10073

METEOROLOGICAL OFFICE.

# DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1896.

# DAILY WEATHER REPORT.

*July to December 1896.*

# DAILY WEATHER REPORT,

## JULY TO DECEMBER, 1896.

### PREFACE.

**The six Tables following give for each Month and the Whole Year, the Means of Pressure, the Means and Extremes of Temperature, and the Mean amounts of Rainfall and Bright Sunshine, with which the current values in the Daily Weather Report may be compared.**

(Issued in Continuation of those Published in 1891.)

TABLE I.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN VALUES OF BAROMETRIC PRESSURE FOR EACH MONTH AND FOR THE WHOLE YEAR—DERIVED FROM OBSERVATIONS MADE AT 8 A.M. DAILY DURING THE 25 YEARS 1871—95.

| STATIONS. | JAN. | FEB. | MAR. | APRIL. | MAY. | JUNE. | JULY. | AUGUST. | SEPT. | OCT. | NOV. | DEC. | ANNUAL | LIMITS OF YEARS OF ACTUAL OBSERVATIONS. | NO. OF YEARS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | | |
| Sumburgh Head | 29·676 | 29·772 | 29·737 | 29·860 | 29·889 | 29·898 | 29·789 | 29·767 | 29·793 | 29·712 | 29·693 | 29·656 | 29·770 | 1872—1895 | 24 |
| Stornoway - | 29·688 | 29·775 | 29·772 | 29·845 | 29·893 | 29·894 | 29·800 | 29·782 | 29·814 | 29·743 | 29·703 | 29·688 | 29·783 | 1873—1895 | 23 |
| Wick - - | 29·715 | 29·800 | 29·781 | 29·866 | 29·907 | 29·916 | 29·813 | 29·798 | 29·831 | 29·747 | 29·728 | 29·699 | 29·800 | 1871—1895 | 25 |
| Nairn - - | 29·744 | 29·315 | 29·802 | 29·868 | 29·912 | 29·917 | 29·817 | 29·803 | 29·843 | 29·763 | 29·743 | 29·727 | 29·813 | ,, ,, ,, | 25 |
| Aberdeen - - | 29·786 | 29·853 | 29·821 | 29·885 | 29·926 | 29·933 | 29·831 | 29·819 | 29·863 | 29·779 | 29·772 | 29·758 | 29·836 | ,, ,, ,, | 25 |
| Leith- - - | 29·821 | 29·873 | 29·849 | 29·887 | 29·936 | 29·943 | 29·846 | 29·835 | 29·887 | 29·805 | 29·798 | 29·797 | 29·856 | ,, ,, ,, | 25 |
| Shields - - | 29·871 | 29·908 | 29·873 | 29·891 | 29·947 | 29·959 | 29·866 | 29·858 | 29·910 | 29·826 | 29·824 | 29·836 | 29·881 | ,, ,, ,, | 25 |
| Spurn Head - | 29·911 | 29·938 | 29·891 | 29·887 | 29·956 | 29·971 | 29·896 | 29·894 | 29·947 | 29·847 | 29·854 | 29·870 | 29·905 | 1880—1895 | 16 |
| York- - - | 29·922 | 29·945 | 29·904 | 29·901 | 29·965 | 29·979 | 29·899 | 29·895 | 29·948 | 29·862 | 29·859 | 29·886 | 29·914 | 1873—1895 | 23 |
| Loughborough - | 29·958 | 29·972 | 29·931 | 29·905 | 29·976 | 29·991 | 29·927 | 29·923 | 29·971 | 29·886 | 29·888 | 29·922 | 29·938 | 1871—1895 | 25 |
| Ardrossan - - | 29·834 | 29·880 | 29·861 | 29·879 | 29·938 | 29·944 | 29·856 | 29·843 | 29·892 | 29·813 | 29·799 | 29·809 | 29·862 | ,, ,, ,, | 25 |
| Malin Head - | 29·795 | 29·844 | 29·842 | 29·855 | 29·918 | 29·934 | 29·851 | 29·830 | 29·869 | 29·798 | 29·755 | 29·768 | 29·838 | 1885—1895 | 11 |
| Belmullet - - | 29·830 | 29·870 | 29·882 | 29·863 | 29·941 | 29·953 | 29·889 | 29·867 | 29·904 | 29·846 | 29·799 | 29·822 | 29·872 | ,, ,, ,, | 11 |
| Donaghadee - | 29·854 | 29·894 | 29·883 | 29·883 | 29·952 | 29·959 | 29·880 | 29·869 | 29·916 | 29·834 | 29·819 | 29·840 | 29·882 | 1873—1895 | 23 |
| Liverpool - - | 29·918 | 29·943 | 29·911 | 29·892 | 29·965 | 29·976 | 29·905 | 29·898 | 29·947 | 29·862 | 29·862 | 29·891 | 29·914 | 1871—1895 | 25 |
| Holyhead - - | 29·897 | 29·923 | 29·906 | 29·880 | 29·961 | 29·976 | 29·909 | 29·898 | 29·941 | 29·854 | 29·845 | 29·876 | 29·906 | ,, ,, ,, | 25 |
| Parsonstown - | 29·895 | 29·915 | 29·925 | 29·883 | 29·963 | 29·981 | 29·914 | 29·908 | 29·948 | 29·877 | 29·852 | 29·891 | 29·913 | 1873—1895 | 23 |
| Valencia - - | 29·894 | 29·917 | 29·929 | 29·871 | 29·967 | 29·984 | 29·937 | 29·921 | 29·961 | 29·879 | 29·867 | 29·900 | 29·919 | 1871—1895 | 25 |
| Roche's Point - | 29·909 | 29·927 | 29·930 | 29·873 | 29·964 | 29·983 | 29·933 | 29·921 | 29·963 | 29·876 | 29·869 | 29·908 | 29·921 | ,, ,, ,, | 25 |
| Pembroke - - | 29·932 | 29·948 | 29·930 | 29·875 | 29·965 | 29·983 | 29·933 | 29·923 | 29·962 | 29·871 | 29·871 | 29·914 | 29·926 | ,, ,, ,, | 25 |
| Scilly - - | 29·960 | 29·964 | 29·946 | 29·872 | 29·975 | 30·002 | 29·969 | 29·958 | 29·982 | 29·892 | 29·898 | 29·950 | 29·947 | ,, ,, ,, | 25 |
| Prawle Point - | 29·991 | 29·996 | 29·960 | 29·890 | 29·988 | 30·010 | 29·977 | 29·968 | 30·004 | 29·910 | 29·917 | 29·970 | 29·965 | 1879—1895 | 17 |
| Jersey - - | 30·012 | 30·016 | 29·965 | 29·893 | 29·992 | 30·019 | 29·998 | 29·987 | 30·003 | 29·913 | 29·937 | 29·993 | 29·977 | 1876—1895 | 20 |
| Hurst Castle - | 29·991 | 29·996 | 29·955 | 29·893 | 29·983 | 30·007 | 29·963 | 29·962 | 30·002 | 29·906 | 29·912 | 29·962 | 29·961 | 1874—1895 | 22 |
| Dover - - | 29·992 | 29·990 | 29·936 | 29·884 | 29·968 | 29·989 | 29·950 | 29·945 | 29·981 | 29·898 | 29·904 | 29·954 | 29·949 | 1871—1895 | 25 |
| London - - | 29·991 | 29·996 | 29·949 | 29·901 | 29·982 | 30·001 | 29·953 | 29·951 | 29·991 | 29·907 | 29·910 | 29·956 | 29·957 | ,, ,, ,, | 25 |
| Oxford - - | 29·987 | 29·994 | 29·951 | 29·907 | 29·984 | 29·996 | 29·943 | 29·944 | 29·985 | 29·906 | 29·908 | 29·956 | 29·955 | ,, ,, ,, | 25 |
| Cambridge - | 29·979 | 29·987 | 29·941 | 29·904 | 29·978 | 29·994 | 29·934 | 29·933 | 29·979 | 29·895 | 29·901 | 29·941 | 29·947 | 1873—1895 | 23 |
| Yarmouth - - | 29·960 | 29·967 | 29·916 | 29·894 | 29·966 | 29·983 | 29·923 | 29·920 | 29·959 | 29·874 | 29·879 | 29·915 | 29·930 | 1871—1895 | 25 |

NOTE.—When the records available have not extended over the whole of the period 1871—95 the following rules have been observed for purposes of interpolation :—

(1) Where the observations available have not covered a period of eleven years or more they have been rejected.

(2) When the observations have covered a period of eleven years, or more, the means have been reduced to their approximate values for the whole period by comparison with the values at adjacent stations.

At the North Foreland the observations are insufficient in point of duration to furnish averages of any great value.

TABLE II.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN MONTH AND FOR THE WHOLE YEAR, DERIVED FROM

| STATIONS. | JANUARY. | | FEBRUARY. | | MARCH. | | APRIL. | | MAY. | | JUNE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dry. | Wet. | Dry. | Wet. | Dry. | Wet. | Dry. | Wet. | Dry. | Wet. | Dry. | Wet. |
| | o | o | o | o | o | o | o | o | o | o | o | o |
| Sumburgh Head | 39·4 | 38·0 | 38·6 | 37·2 | 38·5 | 37·0 | 42·1 | 40·4 | 46·1 | 44·1 | 50·5 | 48·7 |
| Stornoway | 39·1 | 38·2 | 38·9 | 38·0 | 39·2 | 38·2 | 43·8 | 42·3 | 48·4 | 46·5 | 53·4 | 51·4 |
| Wick | 37·9 | 36·6 | 37·7 | 36·4 | 38·9 | 37·2 | 43·3 | 41·3 | 48·1 | 45·7 | 53·4 | 50·8 |
| Nairn | 36·9 | 35·4 | 36·7 | 35·1 | 37·9 | 36·2 | 43·0 | 40·7 | 48·8 | 45·7 | 54·4 | 51·0 |
| Aberdeen | 36·9 | 35·2 | 36·9 | 35·2 | 38·6 | 36·5 | 43·5 | 40·8 | 48·9 | 45·4 | 54·8 | 50·8 |
| Leith | 38·2 | 36·7 | 38·1 | 36·7 | 39·3 | 37·6 | 44·2 | 41·8 | 50·1 | 46·7 | 55·9 | 52·3 |
| Shields | 37·7 | 36·5 | 38·3 | 36·9 | 39·3 | 37·7 | 43·6 | 41·4 | 49·0 | 46·0 | 54·9 | 51·8 |
| Spurn Head | 37·3 | 36·3 | 38·1 | 37·2 | 39·7 | 38·3 | 44·1 | 42·4 | 49·4 | 47·3 | 55·3 | 52·8 |
| York | 36·2 | 35·2 | 37·0 | 36·0 | 38·5 | 36·9 | 43·7 | 41·6 | 49·9 | 46·8 | 56·1 | 52·7 |
| Loughborough | 35·8 | 34·8 | 36·7 | 35·5 | 38·6 | 36·9 | 44·1 | 41·8 | 51·0 | 47·6 | 57·7 | 53·8 |
| Ardrossan | 39·5 | 38·4 | 39·2 | 38·0 | 40·1 | 38·6 | 44·6 | 42·4 | 49·8 | 47·0 | 55·3 | 52·3 |
| Malin Head | 40·6 | 39·0 | 41·0 | 39·5 | 41·0 | 39·3 | 44·2 | 42·2 | 48·7 | 46·3 | 53·6 | 51·2 |
| Belmullet | 42·3 | 41·0 | 42·3 | 40·7 | 43·2 | 41·4 | 46·5 | 44·3 | 51·0 | 48·2 | 56·2 | 53·2 |
| Donaghadee | 39·7 | 38·9 | 40·0 | 39·1 | 40·7 | 39·5 | 44·8 | 43·1 | 49·7 | 47·6 | 55·1 | 53·0 |
| Liverpool | 38·1 | 36·5 | 38·5 | 37·0 | 40·2 | 38·1 | 45·2 | 42·2 | 50·9 | 47·0 | 57·0 | 52·8 |
| Holyhead | 41·3 | 40·0 | 41·1 | 39·8 | 42·0 | 40·5 | 46·0 | 44·0 | 50·6 | 48·1 | 55·9 | 53·4 |
| Parsonstown | 38·3 | 37·3 | 39·1 | 37·8 | 40·1 | 38·6 | 45·1 | 42·7 | 51·0 | 47·9 | 56·2 | 52·9 |
| Valencia | 44·0 | 42·7 | 44·3 | 42·6 | 44·8 | 42·8 | 48·4 | 45·9 | 52·9 | 49·7 | 57·4 | 54·5 |
| Roche's Point | 42·7 | 41·4 | 43·0 | 41·4 | 43·3 | 41·5 | 47·0 | 44·7 | 51·8 | 49·0 | 57·0 | 53·8 |
| Pembroke | 42·2 | 40·8 | 41·8 | 40·5 | 42·1 | 40·4 | 45·4 | 43·7 | 50·0 | 47·9 | 55·4 | 53·4 |
| Scilly | 46·0 | 44·4 | 45·7 | 44·1 | 46·0 | 44·1 | 48·8 | 46·8 | 52·7 | 50·4 | 57·5 | 55·3 |
| Prawle Point | 41·3 | 40·3 | 41·2 | 40·2 | 42·7 | 41·2 | 46·6 | 44·9 | 51·7 | 49·5 | 57·1 | 54·7 |
| Jersey | 41·5 | 40·0 | 42·0 | 40·6 | 44·0 | 41·9 | 48·8 | 46·1 | 53·8 | 50·6 | 59·0 | 55·9 |
| Hurst Castle | 39·6 | 38·8 | 39·8 | 38·8 | 41·0 | 39·9 | 45·8 | 44·4 | 51·9 | 50·1 | 57·9 | 55·7 |
| Dover | 38·4 | 37·4 | 38·8 | 37·7 | 40·6 | 39·2 | 46·4 | 44·1 | 52·5 | 49·4 | 58·2 | 55·0 |
| London | 37·1 | 36·0 | 38·1 | 36·8 | 40·0 | 38·1 | 46·2 | 43·2 | 52·7 | 48·6 | 58·9 | 54·6 |
| Oxford | 36·4 | 35·4 | 37·3 | 36·1 | 38·7 | 37·2 | 44·4 | 42·1 | 50·8 | 47·6 | 56·8 | 53·3 |
| Cambridge | 35·6 | 34·8 | 36·7 | 35·7 | 38·8 | 37·4 | 45·7 | 43·0 | 51·9 | 48·6 | 58·1 | 54·7 |
| Yarmouth | 37·0 | 36·1 | 37·8 | 36·9 | 40·1 | 38·5 | 44·7 | 43·0 | 50·6 | 48·1 | 56·8 | 54·0 |

NOTE.—When the records available have not extended over the whole of the period 1871 to 1895, the

(1) Where the observations available have not covered a period of eleven years or more they have

(2) When the observations have covered a period of eleven years or more the means have been

At the North Foreland the observations are

VALUES OF THE DRY BULB AND WET BULB TEMPERATURES FOR EACH

OBSERVATIONS MADE AT 8 A.M. DAILY DURING THE 25 YEARS 1871-95.

| JULY. | | AUGUST. | | SEPTEMBER. | | OCTOBER. | | NOVEMBER. | | DECEMBER. | | ANNUALS. | | LIMITS OF YEARS OF ACTUAL OBSERVATIONS. | NUMBER OF YEARS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry. | Wet. | Dry. | Wet. | Dry. | Wet. | Dry. | Wet. | Dry. | Wet. | Dry. | Wet. | Dry. | Wet. | | |
| o | o | o | o | o | o | o | o | o | o | o | o | o | o | | |
| 53·3 | 51·7 | 53·4 | 51·8 | 50·8 | 49·1 | 45·9 | 44·2 | 42·3 | 40·6 | 39·8 | 38·3 | 45·1 | 43·4 | 1871—1895 | 25 |
| 55·4 | 53·7 | 55·0 | 53·5 | 51·5 | 50·2 | 45·4 | 44·3 | 42·0 | 41·0 | 39·6 | 38·7 | 46·0 | 44·7 | ,, ,, ,, | 25 |
| 55·8 | 53·6 | 55·3 | 53·4 | 52·0 | 50·1 | 46·1 | 44·5 | 41·6 | 40·1 | 38·3 | 37·1 | 45·7 | 43·9 | ,, ,, ,, | 25 |
| 56·7 | 53·4 | 55·7 | 53·0 | 51·5 | 49·1 | 44·5 | 42·6 | 40·0 | 38·4 | 37·2 | 35·7 | 45·3 | 43·0 | ,, ,, ,, | 25 |
| 57·4 | 53·7 | 56·6 | 53·5 | 52·3 | 49·8 | 45·4 | 43·4 | 40·7 | 38·9 | 37·0 | 35·3 | 45·8 | 43·2 | ,, ,, ,, | 25 |
| 58·3 | 54·7 | 57·6 | 54·4 | 53·3 | 50·8 | 46·4 | 44·5 | 41·8 | 40·1 | 38·7 | 37·2 | 46·8 | 44·5 | ,, ,, ,, | 25 |
| 58·1 | 54·9 | 57·3 | 54·6 | 53·2 | 51·0 | 46·9 | 45·1 | 42·4 | 40·8 | 38·4 | 37·0 | 46·6 | 44·5 | ,, ,, ,, | 25 |
| 59·4 | 56·6 | 58·9 | 56·6 | 55·6 | 53·8 | 48·8 | 47·3 | 43·5 | 42·2 | 38·9 | 37·8 | 47·4 | 45·7 | 1880—1895 | 16 |
| 59·1 | 55·8 | 57·8 | 55·1 | 52·9 | 51·0 | 45·6 | 44·2 | 40·9 | 39·7 | 36·6 | 35·6 | 46·2 | 44·2 | 1873—1895 | 23 |
| 60·9 | 57·2 | 59·2 | 56·3 | 53·6 | 51·9 | 45·6 | 44·3 | 40·7 | 39·5 | 36·4 | 35·4 | 46·7 | 44·6 | ,, ,, ,, | 23 |
| 57·3 | 54·7 | 57·3 | 55·0 | 53·7 | 51·6 | 47·6 | 45·7 | 43·3 | 41·6 | 40·3 | 39·1 | 47·3 | 45·4 | 1871—1895 | 25 |
| 55·9 | 53·7 | 56·1 | 53·9 | 53·5 | 51·1 | 48·2 | 46·1 | 43·9 | 42·0 | 41·3 | 39·6 | 47·3 | 45·3 | 1885—1895 | 11 |
| 57·5 | 54·9 | 57·8 | 55·2 | 55·1 | 52·7 | 49·4 | 46·4 | 45·3 | 43·3 | 42·8 | 40·9 | 49·1 | 46·9 | ,, ,, ,, | 11 |
| 57·3 | 55·4 | 56·9 | 55·4 | 53·6 | 52·4 | 47·6 | 46·3 | 43·4 | 42·3 | 40·4 | 39·5 | 47·4 | 46·0 | 1873—1895 | 23 |
| 59·3 | 55·4 | 58·6 | 55·3 | 54·7 | 52·0 | 47·6 | 45·5 | 42·7 | 40·9 | 39·0 | 37·3 | 47·7 | 45·0 | 1871—1895 | 25 |
| 58·1 | 55·8 | 58·4 | 56·2 | 55·8 | 53·6 | 50·1 | 48·0 | 45·9 | 44·2 | 42·8 | 41·2 | 49·0 | 47·1 | ,, ,, ,, | 25 |
| 57·9 | 54·8 | 57·2 | 55·1 | 52·8 | 50·9 | 45·5 | 43·9 | 41·8 | 40·3 | 38·3 | 37·0 | 46·9 | 44·9 | 1873—1895 | 23 |
| 59·0 | 56·4 | 59·3 | 56·9 | 56·4 | 54·1 | 51·0 | 48·8 | 47·4 | 45·5 | 45·0 | 42·9 | 50·8 | 48·6 | 1871—1895 | 25 |
| 58·8 | 55·9 | 58·8 | 56·3 | 55·6 | 53·4 | 49·9 | 48·1 | 46·2 | 44·6 | 43·5 | 42·1 | 49·8 | 47·7 | ,, ,, ,, | 25 |
| 57·9 | 55·9 | 58·6 | 56·6 | 56·2 | 54·0 | 51·0 | 49·1 | 47·1 | 45·4 | 43·9 | 42·6 | 49·3 | 47·5 | ,, ,, ,, | 25 |
| 60·2 | 58·1 | 60·9 | 58·8 | 58·5 | 56·4 | 53·6 | 51·5 | 50·1 | 48·1 | 47·4 | 45·5 | 52·3 | 50·3 | ,, ,, ,, | 25 |
| 59·5 | 57·2 | 60·0 | 57·9 | 57·2 | 55·3 | 51·0 | 49·4 | 46·4 | 44·9 | 42·8 | 41·4 | 49·8 | 48·1 | 1879—1895 | 17 |
| 62·0 | 58·9 | 63·0 | 59·7 | 60·2 | 57·2 | 53·3 | 50·6 | 48·0 | 46·0 | 43·5 | 41·7 | 51·6 | 49·1 | 1871—1895 | 25 |
| 61·1 | 58·8 | 61·2 | 59·0 | 57·3 | 55·7 | 50·7 | 49·1 | 45·3 | 44·3 | 40·9 | 40·1 | 49·4 | 47·9 | 1874—1895 | 22 |
| 61·7 | 58·4 | 61·9 | 58·7 | 57·9 | 55·5 | 50·2 | 48·4 | 44·7 | 43·3 | 40·0 | 38·9 | 49·3 | 47·2 | 1871—1895 | 25 |
| 61·8 | 57·6 | 60·9 | 57·3 | 55·8 | 53·4 | 47·5 | 45·9 | 42·5 | 41·1 | 38·0 | 36·8 | 48·3 | 45·8 | ,, ,, ,, | 25 |
| 59·8 | 56·4 | 58·8 | 55·9 | 53·9 | 52·0 | 46·0 | 44·7 | 41·4 | 40·2 | 37·1 | 36·0 | 46·8 | 44·7 | ,, ,, ,, | 25 |
| 61·1 | 57·6 | 59·9 | 57·1 | 54·6 | 52·9 | 46·3 | 45·3 | 41·0 | 40·1 | 36·4 | 35·6 | 47·2 | 45·2 | 1873—1895 | 23 |
| 60·7 | 57·6 | 60·5 | 57·5 | 56·4 | 54·4 | 49·1 | 47·6 | 43·4 | 42·2 | 38·1 | 37·1 | 47·9 | 46·1 | 1871—1895 | 25 |

following rules have been observed for purposes of interpolation :—

been rejected.

reduced to their approximate values for the whole period by comparison with the values at adjacent and similarly exposed stations having a complete record.

insufficient in point of duration to furnish averages of any great value.

