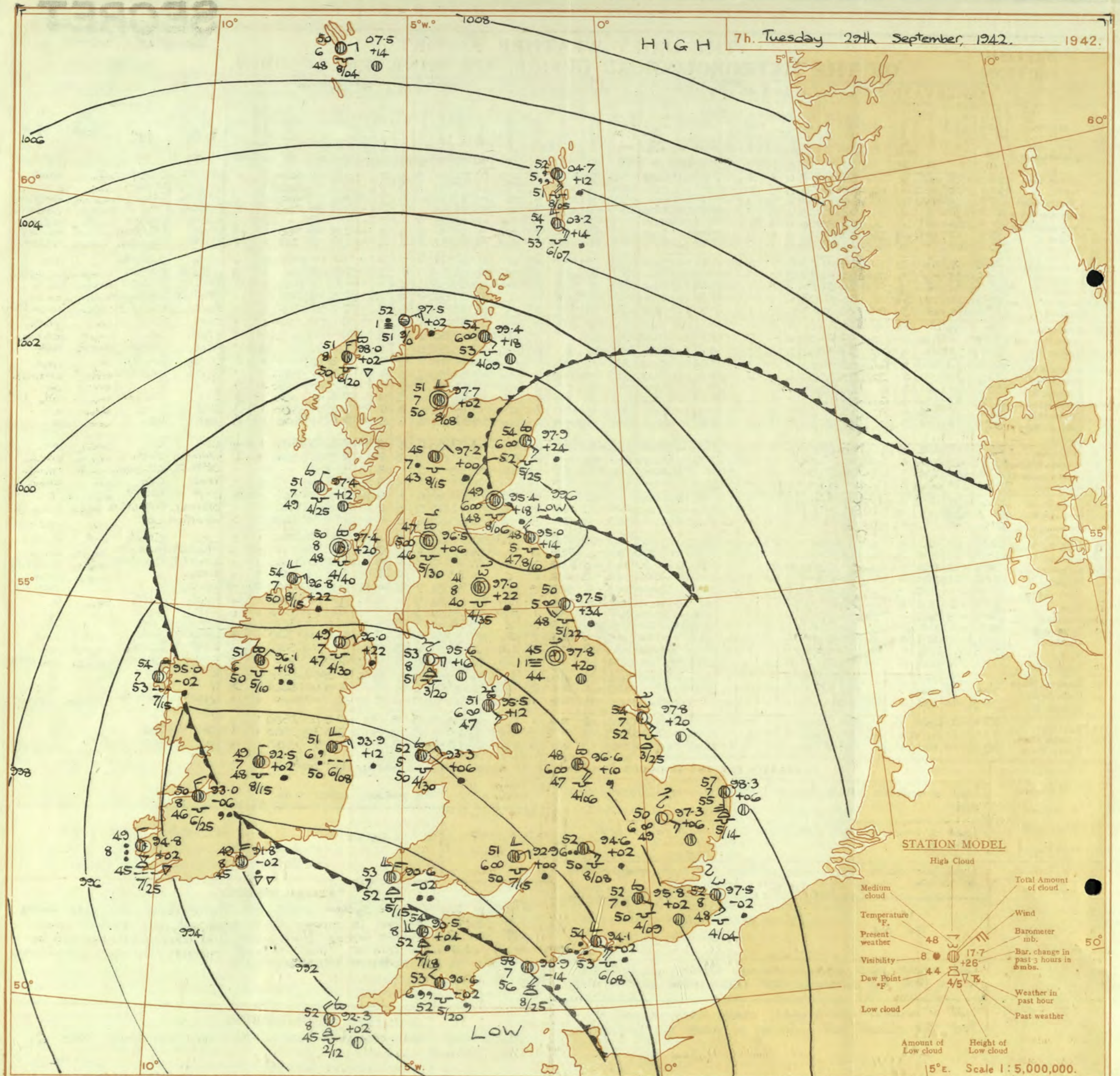
THE DAILY WEATHER REPORT
OF THE METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON

SECRET

Tuesday 29th September 1942

No. 29531

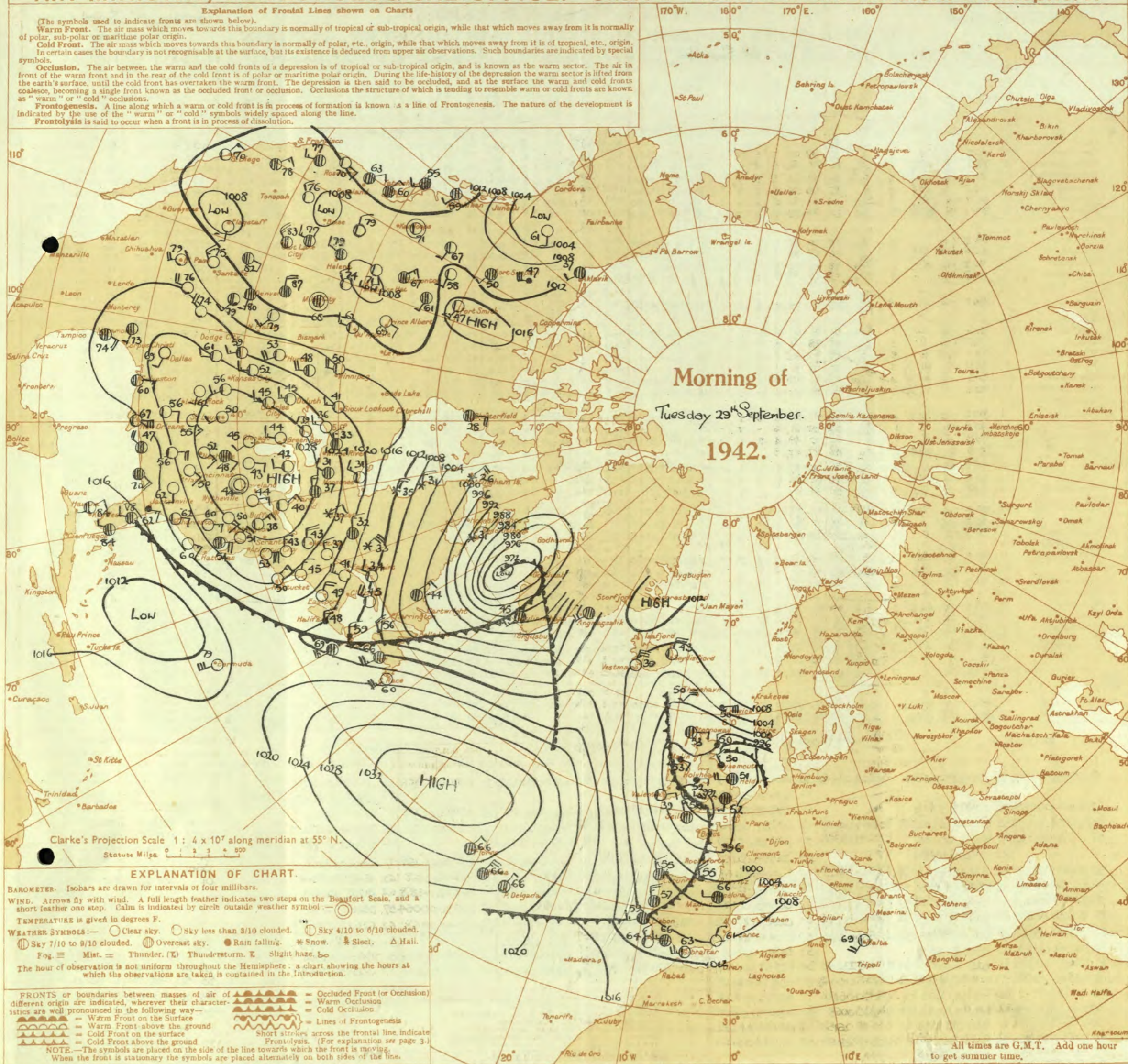
OBSERVATIONS at 13h. G.M.T. 28 th September															OBSERVATIONS at 18h. G.M.T. 28 th September															PAST 24 HOURS.						
District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. mb. (1)	Change in 3 hours. (2)	Wind.		Temp. °F. (6)	°C. (7)	Humid. % (8)	Dew Point °F. (9)	Visibility. 0-9 (10)	Cloud.					Barom. at M.S.L. mt. (16)	Change in 3 hours. (17)	Wind.		Temp. °F. (21)	°C. (22)	Humid. % (23)	Dew Point °F. (24)	Visibility. 0-9 (25)	Cloud.					State of ground. 0-9 (31)	Sea. 0-9 (32)	WEATHER.				
				Direc. (3)	Force. (4)						Weather. (5)	Form. (11)	Amount. (12)	Height of Base (feet) (15)	Low. (13)			Med. (14)	High (15)						Direc. (18)	Force. (19)	Weather. (20)	Form. (26)	Amount. (27)			Height of Base (feet) (30)	7h.—13h. 28 th (39)	13h.—18h. 28 th (40)	18h.—28 th 1h.—29 th (41)	1h.—7h. 29 th (42)
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lympe Manston	96.9 97.4 96.8 97.9 97.9 95.1 95.0	-28 -30 -30 -30 -24 -22 -22	NW N NNW N N NW -	1 2 1 0 0 4 0	for rf 2 c 2 DR dod	55 54 54 57 58 53 55	92 92 92 85 76 97 97	53 53 52 53 53 53 55	6 3 3 3 3 3 6	2 2 2 2 2 2 2	- - - - - - -	7-8 10 10 9+ 1500 9+ 10	1500 800 600 2000 1500 200 500	95.6 96.4 95.6 96.0 96.8 95.7 94.7	-2 -2 -4 -6 -6 +10 +6	SSW SSW SSE SE SE WNW NNW	1 2 1 2 2 0 3	cf+ cf 2 2 2 f dod	53 52 55 53 55 51 52	92 97 85 92 85 97 97	51 51 51 51 51 51 52	3 4 6 6 7 4 4	5 5 5 5 5 6 6	2 2 2 2 2 2 2	- - - - - - -	4-6 4-6 4-6 7-8 9+ 