TABLE III.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN VALUES OF THE DAILY

FOR EACH MONTH AND FOR THE WHOLE YEAR—DERIVED

| STATIONS. | JANUARY. | | | FEBRUARY. | | | MARCH. | | | APRIL. | | | MAY. | | | JUNE. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Mean. | Max. | Min. | Mean. | Max. | Min. | Mean. | Max. | Min. | Mean. | Max. | Min. | Mean. | Max. | Min. | Mean. |
| | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° |
| Sumburgh Head | 42·5 | 35·2 | 38·9 | 42·2 | 34·4 | 38·3 | 42·8 | 34·0 | 38·4 | 46·2 | 36·9 | 41·6 | 50·3 | 40·3 | 45·3 | 54·6 | 45·0 | 49·8 |
| Stornoway | 42·9 | 34·0 | 38·5 | 43·6 | 34·2 | 38·9 | 44·9 | 34·2 | 39·6 | 49·2 | 37·1 | 43·2 | 53·5 | 41·0 | 47·3 | 58·2 | 46·0 | 52·1 |
| Wick | 42·0 | 32·9 | 37·5 | 42·9 | 32·9 | 37·9 | 44·9 | 33·8 | 39·4 | 49·3 | 37·0 | 43·2 | 53·9 | 40·7 | 47·3 | 58·9 | 45·5 | 52·2 |
| Nairn | 42·0 | 32·2 | 37·1 | 43·4 | 32·5 | 38·0 | 45·9 | 33·4 | 39·7 | 51·4 | 36·9 | 44·2 | 56·6 | 41·9 | 49·3 | 62·3 | 47·3 | 54·8 |
| Aberdeen | 42·0 | 32·8 | 37·4 | 43·1 | 33·3 | 38·2 | 45·7 | 34·3 | 40·0 | 49·6 | 38·0 | 43·8 | 54·9 | 41·9 | 48·4 | 61·0 | 47·2 | 54·1 |
| Leith | 43·9 | 33·3 | 38·6 | 45·5 | 33·9 | 39·7 | 48·0 | 34·4 | 41·2 | 52·2 | 37·9 | 45·1 | 57·8 | 42·4 | 50·1 | 63·9 | 48·0 | 56·0 |
| Shields | 42·7 | 33·5 | 38·1 | 43·9 | 34·4 | 39·2 | 46·2 | 34·8 | 40·5 | 49·3 | 38·4 | 43·9 | 54·5 | 42·7 | 48·6 | 60·6 | 48·5 | 54·6 |
| Spurn Head | 41·2 | 34·0 | 37·6 | 42·2 | 35·4 | 38·8 | 44·8 | 36·4 | 40·6 | 48·6 | 40·2 | 44·4 | 54·3 | 45·0 | 49·7 | 60·3 | 51·1 | 55·7 |
| York | 42·2 | 31·9 | 37·1 | 44·4 | 33·2 | 38·8 | 48·4 | 33·8 | 41·1 | 54·0 | 37·5 | 45·8 | 59·9 | 42·3 | 51·1 | 66·2 | 48·4 | 57·3 |
| Loughborough | 42·5 | 31·7 | 37·1 | 45·2 | 33·0 | 39·1 | 49·8 | 33·8 | 41·8 | 55·7 | 37·7 | 46·7 | 61·9 | 42·6 | 52·3 | 68·6 | 48·8 | 58·7 |
| Ardrossan | 43·7 | 35·7 | 39·7 | 44·4 | 35·9 | 40·2 | 46·4 | 36·1 | 41·3 | 51·7 | 39·4 | 45·6 | 56·6 | 43·9 | 50·3 | 62·1 | 49·4 | 55·8 |
| Malin Head | 45·0 | 37·6 | 41·3 | 45·5 | 38·3 | 41·9 | 46·5 | 38·5 | 42·5 | 50·1 | 41·7 | 45·9 | 54·3 | 45·5 | 49·9 | 59·0 | 50·8 | 54·9 |
| Belmullet | 46·4 | 38·7 | 42·6 | 47·2 | 38·8 | 43·0 | 48·4 | 39·3 | 43·9 | 52·2 | 42·7 | 47·5 | 55·7 | 46·3 | 51·0 | 60·8 | 51·4 | 56·1 |
| Donaghadee | 44·2 | 35·8 | 40·0 | 45·5 | 36·6 | 41·1 | 47·3 | 37·1 | 42·2 | 51·2 | 40·5 | 45·9 | 56·1 | 44·6 | 50 4 | 61·5 | 49·7 | 55·6 |
| Liverpool | 43·0 | 34·7 | 38·9 | 44·3 | 35·7 | 40·0 | 47·2 | 36·7 | 42·0 | 53·0 | 40·4 | 46·7 | 58·2 | 45·1 | 51·7 | 64·0 | 51·1 | 57·6 |
| Holyhead | 45·1 | 38·2 | 41·7 | 45·4 | 38·3 | 41·9 | 47·4 | 38·8 | 43·1 | 51·7 | 42·0 | 46·9 | 56·3 | 46·1 | 51·2 | 61·7 | 51·3 | 56·5 |
| Parsonstown | 45·0 | 33·6 | 39·3 | 46·8 | 35·1 | 41·0 | 49·9 | 34·9 | 42·4 | 54·9 | 38·2 | 46·6 | 59·7 | 42·8 | 51·3 | 64·9 | 48·5 | 56·7 |
| Valencia | 49·0 | 39·8 | 44·4 | 49·5 | 40·3 | 44·9 | 51·0 | 40·3 | 45·7 | 54·3 | 43·0 | 48·7 | 58·1 | 46·5 | 52·3 | 62·5 | 51·2 | 56·9 |
| Roche's Point | 47·3 | 38·9 | 43·1 | 48·2 | 39·4 | 43·8 | 49·7 | 39·5 | 44·6 | 53·8 | 42·4 | 48·1 | 58·7 | 46·3 | 52·5 | 64·3 | 51·3 | 57·8 |
| Pembroke | 45·1 | 39·0 | 42·1 | 45·3 | 39·0 | 42·2 | 46·6 | 39·0 | 42·8 | 50·7 | 42·0 | 46·4 | 55·1 | 46·0 | 50·6 | 60·5 | 51·6 | 56·1 |
| Scilly | 48·5 | 42·3 | 45·4 | 48·6 | 42·4 | 45·5 | 49·5 | 42·3 | 45·9 | 52·3 | 44·9 | 48·6 | 56·4 | 48·3 | 52·4 | 61·5 | 53·2 | 57·4 |
| Prawle Point | 45·7 | 37·0 | 41·4 | 46·6 | 37·8 | 42·2 | 48·2 | 37·7 | 43·0 | 52·3 | 41·1 | 46 7 | 56·9 | 45·4 | 51·2 | 61·7 | 50·7 | 56·2 |
| Jersey | 45·6 | 37·9 | 41·8 | 46·8 | 38·8 | 42·8 | 49·7 | 39·8 | 44·8 | 54·7 | 43·7 | 49·2 | 59·7 | 47·4 | 53·6 | 64·9 | 52·8 | 58·9 |
| Hurst Castle | 44·4 | 35·6 | 40·0 | 45·4 | 36·3 | 40·9 | 47·9 | 37·1 | 42·5 | 52·8 | 41·3 | 47·1 | 59·0 | 45·9 | 52·5 | 64·6 | 52·0 | 58·3 |
| Dover | 42·9 | 34·7 | 38·8 | 44·2 | 35·5 | 39·9 | 46·5 | 36·6 | 41·6 | 51·4 | 41·4 | 46·4 | 57·2 | 46·4 | 51·8 | 63·0 | 52·3 | 57·7 |
| London | 43·4 | 33·2 | 38·3 | 45·5 | 34·5 | 40·0 | 50·1 | 35·2 | 42·7 | 56·6 | 39·8 | 48·2 | 62·6 | 44·5 | 53·6 | 69·2 | 50·6 | 59·9 |
| Oxford | 42·5 | 32·9 | 37·7 | 44·9 | 34·2 | 39·6 | 49·3 | 34·5 | 41·9 | 55·2 | 38·8 | 47·0 | 61·0 | 43·5 | 52·3 | 67·1 | 49·9 | 58·5 |
| Cambridge | 42·7 | 30·9 | 36·8 | 45·5 | 32·1 | 38·8 | 50·6 | 32·9 | 41·8 | 56·7 | 37·1 | 46·9 | 62·4 | 42·1 | 52·3 | 68·8 | 48·4 | 58·6 |
| Yarmouth | 40·9 | 33·0 | 37·0 | 42·3 | 34·0 | 38·2 | 45·2 | 35·3 | 40·3 | 49·2 | 40·0 | 44·6 | 55·3 | 44·8 | 50·1 | 61·9 | 51·0 | 56·5 |

NOTE:—When the records available have not extended over the whole of the period 1871-95, the

(1) Where the observations available have not covered a period of eleven years or more, they have

(2) When the observations have covered a period of eleven years or more, the means have been

At the North Foreland the observations

# MAXIMUM AND MINIMUM TEMPERATURES, AND OF THE MAXIMUM AND MINIMUM COMBINED, FROM OBSERVATIONS EXTENDING OVER THE 25 YEARS 1871—1895.

| JULY. | | | AUGUST. | | | SEPTEMBER. | | | OCTOBER. | | | NOVEMBER. | | | DECEMBER. | | | ANNUALS. | | | Limits of Years of Actual Observations. | Number of Years. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Max. | Min. | Mean. | Max. | Min. | Mean. | Max. | Min. | Mean. | Max. | Min. | Mean. | Max. | Min. | Mean. | Max. | Min. | Mean. | Max. | Min. | Mean. | | |
| ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | | |
| 57·5 | 48·3 | 52·9 | 57·7 | 48·5 | 53·1 | 55·0 | 46·1 | 50·6 | 49·7 | 41·6 | 45·7 | 45·8 | 38·2 | 42·0 | 42·8 | 35·5 | 39·2 | 48·9 | 40·3 | 44·6 | 1871—1895 | 25 |
| 60·2 | 49·0 | 54·6 | 59·8 | 49·1 | 54·5 | 56·5 | 45·8 | 51·2 | 50·8 | 40·3 | 45·6 | 46·4 | 37·1 | 41·8 | 43·3 | 34·4 | 38·9 | 50·8 | 40·2 | 45·5 | ,, ,, ,, | 25 |
| 61·6 | 48·9 | 55·3 | 61·2 | 48·6 | 54·9 | 57·8 | 45·7 | 51·8 | 51·6 | 40·4 | 46·0 | 46·2 | 36·4 | 41·3 | 42·4 | 33·0 | 37·7 | 51·1 | 39·7 | 45·4 | 1872—1895 | 24 |
| 64·3 | 50·6 | 57·5 | 63·6 | 50·1 | 56·9 | 59·5 | 46·2 | 52·9 | 51·9 | 40·0 | 46·0 | 45·7 | 35·5 | 40·6 | 42·2 | 32·4 | 37·3 | 52·4 | 39·9 | 46·2 | 1871—1895 | 25 |
| 63·6 | 50·7 | 57·2 | 63·1 | 50·2 | 56·7 | 59·3 | 46·6 | 53·0 | 52·3 | 41·1 | 46·7 | 46·3 | 36·7 | 41·5 | 42·0 | 32·8 | 37·4 | 51·9 | 40·5 | 46·2 | ,, ,, ,, | 25 |
| 66·4 | 51·2 | 58·8 | 65·8 | 51·3 | 58·6 | 62·0 | 47·5 | 54·8 | 54·5 | 41·4 | 48·0 | 48·2 | 37·1 | 42·7 | 44·1 | 33·7 | 38·9 | 54·4 | 41·0 | 47·7 | ,, ,, ,, | 25 |
| 63·9 | 51·9 | 57·9 | 63·9 | 51·7 | 57·8 | 60·1 | 48·2 | 54·2 | 53·2 | 42·2 | 47·7 | 47·6 | 38·0 | 42·8 | 43·1 | 33·9 | 38·5 | 52·4 | 41·5 | 47·0 | ,, ,, ,, | 25 |
| 64·8 | 54·9 | 59·9 | 64·4 | 54·9 | 59·7 | 60·7 | 52·5 | 56·6 | 53·3 | 45·5 | 49·4 | 47·1 | 40·4 | 43·8 | 42·6 | 35·4 | 39·0 | 52·0 | 43·8 | 47·9 | 1880—1895 | 16 |
| 68·5 | 51·8 | 60·2 | 67·8 | 51·4 | 59·6 | 63·2 | 47·5 | 55·4 | 54·4 | 41·0 | 47·7 | 47·7 | 36·6 | 42·2 | 42·5 | 32·4 | 37·5 | 54·9 | 40·7 | 47·8 | 1871—1895 | 25 |
| 71·1 | 52·5 | 61·8 | 70·3 | 52·0 | 61·2 | 65·4 | 47·6 | 56·5 | 55·6 | 40·9 | 48·3 | 48·4 | 36·7 | 42·6 | 43·0 | 32·3 | 37·7 | 56·5 | 40·8 | 48·7 | ,, ,, ,, | 25 |
| 63·5 | 52·7 | 58·1 | 63·4 | 52·8 | 58·1 | 59·7 | 49·4 | 54·6 | 53·5 | 43·4 | 48·5 | 47·9 | 39·2 | 43·6 | 44·7 | 36·2 | 40·5 | 53·1 | 42·8 | 48·0 | 1872—1895 | 24 |
| 60·9 | 53·5 | 57·2 | 61·7 | 54·0 | 57·9 | 58·4 | 51·1 | 54·8 | 52·4 | 45·6 | 49·0 | 48·0 | 40·9 | 44·5 | 45·2 | 38·1 | 41·7 | 52·3 | 44·6 | 48·5 | 1885—1895 | 11 |
| 62·2 | 53·8 | 58·0 | 62·5 | 54·1 | 58·3 | 59·6 | 51·6 | 55·6 | 53·9 | 46·0 | 50·0 | 49·4 | 41·5 | 45·5 | 46·9 | 39·0 | 43·0 | 53·8 | 45·3 | 49·6 | ,, ,, ,, | 11 |
| 63·2 | 52·2 | 57·7 | 62·5 | 52·6 | 57·6 | 60·0 | 49·4 | 54·7 | 53·6 | 43·3 | 48·5 | 48·5 | 39·4 | 44·0 | 45·8 | 36·3 | 41·1 | 53·3 | 43·1 | 48·2 | 1873—1895 | 23 |
| 65·9 | 54·1 | 60·0 | 65·6 | 54·3 | 60·0 | 61·5 | 50·9 | 56·2 | 63·7 | 44·5 | 49·1 | 48·0 | 39·7 | 43·9 | 43·8 | 35·7 | 39·8 | 54·0 | 43·6 | 48·8 | 1871—1895 | 25 |
| 63·7 | 54·2 | 59·0 | 64·0 | 54·7 | 59·4 | 60·8 | 52·5 | 56·7 | 54·6 | 47·0 | 50·8 | 49·8 | 42·9 | 46·4 | 46·5 | 39·2 | 42·9 | 53·9 | 45·4 | 49·7 | 1872—1895 | 24 |
| 66·2 | 51·4 | 58·8 | 65·7 | 51·5 | 58·6 | 61·7 | 47·2 | 54·5 | 54·6 | 40·4 | 47·5 | 49·1 | 37·0 | 43·1 | 45·1 | 33·5 | 39·3 | 55·3 | 41·2 | 48·3 | ,, ,, ,, | 24 |
| 63·9 | 53·6 | 58·8 | 64·4 | 54·2 | 59·3 | 61·8 | 51·3 | 56·6 | 56·3 | 46·3 | 51·3 | 52·3 | 42·9 | 47·6 | 49·9 | 40·4 | 45·2 | 56·1 | 45·8 | 51·0 | 1871—1895 | 25 |
| 65·8 | 53·3 | 59·6 | 65·7 | 53·9 | 59·8 | 61·7 | 51·0 | 56·4 | 55·7 | 45·8 | 50·8 | 51·2 | 42·0 | 46·6 | 48·2 | 39·4 | 43·8 | 55·9 | 45·3 | 50·6 | 1872—1895 | 24 |
| 62·4 | 54·8 | 58·6 | 63·0 | 55·6 | 59·3 | 60·3 | 53·1 | 56·7 | 54·7 | 47·8 | 51·3 | 50·3 | 43·6 | 47·0 | 47·0 | 40·5 | 43·8 | 53·4 | 46·0 | 49·7 | ,, ,, ,, | 24 |
| 64·4 | 56·2 | 60·3 | 64·9 | 56·9 | 60·9 | 62·0 | 54·8 | 58·4 | 56·6 | 50·0 | 53·3 | 52·6 | 46·6 | 49·6 | 49·8 | 43·6 | 46·7 | 55·6 | 48·5 | 52·1 | 1871—1895 | 25 |
| 64·4 | 53·8 | 59·1 | 65·1 | 54·5 | 59·8 | 62·5 | 52·3 | 57·4 | 56·5 | 46·1 | 51·3 | 51·2 | 42·1 | 46·7 | 47·3 | 38·5 | 42·9 | 54·9 | 44·8 | 49·9 | 1879—1895 | 17 |
| 68·2 | 56·3 | 62·3 | 68·8 | 57·2 | 63·0 | 65·8 | 54·9 | 60·4 | 58·3 | 48·7 | 53·5 | 52·3 | 44·3 | 48·3 | 47·7 | 39·7 | 43·7 | 56·9 | 46·8 | 51·9 | 1871—1895 | 25 |
| 67·7 | 55·5 | 61·6 | 68·1 | 56·0 | 62·1 | 64·6 | 52·3 | 58·5 | 57·1 | 45·8 | 51·5 | 50·7 | 41·0 | 45·9 | 45·9 | 36·7 | 41·3 | 55·7 | 44·6 | 50·2 | 1874—1895 | 22 |
| 66·7 | 56·0 | 61·4 | 67·3 | 56·6 | 62·0 | 63·7 | 53·2 | 58·5 | 56·3 | 46·1 | 51·2 | 49·7 | 40·9 | 45·3 | 44·7 | 35·9 | 40·3 | 54·5 | 44·6 | 49·6 | 1872—1895 | 24 |
| 72·0 | 54·0 | 63·0 | 71·6 | 53·5 | 62·6 | 66·5 | 49·6 | 58·1 | 56·6 | 42·7 | 49·7 | 49·6 | 38·3 | 44·0 | 44·3 | 34·0 | 39·2 | 57·3 | 42·5 | 49·9 | 1871—1895 | 25 |
| 69·4 | 53·3 | 61·4 | 69·1 | 53·0 | 61·1 | 64·3 | 48·8 | 56·6 | 55·4 | 42·0 | 48·7 | 48·5 | 37·7 | 43·1 | 43·2 | 33·6 | 38·4 | 55·8 | 41·9 | 48·8 | ,, ,, ,, | 25 |
| 71·6 | 52·1 | 61·9 | 71·1 | 51·9 | 61·5 | 66·0 | 47·9 | 57·0 | 56·4 | 40·9 | 48·7 | 48·9 | 36·0 | 42·5 | 43·2 | 31·6 | 37·4 | 57·0 | 40·3 | 48·7 | ,, ,, ,, | 25 |
| 66·2 | 54·8 | 60·5 | 66·3 | 54·7 | 60·5 | 62·3 | 51·3 | 56·8 | 54·3 | 44·6 | 49·5 | 47·7 | 39·2 | 43·5 | 42·2 | 33·8 | 38·0 | 52·8 | 43·0 | 47·9 | 1872—1895 | 24 |

following rules have been observed for purposes of interpolation :—

been rejected.

reduced to their approximate value for the whole period by comparison with the values at adjacent and similarly exposed Stations having a complete record.

are insufficient in point of duration to furnish averages of any great value.

TABLE V.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN RAINFALL FOR EACH MONTH AND FOR THE WHOLE YEAR—DERIVED FROM OBSERVATIONS EXTENDING OVER THE 30 YEARS 1866 TO 1895.

| STATIONS. | JAN. | FEB. | MAR. | APRIL. | MAY. | JUNE. | JULY. | AUGUST. | SEPT. | OCT. | NOV. | DEC. | ANNUAL | LIMITS OF YEARS OF ACTUAL OBSERVATIONS. | NO. OF YEARS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | | |
| Sumburgh Head | 3·85 | 3·11 | 2·75 | 1·95 | 1·76 | 1·93 | 2·36 | 3·34 | 3·38 | 4·31 | 4·14 | 4·27 | 37·15 | 1871—1895 | 25 |
| Stornoway | 5·17 | 3·80 | 3·70 | 2·49 | 2·53 | 2·76 | 3·08 | 3·77 | 4·09 | 5·15 | 4·80 | 5·64 | 46·98 | 1855—1895 | 41 |
| Wick | 2·24 | 2·16 | 1·99 | 1·63 | 1·77 | 1·75 | 2·52 | 2·68 | 2·51 | 3·14 | 2·93 | 3·17 | 28·49 | 1866—1895 | 30 |
| Nairn | 1·98 | 1·65 | 1·68 | 1·21 | 1·68 | 1·73 | 2·73 | 2·80 | 2·48 | 2·51 | 2·14 | 1·94 | 24·53 | ,, ,, ,, | 30 |
| Aberdeen | 2·38 | 2·26 | 2·23 | 1·96 | 2·01 | 1·80 | 2·84 | 3·15 | 2·89 | 3·05 | 3·16 | 3·11 | 30·84 | ,, ,, ,, | 30 |
| Leith | 1·78 | 1·51 | 1·41 | 1·46 | 1·70 | 1·79 | 2·80 | 2·74 | 2·19 | 2·03 | 2·05 | 1·89 | 23·35 | ,, ,, ,, | 30 |
| Shields | 1·72 | 1·50 | 1·74 | 1·65 | 1·64 | 1·71 | 2·69 | 2·86 | 2·30 | 2·58 | 2·39 | 2·32 | 25·10 | ,, ,, ,, | 30 |
| Spurn Head | 1·38 | 1·32 | 1·19 | 1·35 | 1·61 | 1·64 | 1·78 | 1·84 | 1·83 | 2·33 | 2·28 | 2·05 | 20·60 | 1880—1895 | 16 |
| York | 1·84 | 1·68 | 1·66 | 1·68 | 1·87 | 2·21 | 2·78 | 2·62 | 2·45 | 2·74 | 2·21 | 2·21 | 25·95 | 1866—1895 | 30 |
| Loughborough | 2·01 | 1·71 | 1·54 | 1·71 | 2·05 | 2·20 | 2·35 | 2·50 | 2·50 | 2·83 | 2·21 | 2·24 | 25·85 | 1872—1895 | 24 |
| Ardrossan | 3·89 | 2·93 | 2·30 | 2·03 | 2·28 | 2·32 | 2·86 | 3·91 | 3·38 | 3·82 | 3·78 | 3·66 | 37·16 | 1866—1895 | 30 |
| Belmullet | **5·48** | **4·20** | **3·80** | **2·48** | **2·83** | **2·85** | **3·59** | **4·62** | **4·26** | **5·18** | **5·92** | **5·36** | **50·57** | 1876—1895 | 20 |
| Donaghadee | 2·90 | 2·34 | 1·97 | 1·86 | 2·21 | 2·03 | 2·82 | 3·27 | 2·74 | 3·22 | 3·10 | 2·85 | 31·31 | 1873—1895 | 23 |
| Liverpool | 2·18 | 1·68 | 1·67 | 1·54 | 1·83 | 1·99 | 2·99 | 2·87 | 3·17 | 3·58 | 2·81 | 2·62 | 28·93 | 1866—1895 | 30 |
| Holyhead | 3·26 | 2·42 | 2·20 | 1·86 | 1·85 | 1·97 | 2·37 | 2·98 | 3·10 | 4·44 | 3·96 | 3·83 | 34·24 | ,, ,, ,, | 30 |
| Parsonstown | 2·99 | 2·16 | 2·20 | 2·04 | 2·31 | 2·34 | 2·98 | 3·67 | 2·92 | 3·12 | 2·86 | 3·09 | 32·68 | ,, ,, ,, | 30 |
| Valencia | 6·31 | 4·89 | 3·87 | 3·67 | 3·13 | 3·34 | 4·23 | 4·85 | 4·38 | 5·57 | 5·63 | 5·93 | 55·80 | 1869—1895 | 27 |
| Roche's Point | 5·33 | 4·19 | 3·38 | 3·06 | 3·01 | 3·07 | 3·18 | 4·03 | 3·74 | 4·16 | 4·79 | 5·16 | 47·10 | 1868—1895 | 28 |
| Pembroke | 3·71 | 2·62 | 2·26 | 1·89 | 1·96 | 1·88 | 2·53 | 2·88 | 3·32 | 4·11 | 4·04 | 3·96 | 35·16 | 1871—1895 | 25 |
| Scilly | 3·63 | 2·62 | 2·28 | 2·15 | 1·69 | 1·76 | 2·47 | 2·54 | 3·28 | 3·77 | 3·80 | 4·00 | 33·99 | ,, ,, ,, | 25 |
| Prawle Point | 2·92 | 1·94 | 1·88 | 1·94 | 1·48 | 1·59 | 2·39 | 2·24 | 2·41 | 3·78 | 3·26 | 3·77 | 29·60 | 1879—1895 | 17 |
| Jersey | 3·21 | 2·41 | 2·24 | 2·01 | 1·86 | 1·86 | 2·54 | 2·44 | 2·96 | 4·70 | 4·19 | 3·76 | 34·18 | 1866—1895 | 30 |
| Hurst Castle | 2·86 | 2·10 | 1·78 | 1·72 | 1·64 | 1·83 | 2·39 | 2·37 | 2·76 | 3·60 | 3·11 | 2·77 | 28·93 | ,, ,, ,, | 30 |
| Dover | 2·47 | 1·81 | 1·74 | 1·61 | 1·66 | 1·52 | 2·05 | 2·07 | 2·53 | 3·43 | 3·30 | 2·79 | 26·98 | ,, ,, ,, | 30 |
| London | 2·06 | 1·64 | 1·43 | 1·70 | 1·77 | 1·99 | 2·48 | 2·36 | 2·17 | 2·82 | 2·31 | 2·11 | 24·84 | ,, ,, ,, | 30 |
| Oxford | 2·16 | 1·76 | 1·50 | 1·66 | 1·83 | 2·11 | 2·68 | 2·32 | 2·43 | 2·75 | 2·42 | 2·10 | 25·72 | ,, ,, ,, | 30 |
| Cambridge | 1·52 | 1·42 | 1·34 | 1·56 | 1·87 | 2·14 | 2·62 | 2·39 | 2·13 | 2·41 | 2·07 | 1·82 | 23·29 | ,, ,, ,, | 30 |
| Yarmouth | 1·96 | 1·73 | 1·73 | 1·63 | 1·83 | 1·86 | 2·89 | 2·30 | 2·64 | 3·11 | 2·92 | 2·53 | 27·13 | ,, ,, ,, | 30 |

NOTE.—When the records available have not extended over the whole of the period 1866-1895, the following rules have been observed for purposes of interpolation:—

(1) Where the observations available have not covered a period of *sixteen* years, or more, they have been rejected.

(2) When the observations have covered a period of sixteen years, or more, the means have been reduced to their approximate values for the whole period by comparison with the values at adjacent and similarly exposed stations.

(3) In the case of Belmullet the values could not be corrected in the manner described; the values given above are therefore for twenty years only, and are printed in thick type.

At North Foreland and Malin Head the observations are insufficient in point of duration to furnish averages of any great value.

TABLE VI.—Showing, for certain TELEGRAPHIC REPORTING STATIONS for EACH MONTH and the WHOLE YEAR, the Mean Numbers of Hours of BRIGHT SUNSHINE, together with the PERCENTAGES of the POSSIBLE DURATION, in each instance —derived from Observations extending over the 15 years 1881 to 1895.

| STATIONS. | Jan. | | Feb. | | Mar. | | April. | | May. | | June. | | July. | | Aug. | | Sept. | | Oct. | | Nov. | | Dec. | | Annuals. | | Limits of Years of Actual Observations. | Number of Years. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | Hours. | Percentages. | | |
| Stornoway | 29·2 | 13 | 63·6 | 25 | 103·3 | 29 | 159·0 | 37 | 184·8 | 36 | 185·1 | 35 | 143·6 | 27 | 117·4 | 25 | 103·3 | 27 | 84·1 | 27 | 42·1 | 18 | 25·4 | 13 | 1240·9 | 28 | 1881—1895 | 15 |
| Aberdeen | 52·6 | 23 | 73·4 | 28 | 124·0 | 34 | 154·0 | 36 | 192·2 | 38 | 196·5 | 37 | 160·8 | 31 | 151·1 | 33 | 124·2 | 33 | 97·5 | 31 | 54·7 | 23 | 39·9 | 20 | 1420·9 | 32 | ,, ,, ,, | 15 |
| York | 30·2 | 12 | 60·0 | 22 | 109·1 | 30 | 139·4 | 33 | 187·8 | 38 | 173·0 | 34 | 163·3 | 32 | 145·1 | 32 | 118·4 | 32 | 87·3 | 27 | 39·7 | 16 | 26·5 | 12 | 1279·8 | 29 | ,, ,, ,, | 15 |
| Parsonstown | 50·8 | 21 | 68·0 | 25 | 114·7 | 32 | 155·8 | 38 | 180·2 | 37 | 173·7 | 35 | 136·5 | 27 | 131·0 | 29 | 124·7 | 33 | 97·1 | 30 | 63·1 | 25 | 45·0 | 20 | 1340·6 | 30 | ,, ,, ,, | 15 |
| Valencia | 56·1 | 22 | 72·9 | 27 | 135·3 | 37 | 171·5 | 42 | 206·4 | 43 | 203·4 | 41 | 153·8 | 31 | 146·0 | 33 | 130·4 | 35 | 104·2 | 32 | 63·8 | 25 | 43·9 | 19 | 1487·7 | 34 | ,, ,, ,, | 15 |
| Pembroke | 53·6 | 21 | 79·9 | 29 | 139·9 | 38 | 185·9 | 45 | 217·3 | 45 | 234·7 | 48 | 199·7 | 40 | 188·8 | 42 | 146·5 | 39 | 103·4 | 32 | 58·8 | 23 | 46·0 | 20 | 1654·5 | 38 | ,, ,, ,, | 15 |
| Jersey | 71·2 | 27 | 95·0 | 34 | 160·2 | 44 | 196·3 | 48 | 249·2 | 53 | 243·1 | 51 | 230·0 | 48 | 241·2 | 55 | 183·4 | 49 | 127·4 | 39 | 70·9 | 26 | 62·6 | 25 | 1930·5 | 44 | ,, ,, ,, | 15 |
| London (Westminster) | 19·3 | 8 | 33·0 | 12 | 72·3 | 20 | 113·9 | 28 | 168·6 | 35 | 167·4 | 34 | 162·0 | 33 | 160·9 | 36 | 111·5 | 30 | 70·1 | 22 | 29·5 | 11 | 11·8 | 5 | 1120·3 | 25 | 1883—1895 | 13 |
| Oxford | 47·1 | 19 | 66·3 | 24 | 119·7 | 33 | 152·1 | 37 | 196·6 | 41 | 192·1 | 39 | 185·5 | 38 | 182·9 | 41 | 141·0 | 38 | 101·7 | 31 | 55·4 | 22 | 41·8 | 18 | 1482·2 | 34 | 1881—1895 | 15 |
| Cambridge | 49·8 | 20 | 70·5 | 26 | 127·4 | 35 | 157·7 | 38 | 199·6 | 41 | 195·3 | 40 | 189·6 | 38 | 180·5 | 40 | 144·2 | 39 | 104·4 | 32 | 61·7 | 24 | 41·2 | 18 | 1521·9 | 35 | ,, ,, ,, | 15 |

Note.—Where the records available have not extended over the whole period of 1881-1895, they have been reduced to their approximate values for the 15 years by comparison with those at adjacent and similarly exposed stations.

The observations at Scilly are insufficient in point of duration to furnish averages of any great value ; they are therefore omitted.

Wyman & Sons, Ltd., Printers, 63, Carter Lane, Doctors' Commons, E.C. [8984)

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday 1st August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | Weather | Barometer. | | Temperature. | | | Wind. | | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Temp. | | Rainfall. |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | | | | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... † | 30·06 | 59 | L | 0 | b | 30·07 | −·01 | 66 | 62 | +2 | S | 2 | c | * | b | * | 70 | 50 | — |
| | Hernösand ... † | 30·05 | 62 | L | 0 | c | 30·03 | −·07 | 60 | 59 | −5 | N | 2 | o | * | c | * | 77 | 50 | 0·16 |
| | Stockholm ... † | 29·99 | 66 | NE | 2 | b | 29·91 | −·06 | 73 | 70 | +7 | E | 2 | b | * | b | * | 73 | 55 | 0·08 |
| | Wisby ... ... † | 29·89 | 67 | SE | 4 | c | 29·90 | +·01 | 72 | 69 | +5 | SSW | 4 | b | * | c | * | 75 | 55 | 0·16 |
| | Karlstad ... † | 29·96 | 68 | NE | 2 | o | 29·90 | −·09 | 67 | 62 | +5 | ENE | 2 | o | * | o b r | * | # | # | 0·24 |
| | Bodo ... ... † | 30·17 | 51 | N | 2 | b | 30·08 | −·13 | 55 | 51 | +2 | N | 2 | b | 1 | b | * | 55 | 46 | — |
| | Christiansund ... † | 30·00 | 57 | NE | 4 | o | 29·91 | −·19 | 58 | 55 | +3 | L | o | c | 2 | o | * | 61 | 54 | — |
| | Skudesnaes ... | 29·90 | 60 | NW | 2 | r | 29·80 | −·13 | 61 | 60 | −3 | NNW | 2 | o | 1 | r | * | 68 | 57 | * |
| | Færder (Christiania Fjord) | 29·93 | 63 | NNE | 3 | o | 29·80 | −·16 | 66 | 65 | +3 | E | 3 | o | 2 | o | * | 66 | 61 | 0·35 |
| | Skagen (The Scaw) | 29·86 | 66 | E | 2 | m | 29·84 | −·05 | 63 | 62 | 0 | W | 2 | r | 0 | m | * | 68 | 61 | 0·35 |
| | Fanö ... ... | 29·81 | 63 | L | 0 | o | 29·82 | +·04 | 63 | 59 | −1 | W | 1 | o | * | o | * | 70 | 61 | — |
| | Sumburgh Head | 30·01 | 55 | NE | 3 | o | 29·96 | −·08 | 52 | 50 | −2 | NNE | 2 | o | 3 | o | * | 58 | 50 | — |
| | Stornoway ... | 30·04 | 58 | E | 4 | b | 30·06 | +·01 | 53 | 50 | −2 | ENE | 3 | o | 3 | o b | 5·0 | 60 | 50 | — |
| | Wick ... ... | 30·06 | 55 | NE | 1 | o | 30·03 | −·03 | 53 | 52 | −2 | N | 3 | o | 2 | o | * | 57 | 49 | — |
| | Nairn ... ... | 30·03 | 56 | E | 3 | o | 30·02 | ·00 | 54 | 52 | −2 | L | o | o | 1 | o | * | 61 | 50 | — |
| | Aberdeen ... | 30·01 | 55 | N | 1 | c | 30·00 | −·01 | 53 | 49 | −3 | NW | 3 | og | 2 | c | 0·8 | 61 | 52 | — |
| British Islands | Leith ... ... | 29·97 | 64 | E | 1 | b | 30·00 | −·02 | 54 | 52 | −1 | E | 2 | ow | * | b | * | 66 | 53 | — |
| | Shields ... ... | 29·98 | 58 | NE | 3 | bc | 30·00 | −·01 | 55 | 53 | −1 | N | 2 | o | H | b, bc, cl | * | 60 | 52 | — |
| | Spurn Head ... | 29·96 | 60 | N | 3 | bc | 29·97 | +·02 | 58 | 57 | −1 | NNW | 3 | o | 3 | bc | * | 62 | 55 | — |
| | York ... ... | 29·97 | 64 | ENE | 1 | b | 30·00 | +·02 | 57 | 55 | −1 | NW | 1 | o | * | b | 3·7 | 67 | 48 | — |
| | Loughborough ... | 29·94 | 67 | ENE | 2 | b | 30·02 | +·07 | 54 | 52 | −6 | NNE | 2 | ow | * | c, bc, cw | * | 70 | 49 | — |
| | Ardrossan ... | 29·96 | 66 | L | 0 | bm | 29·98 | −·02 | 60 | 57 | +2 | NE | 1 | bf | 1 | bm | * | 67 | 53 | — |
| | Malin Head ... | 29·97 | 60 | E | 3 | bm | 29·99 | +·01 | 58 | 58 | −1 | WNW | 1 | b | 1 | bm | * | 62 | 54 | — |
| | Belmullet ... | 29·99 | 62 | W | 1 | o | 30·00 | +·05 | 63 | 60 | +5 | NNW | 1 | b | * | o | * | 64 | 58 | — |
| | Donaghadee ... | 29·99 | 62 | N | 2 | b | 30·01 | ·00 | 60 | 57 | +3 | NE | 2 | b | o | b | * | 62 | 53 | — |
| | Liverpool (Bidston) | 29·96 | 63 | NNW | 1 | c | 29·97 | +·02 | 61 | 56 | 0 | ESE | 2 | b | 1 | c, g | * | 68 | 54 | — |
| | Holyhead ... | 29·97 | 61 | NE | 2 | b | 29·97 | +·03 | 62 | 61 | +1 | NE | 1 | bm | o | m, b | * | 67 | 56 | — |
| | Parsonstown ... | 30·05 | 67 | L | 0 | b | 29·99 | +·01 | 56 | 55 | −1 | L | o | o | * | b | 5·6 | 68 | 50 | — |
| | Valencia ... | 29·96 | 61 | WNW | 1 | c | 29·95 | −·05 | 61 | 58 | 0 | L | o | bcm | 1 | bcm, c | 5·7 | 65 | 51 | — |
| | Roche's Point ... | 29·95 | 65 | S | 2 | bm | 29·97 | ·00 | 61 | 59 | +1 | E | 2 | b | 2 | bm | * | 71 | 55 | — |
| | Pembroke (St. Ann's Hd.) | 29·92 | 67 | NW | 2 | b | 29·95 | +·05 | 61 | 60 | −1 | E | 2 | bm | 1 | b | 8·9 | 68 | 57 | — |
| | Scilly ... ... | 29·93 | 65 | NW | 3 | c | 29·94 | +·04 | 63 | 62 | +1 | NNW | 1 | fw | 1 | c | 10·9 | 66 | 58 | — |
| | Prawle Point ... | 29·92 | 66 | NE | 2 | bc | ? 29·97 | +·09 | 63 | 62 | −4 | E | 2 | m | 1 | bc | * | 69 | 59 | — |
| | Jersey (St. Aubin's) | 29·90 | 66 | NW | 3 | b | 29·98 | +·13 | 64 | 61 | +1 | ENE | 3 | c | 3 | bm | * | 71 | 58 | — |
| | Hurst Castle ... | 29·91 | 65 | L | 0 | o | 29·98 | +·11 | 65 | 62 | +4 | ENE | 2 | cg | 1 | p, og | * | 69 | 57 | 0·35 |
| | Dungeness ... | 29·88 | 63 | NE | 4 | b | 29·95 | +·12 | 60 | 56 | −4 | NNW | 2 | b | 1 | bc, b | * | 68 | 48 | — |
| | North Foreland | 29·91 | 62 | NE | 3 | c | 29·98 | +·11 | 60 | 56 | −3 | NW | 2 | c | 2 | bc, c | * | 65 | 57 | — |
| | London (Brixton) ... | 29·91 | 68 | ENE | 1 | bc | 29·99 | +·10 | 60 | 55 | 0 | NE | 2 | c | * | op, c, bcw | 1·4 | 72 | 48 | — |
| | Oxford ... ... | 29·93 | 63 | NE | 1 | b | 30·01 | +·10 | 55 | 53 | −7 | L | o | o | * | b | * | 74 | 48 | — |
| | Cambridge ... | 29·94 | 67 | NNE | 3 | b | 30·00 | +·08 | 58 | 54 | −4 | NNW | 1 | b | * | b | 11·5 | 73 | 47 | — |
| | Yarmouth ... | 29·93 | 63 | N | 3 | bc | 29·97 | +·06 | 61 | 58 | −1 | NW | 2 | bc | 2 | b, bc | * | 66 | 56 | — |
| Germany & Holland | Cuxhaven ... | 29·80 | 65 | NNW | 2 | o | 29·87 | +·08 | 62 | 62 | −1 | L | o | c | * | o r | * | 68 | 61 | 0·20 |
| | Berlin ... ... | 29·86 | 68 | SSW | 1 | b | 29·92 | +·10 | 66 | 61 | +4 | SSW | 1 | b | * | b | * | 78 | 61 | 0·20 |
| | Wiesbaden ... | * | * | * | * | * | 29·92 | +·04 | 61 | 60 | +4 | L | o | o | * | * | * | 73 | 57 | — |
| | Munich ... .. | 29·91 | 61 | L | o | r | 29·92 | −·04 | 59 | 57 | 0 | W | 2 | o | * | r | * | 70 | 52 | 0·04 |
| | The Helder ... | 29·87 | 64 | NNW | 1 | c | 29·91 | +·04 | 62 | 59 | 0 | NW | 1 | o | 1 | c | * | 66 | 61 | — |
| Belgium. | Brussels ... | * | * | * | * | * | 29·95 | +·09 | 60 | 57 | +3 | NNE | 3 | o | * | o | * | 74 | 56 | 0·08 |
| | Cape Gris Nez ... | 29·87 | 65 | E | 4 | bc | 29·93 | +·11 | 61 | 59 | +1 | NE | 2 | c | 2 | bc | * | 68 | 59 | — |
| | Paris ... ... | 29·80 | 70 | SSE | 1 | o | 29·94 | +·10 | 59 | 57 | −2 | N | 2 | o | * | o | * | 71 | 58 | 0·20 |
| | Brest ... ... | 29·96 | 65 | NNW | 1 | b | 30·01 | +·19 | 59 | 58 | 0 | N | 1 | b | 2 | b | * | 68 | 52 | — |
| | Lorient ... ... | ? 29·95 | 69 | L | 0 | b | 29·96 | +·07 | 57 | 54 | −4 | NNE | 2 | b | 3 | b | * | ? 75 | 50 | — |
| France | Rochefort ... | 29·88 | 70 | WNW | 3 | bc | 29·96 | +·11 | 64 | 62 | +3 | ENE | 3 | b | * | bc | * | 72 | 59 | 0·12 |
| | Belfort ... ... | 29·86 | 60 | SSW | 2 | c | 29·95 | +·10 | 54 | 54 | −5 | L | o | f | * | c | * | 70 | 51 | — |
| | Lyons ... ... | 29·84 | 66 | W | 1 | o | 29·93 | +·04 | 60 | 68 | −3 | W | 1 | r | * | o, bc | * | 74 | 56 | 0·20 |
| | Nice ... ... | 29·98 | 69 | NE | 2 | c | 29·85 | +·03 | 67 | 60 | −2 | L | o | b | 2 | c | * | 77 | 59 | — |
| | Perpignan ... | 29·89 | 66 | SW | 1 | o | 29·95 | +·04 | 68 | 61 | +5 | W | 1 | bc | * | o | * | 77 | 60 | 0·04 |
| | Biarritz ... | 29·92 | 67 | W | 6 | r | 29·95 | +·04 | 66 | 63 | +5 | W | 4 | c | 3 | r | * | 67 | 61 | 1·18 |
| Peninsula | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 29·97 | 63 | NNE | 5 | b | 29·96 | −·03 | 65 | 59 | −1 | N | 5 | b | * | b | * | 73 | 59 | — |
| | Azores (P. Delgada) | 30·30 | 69 | NNE | 3 | bc | 30·27 | −·04 | 69 | 64 | −2 | L | o | c | 1 | bc | * | 79 | 64 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 6·0 hrs; Eastbourne 4·6 hrs. Hastings (St. Leonards) 5·0 hrs.*

# WEATHER CHARTS

FOR ..... SATURDAY, 1ST AUGUST, .. 1896.

## BAROMETER, WIND AND SEA.

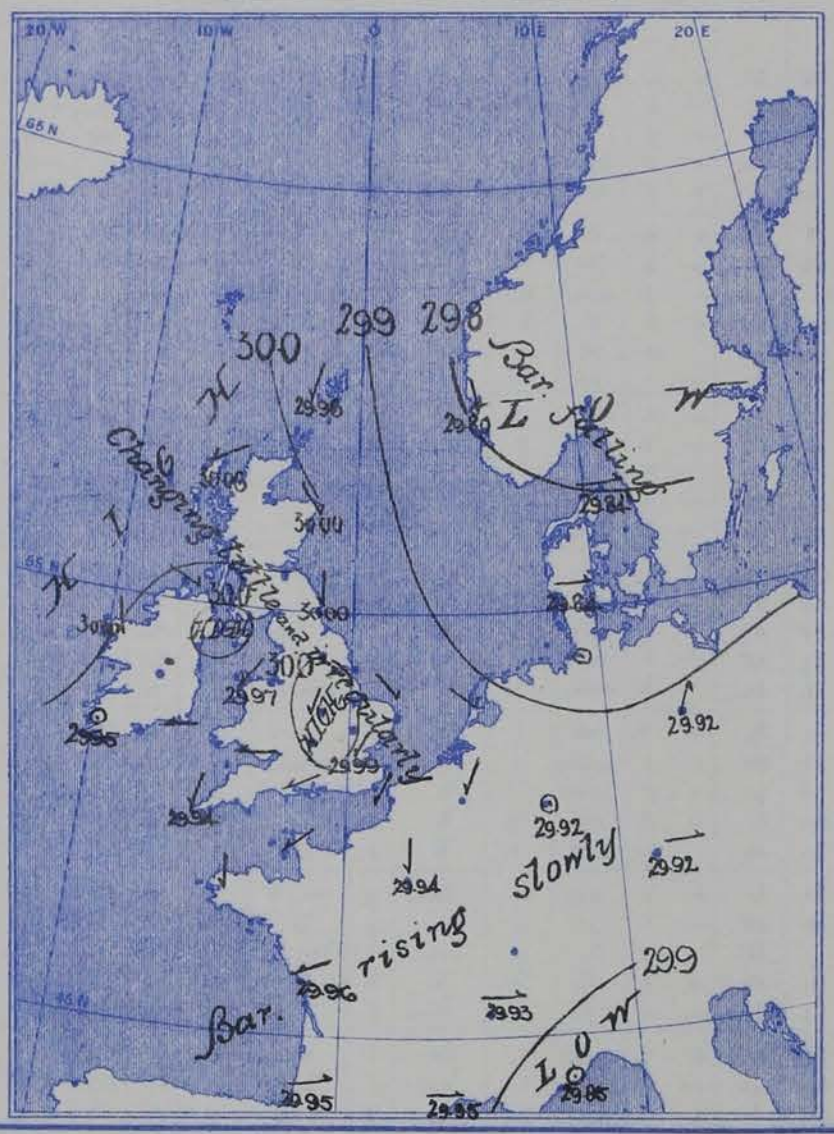
*BAROMETER—Isobars are drawn for each tenth of an inch.*

*WIND—Arrows shew Directions and Force, flying with the wind.*

*Force above 10* ⟫⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙

*Force 8 to 10* ⟩⟶ ; *Force 1 to 4* ⟶ ; }

*SEA—Rough* ▤ ; *High* ▩

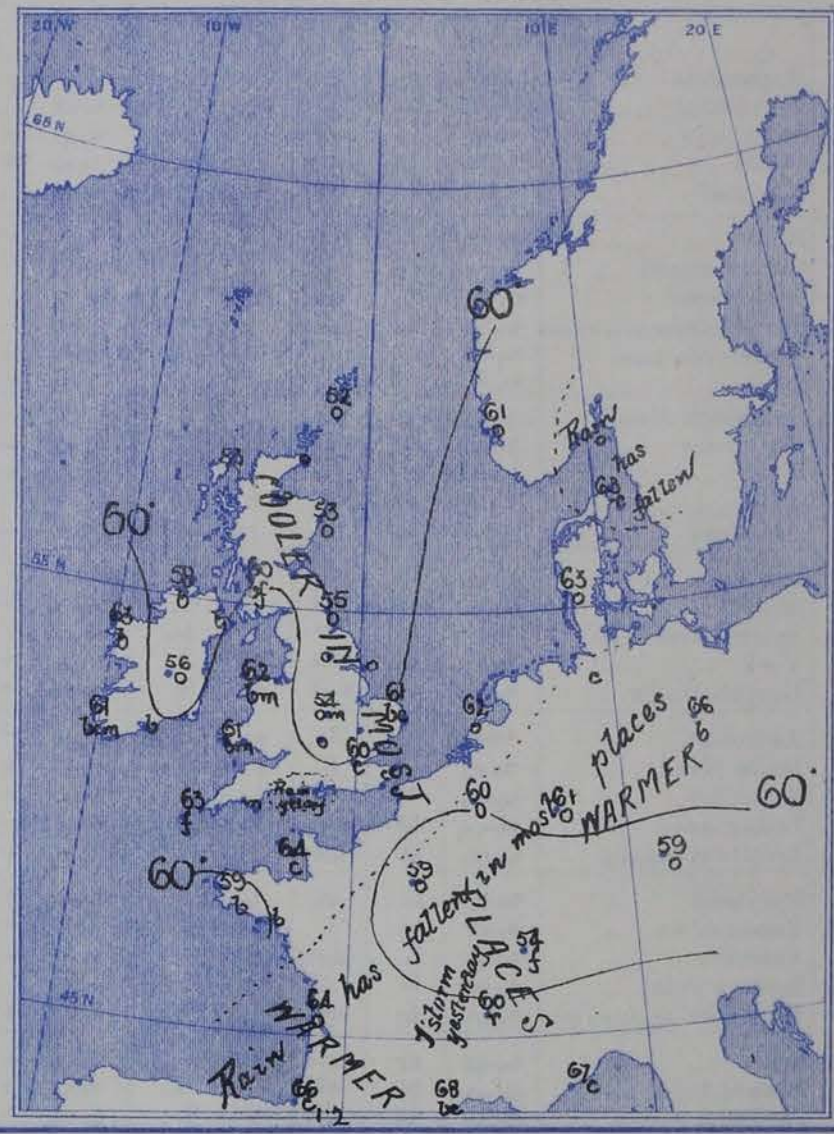



## TEMPERATURE & WEATHER.

*TEMPERATURE—Isotherms are drawn for each 10°.*

*WEATHER—Shown by Letters of the Beaufort Scale.*

*RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.*




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 · 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 · 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 · 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 · 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 · 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.0 ins. and upwards in an area lying over Scotland and to the westward of Ireland, and also in another area over central England.
Lowest 29.8 ins. and less over the south of Norway; 29.9 ins. and less over the SE. of France.
Gradients slight. Barometer changing little and irregularly in our Islands, rising in France; falling in Scandinavia.

**TEMPERATURE**

Highest 68° at Perpignan, 67° at Nice, 66° at Facebor, Berlin and Biarritz, & 65° at Hurst Castle & Lisbon.
Lowest 52° at Sumburgh Hd., 53° at Stornoway, Wick and Aberdeen, & 54° at Nairn, Leith & Loughborough.
During yesterday the thermometer rose to 70° and upwards at several of our central and southern stations, and to 74° at Oxford.

**WIND**

Light from the N^wd. over the North Sea and the eastern parts of Gt. Britain, but from the NE^wd. in other parts of our Islands, and also over the northern parts of France.
Light from the W^wd. in Denmark, and also in the southern parts of France & Germany.

**WEATHER**

Fine in the W^m and S^m parts of our Islands generally, and also in the N. and W. of France.
Dull in other parts of our area, with rain at Skagen and also at Lyons.
Showers fell yesterday at some of our own southern stations, and rain in many parts of France, Germany, Denmark and the Netherlands, the amount being as large as 1.2 ins. at Biarritz. A thunderstorm occurred at Lyons last night.

**SEA**

Slight or smooth generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather.

# FORECASTS

*For the 24 hours ending at NOON on* 2^ND AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | N^ly winds, light; cloudy, local showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | N^ly and NW^ly winds, light, fair generally. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | NE^ly and N^ly winds, light; fine generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29·91 | 68 | 62 | 2 | 0 | r | 1 |
| Sumburgh Head | 30·02 | 56 | 54 | NE | 3 | o | 4 |
| Stornoway ... ... | 30·05 | 60 | 57 | E | 3 | o | 3 |
| Aberdeen ... ... | 30·00 | 58 | 56 | NE | 2 | c | 1 |
| Shields ... ... | 30·01 | 58 | 54 | NE | 3 | b | 4 |
| Ardrossan ... ... | 29·96 | 64 | 60 | NE | 1 | b | 1 |
| Malin Head ... | 29·98 | 62 | 61 | E | 4 | b | 2 |
| Belmullet ... ... | 29·97 | 62 | 59 | W | 1 | o | * |
| Holyhead ... ... | 29·96 | 64 | 62 | NE | 3 | m | 2 |
| Valencia ... ... | 29·98 | 64 | 60 | WNW | 3 | bcm | 4 |
| Scilly ... ... | 29·91 | 65 | 62 | NW | 3 | e | 2 |
| Jersey ... ... | 29·89 | 70 | 63 | N | 4 | b | 3 |
| Hurst Castle ... | 29·90 | 62 | 60 | ENE | 3 | p | 2 |
| Dungeness ... | 29·85 | 65 | 62 | NE | 3 | bc | 3 |
| North Foreland | 29·90 | 64 | 59 | NE | 3 | bc | 3 |
| London (Westminster) | 29·89 | 68 | 61 | NE | 1 | c | * |
| Yarmouth ... | 29·93 | 65 | 57 | NNE | 4 | b | 3 |
| Rochefort ... | 29·87 | 70 | 66 | SW | 3 | bc | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fair or fine over Europe as a whole, but dull in many parts of our Islands, France and Germany; showers falling at one or two stations in the S. of England, and steady rain in the SW. of France, and also at Berlin. Rain falling later at many stations in the W^m. part of the Continent — heavily at Biarritz. Thunderstorm occurring at Lyons at night.

Temperature fallen over Austria, Poland and the Baltic provinces, changed irregularly elsewhere. Morning readings highest 84° at Athens, 80° at Brindisi, Malta and Tunis, and 79° at Sfax; above 70° at the Mediterranean stations generally, and also over the W^m., central and S^m. parts of Russia. Lowest (1) 53° at Bodö, and 54° at Sumburgh Head, (2) 54° at Le Mans, and 57° at Brussels and Wiesbaden. Daily maxima below 65° at most of our own N^m. stations, but a little above 70° in the south, reaching 75° or more in Sweden and also in the south of France.

Wind light to moderate from the E^wd. or NE^wd. over northern Russia, Scandinavia and the greater part of the United Kingdom, but N^ly. on our southwest coasts. SW^ly. over the greater part of Germany, Italy and the south of France; light and variable over Austria and the south of Russia, N^ly. over the Spanish Peninsula. No important change occurring over W^m. Europe during day.

Barometer highest 30·2 ins. and upwards in an anticyclone lying off the NW. of Norway; 30·0 ins. and upwards in a large area lying to the W^wd. of our Islands. Lowest 29·8 ins. and less in two small depressions, one lying over Holstein and the other over Dalmatia (large area of relatively low pressure covering all the more central and S^m. parts of the Continent). No decided change occurring later.