2-3 9	10 10 10 9+ 2000 10 10	4000 3000 1000 2000 1000 700 200	1 1 0 1 0 1 1	2 2 2 2 2 2 2	cf ofcf ofcf fwbcm fwbcm cmofD cDrDm	cf cf cf cm cm cm cm	effm cmefc cmefc cmefc cmefc cmefc cmefc	cmefc cmefc cmefc cmefc cmefc cmefc cmefc	
2	Shoeburyness Felixstowe Gorleston Mildenhall Cranwell	96.4 94.6 95.1 96.5 97.9	-20 -32 -30 -30 -34	NW NW E NE NE	2 1 2 3 3	for dd r dr for	54 55 56 54 55	97 92 92 97 92	53 54 54 53 53	8 7 8 6 6	2 2 2 2 2	- - - - -	10 10 10 7-8 10	1300 300 700 500 1300	95.7 93.7 93.3 94.1 95.6	+4 0 -2 -8 -10	NNW WN SSW WN NW	2 2 4 3 2	for for for r r	52 53 55 52 51	97 97 97 97 92	51 54 53 52 50	5 5 6 6 4	2 2 2 2 2	- - - - -	10 10 10 7-8 10	1000 300 1600 200 700	1 1 1 1 1	2 3 3 3 3	of of of cmofcc Fecrofcm	of of of of of	of of of of of	of of of of of			
3	Birmingham Upper Heyford	98.0 97.3	-24 -34	E E	2 2	for 2	55 57	85 92	51 50	5 6	5 7	- -	10 2-3	800 2500	95.9 96.0	-12 -10	SE -	2 0	2 2	54 55	85 85	50 50	6 6	6 5	- -	9+ 9+	4000 6000	1 0	2 2	Fcm FFcm	CZ cm	co cm	of of			
4	Ross-on-Wye	97.7	-28	NE	2	for	54	85	50	5	3	-	4-6	800	94.7	-14	E	2	2	55	85	50	6	5	-	9+	6000	0	2	FFcm	cm	cm	of			
5	Hartland Point Bristol Portland Bill Plymouth The Lizard Scilly (St. Mary's) Guernsey	96.5 97.9 98.5 97.3 96.0 95.6 95.6	-24 -30 -26 -22 -26 -18 -18	SSW E E SSW SSE WN C	2 0 2 3 4 2 2	for 2 2 for r r C	55 58 60 56 55 57 57	92 85 85 92 97 92 97	52 54 54 53 53 53 56	7 8 7 8 5 6 8	5 2 2 2 2 2 6	- - - - - - -	7-8 2-3 2-3 2-3 10 10 7-8	1300 1500 4000 2000 800 800 400	93.0 95.3 95.1 93.																					