## NOTICE

Owing to the operation of the Factory Act the report for Monday next the 3^rd. inst. cannot be issued until Wednesday the 5^th. inst.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „

# DAILY WEATHER REPORT

*for 8 a.m. on* Sunday 2nd August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L. | Temp. Dry Bulb. | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L. | Barometer. Change since Yesterday. | Temperature. Dry Bulb. | Temperature. Wet Bulb. | Temperature. Change since Yesterday. | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Weather. | Hours of Bright Sunshine. | Temp. Max. | Temp. Min. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29.99 | 64 | 2 | 0 | b | 29.84 | −.29 | 68 | 62 | +2 | SE | 2 | c | * | b | * | 72 | 52 | 0.20 |
| | Hernösand ... | 29.95 | 62 | 2 | 0 | b | 29.86 | −.17 | 65 | 63 | +5 | S | 2 | c | * | b | * | 66 | 57 | 0.12 |
| | Stockholm ... | 29.93 | 69 | SSW | 2 | b | 29.92 | +.01 | 71 | 68 | −2 | 2 | 0 | bc | * | b | * | 82 | 61 | — |
| | Wisby ... ... | 29.97 | 67 | S | 4 | b | 29.91 | +.01 | 69 | 64 | −3 | NW | 4 | b | * | b | * | 72 | 54 | — |
| | Karlstad ... | 29.90 | 68 | 2 | 0 | c | 29.91 | +.01 | 69 | 62 | +2 | 2 | 0 | b | * | c | * | * | * | — |
| | Bodö ... ... | 29.89 | 58 | NE | 2 | 0 | 29.64 | −.44 | 58 | 57 | +3 | SW | 1 | 0 | 1 | 0 | * | 58 | 50 | 0.04 |
| | Christiansund ... | 29.77 | 59 | NE | 2 | 0 | 29.86 | −.05 | 54 | 53 | −4 | NNW | 2 | r | 2 | 0 | * | 66 | 52 | 0.04 |
| | Skudesnaes ... | 29.78 | 62 | WSW | 2 | 0 | 29.95 | +.15 | 57 | 55 | −4 | NNW | 6 | 0 | 2 | 0 | * | 63 | 55 | * |
| | Færder (Christiania Fjord) | 29.92 | 63 | SSW | 2 | c | 29.91 | +.11 | 65 | 63 | −1 | 2 | 0 | b | 1 | c | * | 66 | 61 | 0.24 |
| | Skagen (The Scaw) | 29.93 | 66 | 2 | 0 | c | 29.94 | +.10 | 64 | 62 | +1 | WSW | 1 | bc | 0 | c | * | 70 | 61 | — |
| | Fanö ... ... | 29.93 | 63 | WSW | 2 | 0 | 29.94 | +.10 | 62 | 60 | −1 | WNW | 4 | c | * | 0 | * | 72 | 61 | 0.04 |
| British Islands | Sumburgh Head | 29.97 | 53 | NNE | 2 | 0 | 30.03 | +.07 | 50 | 50 | −2 | W | 2 | r | 3 | 0 | * | 55 | 48 | 0.01 |
| | Stornoway ... | 30.10 | 55 | E | 2 | 0 | 30.15 | +.09 | 51 | 50 | −2 | 2 | 0 | 0 | 0 | 0 | 0.6 | 58 | 49 | — |
| | Wick ... ... | 30.06 | 54 | N | 3 | 0 | 30.12 | +.09 | 53 | 52 | 0 | N | 1 | q | 0 | 0 | * | 56 | 48 | = |
| | Nairn ... ... | 30.05 | 55 | 2 | 0 | c | 30.12 | +.10 | 53 | 51 | −1 | 2 | 0 | b | 1 | c | * | 58 | 48 | 0.02 |
| | Aberdeen ... | 30.05 | 53 | NW | 3 | 0 | 30.14 | +.14 | 52 | 49 | −1 | NW | 1 | 0 | 1 | 0 | 0.4 | 57 | 50 | — |
| | Leith ... ... | 29.98 | 60 | E | 3 | b | 30.16 | +.16 | 54 | 50 | 0 | ENE | 2 | 0 | * | b | * | 63 | 52 | — |
| | Shields ... ... | 30.04 | 58 | NNE | 2 | c | 30.14 | +.14 | 56 | 52 | +1 | N | 2 | 0 | 2 | 0, q | * | 60 | 54 | — |
| | Spurn Head ... | 30.02 | 58 | NNE | 2 | c | 30.11 | +.14 | 58 | 55 | 0 | NNW | 3 | cv | 3 | c, v | * | 62 | 53 | — |
| | York ... ... | 30.02 | 62 | NE | 1 | b | 30.13 | +.13 | 56 | 53 | −1 | N | 1 | 0 | * | b | 4.0 | 66 | 52 | — |
| | Loughborough ... | 30.00 | 66 | 2 | 0 | b | 30.13 | +.11 | 57 | 53 | +3 | NE | 1 | c | * | am. bc. 0 | * | 69 | 54 | — |
| | Ardrossan ... | 29.97 | 60 | S | 2 | cm | 30.11 | +.13 | 56 | 54 | −4 | NNE | 1 | am | 1 | b, cm | * | 62 | 53 | — |
| | Malin Head ... | 30.04 | 57 | N | 3 | b | 30.12 | +.18 | 55 | 54 | −3 | N | 4 | og | 2 | b | * | 62 | 54 | — |
| | Belmullet ... | 30.06 | 61 | N | 3 | bc | 30.15 | +.18 | 58 | 53 | −5 | NE | 3 | 0 | * | bc | * | 61 | 58 | — |
| | Donaghadee ... | 30.03 | 63 | N | 2 | b | 30.14 | +.13 | 56 | 54 | −4 | WNW | 3 | c | 1 | b | * | 64 | 46 | — |
| | Liverpool (Bidston) | 29.99 | 64 | NNW | 1 | bc | 30.12 | +.15 | 57 | 55 | −4 | SE | 1 | 0 | 1 | bc | * | 71 | 55 | — |
| | Holyhead ... | 30.00 | 62 | NE | 2 | b | 30.11 | +.14 | 60 | 59 | −2 | N | 1 | bw | 0 | b | * | 65 | 56 | — |
| | Parsonstown ... | 30.04 | 72 | 2 | 0 | b | 30.16 | +.17 | 57 | 54 | +1 | N | 1 | bc | * | b | 8.6 | 72 | 51 | — |
| | Valencia ... | 30.01 | 64 | 2 | 0 | om | 30.12 | +.17 | 64 | 62 | +3 | 2 | 0 | bm | 4 | bcm, om | 10.7 | 67 | 53 | — |
| | Roche's Point .. | 30.00 | 65 | ESE | 1 | b | 30.12 | +.15 | 61 | 59 | 0 | N | 1 | b | 1 | bm | * | 70 | 55 | — |
| | Pembroke (St. Ann's Hd.) | 30.00 | 67 | WNW | 2 | b | 30.08 | +.13 | 61 | 58 | 0 | E | 2 | bm | 1 | b | 10.6 | 67 | 55 | — |
| | Scilly ... ... | 29.97 | 68 | ENE | 1 | bc | 30.06 | +.12 | 62 | 61 | −1 | NE | 1 | f | 1 | b, bc | 10.1 | 70 | 59 | — |
| | Prawle Point ... | 30.00 | 62 | SSE | 1 | m | 30.07 | +.10 | 64 | 61 | +1 | ENE | 2 | m | 1 | m | * | 66 | 57 | — |
| | Jersey (St. Aubin's) | 29.98 | 68 | NNE | 3 | bm | 30.06 | +.08 | 67 | 63 | +3 | E | 4 | b | 3 | bc, bm | * | 73 | 56 | — |
| | Hurst Castle ... | 29.99 | 65 | SW | 3 | cm | 30.08 | +.10 | 62 | 62 | −3 | E | 1 | om | 1 | cm | * | 69 | 58 | — |
| | Dungeness ... | 29.97 | 64 | ENE | 3 | b | 30.06 | +.11 | 62 | 59 | +2 | NE | 3 | bc | 1 | b | * | 69 | 54 | — |
| | North Foreland | 29.99 | 63 | NE | 2 | bc | 30.09 | +.11 | 62 | 57 | +2 | NNE | 2 | 0 | 2 | bc | * | 66 | 58 | — |
| | London (Brixton) ... | 29.98 | 69 | NE | 2 | 0 | 30.09 | +.10 | 59 | 57 | −1 | ENE | 1 | og | * | c, 0 | 0.2 | 73 | 55 | 0.01 |
| | Oxford ... ... | 30.00 | 64 | NW | 2 | 0 | 30.11 | +.10 | 57 | 55 | +2 | ENE | 3 | og | * | 0 w | * | 72 | 54 | — |
| | Cambridge ... | 30.00 | 68 | E | 1 | b | 30.12 | +.12 | 58 | 57 | 0 | E | 1 | r | * | b | 8.6 | 72 | 54 | 0.04 |
| | Yarmouth ... | 30.01 | 62 | N | 2 | c | 30.07 | +.10 | 58 | 55 | −3 | NNW | 2 | cv | 3 | b, c | * | 64 | 52 | — |
| Germany & Holland | Cuxhaven ... | 29.93 | 64 | WNW | 1 | c | 29.93 | +.06 | 63 | 63 | +1 | N | 2 | 0 | * | c | * | 70 | 59 | — |
| | Berlin ... ... | 29.78 | 72 | NNW | 3 | c | 29.81 | −.11 | 66 | 64 | 0 | NNE | 1 | r | * | c | * | 79 | 64 | 0.39 |
| | Wiesbaden ... | * | * | * | * | * | 29.95 | +.03 | 63 | 60 | +2 | NW | 1 | 0 | * | * | * | 75 | 62 | — |
| | Munich ... .. | 29.87 | 56 | W | 4 | r | 29.90 | −.02 | 57 | 57 | −2 | SW | 5 | r | * | r | * | 72 | 56 | 0.55 |
| | The Helder ... | 29.96 | 62 | NNW | 3 | c | 30.03 | +.12 | 61 | 57 | −1 | NNW | 2 | b | 2 | c | * | 64 | 55 | — |
| Belgium. | Brussels ... | * | * | * | * | * | 30.06 | +.11 | 61 | 56 | +1 | NNW | 3 | 0 | * | c | * | 71 | 54 | — |
| | Cape Gris Nez ... | 29.97 | 62 | E | 2 | c | 30.04 | +.11 | 60 | 57 | −1 | E | 1 | 0 | 1 | c | * | 68 | 57 | — |
| | Paris ... ... | 29.94 | 66 | NE | 1 | 0 | 30.03 | +.09 | 59 | 57 | 0 | N | 2 | 0 | * | 0 | * | 73 | 57 | 0.04 |
| | Brest ... ... | 29.83 | 65 | NW | 2 | b | 29.99 | −.02 | 60 | 56 | +1 | ENE | 1 | c | 1 | b | * | 70 | 55 | — |
| | Lorient ... ... | 29.96 | 68 | W | 4 | 0 | ? | ? | 55 | 54 | −2 | ENE | 2 | 0 | 2 | 0 | * | 72 | 54 | — |
| France & | Rochefort ... | 29.96 | 73 | NW | 4 | bc | 30.00 | +.04 | 65 | 64 | +1 | SE | 2 | bc | * | bc | * | 79 | 61 | — |
| | Belfort ... ... | | | | | | | | | | | | | | * | | * | | | |
| | Lyons ... ... | 29.92 | 66 | NNW | 1 | bc | 29.97 | +.04 | 63 | 60 | +3 | N | 1 | b | * | bc | * | 76 | 56 | — |
| | Nice ... ... | 29.85 | 68 | W | 1 | b | 29.89 | +.04 | 65 | 60 | −2 | E | 1 | b | 1 | b | * | 75 | 59 | — |
| | Perpignan ... | 29.91 | 72 | SW | 2 | 0 | 29.96 | +.01 | 70 | 64 | +2 | SW | 2 | b | * | 0 | * | 82 | 62 | — |
| | Biarritz ... | 29.97 | 69 | W | 3 | c | 29.92 | −.03 | 64 | 61 | −2 | E | 3 | b | 2 | c | * | 69 | 57 | 0.24 |
| Peninsula. | Corunna ... | 29.94 | 64 | NW | 3 | b | 29.85 | −.19 | 69 | 62 | +4 | N | 1 | b | 1 | b | * | 84 | 54 | 0.20 |
| | Lisbon ... ... | 29.91 | 64 | NNE | 4 | bc | 29.86 | −.10 | 68 | 64 | +3 | NNW | 3 | bc | * | bc | * | 75 | 63 | — |
| | Azores (P. Delgada) | 30.23 | 72 | NNW | 2 | bc | 30.18 | −.09 | 75 | 69 | +6 | NNW | 4 | b | 3 | bc | * | 77 | 70 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday* Southport 10.3 hrs; Eastbourne 11.6 hrs. Hastings (St Leonards) 11.7 hrs

# WEATHER CHARTS

FOR ..... Sunday, 2nd August, ..... 1896.

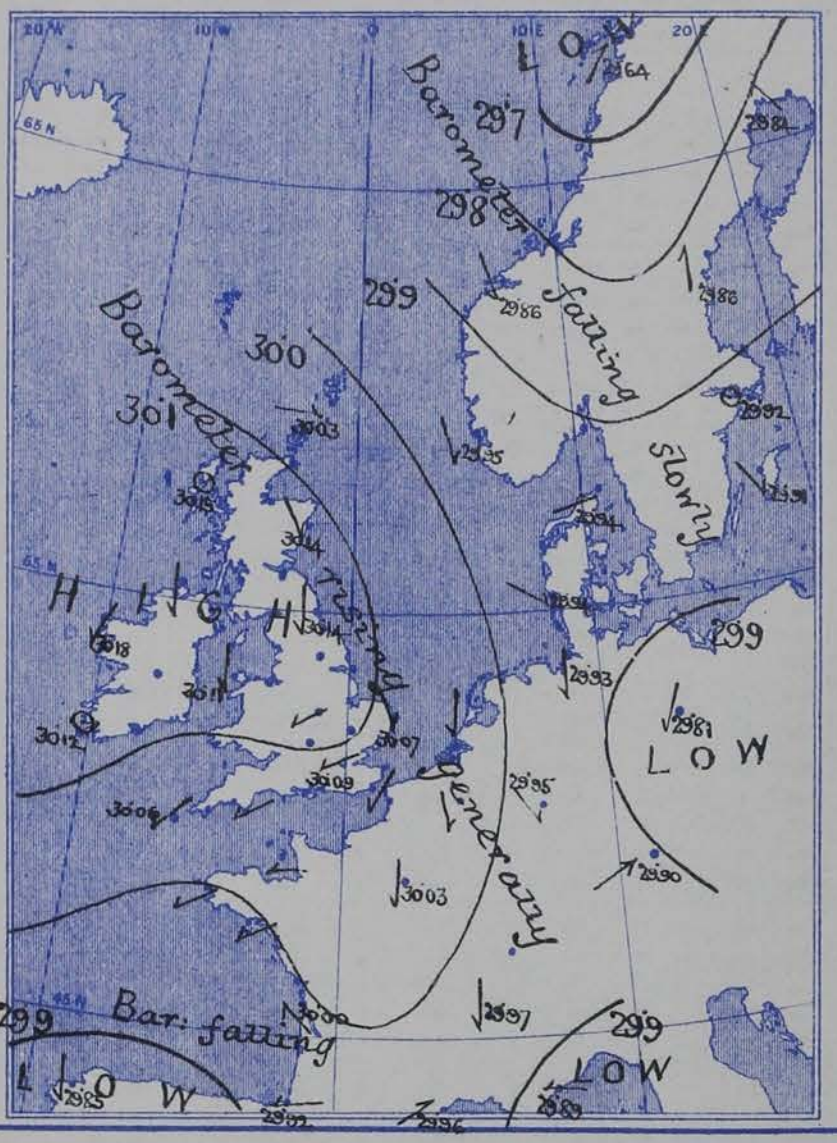
## BAROMETER, WIND AND SEA.

*BAROMETER—Isobars are drawn for each tenth of an inch.*

*WIND—Arrows shew Directions and Force, flying with the wind.*

*Force above 10* ⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙

*SEA—Rough* ; *High*

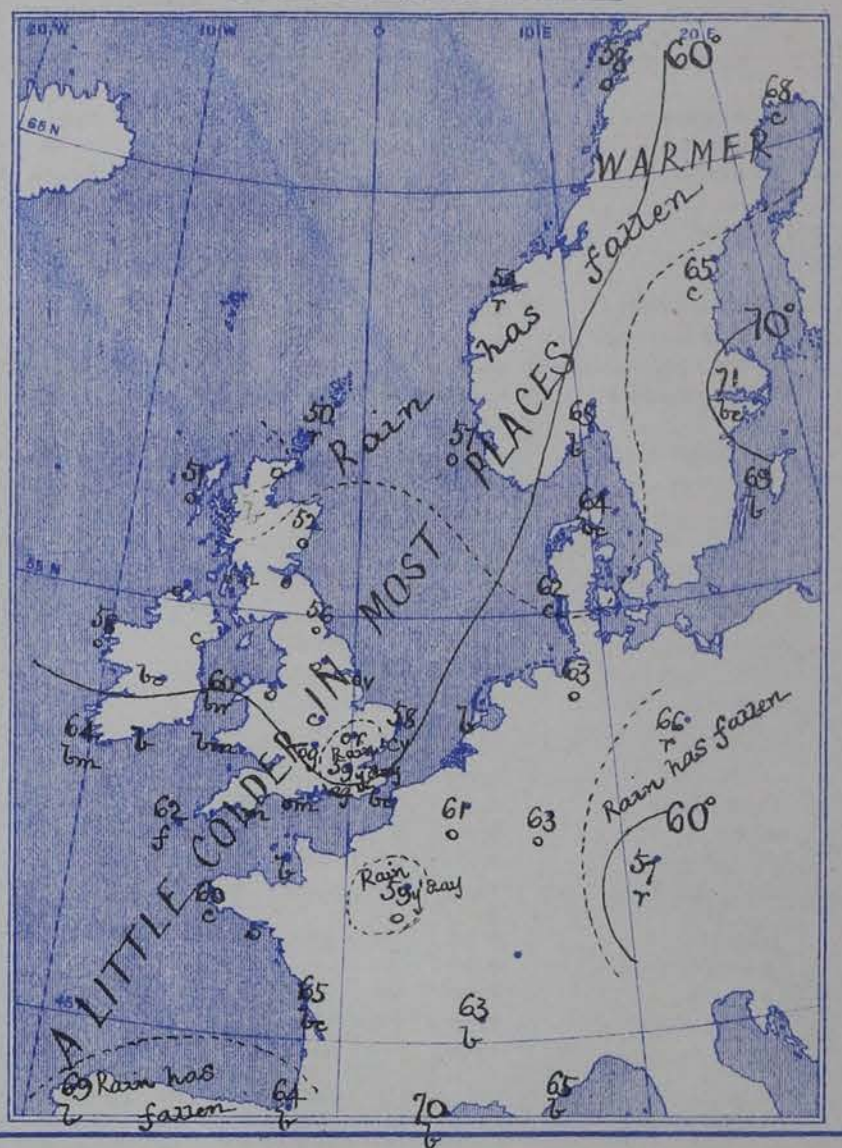



## TEMPERATURE & WEATHER.

*TEMPERATURE—Isotherms are drawn for each 10°.*

*WEATHER—Shown by Letters of the Beaufort Scale.*

*RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.*




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 · 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 · 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 · 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 · 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 · 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.1 ins. and upwards in an anticyclone lying over all but the N^rn. parts of our Islands.
Lowest 29.1 ins. and less in a depression over the NW. of Norway, 29.9 ins. and less in two shallow systems, – one lying over Germany and the other over the Spanish Peninsula.
Gradients slight. Barometer rising slightly at all but the Scandinavian stations and those over the Spanish Peninsula and the extreme SW. of France.

**TEMPERATURE**

Highest (1) 71° at Stockholm 69° at Karlstad and Wisby, and 68° at Haparanda; (2) 70° at Perpignan, 69° at Coruuna, and 68° at Lisbon.
Lowest (1) 50° at Sumburgh R., 51° at Stornoway, 52° at Aberdeen, and 53° at Wick & Nairn; (2) 57° at Munich and 56° at Paris.
During yesterday the thermometer rose to 70° or a little more at several of our W^rn. and N^rn. stations, in the N. of Scotland it did not reach 60°.

**WIND**

Light from the N^rd. over the northern parts of our Islands generally and also over the Netherlands, but from the NE^rd. or E^rd. in our south and the French coast.
Moderate to fresh from the NW on the eastern shores of the North Sea; light from the S^rd. over the northern parts of Scandinavia; variable in the south of Sweden.

**WEATHER**

Dull in most parts of Gt. Britain and also in the W. of Norway and in Germany; rain falling at Cambridge, as well as at Christiansund, Berlin and Munich.
Fine in nearly all other parts of our area.
Slight rain fell yesterday in the N. of Scotland and larger amounts at some of the Continental stations.

**SEA**

Slight or smooth generally.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

→

# FORECASTS

*For the 24 hours ending at NOON on* 3^rd. AUGUST 1896.

| DISTRICTS. | | FORECASTS. | DISTRICTS. | | FORECASTS. |
|---|---|---|---|---|---|
| 0 | SCOTLAND NORTH | NONE ISSUED | 6 | SCOTLAND WEST | NONE ISSUED |
| 1 | SCOTLAND EAST | | 7 | ENGLAND N.W. | |
| 2 | ENGLAND N.E. | | 8 | ENGLAND S.W. | |
| 3 | ENGLAND EAST | | 9 | IRELAND NORTH | |
| 4 | MIDLAND COUNTIES | | 10 | IRELAND SOUTH | |
| 5 | ENGLAND SOUTH | | | WARNINGS | NONE ISSUED. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29·80 | 63 | 62 | S | 2 | o | 3 |
| Sumburgh Head | 29·95 | 53 | 51 | NNE | 3 | o | 3 |
| Stornoway .. .. | 30·04 | 57 | 53 | E | 3 | o | 3 |
| Aberdeen ... ... | 30·01 | 55 | 51 | NW | 2 | o | 2 |
| Shields ... ... | 30·03 | 58 | 54 | NNE | 2 | o | 4 |
| Ardrossan ... ... | 29·99 | 62 | 60 | SE | 2 | bm | 1 |
| Malin Head .. | 30·03 | 61 | 59 | N | 1 | b | 1 |
| Belmullet ... ... | 30·06 | 61 | 57 | NNE | 4 | b | * |
| Holyhead ... ... | 29·99 | 65 | 63 | N | 2 | b | 1 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30·00 | 65 | 61 | W | 2 | bcm | 3 |
| Scilly ... ... | 29·95 | 70 | 65 | ESE | 1 | b | 1 |
| Jersey ... ... | 29·99 | 72 | 64 | WNW | 3 | bc | 3 |
| Hurst Castle ... | 29·99 | 69 | 63 | SW | 3 | cm | 1 |
| Dungeness ... | 29·77 | 68 | 66 | ENE | 3 | b | 2 |
| North Foreland | 30·00 | 65 | 60 | N | 2 | bc | 2 |
| London (Westminster) | 29·98 | 70 | 61 | NE | 2 | c | * |
| Yarmouth ... | 29·99 | 64 | 59 | NNE | 3 | b | 2 |
| Rochefort ... | 29·98 | 77 | 70 | NW | 3 | bc | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine in the western and southern parts of our Islands and France and also over the Spanish Peninsula, Russia and the Baltic. Cloudy or dull elsewhere, with rain at Skagen as well as at Lyons, Florence, and Trieste. Slight rain falling later in the north of Scotland, and larger amounts in several parts of Scandinavia, Denmark, Germany, and the south of France.

Temperature changed rather irregularly, but fallen a little in most places. Morning readings highest 82° at Athens, 81° at Palma and La Calle, and 77° at Algiers and Tunis, above 70° over the central and southern parts of Russia and also in the south of Sweden. Lowest (1) 52° at Sumburgh Head, and 53° at Stornoway; Wick, and Aberdeen; (2) 54° at Belfast, 57° at Limoges, and 58° at Le Mans. Daily means below 60° in the north of Scotland, but slightly above 70° at several of our southern stations. Exceeding 75° in Central Sweden and also over Spain and the south of France, reaching 82° at Stockholm and Perpignan, and 84° at Corunna.

Wind light from the NW$^{ly}$ or N$^{rly}$ over the North Sea and the eastern parts of Great Britain, but from the NE$^{ly}$ in other parts of our Islands and also in the north of France. Variable over Scandinavia, light from the E$^{ly}$ or SE$^{ly}$ over Russia and Eastern Germany. Variable over Southern Europe and the Mediterranean. No important change occurring over Western Europe during day.

Barometer 30·1 ins: and upwards over Northern Russia; 30·0 ins: and upwards in an area lying over Scotland and to the westward of Ireland, and also in other systems lying respectively off the Portuguese coasts and over the south of Russia. Lowest 29·8 ins: and less, in four small depressions,—one lying over the south of Norway, another over the central parts of the Adriatic, the third between Sardinia and Sicily, and the fourth over Morocco. Norwegian depression subsequently moving northwards; no important change occurring over Western Europe during day.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Monday 3rd August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | Weather | Barometer. | | Temperature. | | | Wind. | | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Temp. | | Rainfall. |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | | | | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29.71 | 61 | S | 4 | o | 29.69 | — .15 | 60 | 60 | — 5 | S | 2 | r | # | o | * | 72 | 48 | — |
| | Hernösand ... | 29.71 | 67 | SW | 4 | bc | 29.81 | — .05 | 62 | 54 | — 3 | NW | 4 | c | # | bc | * | 72 | 59 | — |
| | Stockholm ... | 29.86 | 71 | 2 | o | b | 29.75 | — .17 | 68 | 66 | — 3 | E | 2 | o | # | b | * | 79 | 61 | 0.04 |
| | Wisby ... ... | 29.82 | 70 | SE | 2 | b | 29.74 | — .17 | 69 | 68 | o | SE | 4 | c | # | b | * | 73 | 61 | 0.28 |
| | Karlstad ... | 29.82 | 67 | WSW | 2 | b | 29.77 | — .14 | 63 | 59 | — 6 | NW | 2 | o | # | b | * | # | # | — |
| | Bodö ... ... | 29.74 | 54 | SW | 4 | c | 29.74 | + .10 | 54 | 51 | — 4 | SW | 6 | o | 3 | c | * | 59 | 48 | 0.04 |
| | Christiansund ... | 29.85 | 53 | W | 5 | o | 29.91 | + .05 | 52 | 49 | — 2 | W | 3 | o | 3 | o | # | 54 | 48 | 0.16 |
| | Skudesnaes ... | 30.00 | 55 | NW | 4 | o | 29.89 | — .06 | 57 | 53 | o | NW | 4 | c | 2 | o | # | 57 | 52 | * |
| | Færder (Christiania Fjord) | 29.82 | 64 | SSW | 2 | bc | 29.76 | — .15 | 61 | 56 | — 4 | NNW | 3 | o | 2 | bc | # | 65 | 61 | — |
| | Skagen (The Scaw) | 29.87 | 62 | WSW | 2 | b | 29.76 | — .18 | 63 | 61 | — 1 | WSW | 2 | b | o | b | * | 70 | 57 | — |
| | Fanö ... ... | 29.94 | 60 | NW | 6 | c | 29.88 | — .06 | 59 | 53 | — 3 | NW | 6 | c | * | c | # | 70 | 57 | — |
| British Islands. | Sumburgh Head | 29.97 | 55 | W | 3 | o | 29.95 | — .08 | 53 | 50 | + 3 | NNE | 1 | c | 2 | o | # | 56 | 43 | — |
| | Stornoway ... | 30.10 | 59 | NNW | 3 | c | 30.02 | — .13 | 54 | 52 | + 3 | NNW | 3 | o | 3 | o, c | 3.0 | 59 | 50 | 0.05 |
| | Wick ... ... | 30.09 | 56 | N | 1 | c | 30.00 | — .12 | 56 | 55 | + 3 | N | 1 | o | o | c | * | 58 | 43 | — |
| | Nairn ... ... | 30.08 | 58 | E | 1 | bc | 29.99 | — .13 | 55 | 52 | + 2 | W | 1 | o | 1 | bc | # | 61 | 46 | — |
| | Aberdeen ... | 30.11 | 54 | S | 1 | o | 30.01 | — .13 | 55 | 50 | + 3 | W | 1 | cW | 1 | o | 0.3 | 60 | 44 | — |
| | Leith ... ... | 30.10 | 58 | 2 | o | o | 30.04 | — .12 | 58 | 54 | + 4 | SSW | 2 | c | * | o | * | 61 | 52 | — |
| | Shields ... ... | 30.12 | 57 | NE | 1 | o | 30.03 | — .11 | 56 | 53 | o | SW | 1 | c | 3 | o | * | 61 | 53 | — |
| | Spurn Head ... | 30.12 | 59 | N | 3 | c | 30.06 | — .05 | 60 | 55 | + 2 | WNW | 2 | bc | 3 | c | * | 62 | 54 | — |
| | York ... ... | 30.12 | 60 | NE | 1 | o | 30.06 | — .07 | 57 | 52 | + 1 | S | 1 | o | * | o | 0.1 | 63 | 53 | — |
| | Loughborough ... | 30.11 | 63 | ENE | 2 | bc | 30.09 | — .04 | 55 | 53 | — 2 | SSE | 1 | cmw | * | c, bc, fm | # | 66 | 46 | — |
| | Ardrossan ... | 30.08 | 63 | W | 2 | c | 30.04 | — .07 | 56 | 53 | o | NW | 4 | o | 2 | c | * | 65 | 50 | — |
| | Malin Head ... | 30.16 | 55 | N | 4 | o | 30.10 | + .02 | 56 | 55 | + 1 | NNW | 4 | c | 2 | o | * | 57 | 53 | — |
| | Belmullet ... | 30.10 | 57 | N | 2 | o | 30.19 | + .01 | 59 | 53 | + 1 | N | 2 | bc | * | o | # | 60 | 53 | — |
| | Donaghadee ... | 30.12 | 59 | NNW | 5 | c | 30.09 | — .05 | 58 | 54 | + 2 | NNW | 6 | b | 4 | c | * | 66 | 51 | — |
| | Liverpool (Bidston) | 30.07 | 66 | ESE | 1 | c | 30.05 | — .07 | 60 | 56 | + 3 | 2 | o | c | 1 | cm | * | 69 | 54 | — |
| | Holyhead ... | 30.11 | 58 | NW | 3 | b | 30.09 | — .02 | 57 | 55 | — 3 | N | 4 | c | 3 | b | # | 60 | 54 | — |
| | Parsonstown ... | 30.13 | 65 | N | 1 | bc | 30.16 | .00 | 56 | 53 | — 1 | NW | 1 | o | * | bc | 8.9 | 67 | 52 | — |
| | Valencia ... | 30.13 | 69 | NE | 2 | bcm | 30.18 | + .06 | 59 | 54 | — 5 | NE | 4 | bc | 3 | bcm | 11.8 | 69 | 53 | — |
| | Roche's Point ... | 30.12 | 65 | ESE | 1 | c | 30.18 | + .06 | 57 | 54 | — 4 | N | 3 | bc | 3 | m, c | # | 67 | 54 | — |
| | Pembroke (St. Ann's Hd.) | 30.08 | 65 | NE | 4 | b | 30.10 | + .02 | 58 | 55 | — 3 | NE | 4 | og | 2 | b | 8.1 | 69 | 55 | — |
| | Scilly ... ... | 30.06 | 67 | N | 1 | b | 30.06 | .00 | 64 | 60 | + 2 | ENE | 3 | b | 1 | b | 10.2 | 71 | 60 | — |
| | Prawle Point ... | 30.06 | 62 | ENE | 1 | c | 30.07 | .00 | 64 | 60 | o | ENE | 1 | m | 1 | c, m | # | 69 | 55 | — |
| | Jersey (St. Aubin's) | 30.04 | 69 | NE | 3 | b | 30.07 | + .01 | 66 | 58 | — 1 | E | 4 | b | 3 | b | # | 74 | 59 | — |
| | Hurst Castle ... | 30.08 | 65 | S | 1 | cm | 30.08 | .00 | 60 | 56 | — 2 | ENE | 1 | ow | 1 | cm | # | 69 | 58 | — |
| | Dungeness ... | 30.05 | 65 | NE | 3 | c | 30.05 | — .01 | 57 | 54 | — 5 | NNW | 3 | bc | 1 | c | # | 67 | 48 | — |
| | North Foreland | 30.08 | 61 | NE | 2 | o | 30.08 | — .01 | 60 | 55 | — 2 | N | 3 | bc | 2 | o | # | 65 | 55 | — |
| | London (Brixton) ... | 30.08 | 63 | ENE | 2 | c | 30.07 | — .02 | 59 | 54 | o | NE | 1 | bc | * | dpg, c | 0.2 | 66 | 47 | 0.01 |
| | Oxford ... ... | 30.10 | 60 | ENE | 1 | bc | 30.08 | — .03 | 57 | 53 | o | SE | 1 | og | * | o, bc | # | 67 | 52 | — |
| | Cambridge ... | 30.11 | 61 | N | 1 | o | 30.09 | — .03 | 55 | 53 | — 3 | NNE | 1 | o | * | o | 1.2 | 65 | 45 | — |
| | Yarmouth ... | 30.09 | 60 | N | 3 | bc | 30.04 | — .03 | 57 | 54 | — 1 | NW | 2 | bc | 2 | bc | * | 63 | 50 | — |
| Germany & Holland. | Cuxhaven ... | 29.91 | 65 | N | 2 | o | 29.90 | — .03 | 59 | 59 | — 4 | NNW | 4 | o | * | o | * | 65 | 57 | 0.08 |
| | Berlin ... ... | 29.73 | 69 | NW | 2 | bc | 29.78 | — .03 | 64 | 62 | — 2 | NW | 3 | o | * | bc | * | 81 | 64 | — |
| | Wiesbaden ... | * | * | * | * | * | 30.02 | + .07 | 60 | 57 | — 3 | NW | 1 | o | * | * | * | 66 | 52 | 0.04 |
| | Munich ... .. | 30.04 | 55 | W | 3 | c | 30.08 | + .18 | 57 | 54 | o | W | 3 | b | * | c | * | 59 | 50 | 0.35 |
| | The Helder ... | | | | | | | | | | | | | | | | * | | | |
| Belgium. & France | Brussels ... | * | * | * | * | * | 30.04 | — .02 | 59 | 56 | — 2 | W | 2 | o | * | o | * | 67 | 52 | — |
| | Cape Gris Nez ... | 30.04 | 61 | E | 2 | bc | 30.01 | — .03 | 61 | 58 | + 1 | NE | 1 | c | 1 | bc | * | 68 | 57 | — |
| | Paris ... ... | 30.01 | 69 | NE | 3 | b | 30.06 | + .03 | 57 | 54 | — 2 | NE | 1 | b | * | b | * | 71 | 51 | — |
| | Brest ... .. | 29.96 | 73 | ENE | 2 | b | 30.01 | + .02 | 59 | 58 | — 1 | E | 3 | b | 2 | b | * | 81 | 55 | — |
| | Lorient .. ... | 30.03 | 72 | NNW | 3 | b | 29.99 | ? | 61 | 58 | + 6 | ENE | 4 | b | 2 | b | * | 75 | 54 | — |
| Peninsula. | Rochefort ... | 29.93 | 76 | NW | 4 | bc | 29.96 | — .04 | 65 | 64 | o | E | 4 | bc | * | bc | * | 81 | 63 | — |
| | Belfort ... ... | 29.95 | 63 | ESE | 2 | bc | 29.99 | | 57 | 56 | | NE | 1 | m | * | bc | * | 76 | 51 | 0.04 |
| | Lyons ... | 29.93 | 72 | N | 1 | b | 29.99 | + .02 | 60 | 57 | — 3 | ENE | 1 | c | * | b | * | 77 | 58 | — |
| | Nice ... ... | 29.92 | 69 | SE | 1 | b | 29.95 | + .06 | 67 | 62 | + 2 | E | 1 | bc | 1 | b | * | 79 | 59 | — |
| | Perpignan ... | 29.90 | 75 | SE | 2 | b | 29.94 | — .02 | 68 | 66 | — 2 | NE | 2 | o | * | b | * | 81 | 63 | — |
| | Biarritz ... | 29.80 | 78 | ENE | 5 | c | 29.83 | — .09 | 69 | 64 | + 5 | S | 4 | c | 1 | c, tlr | * | 81 | 64 | 0.28 |
| | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 29.79 | 66 | SSW | 4 | o | 29.79 | — .07 | 65 | 63 | — 3 | SSE | 3 | o | * | o | * | 75 | 64 | 0.12 |
| | Azores (P. Delgada) | 30.17 | 74 | NNW | 4 | bc | 30.12 | — .06 | 74 | 69 | — 1 | NNE | 4 | b | 2 | bc | * | 81 | 70 | 0.04 |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 10 hrs; Eastbourne 14 hrs.*

# WEATHER CHARTS

FOR ..... Monday, 3rd August, ..... 1896.

## BAROMETER, WIND AND SEA.

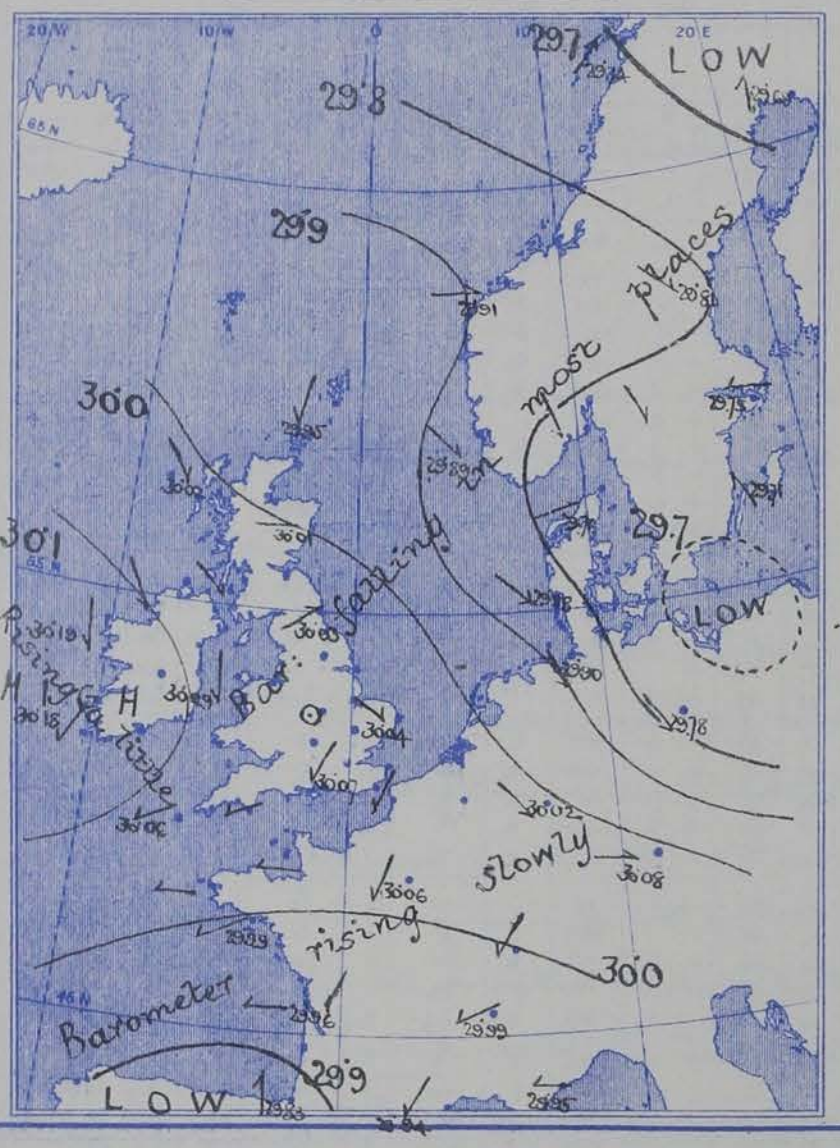
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

*Force above 10* ⇉ ; *Force 5 to 7* ⟶ : } Calm ⊙

*Force 8 to 10* ↠ ; *Force 1 to 4* → ; }

*SEA*—Rough ▤ ; *High* ▩

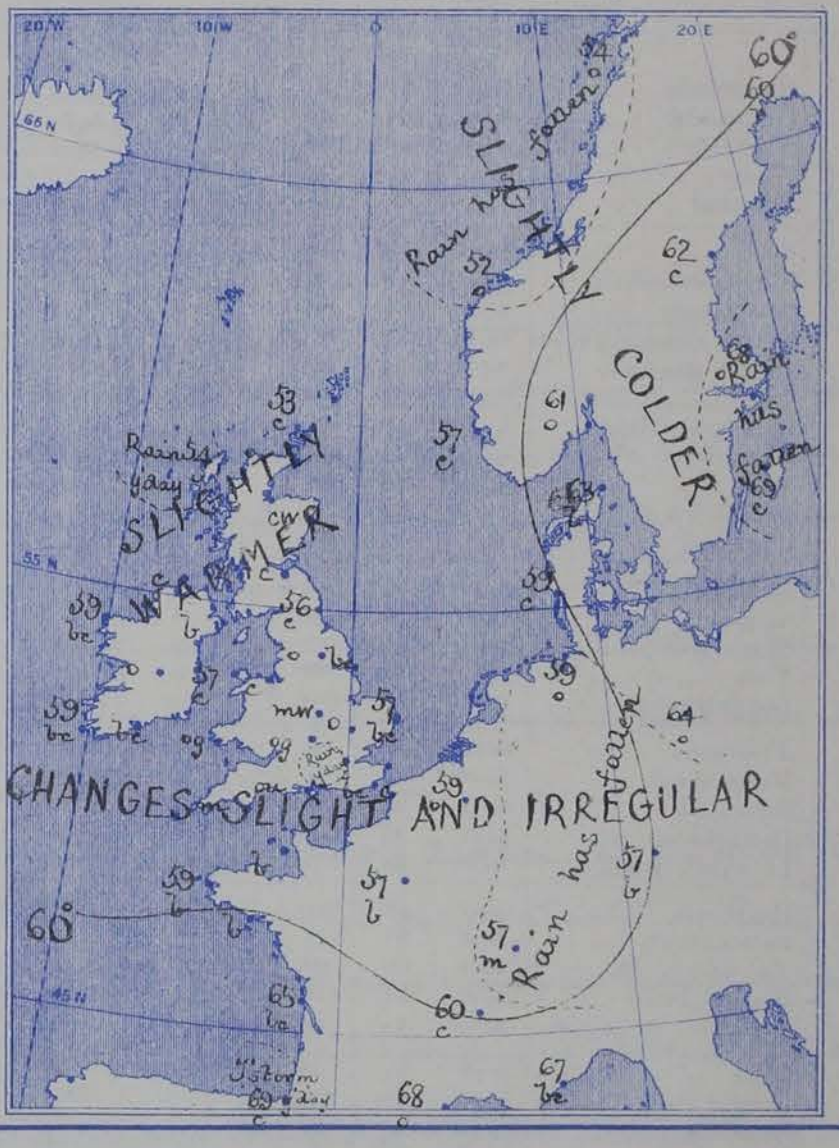



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 · 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 · 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 · 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 · 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 · 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE** — Highest 30·1 ins. and upwards in an anticyclone lying over and to the westward of Ireland. Lowest 29·7 ins. and less in a depression over the N. of Scandinavia, and also, apparently in another disturbance over the Baltic; 29·8 ins. and less in a third system over Portugal. Gradients slight. Barometer rising in France and Germany, but falling a little in most other parts of our area.

**TEMPERATURE** — Highest (1) 69° at Biarritz, 68° at Perpignan, and 67° at Nice; (2) 69° at Wisby, and 68° at Stockholm. Lowest 52° at Christiansund, 53° at Scarborough N., 54° at Bodö and Stornoway, and 55° at Nairn, Aberdeen, Loughborough and Cambridge. The maxima registered yesterday were below 60° on our extreme N. and NW. coasts, and below 70° in all parts of the Kingdom excepting the Scilly and Channel Islands.

**WIND** — Light to moderate from the NW^nd. over the northern parts of our Islands generally, and also in Norway, Denmark and Germany, but SW^ly. on our northeast coasts. Light from the E^nd. or NE^nd. over France and the south of our Islands. E^ly. or SE^ly. in the south of Sweden.

**WEATHER** — Fair or fine over western Europe as a whole, but dull in the northern and central parts of the United Kingdom, as well as at most of the Scandinavian and German stations, with rain at Haparanda. Slight rain fell yesterday at Stornoway and in London, and larger amounts at some of the Scandinavian and German stations. A thunderstorm, with rain occurred at Biarritz. Aurora was seen at Wick.

**SEA** — Slight or smooth generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather.

# FORECASTS

*For the 24 hours ending at NOON on* 4TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | NW^ly. winds, light, cloudy, local showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW^ly. to W^ly. winds, light, cloudy, local showers. |
| 3 | ENGLAND EAST | Same as No. 5. |
| 4 | MIDLAND COUNTIES | Light variable airs, fair generally. |
| 5 | ENGLAND SOUTH | NE^ly. winds, light, fair generally. |
| 6 | SCOTLAND WEST | N^ly. and NW^ly. winds, moderate, fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as No. 5. |
| 9 | IRELAND NORTH | Same as Nos. 6 and 7. |
| 10 | IRELAND SOUTH | Same as No. 5. |
| | WARNINGS | None issued |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 30·01 | 57 | 54 | NNW | 6 | 0 | 2 |
| Sumburgh Head | | | | | | | |
| Stornoway .. .. | 30·13 | 58 | 53 | W | 3 | 0 | 3 |
| Aberdeen ... ... | | | | | | | |
| Shields ... ... | | | | | | | |
| Ardrossan ... ... | | | | | | | |
| Malin Head ... | 30·16 | 56 | 54 | N | 4 | 0 | 2 |
| Belmullet ... ... | 30·21 | 60 | 53 | NE | 3 | 0 | * |
| Holyhead ... ... | | | | | | | |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | | | | | | | |
| Scilly ... ... | | | | | | | |
| Jersey ... ... | 30·06 | 73 | 64 | ENE | 4 | 6 | 3 |
| Hurst Castle ... | | | | | | | |
| Dungeness ... | 30·07 | 66 | 60 | NE | 3 | c | 2 |
| North Foreland | 30·08 | 65 | 57 | N | 2 | 0 | 2 |
| London (Westminster) | | | | | | | * |
| Yarmouth ... | | | | | | | |
| Rochefort ... | 29·98 | 79 | 70 | NW | 3 | bc | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

*Continental information not received.*

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.
FROM THE 26TH JULY TO 1ST AUGUST 1896.

The weather of last week was somewhat changeable, the rainfall over our southern and southeastern counties being heavier than for some considerable time past.

At the commencement of the period the barometrical depression which had hitherto moved northwards along our western coasts travelled in an easterly direction across Scotland and finally in a northeasterly direction to Scandinavia. A small secondary disturbance was at the same time observed over our southwestern districts and on the 26th, when this moved northeastwards across England thunderstorms were experienced in many parts of the country, with heavy rain in places

As the disturbances moved away an anticyclone spread temporarily over our Islands from the westward and fair dry weather set in generally. On the night of the 28th however, a well marked depression appeared off our northwest coasts, so that showery unsettled weather again set in over the United Kingdom, with strong winds from the SE^wd. or S^wd. on our NW. coasts. 24 hours later the depression moved in a SSE^ly direction across Ireland, while on the 30th and 31st it passed away over France and dispersed, these changes being accompanied by a continuance of showery weather in many parts of Ireland and England.

At the close of the week barometrical pressure, though very uniform, was highest in the north, the wind being generally light from the NE^wd. and the weather fair, with some tendency for an increase in temperature.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow, t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