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below.)
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin.
 In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



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

SECRET

Wednesday 30th September 1942

No. 29532

OBSERVATIONS at 13h. G.M.T. 29th September

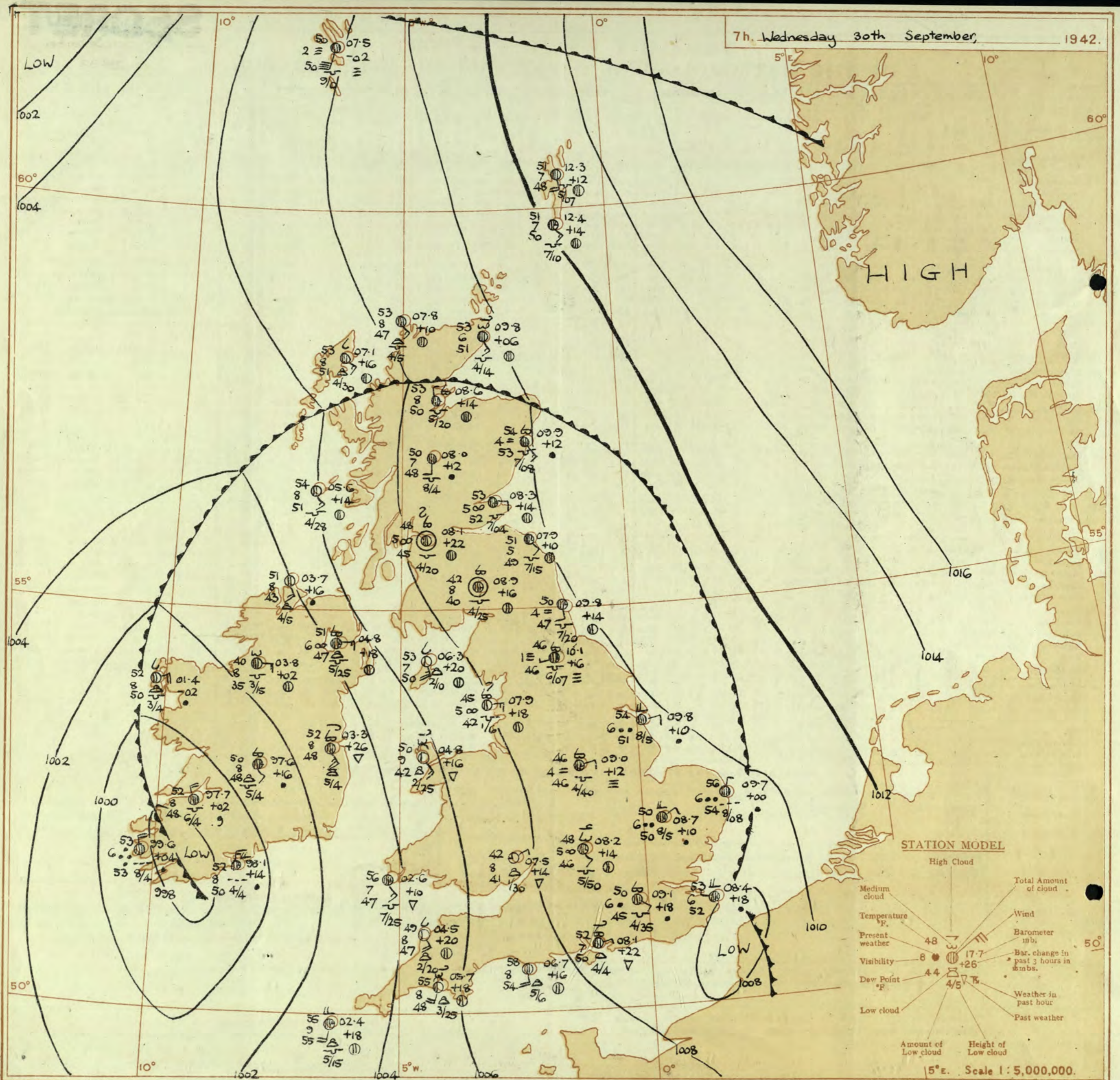
OBSERVATIONS at 18h. G.M.T. 29th September

PAST 24 HOURS.

District.	STATIONS. (For heights see p. 4.)	Barom. at M.S.L. (1)	Change in 3 hours (2)	Wind.		Weather. (5)	Temp. °F. (6)	Humid. % (7)	Dew Point. °F. (8)	Visibility. 0-9 (9)	Cloud.					Barom. at M.S.L. (16)	Change in 3 hours (17)	Wind.		Weather. (20)	Temp. °F. (21)	Humid. % (22)	Dew Point. °F. (23)	Visibility. 0-9 (24)	Cloud.					State of atmosphere. (31)	Sea (32)	WEATHER.									
				Dirac. (3)	Force. (4)						Low. (10)	Med. (11)	High (12)	Low (13)	Total (14)			Height of Base (feet) (15)	Low. (18)						Force (19)	Low. (25)	Med. (26)	High (27)	Low (28)			Total (29)	Height of Base (feet) (30)	7th.—13th. 29th (39)	13th.—18th. 29th (40)	18th.—23rd 30th (41)	23rd.—29th 30th (42)				
1	London (Kew) Croydon S. Farnborough Boscombe Down Thorney Island Lymington Manston	30.4 26.7 33.0 33.2 34.7 33.3 33.0	+6 +6 +10 +8 +8 +10 +10	E/N SE SE SE SE SE S	3 2 3 4 3 4 4	Zo Zo q/t p/t p/t c/t c/t	58 58 57 57 57 58 54	92 92 85 85 85 92 92	53 53 50 50 50 53 51	5 5 6 8 7 7 7	10 7 7 8 8 5 5	11 11 11 11 11 11 11	12 12 12 12 12 12 12	13 13 13 13 13 13 13	14 14 14 14 14 14 14	15 15 15 15 15 15 15	02.1 02.2 01.1 00.6 01.3 03.0 02.8	+40 +44 +40 +40 +46 +30 +28	S/E S S S S S S	2 2 3 3 4 2 1	Zo b-bc bc b-bc b-bc b-bc b-bc	54 55 55 52 55 55 57	88 85 78 85 85 85 85	48 51 46 48 48 50 50	6 6 7 8 8 8 8	4 4 4 4 4 4 4	2 2 2 2 2 2 2	2-3 1-2 2-3 2-3 2-3 2-3 2-3	7-8 1-2 4-6 4-6 4-6 4-6 4-6	2500 1500 2500 2000 2500 4500 1800	1 1 0 0 1 1 1	• • • • • • •	rcgc c/r/r c/r/dm c/r/r c/r/r c/r/r c/r/r	cp,cm c/bc cm,pr,rc c/bc c/r/bc c/r/bc c/bc	cb,cm b/mcm b/bbcm b/bbcm b/bbcm b/bbcm b/bbcm	rc,cm cm,rc cm,rc cm,rc cm,rc cm,rc cm,rc	2	3	4	5	
2	Shoeburyness Felixstowe Gorleston Mildenhall Cranwell	33.1 33.1 33.7 33.6 33.8	+2 +4 -6 +2 +2	SE SE SE SE SE	5 3 5 3 4	c c/t c c c	55 57 58 55 57	85 85 85 92 75	51 51 51 53 50	8 7 5 6 8	5 5 5 6 5	- - 2 2 2	- - - - - - -	10 10 10 10 10	800 2100 1500 800 1200	30.3 01.5 03.1 01.7 00.8	+20 +14 +16 +10 +12	SE S S SE SE	3 2 3 3 4	c c c c c	53 56 58 55 53	92 82 85 82 87	51 52 63 52 52	8 7 8 7 6	3 3 3 3 3	2 2 2 2 2	2-3 4-6 9 2-3 4-6	7-8 2500 1000 2500 2500	1 1 1 1 1	• • • • •	rcgc b/c c/r/r c/r/r c/r/r	cp,cm c/r/r c/r/r c/r/r c/r/r	cb,cm b/mcm b/bbcm b/bbcm b/bbcm	rc,cm cm,rc cm,rc cm,rc cm,rc	2	3	4	5			
3	Birmingham Upper Heyford	30.2 35.4	+4 +6	SE E	3 4	r/o r/o	52 51	92 97	50 50	6 6	6 6	- -	- -	10 10	800 600	30.3 30.3	+20 +42	SE SW	3 4	c c-bc	53 54	92 75	51 46	8 9	- 4	- 6	2 6	2-3 7-8	1500 2000	1 1	• •	rcgc c/r/r	cp,cm c/r/r	cb,cm b/bbcm	rc,cm cm,rc	2	3	4	5		
4	Ross-on-Wye	33.3	0	E	3	Y	52	97	51	5	6	-	-	10	800	30.3	+46	SE	3	bc	51	80	46	8	8	-	8	4-6	4-6	2500	1	•	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5	
5	Hartland Point Bristol Portland Bill Plymouth The Lizard Scilly (St. Mary's) Guernsey	31.0 32.7 32.7 32.9 33.3 34.2 31.6	+4 -4 +12 +16 +18 +12 +4	SW SE SW NW WNW W'S W'S	3 2 3 3 4 4 4	r/y c/t c c c c c	52 58 58 52 54 55 55	92 82 92 85 75 92 92	51 55 54 54 46 53 53	7 8 8 6 8 5 5	8 5 5 5 8 8 8	6 6 5 2 2 2 2	- - - - - - -	10 1500 1500 1000 1500 1500 1500	31.4 00.0 30.9 30.4 30.7 31.2 31.2	+40 +42 +34 +34 +22 +16 +16	SW b-bc SW SW WSW SW	6 2 3 5 5 5 4	tt b-bc c-bc c-bc c-bc c c	52 52 57 55 54 54 54	92 73 85 65 65 65 65	50 43 30 44 43 43 43	8 7 8 8 8 8 8	2 2 2 2 2 2 2	1-6 1-2 7-8 2-3 7-8 7-8 7-8	1500 4000 1000 2500 1500 1500 1500	1 1 1 1 1 1 1	• • • • • • •	rcgc c/r/r c/r/r c/r/r c/r/r c/r/r c/r/r	cp,cm c/r/r c/r/r c/r/r c/r/r c/r/r c/r/r	cb,cm b/bbcm b/bbcm b/bbcm b/bbcm b/bbcm b/bbcm	rc,cm cm,rc cm,rc cm,rc cm,rc cm,rc cm,rc	2	3	4	5					