# DAILY WEATHER REPORT

*for 8 a.m. on* Tuesday 4th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | Weather | Barometer. | | Temperature. | | | Wind. | | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Temp. | | Rainfall. |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | | | | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | Ins | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29.75 | 59 | NNW | 2 | b | 29.77 | + .08 | 59 | 54 | — 1 | NNW | 2 | c | * | b | * | 72 | 59 | — |
| | Hernösand ... | 29.80 | 61 | NW | 2 | c | 29.78 | — .03 | 58 | 51 | — 4 | NW | 4 | o | * | c | * | 66 | 55 | — |
| | Stockholm ... | 29.70 | 64 | N | 2 | o | 29.60 | — .15 | 63 | 61 | — 5 | N | 4 | r | * | o | * | 75 | 61 | 0.39 |
| | Wisby ... ... | 29.66 | 67 | N | 4 | o | 29.53 | — .21 | 67 | 64 | — 2 | NNW | 4 | o | * | o | * | 72 | 54 | 0.08 |
| | Karlstad ... | 29.73 | 66 | E | 2 | o | 29.71 | — .06 | 57 | 54 | — 6 | NE | 4 | r | * | o.r | * | * | * | 0.24 |
| | Bodö ... ... | 29.86 | 52 | SW | 4 | c | 29.94 | + .10 | 51 | 49 | — 3 | SW | 2 | c | 1 | c | * | 57 | 48 | 0.35 |
| | Christiansund ... | 29.97 | 53 | WNW | 2 | bc | 29.97 | + .06 | 52 | 48 | 0 | SE | 1 | bc | 3 | bc | * | 55 | 46 | — |
| | Skudesnaes ... ... | 29.85 | 55 | NW | 6 | c | 29.82 | — .07 | 56 | 53 | — 1 | NNW | 6 | c | 3 | c | * | 61 | 52 | * |
| | Færder (Christiania Fjord) | 29.72 | 66 | NNW | 2 | c | 29.75 | — .01 | 56 | 55 | — 5 | NNE | 5 | o | 3 | c | * | 66 | 56 | 0.04 |
| | Skagen (The Scaw) | 29.75 | 60 | W | 2 | c | 29.70 | — .06 | 62 | 59 | — 1 | W | 2 | c | 0 | c | * | 68 | 54 | — |
| | Fanö ... ... | 29.88 | 58 | NW | 6 | bc | 29.85 | — .03 | 57 | 51 | — 2 | NW | 4 | c | * | bc | * | 64 | 54 | — |
| | Sunburgh Head | 29.87 | 52 | NW | 2 | c | 30.00 | + .05 | 48 | 47 | — 5 | N | 2 | c | 3 | c | * | 56 | 45 | 0.16 |
| | Stornoway ... | 30.04 | 54 | NNE | 3 | o | 30.10 | + .08 | 50 | 49 | — 4 | N | 1 | o | 1 | o | 4.8 | 57 | 45 | 0.04 |
| | Wick ... ... | 30.00 | 52 | N | 1 | o | 30.06 | + .06 | 53 | 52 | — 3 | N | 3 | op | 2 | o | * | 61 | 43 | 0.06 |
| | Nairn ... ... | 29.97 | 55 | W | 1 | r | 30.07 | + .08 | 52 | 49 | — 3 | E | 0 | c | 1 | r | * | 59 | 46 | 0.19 |
| | Aberdeen ... | 29.98 | 53 | E | 1 | 0.29 | 30.05 | + .04 | 53 | 49 | — 2 | N | 3 | c | 2 | ogp.b | 0.1 | 59 | 43 | 0.07 |
| British Islands | Leith ... ... | 29.94 | 58 | E | 0 | r | 30.05 | + .01 | 54 | 49 | — 4 | NE | 2 | c | * | r | * | 67 | 50 | 0.04 |
| | Shields ... ... | 29.95 | 59 | ENE | 1 | o | 30.00 | — .03 | 57 | 53 | + 1 | NNE | 2 | c | 3 | o.r | * | 61 | 53 | 0.10 |
| | Spurn Head ... | 29.94 | 60 | SSE | 4 | o | 29.92 | — .14 | 58 | 56 | — 2 | N | 4 | op | 4 | b.o | * | 66 | 55 | 0.01 |
| | York ... ... | 29.94 | 62 | WSW | 2 | o | 29.95 | — .11 | 56 | 53 | — 1 | NE | 2 | c | * | o | 0.7 | 69 | 51 | — |
| | Loughborough ... | 29.98 | 63 | WNW | 3 | o | 29.97 | — .12 | 57 | 53 | + 2 | WNW | 3 | bc | * | cgm.o.c | * | 69 | 50 | — |
| | Ardrossan ... | 29.97 | 63 | W | 4 | b | 30.06 | + .02 | 57 | 52 | + 1 | NE | 1 | c | 1 | b | * | 64 | 51 | — |
| | Malin Head ... | 30.05 | 57 | WNW | 5 | c | 30.11 | + .01 | 55 | 53 | — 1 | N | 3 | b | 2 | c | * | 58 | 59 | — |
| | Belmullet ... | 30.17 | 58 | NNW | 3 | o | 30.15 | — .04 | 57 | 51 | — 2 | NE | 3 | b | * | o | * | 60 | 53 | — |
| | Donaghadee ... | 30.06 | 58 | NNW | 5 | c | 30.08 | — .01 | 55 | 52 | — 3 | NNE | 6 | c | 4 | c | * | 63 | 48 | 0.01 |
| | Liverpool (Bidston) | 30.01 | 59 | WNW | 4 | o | 29.99 | — .06 | 57 | 51 | — 3 | WNW | 3 | bc | 3 | o | * | 61 | 54 | — |
| | Holyhead ... | 30.06 | 58 | N | 2 | c | 30.03 | — .06 | 56 | 54 | — 1 | NNW | 4 | c | 3 | c | * | 59 | 53 | — |
| | Parsonstown ... | 30.10 | 65 | N | 1 | bc | 30.11 | — .04 | 55 | 51 | — 1 | NW | 2 | bc | * | bc | 8.5 | 67 | 50 | — |
| | Valencia ... | 30.15 | 61 | N | 4 | c | 30.15 | — .03 | 59 | 54 | 0 | NNE | 3 | o | 3 | c | 6.4 | 63 | 53 | — |
| | Roche's Point .. | 30.09 | 67 | N | 3 | c | 30.12 | — .06 | 60 | 56 | + 3 | N | 4 | bc | 3 | c | * | 68 | 55 | — |
| | Pembroke (St. Ann's Hd.) | 30.06 | 58 | NE | 4 | c | 30.06 | — .04 | 59 | 55 | + 1 | NNE | 4 | og | 3 | c | 2.9 | 60 | 54 | — |
| | Scilly .. ... ... | 30.07 | 61 | N | 4 | b | 30.05 | — .01 | 63 | 59 | — 1 | N | 4 | bc | 0 | b | 9.3 | 69 | 58 | — |
| | Prawle Point ... | 30.01 | 60 | WNW | 3 | bc | 30.04 | — .03 | 65 | 58 | + 1 | N | 3 | bc | 2 | bc | * | 70 | 53 | — |
| | Jersey (St. Aubin's) | 30.00 | 69 | NNW | 3 | bm | 30.00 | — .07 | 65 | 61 | — 1 | NW | 3 | cm | 3 | b.bw | * | 75 | 55 | — |
| | Hurst Castle ... | 29.99 | 66 | SSW | 3 | bcm | 30.01 | — .07 | 61 | 56 | + 1 | NNE | 1 | b | 1 | cm.bcm | * | 70 | 56 | — |
| | Dungeness ... | 29.99 | 63 | SSE | 1 | c | 29.93 | — .12 | 59 | 56 | + 2 | NW | 3 | c | 2 | bc.c | * | 68 | 57 | — |
| | North Foreland | 30.00 | 62 | SE | 2 | bc | 29.94 | — .14 | 59 | 56 | — 1 | NW | 3 | c | 2 | bc | * | 64 | 56 | 0.13 |
| | London (Brixton) ... | 29.98 | 65 | E | 0 | og | 29.97 | — .10 | 58 | 54 | — 1 | W | 1 | b | * | c.ogr | 0.8 | 69 | 52 | 0.01 |
| | Oxford ... ... | 29.96 | 65 | W | 2 | o | 29.99 | — .09 | 58 | 52 | + 1 | NW | 2 | b | * | o.p | * | 71 | 50 | 0.06 |
| | Cambridge ... | 29.96 | 67 | SW | 1 | bc | 29.96 | — .13 | 58 | 54 | + 3 | NW | 3 | b | * | bc | 5.0 | 70 | 52 | 0.02 |
| | Yarmouth ... | 29.99 | 61 | ENE | 2 | bv | 29.86 | — .18 | 60 | 57 | + 3 | WNW | 4 | bc | 3 | b.bv | * | 63 | 54 | 0.10 |
| Germany & Holland. | Cuxhaven ... | 29.91 | 59 | WNW | 2 | o | 29.89 | — .01 | 59 | 58 | 0 | W | 4 | c | * | o | * | 63 | 55 | — |
| | Berlin ... ... | 29.88 | 61 | WNW | 5 | c | 29.94 | + .16 | 61 | 54 | — 3 | WNW | 1 | c | * | c | * | 70 | 54 | 0.08 |
| | Wiesbaden ... | * | * | * | * | * | 29.97 | — .05 | 60 | 57 | 0 | NNW | 2 | b | * | * | * | 70 | 55 | — |
| | Munich ... ... | 30.04 | 60 | NE | 2 | bc | 30.05 | — .03 | 60 | 59 | + 3 | W | 3 | bc | * | bc | * | 68 | 52 | 0.04 |
| | The Helder ... | 29.97 | 61 | N | 1 | c | 29.92 | | 57 | 55 | | SSE | 1 | r | 1 | c | * | 63 | 54 | 0.04 |
| Belgium. | Brussels ... | * | * | * | * | * | 29.97 | — .07 | 59 | 56 | 0 | SW | 1 | o | * | b | * | 65 | 57 | 0.04 |
| | Cape Gris Nez ... | 29.97 | 64 | NE | 1 | bc | 29.94 | — .07 | 59 | 57 | — 2 | NW | 2 | m | 2 | bc | * | 68 | 55 | — |
| | Paris ... ... | 29.99 | 68 | NE | 2 | b | 30.01 | — .05 | 58 | 56 | + 1 | NE | 1 | b | * | b | * | 74 | 50 | — |
| | Brest ... ... | 29.98 | 69 | NNE | 3 | b | 30.03 | + .02 | 59 | 55 | 0 | NE | 1 | bc | 1 | b | * | 77 | 50 | — |
| | Lorient ... ... | 29.95 | 83 | WSW | 2 | bc | 30.01 | + .02 | 61 | 55 | 0 | NE | 2 | f | 3 | bc | * | 82 | 52 | — |
| France & | Rochefort ... | 29.91 | 82 | ENE | 3 | b | 29.95 | — .01 | 66 | 61 | + 1 | E | 4 | bc | * | b | * | 91 | 61 | — |
| | Belfort ... | 29.90 | 69 | NE | 1 | m | 29.95 | — .04 | 63 | 59 | + 6 | E | 0 | m | * | m | * | 75 | 56 | — |
| | Lyons ... | 29.98 | 63 | NW | 1 | o | 29.98 | — .01 | 65 | 61 | + 5 | W | 1 | m | * | tr.o | * | 80 | 57 | 0.20 |
| | Nice .. ... | 29.93 | 69 | ENE | 1 | b | 29.93 | — .02 | 70 | 63 | + 3 | E | 0 | b | 1 | b | * | 79 | 61 | — |
| | Perpignan ... | 29.97 | 71 | NE | 3 | o | 29.95 | + .01 | 68 | 65 | 0 | E | 0 | o | * | o | * | 81 | 63 | — |
| | Biarritz ... | 29.82 | 79 | E | 3 | c | 29.89 | + .06 | 69 | 66 | 0 | SSW | 3 | o | 2 | c.b | * | 82 | 68 | — |
| Penin-sula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 29.82 | 66 | SW | 2 | b | 29.86 | + .07 | 65 | 64 | 0 | ESE | 3 | o | * | b | * | 70 | 63 | — |
| | Azores (P. Delgada) | 30.12 | 69 | NE | 3 | bc | 30.12 | .00 | 72 | 67 | — 2 | NNE | 3 | b | 2 | bc | * | 79 | 64 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 2.1 hrs; Eastbourne 10.6 hrs.*

# WEATHER CHARTS

FOR Tuesday. 4th August, 1896.

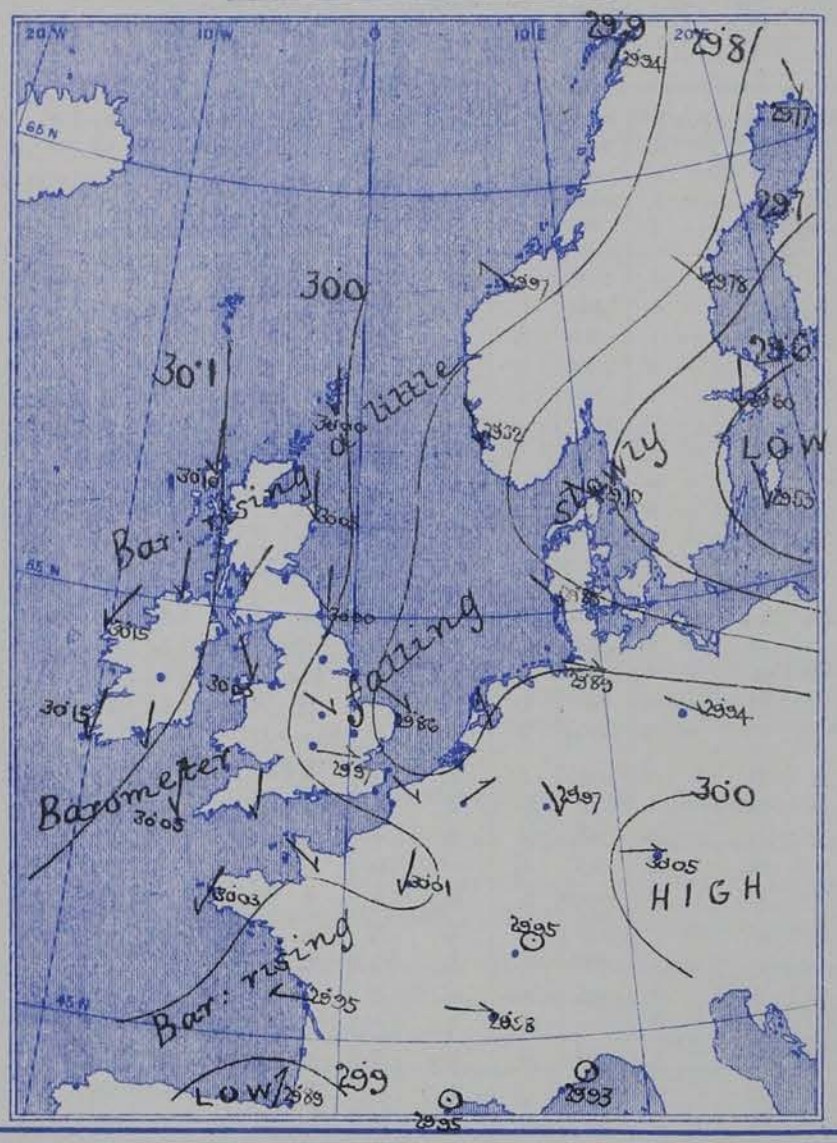
## BAROMETER, WIND AND SEA.

*BAROMETER—Isobars are drawn for each tenth of an inch.*

*WIND—Arrows shew Directions and Force, flying with the wind.*

*Force above 10* ⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

*SEA—Rough* ; *High*




## TEMPERATURE & WEATHER.

*TEMPERATURE—Isotherms are drawn for each 10°.*

*WEATHER—Shown by Letters of the Beaufort Scale.*

*RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.*

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 · 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 · 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 · 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 · 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 · 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30·1 inches and upwards in an anticyclone extending from the Atlantic over Ireland and the extreme west of Scotland.
Lowest 29·6 inches and less in a well marked depression over the northern parts of the Baltic, 29·9 inches and less in a large shallow disturbance over Spain.
Gradients slight. Barometer rising a little on our northern coasts and also in the west of France, but falling in most other parts of our area.

**TEMPERATURE**

Highest (1) 70° at Nice, 69° at Biarritz, 68° at Perpignan and 66° at Rochefort, (2) 67° at Visby and 63° at Stockholm.
Lowest 48° at Dunbeath Head, 50° at Stornoway, 51° at Bodö, 52° at Christiansund, Nairn and Aberdeen, and 53° at Wick.
During yesterday the thermometer rose to 70° and upwards at several of our southern and eastern stations and to 75° at Jersey.

**WIND**

Light to moderate from the Northward on our western and northern coasts and from the Northwestward over the southeastern parts of England, but Southerly over the Netherlands.
Moderate to fresh from the Northwestward over Sweden, Denmark and the South of Norway; light from the Westward in Germany; variable over the greater part of France.

**WEATHER**

Fair or fine over Western Europe generally, but showery at Wick and Spurn Head, and rainy at the Helder, as well as in the south of Sweden.
Since yesterday morning a little rain has fallen in most parts of Great Britain, and also in the neighbouring parts of the Continent. A thunderstorm occurred at Lyons yesterday, and lightning was seen at Biarritz.

**SEA**

Slight or smooth generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Small shallow depressions are moving southwards down the North Sea, and changeable showery weather is therefore likely to prevail at many of our eastern stations, with low temperatures for the time of year.

# FORECASTS

*For the 24 hours ending at NOON on* 5TH AUG. 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | N. winds, light; fair generally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No. 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | N. and NW. winds, light; cool, changeable, some showers. |
| 6 | SCOTLAND WEST | Same as Nos. 0 and 1. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | N. winds, moderate; fair generally, but local showers. |
| 9 | IRELAND NORTH | Same as Nos. 0 and 1. |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.87 | 61 | 54 | NNW | 6 | bc | 2 |
| Sumburgh Head | 29.96 | 54 | 51 | N | 1 | c | 2 |
| Stornoway .. .. | 30.02 | 56 | 52 | NE | 3 | o | 3 |
| Aberdeen ... ... | 29.99 | 52 | 51 | W | 1 | opg | 1 |
| Shields ... ... | 29.98 | 60 | 57 | E | 2 | o | 3 |
| Ardrossan ... ... | 30.00 | 64 | 61 | WNW | 4 | bc | 2 |
| Malin Head ... | 30.08 | 58 | 57 | NW | 5 | o | 2 |
| Belmullet ... ... | 30.23 | 60 | 55 | NNW | 2 | b | * |
| Holyhead ... ... | 30.07 | 58 | 55 | N | 4 | c | 3 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30.07 | 61 | 55 | N | 2 | c | 3 |
| Scilly ... ... | 30.07 | 68 | 63 | NNE | 2 | b | 0 |
| Jersey ... ... | 30.03 | 72 | 62 | NW | 3 | bc | 3 |
| Hurst Castle ... | 30.04 | 67 | 64 | SSW | 1 | cm | 1 |
| Dungeness ... | 30.03 | 66 | 61 | SE | 2 | bc | 1 |
| North Foreland | 30.03 | 64 | 56 | NE | 2 | bc | 2 |
| London (Westminster) | 30.01 | 68 | 59 | E | 0 | o | * |
| Yarmouth ... | 30.02 | 63 | 56 | NNE | 3 | b | 3 |
| Rochefort ... | 29.83 | 87 | 75 | E | 4 | b | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning dull over the northern and central parts of great Britain as well as at the Scandinavian, German and Austrian stations, with rain at Kopstaende and Swinemünde. Fine in nearly all other parts of Europe, but dull at some of the Spanish stations. A little rain falling later in many parts of great Britain, and also in the neighbouring parts of the Continent. Thunderstorm occurring at Tejors and lightning seen at Biarritz.

Temperature changed very irregularly, Morning readings highest (1), 84° at Athens and Sfax, 80° at Malta, and 79° at Palermo and Constantinople. (2), 76° at Riga, 74° at Helsingfors, and 73° at St. Petersburg and Nenfahrwasser. Lowest 52° at Christiansund, 53° at Sumburgh Head and 54° at Bodö and Stornoway. Daily maxima below 60° at several of our northern and northwestern stations, but thermometer reaching 70° or more in the south and east of England, and also in Sweden. Exceeding 80° over the southern parts of France.

Wind light to fresh from the Northwestward over the northern and eastern parts of our Islands generally, and also over Denmark, Germany and the south of Norway. Northeasterly or easterly over the south of our Islands and the greater part of France. Light from the Southward or Southeastward over Russia, but Westerly in Austria and variable over Italy and the Spanish Peninsula. Subsequently shifting to the Eastward on the east coasts of Great Britain, and to the Southward in the southeast of England; no important change occurring elsewhere.

Barometer, Highest 30.1 inches and upwards in an anticyclone lying over and to the westward of Ireland. Lowest 29.7 inches and less in two depressions, one lying over Lapland and the other over the Baltic; 29.8 inches and less in a shallow system over the southwestern parts of the Spanish Peninsula. Slight fall of barometer taking place over Western Europe during day, but general distribution of pressure remaining unchanged.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France: at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Wednesday 5th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | Weather | Barometer. | | Temperature. | | | Wind. | | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Temp. | | Rainfall. |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | | | | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia. | Haparanda ... | 29·67 | 60 | SW | 0 | c | 29·63 | − ·14 | 52 | 52 | − 7 | N | 4 | r | * | c | * | 70 | 52 | 0·04 |
| | Hernösand ... | 29·66 | 60 | NE | 2 | 0 | 29·67 | − ·11 | 55 | 48 | − 3 | ?NW | 6 | f | * | 0 | * | 70 | 54 | — |
| | Stockholm ... | 29·55 | 59 | NNW | 4 | r | 29·62 | + ·02 | 51 | 51 | − 12 | W | 6 | r | * | r | * | 64 | 51 | 1·22 |
| | Wisby ... ... | 29·62 | 60 | NW | 8 | r | 29·71 | + ·18 | 58 | 57 | − 9 | NW | 6 | 0 | * | r | * | 67 | 57 | 0·12 |
| | Karlstad ... | 29·73 | 54 | NNW | 2 | r | 29·77 | + ·06 | 52 | 50 | − 5 | NNW | 2 | r | * | r | * | * | * | 0·35 |
| | Bodö ... ... | 29·90 | 51 | NW | 4 | c | 29·97 | + ·03 | 48 | 42 | − 3 | NNW | 4 | bc | 2 | c | * | 54 | 46 | 0·04 |
| | Christiansund ... | 29·96 | 53 | N | 4 | bc | 30·00 | + ·03 | 54 | 49 | + 2 | SE | 1 | 0 | 2 | bc | * | 57 | 50 | — |
| | Skudesnaes ... | 29·80 | 57 | N | 6 | c | 29·86 | + ·04 | 58 | 55 | + 2 | NNW | 6 | c | 2 | o,c | * | 60 | 52 | * |
| | Færder (Christiania Fjord) | 29·79 | 59 | NE | 3 | 0 | 29·83 | + ·08 | 58 | 52 | + 2 | NNE | 5 | o | 3 | 0 | * | 59 | 55 | 0·04 |
| | Skagen (The Scaw) | 29·77 | 59 | NE | 1 | 0 | 29·82 | + ·12 | 60 | 55 | − 2 | NE | 1 | 0 | 0 | 0 | * | 66 | 57 | — |
| | Fanö ... ... | 29·85 | 57 | W | 4 | b | 29·84 | − ·01 | 58 | 53 | + 1 | W | 4 | b | * | b | * | 64 | 55 | — |
| | Sumburgh Head | 30·02 | 51 | N | 4 | c | 30·07 | + ·07 | 52 | 49 | + 4 | N | 3 | 0 | 3 | o,c | * | 54 | 47 | — |
| | Stornoway ... | 30·17 | 56 | E | 3 | bc | 30·20 | + ·10 | 53 | 50 | + 3 | NNW | 2 | bc | 2 | c,bc | 7·5 | 59 | 44 | — |
| | Wick ... ... | 30·11 | 52 | N | 3 | bc | 30·15 | + ·09 | 56 | 53 | + 3 | N | 4 | bc | 2 | bc | * | 58 | 40 | — |
| | Nairn ... ... | 30·10 | 56 | NNE | 3 | c | 30·17 | + ·10 | 53 | 50 | + 1 | W | 1 | b | 1 | c | * | 58 | 39 | 0·02 |
| | Aberdeen ... | 30·08 | 51 | NNW | 3 | c | 30·13 | + ·08 | 56 | 49 | + 3 | N | 5 | bcq | 4 | p,c | 5·5 | 58 | 47 | 0·01 |
| | Leith ... ... | 30·08 | 57 | SW | 0 | r | 30·17 | + ·12 | 58 | 51 | + 4 | NW | 3 | b | * | r | * | 61 | 49 | 0·04 |
| | Shields ... ... | 30·05 | 57 | N | 3 | c | 30·11 | + ·11 | 53 | 50 | − 4 | NW | 3 | op | 3 | b,c | * | 60 | 50 | — |
| | Spurn Head ... | 30·01 | 57 | N | 5 | cv | 30·08 | + ·16 | 56 | 54 | − 2 | NW | 4 | c | 4 | p,cv | * | 59 | 51 | 0·01 |
| | York ... ... | 29·93 | 59 | N | 3 | bc | 30·11 | + ·16 | 58 | 50 | − 3 | NW | 3 | c | * | bc | 2·7 | 60 | 46 | 0·03 |
| | Loughborough ... | 30·04 | 57 | N | 2 | 0 | 30·13 | + ·16 | 53 | 49 | − 4 | NW | 2 | cmw | * | c,o,bmp | * | 63 | 40 | — |
| British Islands. | Ardrossan ... | 30·07 | 59 | NW | 3 | b | 30·18 | + ·12 | 57 | 53 | 0 | W | 3 | b | 2 | bc,b | * | 60 | 45 | — |
| | Malin Head ... | 30·14 | 53 | N | 4 | 0 | 30·21 | + ·10 | 57 | 55 | + 2 | E | 2 | bc | 1 | 0 | * | 57 | 53 | — |
| | Belmullet ... | 30·19 | 57 | NNE | 3 | bc | 30·22 | + ·07 | 56 | 52 | − 1 | NNE | 3 | bc | * | bc | * | 60 | 51 | — |
| | Donaghadee ... | 30·11 | 57 | N | 6 | bc | 30·20 | + ·12 | 56 | 51 | + 1 | NNE | 6 | b | 4 | bc | * | 62 | 52 | — |
| | Liverpool (Bidston) | 30·04 | 59 | NE | 1 | c | 30·15 | + ·16 | 55 | 50 | − 2 | E | 0 | c | 1 | o,c | * | 63 | 49 | — |
| | Holyhead ... | 30·08 | 57 | N | 3 | bc | 30·14 | + ·11 | 57 | 55 | + 1 | E | 0 | c | 0 | b,bc | * | 59 | 52 | — |
| | Parsonstown ... | 30·12 | 60 | NW | 2 | bc | 30·21 | + ·09 | 54 | 51 | − 1 | E | 0 | bc | * | bc | 6·6 | 63 | 47 | — |
| | Valencia ... | 30·14 | 62 | N | 3 | bc | 30·23 | + ·08 | 55 | 53 | − 4 | NE | 2 | og | 3 | c,bc | 7·2 | 64 | 51 | — |
| | Roche's Point .. | 30·13 | 64 | N | 1 | bc | 30·20 | + ·08 | 56 | 52 | − 4 | N | 3 | bc | 3 | bc | * | 66 | 51 | — |
| | Pembroke (St. Ann's Hd.) | 30·04 | 59 | NE | 4 | b | 30·13 | + ·07 | 57 | 55 | − 2 | E | 3 | og | 2 | b | 8·7 | 60 | 55 | — |
| | Scilly ... ... | 30·07 | 61 | N | 4 | c | 30·07 | + ·02 | 60 | 56 | − 3 | N | 5 | bc | 1 | c | 8·5 | 63 | 56 | — |
| | Prawle Point .. | 30·00 | 62 | NW | 3 | bc | 30·05 | + ·01 | 57 | 54 | − 8 | NE | 6 | c | 5 | bc | * | 72 | 52 | — |
| | Jersey (St. Aubin's) | 30·00 | 66 | NNW | 3 | bc | 30·01 | + ·01 | 65 | 60 | 0 | ENE | 4 | cm | 3 | bc | * | 69 | 55 | — |
| | Hurst Castle ... | 29·97 | 67 | SW | 2 | c | 30·07 | + ·06 | 59 | 54 | − 2 | NNE | 4 | b | 2 | c | * | 71 | 53 | — |
| | Dungeness ... | 29·94 | 66 | NW | 2 | bc | 30·03 | + ·10 | 59 | 54 | − 2 | NNW | 3 | bc | 2 | c,bc | * | 72 | 49 | — |
| | North Foreland | 29·96 | 61 | NE | 4 | c | 30·04 | + ·10 | 59 | 53 | 0 | N | 4 | bc | 3 | bc,c | * | 68 | 55 | 0·01 |
| | London (Brixton) ... | 29·99 | 62 | NW | 2 | 0 | 30·09 | + ·12 | 57 | 51 | − 1 | NE | 2 | b | * | c,b | 8·5 | 70 | 49 | — |
| | Oxford ... ... | 30·03 | 56 | NE | 3 | 0 | 30·11 | + ·12 | 57 | 52 | − 1 | NNE | 2 | b | * | bc,o | * | 68 | 44 | — |
| | Cambridge ... | 30·01 | 58 | NNE | 1 | 0 | 30·10 | + ·14 | 55 | 51 | − 3 | NNW | 4 | b | * | b,o | 7·7 | 68 | 43 | — |
| | Yarmouth ... | 29·95 | 57 | N | 4 | cp | 30·02 | + ·16 | 58 | 53 | − 2 | N | 4 | bc | 4 | cp | * | 63 | 49 | 0·30 |
| Germany & Holland. | Cuxhaven ... | 29·87 | 61 | NNE | 1 | 0 | 29·86 | − ·05 | 57 | 56 | − 2 | W | 1 | bc | * | o,tbr | * | 64 | 55 | 0·47 |
| | Berlin ... ... | 29·92 | 65 | WNW | 1 | b | 29·89 | − ·05 | 63 | 58 | + 2 | WNW | 1 | bc | * | b | * | 72 | 61 | — |
| | Wiesbaden ... | * | * | * | * | * | 29·95 | − ·02 | 60 | 55 | 0 | NW | 1 | bc | * | * | * | 73 | 55 | — |
| | Munich ... .. | 30·02 | 64 | SW | 0 | 0 | 30·01 | − ·04 | 59 | 59 | − 1 | W | 1 | r | * | 0 | * | 75 | 55 | 0·16 |
| | The Helder ... | | | | | | | | | | | | | | | | * | | | |
| France & Belgium. | Brussels ... | * | * | * | * | * | 30·01 | + ·04 | 59 | 53 | 0 | ENE | 1 | b | * | b | * | 69 | 46 | — |
| | Cape Gris Nez .. | 29·95 | 63 | W | 1 | bc | 29·97 | + ·03 | 65 | 61 | + 6 | ESE | 2 | r | 2 | bc | * | 68 | 59 | 0·08 |
| | Paris ... ... | 29·93 | 71 | N | 1 | bc | 29·96 | − ·05 | 58 | 53 | 0 | NNE | 3 | bc | * | b | * | 78 | 55 | — |
| | Brest ... ... | 29·99 | 65 | NNE | 3 | bc | 30·00 | − ·03 | 57 | 54 | − 2 | NE | 1 | bc | 1 | bc | * | 70 | 50 | — |
| | Lorient ... ... | 29·91 | 72 | NE | 6 | c | 29·97 | − ·04 | 56 | 53 | − 5 | N | 4 | bc | 2 | c | * | 79 | 52 | — |
| | Rochefort ... | 29·93 | 74 | WNW | 4 | c | 29·91 | − ·04 | 63 | 61 | − 3 | NNE | 4 | o | * | bc | * | 77 | 59 | — |
| | Belfort ... ... | 29·88 | 70 | S | 2 | 0 | 29·89 | − ·06 | 59 | 58 | − 4 | E | 1 | r | * | o | * | 77 | 59 | — |
| | Lyons ... ... | 29·93 | 70 | W | 1 | t | 29·88 | − ·10 | 64 | 62 | − 1 | ESE | 1 | c | * | tbr | * | 80 | 60 | 0·16 |
| | Nice ... ... | 29·88 | 76 | SW | 1 | b | 29·82 | − ·11 | 76 | 64 | + 6 | W | 0 | b | 0 | b | * | 81 | 68 | — |
| | Perpignan ... | 29·89 | 73 | E | 3 | b | 29·87 | − ·08 | 72 | 67 | + 4 | W | 2 | b | * | b | * | 80 | 62 | — |
| | Biarritz ... | 29·86 | 69 | SE | 3 | t | 29·87 | − ·02 | 68 | 66 | − 1 | SW | 3 | c | 1 | tbr | * | 79 | 66 | 0·28 |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 29·93 | 65 | SW | 3 | b | 30·04 | + ·18 | 69 | 63 | + 4 | NNW | 3 | c | * | b | * | 72 | 63 | — |
| | Azores (P. Delgada) | 30·19 | 69 | NE | 1 | c | 30·23 | + ·11 | 71 | 65 | − 1 | ENE | 1 | b | 2 | c | * | 77 | 64 | 0·04 |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday* Southport 2·8 hrs; Eastbourne 7·8 hrs. Hastings (St Leonard's) 9·0 hrs

# WEATHER CHARTS

FOR Wednesday, 5th August, 1896.

## BAROMETER, WIND AND SEA.

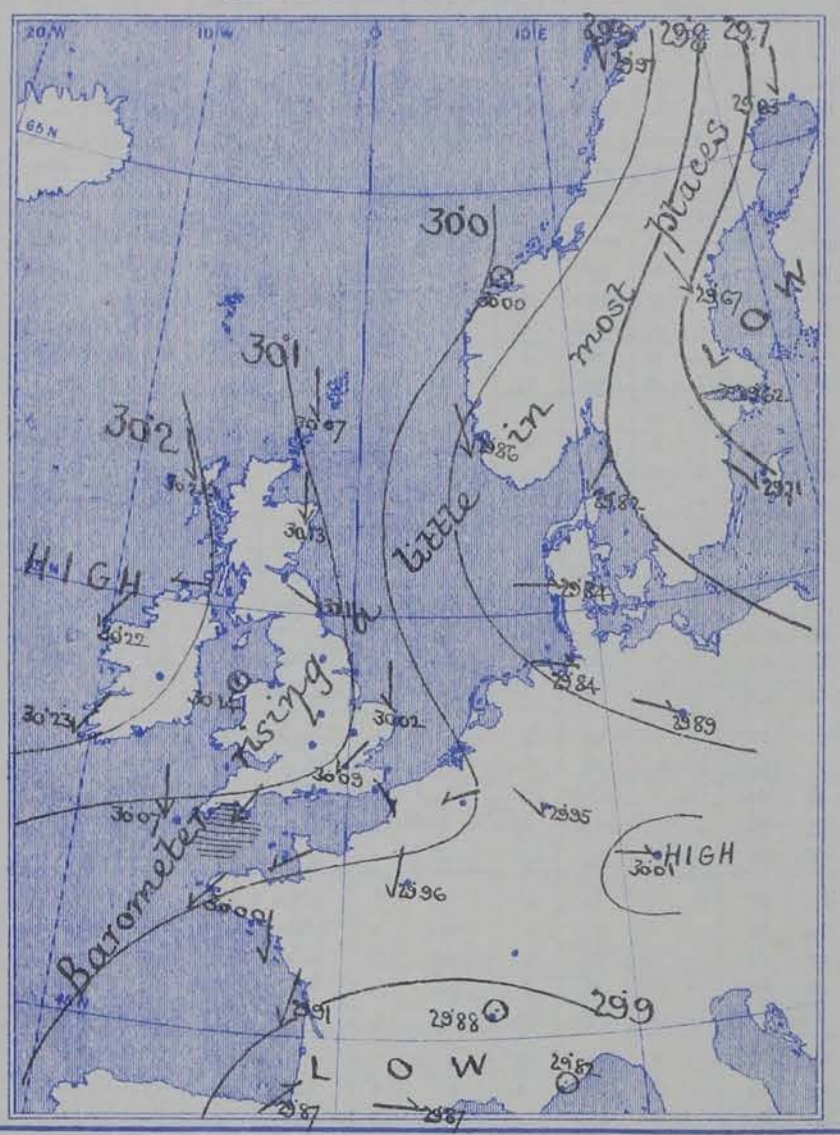
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟫⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ▤ : High ▩




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 · 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 · 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 · 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 · 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 · 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.2 ins. and upwards in an anticyclone extending from the westward over Ireland and the extreme west of Scotland.
Lowest 29.7 ins. and less over the Gulf of Bothnia and the northern part of the Baltic; 29.9 ins. and less over the south of France and the northeast of Spain.
Gradients: slight generally, but moderate over the north of Scandinavia.
Barometer rising a little generally, but falling in Germany and the south of France.

**TEMPERATURE**

Highest 76° at Nice, 72° at Perpignan, 69° at Lisbon, 68° at Biarritz, 65° at Jersey & Cape Gris Nez and 64° at Lyons.
Lowest 48° at Bodo, 51° at Stockholm, 52° at Haparanda, Haldad and Lumburgh Hd., and 53° at Stornoway, Nairn, Shields, York and Loughborough.
The minima registered last night over the inland parts of Gt. Britain were low for the time of year: in the screen the thermometer fell to 39° at Nairn, and 40° at Wick and Loughborough, whilst at the surface of the grass the thermometer at Loughborough fell to 32°.

**WIND**

Light to fresh from the N^wd. or NW^wd. over the northern and eastern parts of our Islands, and also over the greater part of Scandinavia; light from the W^wd. in Germany.
Moderate to fresh from the NE^wd. in the south and southwest of our Islands, and also over the greater part of France, but variable in the extreme south of France.

**WEATHER**

Fair or fine over western Europe generally, but showery at Shields and raining at Cape Gris Nez, Belfort and Munich.
Rain was also falling at many of the Swedish stations.
Showers fell yesterday in the N. and E. of our Islands, — heavily at Yarmouth. Rain fell at many of the continental stations, with a thunderstorm at Cuxhaven, Lyons and Biarritz.

**SEA**

Solar halos were seen at Jersey yesterday and this morning.
Moderate to smooth generally, but rather rough at Prawle Point.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the distribution of pressure. Cool N^ly winds are therefore likely to continue over our Islands, with fair weather in most places, but with showers at some of our eastern stations.

# FORECASTS

*For the 24 hours ending at NOON on* 6TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | N^ly and NW^ly winds, moderate, fair generally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No. 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | N^ly winds, moderate, cool fair generally, but local showers. |
| 6 | SCOTLAND WEST | NW^ly winds, light, fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | N^ly and NE^ly winds, moderate or fresh, fair generally. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 2479 | 60 | 56 | N | 7 | o | 2 |
| Sumburgh Head | 30·01 | 51 | 49 | NNW | 3 | o | 3 |
| Stornoway ... ... | 30·15 | 58 | 53 | E | 3 | c | 3 |
| Aberdeen ... ... | 30·07 | 55 | 49 | NW | 3 | c | 3 |
| Shields ... ... | 30·04 | 59 | 55 | N | 4 | b | 4 |
| Ardrossan ... ... | 30·07 | 58 | 52 | W | 3 | bc | 2 |
| Malin Head ... | 30·13 | 55 | 54 | NNW | 4 | o | 2 |
| Belmullet ... ... | 30·07 | 58 | 53 | NE | 3 | bc | * |
| Holyhead ... ... | 30·08 | 58 | 55 | N | 4 | b | 3 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30·14 | 64 | 56 | NNE | 4 | c | 4 |
| Scilly ... ... | 30·07 | 62 | 57 | N | 4 | c | 1 |
| Jersey ... ... | 30·08 | 67 | 57 | N | 4 | bc | 3 |
| Hurst Castle ... | 29·98 | 67 | 58 | SW | 3 | c | 2 |
| Dungeness ... | 29·94 | 67 | 62 | WSW | 3 | c | 2 |
| North Foreland | 29·96 | 67 | 56 | NW | 3 | bc | 2 |
| London (Westminster) | 29·96 | 68 | 57 | WNW | 1 | c | * |
| Yarmouth ... | 29·92 | 59 | 55 | N | 3 | c | 3 |
| Rochefort ... | 29·97 | 76 | 70 | 2 | 0 | o | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fair or fine over western and southern Europe generally, but showery at some of our eastern coast stations, and also in Holland. Dull over Sweden, the Baltic, Russia and eastern Austria, with rain in several places. Showers falling later in the eastern parts of Gt. Britain generally; and steady rain at many of the Scandinavian stations,— amount large at Stockholm. Thunderstorms with rain occurring at Cuxhaven, Lyons and Biarritz.

Temperature risen over the greater part of France, Spain and Italy, but fallen in most other countries. Morning readings highest 88° at Sfax, 83° at Palma and Tunis, and 81° at Brindisi; above 70° in many parts of southern and eastern Europe, as well as at Archangel and Memel. Lowest 48° at Sumburgh Hd., 50° at Stornoway, 51° at Bodö, and 52° at Christiansund, Nairn and Aberdeen. Daily maxima below 60° on many parts of our own N. and NW. coasts, and below 70° at all but a few of our extreme southern stations; thermometer rising to between 75° and 80° in France, and reaching 81° at Nice. Succeeding night cold over the northern and central parts of Gt. Britain; thermometer on grass falling to 32° at Loughborough.

Wind light to fresh from the N^wd in the western and northern parts of the United Kingdom and from the NW^wd in the southeast of England, as well as in Sweden and Denmark; W. or SW. in Germany; light from the SE^wd over the northern and central parts of Russia. E. or NE. over the Spanish Peninsula and the west of France; calm in the south of France; variable in Italy. Subsequently veering to the N^wd in the southeast of England; no important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in an anticyclone lying over and to the westward of Ireland; 30.0 ins. and upwards over the southern parts of Germany and Italy; 29.9 ins. and upwards over N^rn Russia. Lowest 29.6 ins. and less in a depression over the northern parts of the Baltic; 29.8 ins. and less in a shallow disturbance off the Scandinavian coast. Small secondary depressions moving southward down the North Sea during day.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, .. ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Thursday 6th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L. | Temp. Dry Bulb. | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L. | Barometer. Change since Yesterday. | Temperature. Dry Bulb. | Temperature. Wet Bulb. | Temperature. Change since Yesterday. | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Weather. | Hours of Bright Sunshine. | Temp. Max. | Temp. Min. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ins. | ° | | | | Ins. | Ins | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29·81 | 50 | NNE | 4 | bc | 29·90 | + ·27 | 50 | 46 | − 2 | ?WNW | 6 | b | * | bc | * | 61 | 48 | 0·12 |
| | Hernösand ... | 29·87 | 55 | 2 | 0 | c | 29·95 | + ·28 | 54 | 47 | − 1 | NNW | 2 | b | * | c | * | 70 | 52 | — |
| | Stockholm ... | 29·81 | 55 | NW | 4 | r | 29·86 | + ·24 | 57 | 52 | + 6 | N | 6 | bc | * | r | * | 61 | 48 | 1·82 |
| | Wisby ... ... | 29·87 | 57 | NNW | 4 | o | 29·89 | + ·18 | 60 | 54 | + 2 | N | 4 | o | * | o | * | 61 | 54 | — |
| | Karlstad ... | 29·86 | 61 | SW | 2 | bc | 29·93 | + ·16 | 58 | 51 | + 6 | NE | 2 | b | * | bc | * | * | * | — |
| | Bodö ... ... | 30·05 | 48 | NW | 1 | c | 30·26 | + ·29 | 49 | 43 | + 1 | 2 | 0 | b | 0 | c | * | 52 | 43 | — |
| | Christiansund ... | 30·02 | 54 | NE | 2 | c | 30·02 | + ·02 | 51 | 48 | − 3 | NE | 1 | bc | 2 | c | * | 55 | 46 | — |
| | Skudesnaes ... | 29·91 | 55 | NNW | 8 | c | 29·97 | + ·11 | 54 | 52 | − 4 | NNW | 6 | c | 3 | b,c | * | 61 | 52 | * |
| | Færder (Christiania Fjord) | 29·89 | 61 | WSW | 2 | b | 29·94 | + ·11 | 58 | 53 | 0 | NNE | 3 | b | 2 | b | * | 61 | 57 | — |
| | Skagen (The Scaw) | 29·92 | 59 | NE | 1 | bc | 29·94 | + ·12 | 60 | 56 | 0 | 2 | 0 | bc | 0 | bc | * | 63 | 48 | — |
| | Fanö ... ... | 29·89 | 57 | 2 | 0 | c | 29·93 | + ·09 | 58 | 56 | 0 | N | 2 | bc | * | c | * | 68 | 55 | — |
| British Islands. | Sumburgh Head | 30·07 | 53 | NW | 3 | c | 30·06 | − ·01 | 53 | 51 | + 1 | 2 | 0 | o | 2 | c | * | 57 | 48 | — |
| | Stornoway ... | 30·21 | 55 | NNW | 3 | o | 30·16 | − ·04 | 54 | 53 | + 1 | NNW | 3 | o | 3 | o | 5·2 | 58 | 51 | 0·03 |
| | Wick ... ... | 30·17 | 57 | N | 3 | c | 30·13 | − ·02 | 58 | 55 | + 2 | N | 3 | o | 1 | c | * | 62 | 48 | — |
| | Nairn ... ... | 30·16 | 61 | NNW | 2 | b | 30·14 | − ·03 | 54 | 53 | + 1 | 2 | 0 | d | 1 | b | * | 65 | 50 | 0·01 |
| | Aberdeen ... | 30·17 | 57 | NW | 3 | b | 30·15 | + ·02 | 57 | 53 | + 1 | W | 2 | c | 2 | b | 13·9 | 61 | 50 | — |
| | Leith ... ... | 30·16 | 64 | ENE | 2 | c | 30·18 | + ·01 | 56 | 52 | − 2 | W | 1 | c | * | c | * | 69 | 48 | — |
| | Shields ... ... | 30·16 | 57 | NE | 4 | c | 30·17 | + ·06 | 56 | 52 | + 3 | W | 2 | o | 4 | p,o,c | * | 59 | 50 | — |
| | Spurn Head ... | 30·10 | 57 | NNW | 5 | c | 30·15 | + ·07 | 56 | 53 | 0 | NW | 3 | c | 4 | cp | * | 60 | 51 | 0·01 |
| | York ... ... | 30·16 | 56 | N | 3 | o | 30·18 | + ·07 | 55 | 51 | + 2 | NNW | 1 | b | * | o | 1·0 | 59 | 45 | — |
| | Loughborough ... | 30·15 | 56 | N | 4 | o | 30·20 | + ·07 | 56 | 52 | + 3 | NW | 1 | cmw | * | c,o,bm,c | * | 62 | 42 | — |
| | Ardrossan ... | 30·17 | 61 | W | 5 | b | 30·18 | ·00 | 58 | 53 | + 1 | NW | 1 | b | 1 | b | * | 64 | 47 | — |
| | Malin Head ... | 30·24 | 56 | N | 4 | bc | 30·23 | + ·02 | 56 | 54 | − 1 | N | 2 | o | 1 | bc,p | * | 60 | 53 | — |
| | Belmullet ... | 30·28 | 59 | N | 2 | b | 30·32 | + ·10 | 58 | 57 | + 2 | N | 1 | c | * | b | * | 62 | 52 | 0·05 |
| | Donaghadee ... | 30·23 | 61 | NNW | 5 | b | 30·25 | + ·05 | 54 | 52 | − 2 | W | 4 | o | 2 | b | * | 65 | 46 | — |
| | Liverpool (Bidston) | 30·19 | 59 | N | 1 | c | 30·21 | + ·06 | 57 | 51 | + 2 | WNW | 3 | bc | 3 | c | * | 61 | 54 | — |
| | Holyhead ... | 30·21 | 57 | N | 4 | b | 30·25 | + ·11 | 57 | 52 | 0 | NW | 4 | c | 3 | b | * | 59 | 52 | — |
| | Parsonstown ... | 30·23 | 62 | N | 1 | c | 30·33 | + ·12 | 52 | 50 | − 2 | 2 | 0 | o | * | c | 9·0 | 66 | 45 | — |
| | Valencia ... | 30·27 | 61 | N | 3 | bc | 30·35 | + ·12 | 59 | 53 | + 4 | NNE | 2 | b | 2 | c,bc | 6·0 | 63 | 48 | — |
| | Roche's Point ... | 30·23 | 61 | SE | 2 | ct | 30·33 | + ·13 | 58 | 54 | + 2 | NNW | 3 | b | 3 | ct | * | 66 | 52 | — |
| | Pembroke (St. Ann's Hd.) | 30·18 | 60 | N | 4 | b | 30·26 | + ·13 | 58 | 55 | + 1 | NNE | 4 | b | 2 | b | 8·3 | 64 | 51 | — |
| | Scilly ... ... | 30·16 | 62 | NNE | 4 | bc | 30·23 | + ·16 | 61 | 56 | + 1 | NE | 4 | bc | 0 | bc | 10·6 | 64 | 56 | — |
| | Prawle Point ... | 30·10 | 62 | ENE | 3 | bc | 30·22 | + ·17 | 61 | 56 | + 4 | NE | 3 | bc | 2 | bc | * | 66 | 51 | — |
| | Jersey (St. Anbin's) | 30·06 | 64 | NE | 4 | b | 30·18 | + ·17 | 60 | 54 | − 5 | N | 3 | og | 3 | og,b,p | * | 68 | 56 | 0·02 |
| | Hurst Castle ... | 30·08 | 65 | NNE | 2 | bcm | 30·17 | + ·10 | 56 | 52 | − 3 | NNE | 3 | cm | 2 | c,bcm | * | 67 | 52 | — |
| | Dungeness ... | 30·03 | 62 | NNE | 3 | bc | 30·09 | + ·06 | 58 | 55 | − 1 | N | 4 | bc | 3 | bc | * | 66 | 46 | — |
| | North Foreland | 30·06 | 60 | NE | 4 | o | 30·10 | + ·06 | 58 | 54 | − 1 | WNW | 4 | o | 3 | c,og | * | 63 | 54 | 0·10 |
| | London (Brixton) ... | 30·09 | 60 | NNE | 2 | c | 30·17 | + ·08 | 56 | 51 | − 1 | NNE | 1 | o | * | c,o | 7·3 | 66 | 53 | — |
| | Oxford ... ... | 30·15 | 55 | N | 2 | b | 30·20 | + ·09 | 55 | 50 | − 2 | N | 1 | bc | * | b | * | 65 | 46 | — |
| | Cambridge ... | 30·11 | 59 | N | 4 | c | 30·16 | + ·06 | 55 | 51 | 0 | N | 4 | b | * | c | 6·7 | 64 | 50 | — |
| | Yarmouth ... | 30·06 | 58 | N | 3 | bc | 30·09 | + ·07 | 57 | 57 | − 1 | N | 4 | c | 4 | bc | * | 61 | 54 | 0·13 |
| Germany & Holland. | Cuxhaven ... | 29·89 | 65 | W | 2 | bc | 29·90 | + ·04 | 57 | 57 | 0 | 2 | 0 | o | * | bc | * | 64 | 50 | — |
| | Berlin ... ... | 29·91 | 65 | WNW | 1 | b | 29·92 | + ·03 | 61 | 56 | − 2 | WNW | 1 | bc | * | b | * | 72 | 55 | — |
| | Wiesbaden ... | * | * | * | * | * | 29·96 | + ·01 | 59 | 54 | − 1 | N | 1 | b | * | * | * | 70 | 54 | — |
| | Munich ... .. | 29·95 | 62 | SE | 2 | o | 29·88 | − ·13 | 61 | 61 | + 2 | SSE | 1 | r | * | o | * | 68 | 57 | 0·39 |
| | The Helder ... | 29·97 | 60 | N | 4 | c | 30·02 | | 59 | 55 | | NNW | 4 | c | 2 | c | * | 63 | 57 | 0·08 |
| Belgium. | Brussels ... | * | * | * | * | * | 30·04 | + ·03 | 59 | 55 | 0 | NNW | 3 | c | * | b | * | 66 | 50 | 0·08 |
| | Cape Gris Nez ... | 30·02 | 59 | NE | 4 | o | 30·06 | + ·09 | 58 | 58 | − 7 | NE | 5 | c | 5 | o | * | 66 | 54 | 0·08 |
| | Paris ... ... | 29·96 | 66 | N | 3 | bc | 30·05 | + ·09 | 54 | 52 | − 4 | ENE | 3 | c | * | bc | * | 73 | ? | — |
| | Brest ... ... | 30·04 | 63 | NE | 3 | c | ? | ? | 57 | 55 | 0 | NNE | 1 | b | 2 | c | * | 70 | 50 | — |
| | Lorient ... ... | 29·99 | 61 | NE | 4 | o | 30·17 | + ·20 | 56 | 52 | 0 | ? | ? | o | 3 | o | * | 70 | 50 | 0·08 |
| France & | Rochefort ... | 29·92 | 70 | NW | 4 | o | 30·04 | + ·13 | 59 | 55 | − 4 | NE | 5 | c | * | o,tl | * | 77 | 54 | — |
| | Belfort ... ... | 29·85 | 61 | E | 2 | m | 29·88 | − ·01 | 58 | 55 | − 1 | E | 1 | o | * | m | * | 71 | 55 | — |
| | Lyons ... ... | 29·89 | 64 | E | 1 | o | ? | ? | 60 | 58 | − 4 | ? | ? | m | * | tlr,o | * | 81 | 60 | 0·04 |
| | Nice ... ... | 29·77 | 73 | S | 2 | bc | 29·71 | − ·11 | 72 | 61 | − 4 | 2 | 0 | b | 0 | bc | * | 84 | 63 | 0·04 |
| | Perpignan ... | 29·80 | 73 | NE | 2 | c | 29·89 | + ·02 | 65 | 60 | − 7 | W | 3 | o | * | c | * | 85 | 65 | — |
| | Biarritz ... | 29·94 | 68 | W | 4 | o | 29·99 | + ·12 | 66 | 60 | − 2 | W | 6 | r | 4 | o,tlr | * | 73 | 63 | 0·20 |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30·16 | 64 | N | 5 | b | 30·20 | + ·16 | 66 | 58 | − 3 | N | 5 | b | * | b | * | 71 | 61 | — |
| | Azores (P. Delgada) | 30·33 | 68 | NE | 2 | b | 30·35 | + ·12 | 72 | 68 | + 1 | ESE | 3 | bc | 4 | b | * | 77 | 66 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 3·6 hrs; Eastbourne 6·8 hrs.* Hastings (St Leonards) 7·6 hrs.

# WEATHER CHARTS

FOR Thursday, 6th August, 1896.

## BAROMETER, WIND AND SEA.

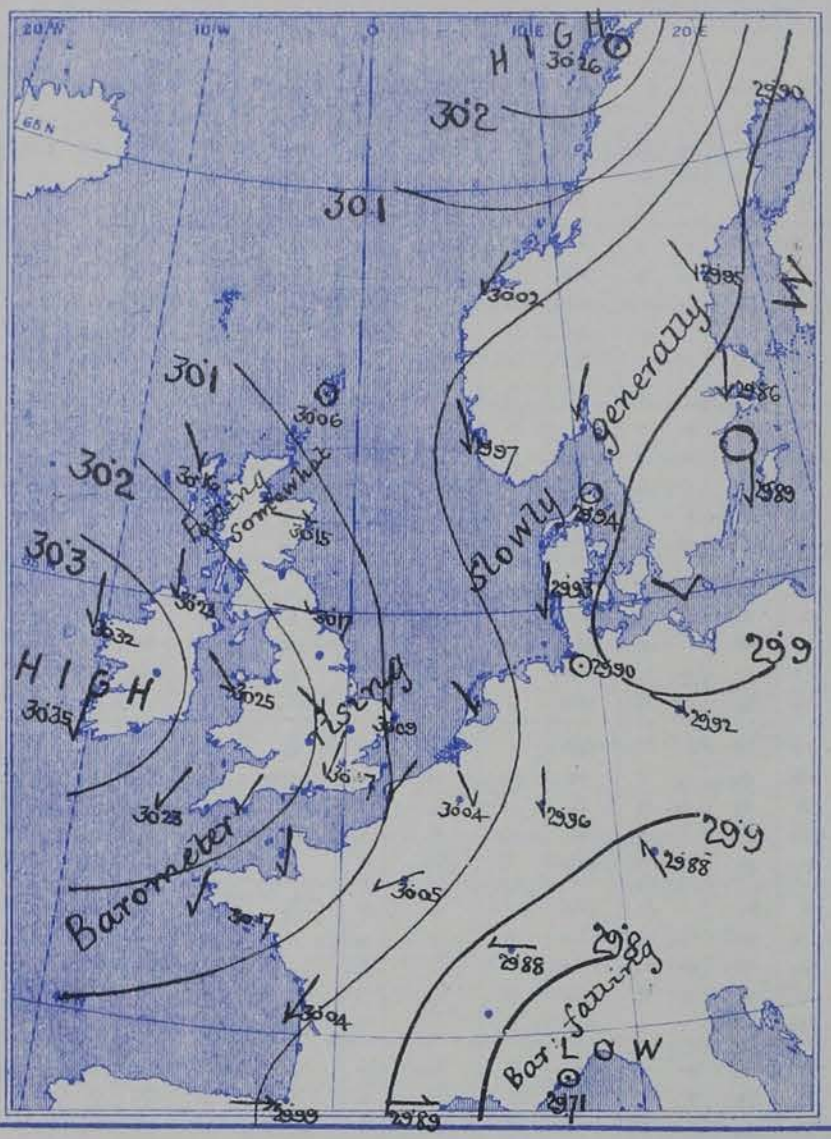
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ≡ ; High ▬




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
### *IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30·3 ins. and more over Ireland and adjacent parts of the Atlantic, and 30·2 ins. & more over Finmark.
Lowest. Below 29·9 ins. over the Baltic and North Germany.
Gradients moderate to slight. Distribution mainly Anticyclonic.
Barometer falling slightly over Scotland, rising elsewhere

**TEMPERATURE**

Highest 72° at Nice, 66° at Biarritz, 61° at Munich, Prawle Pt. & Scilly; 60° at Stockholm.
Lowest 49° at Bodö, 51° at Christiansund, 53° at Sunderland Head.
The maxima recorded over our Islands yesterday were 68° to 65° at the southern stations, and rather above 60° in the north. The night-minima were rather low over our inland districts (42° in shade, and 33° on grass at Loughborough)

**WIND**

Chiefly N.$^{by}$ (NW to NNE) and light over our Islands and the North Sea; moderate N.E.$^{by}$ over the English Channel and Bay of Biscay, but W.$^{by}$ at Biarritz, and strong.