6	Pembroke	31.6	+4	NE	4	r/o	55	97	54	7	8	6	-	10	1500	32.4	+8	N	2	Y	53	97	52	7	8	-	-	10	10	2500	1	2	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5	
7	Holyhead (Valley)	35.2	+8	NE	3	r/o	55	85	51	6	5	7	-	10	3000	30.2	+4	NE	4	r	54	85	50	6	6	9	-	7-8	94	1200	1	3	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5	
8	Chester (Sealand)	36.7	+6	ENE	2	r	57	75	49	6	6	2	-	10	3000	30.7	+12	ENE	3	Zo	55	85	50	6	5	7	-	9	94	1200	1	•	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5	
10	Manchester	37.1	+2	ENE	5	c	57	75	48	7	1	2	-	2-3	10	2000	30.7	+14	E/N	4	c-bc	55	85	50	6	4	-	9	7-8	7-8	2500	1	•	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
11	Spurn Head	00.6	+10	SE	5	c	58	85	52	7	1	2	-	2-3	94	2500	02.5	+20	SE	5	id	56	92	54	6	5	2	-	7-8	10	1500	1	4	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
12	Catterick	00.4	+6	SE	3	Zo	58	75	51	6	5	3	-	4-6	94	3500	02.2	+16	SE	3	c/t	55	85	50	7	5	7	-	1-6	10	1000	1	•	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
13	Tynemouth	01.3	+16	SE	3	b-bc	56	85	52	7	-	3	0	0	2-3	-	03.3	+12	SE	3	bc	54	97	53	7	5	3	-	4-6	4-6	3500	1	3	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
14	St. Abbs Head	00.6	+14	SE	2	b-bc	56	85	50	8	1	4	-	2-3	2-3	3000	03.3	+22	SE	3	c	53	92	51	6	5	4	-	7-8	9	2000	0	4	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
15	Leuchars	00.3	+20	S	3	Zo	53	65	48	6	1	3	-	1	1	3000	02.8	+20	SE	2	bc	55	85	51	7	-	3	1	0	Tr	-	0	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5	
16	Renfrew (Abbots L.)	00.4	+16	SW	3	bc	61	65	45	8	1	-	-	4-6	1-6	3000	01.9	+12	Zo	56	85	50	6	-	7	2	0	4-6	-	-	-	1	•	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
17	Eskdalemuir	00.2	+12	SE	2	b-bc	58	85	53	8	1	4	1	1	2-3	2500	01.7	+10	E	2	c-bc	53	85	48	6	5	7	-	4-6	7-8	2100	1	•	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
18	Point of Ayre	00.2	+8	E/N	4	c	57	85	51	8	1	4	3	Tr	9	1700	00.4	+4	E/S	4	r/o	57	85	52	7	6	2	-	4-6	10	3000	1	4	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
19A	Tice	00.1	+4	N	4	r/o	64	97	53	7	6	2	-	7-8	10	1200	01.1	+12	SE	1	c	53	97	52	9	5	-	-	9	9	3500	1	3	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
19B	Stornoway	00.1	+2	SE	1	bc	56	92	53	8	2	4	1	2-3	4-6	3000	01.9	+20	SE	3	c-bc	55	92	53	8	5	8	-	2-3	7-8	2000	1	2	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
20	Dalwhinnie	00.9	+8	SE	2	id	51	92	49	6	5	2	-	7-8	10	1500	02.0	+16	SE	2	b-bc	49	85	45	7	8	4	-	1	2-3	2500	1	•	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
21	Aberdeen	00.4	+6	SE	3	Zo	56	92	54	6	5	-	-	10	10	1000	04.6	+30	SE	2	Zo	53	85	50	6	5	4	5	Tr	Tr	1500	1	2	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
22	Wick	01.9	+8	SE	4	Zo	56	85	53	6	-	3	-	0	4-6	-	03.7	+10	SE	2	Zo	53	92	52	5	5	-	-	10	10	600	1	•	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
23	Sumburgh	05.3	0	SE	5	c	54	92	52	6	5	-	-	10	10	600	06.8	+10	E/S	4	c/d	53	97	52	2	5	-	-	1	10	800	1	4	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
24	Blackod Point	00.5	+12	NE	3	c	58	85	54	7	5	-	6	4-6	10	1500	01.9	+10	N/E	4	c	55	92	53	7	5	-	-	10	10	1500	1	3	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
25	Malin Head	00.6	+14	NNE	2	c	56	85	52	8	8	2	-	4-6	94	2500	00.8	+6	N	1	c/d	53	97	52	7	8	2	-	7-8	10	800	1	2	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
26	Aldergrove	00.7	+8	NE	2	c	57	85	53	8	7	1	-	1	9	4000	00.3	+6	NE	2	c	54	85	48	7	5	7	6	4-6	9	1000	1	•	rcgc	cp,cm	cb,cm	rc,cm	2	3	4	5
27	Birr Castle	05.8	+10	NNW	4	c	54	92	52	7	6	2	-	7-8	10	1500	06.1	+16	ENE	2	Y	52	92	50																	

7h. Wednesday 30th September, 1942.

1942.



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

Explanation of Frontal Lines shown on Charts

(The symbols used to indicate fronts are shown below.)
Warm Front. The air mass which moves towards this boundary is normally of tropical or sub-tropical origin, while that which moves away from it is normally of polar, sub-polar or maritime polar origin.
Cold Front. The air mass which moves towards this boundary is normally of polar, etc., origin, while that which moves away from it is of tropical, etc., origin. In certain cases the boundary is not recognisable at the surface, but its existence is deduced from upper air observations. Such boundaries are indicated by special symbols.
Occlusion. The air between the warm and the cold fronts of a depression is of tropical or sub-tropical origin, and is known as the warm sector. The air in front of the warm front and in the rear of the cold front is of polar or maritime polar origin. During the life-history of the depression the warm sector is lifted from the earth's surface, until the cold front has overtaken the warm front. The depression is then said to be occluded, and at the surface the warm and cold fronts coalesce, becoming a single front known as the occluded front or occlusion. Occlusions the structure of which is tending to resemble warm or cold fronts are known as "warm" or "cold" occlusions.
Frontogenesis. A line along which a warm or cold front is in process of formation is known as a line of Frontogenesis. The nature of the development is indicated by the use of the "warm" or "cold" symbols widely spaced along the line.
Frontolysis is said to occur when a front is in process of dissolution.