**WEATHER**

Dull and rather rainy in the north of Scotland, fair generally elsewhere, but cloudy in several places.
Some rain has fallen in most parts of France and Germany, and a large amount (1·8 ins.) at Stockholm. Thunder and lightning have occurred at Roche's Pt. and over the southern parts of France. Bright Sunshine London 7·3 hrs, Eastbourne 6·8 hrs, Hastings 7·6 hrs, Scilly 10·6 hrs.

**SEA**

Moderate at the eastern and southern stations, slight to smooth in the west and north.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No great change is indicated at present.

# FORECASTS

*For the 24 hours ending at NOON on* 7TH AUGUST 1896.

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|---|---|---|---|
| 0 SCOTLAND NORTH | NW.$^{by}$ and N.$^{by}$ breezes, moderate; some rain at times. | 6 SCOTLAND WEST | Same as Nos. 0 to 2. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W. | NE.$^{by}$ breezes, moderate; fine. |
| 3 ENGLAND EAST | Same as No. 5. | 9 IRELAND NORTH | N.$^{by}$ breezes, light; fine. |
| 4 MIDLAND COUNTIES | Same as Nos. 0 to 2. | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | N.$^{by}$ and NE.$^{by}$ breezes, light; fine, cold at night. | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.94 | 61 | 56 | NNW | 7 | b | 2 |
| Sumburgh Head | 30.09 | 55 | 51 | NW | 3 | c | 3 |
| Stornoway ... ... | 30.21 | 58 | 52 | NNW | 2 | o | 2 |
| Aberdeen .... ... | 30.16 | 59 | 51 | NW | 5 | bcq | 4 |
| Shields ... ... | 30.14 | 57 | 52 | NNE | 4 | o | 4 |
| Ardrossan ... ... | 30.18 | 63 | 55 | W | 4 | b | 2 |
| Malin Head ... | 30.24 | 57 | 54 | N | 3 | b | 1 |
| Belmullet ... ... | 30.26 | 62 | 55 | NE | 2 | b | * |
| Holyhead ... ... | 30.20 | 58 | 52 | N | 2 | b | 1 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30.25 | 60 | 53 | NNE | 3 | c | 4 |
| Scilly ... ... | 30.11 | 63 | 56 | NNE | 4 | bc | 1 |
| Jersey ... ... | 30.05 | 66 | 58 | NE | 5 | og | 4 |
| Hurst Castle ... | 30.07 | 67 | 56 | NNE | 3 | c | 3 |
| Dungeness ... | 30.09 | 62 | 55 | NNE | 3 | bc | 2 |
| North Foreland | 30.06 | 62 | 55 | NNE | 3 | c | 3 |
| London (Westminster) | 30.07 | 62 | 52 | NE | 2 | c | * |
| Yarmouth ... | 30.05 | 59 | 54 | N | 4 | bc | 3 |
| Rochefort ... | 29.93 | ?73 | ?67 | N | 3 | o | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

*The Continental Information will be issued tomorrow.*

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Friday 7th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29.97 | 48 | N | 2 | b | 30.04 | + .14 | 52 | 49 | + 2 | NE | 2 | b | * | b | * | 59 | 41 | — |
| | Hernösand ... | 29.97 | 51 | N | 2 | bc | 30.03 | + .08 | 55 | 47 | + 1 | NW | 4 | b | * | bc | * | 66 | 45 | — |
| | Stockholm ... | 29.96 | 53 | N | 2 | b | 29.99 | + .13 | 56 | 50 | — 1 | NNE | 4 | b | * | b | * | 59 | 48 | — |
| | Wisby ... ... | 29.95 | 57 | N | 4 | b | 29.99 | + .10 | 55 | 50 | — 5 | NNE | 4 | b | * | b | * | 63 | 54 | — |
| | Karlstad ... | 29.94 | 61 | E | 0 | b | 29.98 | + .05 | 62 | 57 | + 4 | S | 2 | c | * | b | * | * | * | — |
| | Bodö ... ... | 30.13 | 50 | NE | 4 | b | 30.07 | .00 | 50 | 46 | + 1 | SE | 2 | c | 1 | b | * | 54 | 43 | — |
| | Christiansund ... | 29.97 | 56 | NE | 3 | b | 30.00 | — .02 | 54 | 51 | + 3 | NE | 1 | c | 2 | b | * | 59 | 50 | |
| | Skudesnaes ... | 30.00 | 55 | NNW | 6 | c | 29.96 | — .01 | 55 | 53 | + 1 | NNW | 4 | o | 2 | o,c | * | 59 | 50 | * |
| | Færder (Christiania Fjord) | 29.93 | 64 | W | 1 | b | 29.95 | + .01 | 63 | 60 | + 5 | SW | 2 | o | 1 | b | * | 66 | 57 | — |
| | Skagen (The Scaw) | 29.96 | 60 | WNW | 1 | b | 29.98 | + .04 | 62 | 58 | + 2 | E | 2 | o | 0 | bc | * | 72 | 50 | — |
| | Fanö ... ... | 29.97 | 58 | N | 2 | bc | 29.96 | + .03 | 60 | 56 | + 2 | N | 4 | c | * | bc | * | 70 | 52 | — |
| British Islands. | Sumburgh Head | 30.00 | 54 | WNW | 2 | o | 29.96 | — .10 | 53 | 52 | 0 | E | 2 | o | 2 | o | * | 56 | 50 | 0.03 |
| | Stornoway ... | 30.14 | 56 | NNW | 3 | c | 30.08 | — .08 | 53 | 53 | — 1 | N | 3 | o | 3 | o,c | 1.9 | 57 | 50 | — |
| | Wick ... ... | 30.10 | 57 | N | 3 | o | 30.03 | — .10 | 54 | 53 | — 4 | N | 4 | o | 2 | o | * | 60 | 50 | 0.05 |
| | Nairn ... ... | 30.10 | 59 | NW | 1 | bc | 30.04 | — .10 | 56 | 53 | + 2 | W | 2 | c | 2 | bc | * | 61 | 48 | 0.01 |
| | Aberdeen ... | 30.10 | 58 | NW | 1 | c | 30.06 | — .09 | 56 | 51 | — 1 | W | 2 | c | 1 | c | 1.6 | 63 | 47 | — |
| | Leith ... ... | 30.10 | 63 | W | 2 | o | 30.10 | — .08 | 58 | 53 | + 2 | W | 2 | bc | * | o | * | 71 | 51 | — |
| | Shields ... ... | 30.12 | 58 | NE | 2 | c | 30.07 | — .10 | 57 | 54 | + 1 | NW | 3 | o | 3 | c | * | 61 | 54 | — |
| | Spurn Head ... | 30.13 | 58 | NNE | 2 | cv | 30.07 | — .08 | 60 | 57 | + 4 | NW | 2 | c | 4 | cv | * | 60 | 54 | — |
| | York ... ... | 30.12 | 63 | N | 2 | o | 30.09 | — .09 | 57 | 53 | + 2 | WNW | 1 | b | * | o | 5.4 | 68 | 47 | — |
| | Loughborough ... | 30.15 | 62 | W | 3 | bc | 30.12 | — .08 | 57 | 54 | + 1 | W | 2 | cmw | * | bc,c,om | * | 66 | 51 | — |
| | Ardrossan ... | 30.15 | 58 | NW | 4 | o | 30.10 | — .08 | 57 | 54 | — 1 | W | 3 | c | 3 | o | * | 61 | 52 | — |
| | Malin Head ... | 30.23 | 56 | NW | 4 | op | 30.19 | — .04 | 55 | 55 | — 1 | WNW | 5 | cp | 3 | op | * | 59 | 53 | 0.05 |
| | Belmullet ... | 30.32 | 58 | N | 3 | o | 30.32 | .00 | 57 | 53 | — 1 | NW | 4 | o | * | bc,o | * | 61 | 57 | — |
| | Donaghadee ... | 30.22 | 59 | NNW | 4 | o | 30.19 | — .06 | 56 | 55 | + 2 | WNW | 4 | o | 2 | o | * | 64 | 51 | 0.02 |
| | Liverpool (Bidston) | 30.18 | 58 | W | 3 | b | 30.13 | — .08 | 58 | 53 | + 1 | WNW | 4 | o | 3 | c,b | * | 61 | 55 | — |
| | Holyhead ... | 30.22 | 56 | WNW | 3 | bc | 30.20 | — .05 | 55 | 54 | — 2 | N | 5 | op | 3 | op,bc | * | 59 | 53 | 0.04 |
| | Parsonstown ... | 30.26 | 62 | N | 1 | c | 30.30 | — .03 | 57 | 54 | + 5 | NW | 2 | o | * | o,c | 4.7 | 64 | 51 | — |
| | Valencia ... | 30.34 | 60 | NNW | 2 | o | 30.36 | + .01 | 61 | 56 | + 2 | N | 3 | bc | 3 | c,o | 5.1 | 62 | 55 | — |
| | Roche's Point .. | 30.27 | 60 | NNW | 4 | c | 30.32 | — .01 | 59 | 55 | + 1 | N | 3 | bc | 3 | c | * | 65 | 55 | — |
| | Pembroke (St. Ann's Hd.) | 30.24 | 59 | NW | 4 | c | 30.23 | — .03 | 57 | 55 | — 1 | NNE | 4 | c | 3 | c | 10.7 | 61 | 53 | 0.05 |
| | Scilly ... ... | 30.27 | 63 | N | 4 | bc | 30.22 | — .01 | 62 | 59 | + 1 | N | 4 | cp | 2 | bc | 12.2 | 64 | 56 | 0.05 |
| | Prawle Point ... | 30.18 | 63 | NW | 3 | bc | 30.18 | — .04 | 57 | 55 | — 4 | WNW | 2 | o | 1 | bc,p | * | 69 | 50 | 0.02 |
| | Jersey (St. Anbin's) | 30.19 | 64 | WNW | 3 | b | 30.18 | .00 | 61 | 55 | + 1 | WNW | 3 | o | 3 | bc,b | * | 67 | 55 | — |
| | Hurst Castle ... | 30.15 | 67 | NNE | 1 | c | 30.13 | — .04 | 60 | 55 | + 4 | NNW | 2 | em | 1 | c | * | 70 | 49 | — |
| | Dungeness ... | 30.11 | 63 | N | 3 | c | 30.08 | — .01 | 57 | 53 | — 1 | NNW | 2 | bc | 1 | c | * | 65 | 50 | — |
| | North Foreland | 30.13 | 63 | N | 3 | bc | 30.09 | — .01 | 59 | 55 | + 1 | W | 2 | c | 2 | bc | * | 64 | 53 | — |
| | London (Brixton) ... | 30.12 | 63 | N | 2 | o | 30.13 | — .04 | 57 | 52 | + 1 | NW | 1 | o | * | c,o | 3.7 | 66 | 47 | — |
| | Oxford ... ... | 30.16 | 59 | N | 2 | b | 30.13 | — .07 | 57 | 53 | + 2 | N | 3 | og | * | b | * | 68 | 47 | — |
| | Cambridge .. | 30.13 | 63 | NNE | 1 | o | 30.12 | — .04 | 54 | 52 | — 1 | N | 1 | o | * | bc,o | 6.7 | 67 | 46 | — |
| | Yarmouth ... | 30.10 | 60 | N | 3 | b | 30.07 | — .02 | 59 | 54 | + 2 | NNW | 3 | bc | 3 | bc,b | * | 62 | 51 | — |
| Germany & Holland. | Cuxhaven ... | 29.94 | 65 | N | 2 | bc | 29.94 | + .04 | 60 | 59 | + 3 | E | 0 | c | * | bc | * | 66 | 55 | — |
| | Berlin ... ... | 29.91 | 65 | WNW | 1 | c | 29.93 | + .01 | 62 | 55 | + 1 | NW | 1 | b | * | c | * | 72 | 54 | — |
| | Wiesbaden .. | * | * | * | * | * | 30.01 | + .05 | 59 | 54 | 0 | N | 2 | o | * | * | * | 70 | 55 | — |
| | Munich ... .. | 29.91 | 56 | W | 3 | r | 29.91 | + .03 | 53 | 53 | — 8 | NNE | 3 | r | * | r | * | 63 | 53 | 1.54 |
| | The Helder ... | 30.05 | 59 | N | 3 | c | 30.02 | .00 | 59 | 54 | 0 | N | 3 | bc | 2 | c | * | 61 | 55 | 0.04 |
| Belgium. | Brussels ... | * | * | * | * | * | 30.08 | + .04 | 55 | 52 | — 4 | WSW | 2 | r | * | o | * | 64 | 51 | — |
| | Cape Gris Nez .. | 30.11 | 59 | ENE | 4 | c | 30.06 | .00 | 61 | 56 | + 3 | N | 1 | c | 1 | c | * | 66 | 58 | — |
| | Paris ... ... | 30.06 | 63 | N | 3 | o | 30.15 | + .10 | 52 | 51 | — 2 | E | 0 | o | * | o | * | 71 | 48 | — |
| | Brest ... ... | 30.23 | 62 | N | 3 | b | 30.25 | ? | 58 | 54 | + 1 | N | 1 | c | 1 | b | * | 66 | 50 | — |
| | Lorient ... ... | 30.14 | 66 | NE | 4 | c | 30.22 | + .05 | 58 | 55 | + 2 | NNW | 4 | bc | 2 | c | * | 77 | 50 | — |
| France & | Rochefort ... | 30.10 | 68 | NNW | 5 | bc | 30.21 | + .17 | 59 | 55 | 0 | NNE | 4 | b | * | bc | * | 73 | 54 | — |
| | Belfort ... ... | 29.88 | 60 | E | 1 | m | 29.97 | + .09 | 53 | 51 | — 5 | E | 0 | m | * | m | * | 62 | 48 | — |
| | Lyons ... ... | 29.90 | 55 | NW | 4 | r | 30.00 | ? | 56 | 52 | — 4 | N | 2 | o | * | r | * | 64 | 50 | 0.24 |
| | Nice ... ... | 29.63 | 73 | E | 0 | c | 29.67 | — .04 | 62 | 61 | — 10 | E | 0 | r | 3 | c | * | 82 | 62 | — |
| | Perpignan ... | 29.91 | 68 | NW | 4 | b | 30.06 | + .17 | 64 | 55 | — 1 | NW | 4 | o | * | b | * | 74 | 61 | — |
| | Biarritz ... | 30.09 | 67 | NNW | 6 | bc | 30.15 | + .16 | 64 | 60 | — 2 | NNE | 4 | o | 4 | bc,r | * | 68 | 57 | 0.12 |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30.16 | 63 | N | 6 | b | 30.15 | — .05 | 68 | 58 | + 2 | NE | 4 | b | * | b | * | 72 | 63 | — |
| | Azores (P. Delgada) | 30.40 | 72 | ESE | 3 | b | 30.38 | + .03 | 72 | 67 | 0 | SE | 3 | b | 4 | b | * | 77 | 66 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport* 9.9 *hrs; Eastbourne* 1.6 *hrs;* Hastings (St Leonards) 3.1 hrs.

# WEATHER CHARTS

FOR Friday 7th August, 1896.

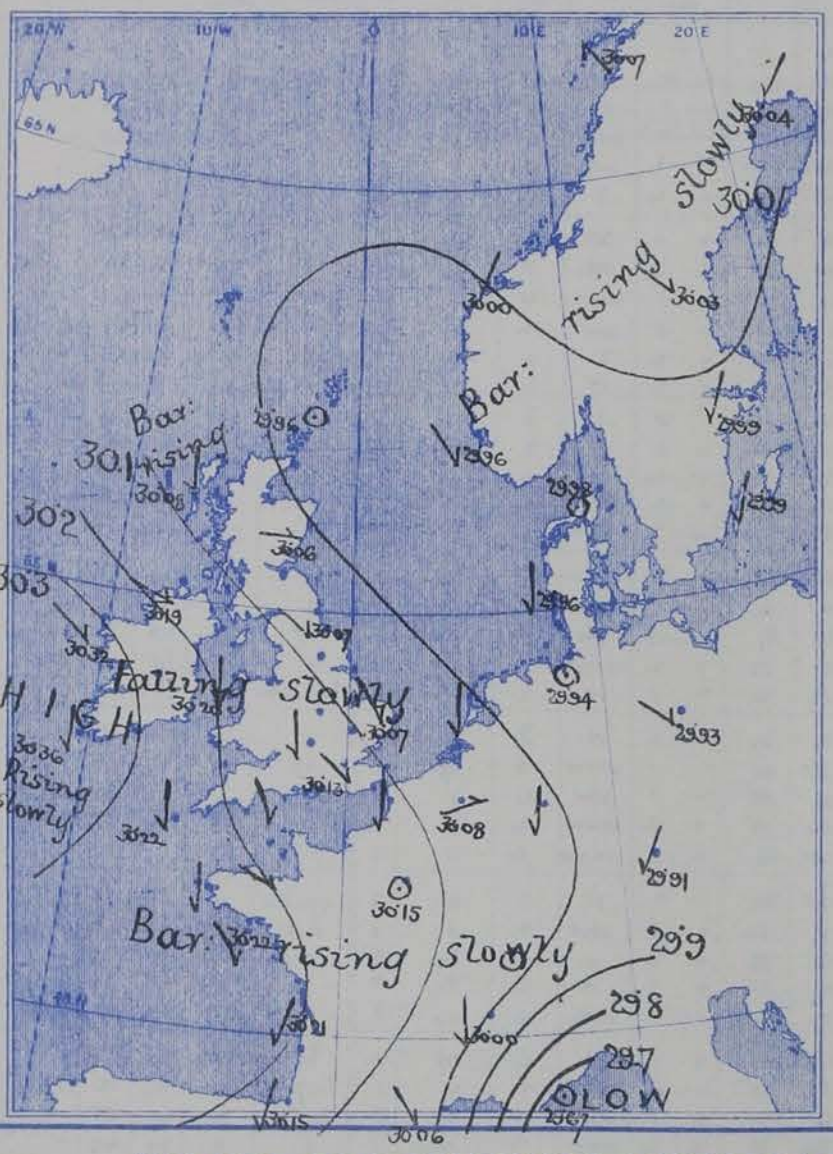
## BAROMETER, WIND AND SEA.

*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙
Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ▤ ; High ▩

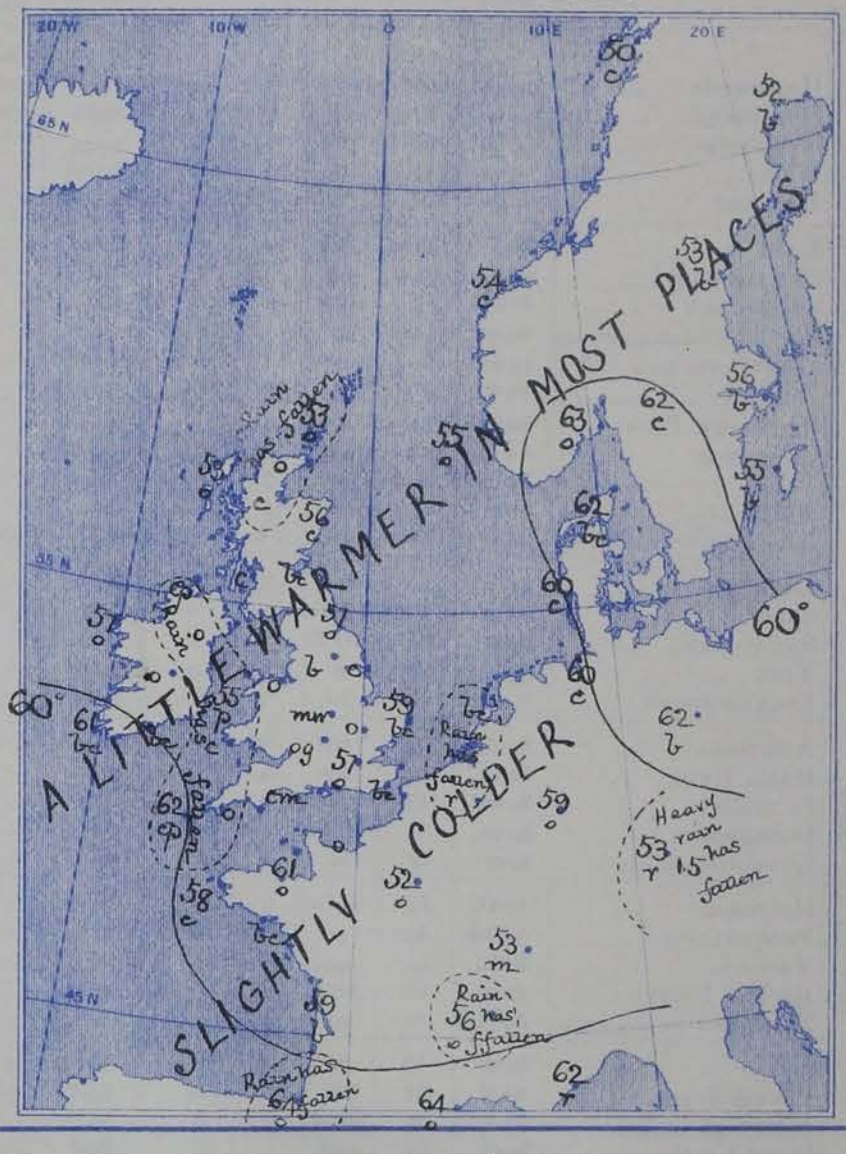



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

*IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30·2 ins. to 30·3 ins. and more over the western parts of our Islands, and the adjacent parts of the Atlantic, and exceeding 30·0 ins. over the northern parts of Scandinavia.
Lowest Below 29·7 ins. over the Riviera and N. of Italy, and below 30·0 ins. over central Europe, the Baltic, the south of Sweden and Denmark.
Gradients slight, and mainly favourable for NW. winds over our Islands; Barometer rising over northern Europe and at Stornoway, falling a little over Gt Britain as a whole.

**TEMPERATURE**

Highest 68° at Lisbon, 64° in the southwest of France, 62° at Sicily, 61° at Valencia (Ireland) 60° at Spurn Hd.
Lowest 50° at Bodo, 53 at Sumburgh Hd. and Stornoway, 55° at Malin Head.
The maxima recorded yesterday were 71° at Leith, 70° at Hurst Castle, 69° at Prawle Pt., 68° at Bosport, 71° at Paris, 72° at Berlin, 82° at Nice

**WIND**

N. to NW. over the British Islands and their neighbourhood and light to fresh in force.

**WEATHER**

Cloudy over our area generally, and slightly showery at some western stations. Much sheet cirrus, and a brilliant halo, were reported over London.
Slight showers have fallen in some localities, and heavy rain (1·5 ins) at Munich.
Bright Sunshine recorded yesterday was — Scilly 12·2 hrs; Southport 9·9 hrs, Cambridge 6·7 hrs, Hastings 3·1 hrs., London 3·7 hrs.

**SEA**

Moderate at Spurn Head, slight in smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No great change of weather is indicated at present, but some slight showers are probable over England and Scotland.

# FORECASTS

*For the 24 hours ending at NOON on* 8TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | NW. and N. breezes, light or moderate, a little rain at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | NW. breezes, light: fair generally. |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | NW. breezes, fresh; some passing showers. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | N. breezes, moderate, fair. |
| 9 | IRELAND NORTH | Same as Nos. 6 and 7. |
| 10 | IRELAND SOUTH | Same as No. 8. |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.97 | 59 | 53 | NNW | 4 | o | 2 |
| Sumburgh Head | 30.09 | 54 | 53 | WNW | 1 | o | 2 |
| Stornoway .. .. | 30.16 | 57 | 54 | NNW | 4 | o | 4 |
| Aberdeen ... ... | 30.11 | 63 | 56 | NW | 2 | c | 1 |
| Shields ... ... | 30.15 | 60 | 54 | N | 2 | c | 4 |
| Ardrossan ... ... | 30.18 | 61 | 57 | NW | 4 | o | 2 |
| Malin Head ... | 30.24 | 59 | 58 | NNW | 4 | o | 2 |
| Belmullet ... ... | 30.29 | 59 | 55 | NNW | 2 | bc | * |
| Holyhead ... ... | 30.25 | 57 | 54 | NW | 4 | op | 3 |
| Valencia ... ... | 30.36 | 60 | 56 | NW | 3 | c | 3 |
| Scilly ... ... | 30.27 | 62 | 57 | N | 4 | bc | 0 |
| Jersey ... ... | 30.19 | 65 | 55 | NNE | 4 | bc | 3 |
| Hurst Castle ... | 30.16 | 69 | 58 | NNE | 2 | c | 1 |
| Dungeness ... | 30.12 | 61 | 55 | N | 2 | c | 1 |
| North Foreland | 30.13 | 63 | 59 | N | 3 | bc | 2 |
| London (Westminster) | 30.15 | 65 | 55 | N | 2 | o | * |
| Yarmouth ... | 30.11 | 62 | 55 | NNW | 3 | bc | 4 |
| Rochefort ... | 30.09 | 72 | 63 | NE | 5 | bc | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fair over W^m. and NW^m. Europe as a whole, but rainy and unsettled on the E^m. shores of the Baltic, as well as over Austria, S. Germany and the Adriatic. Heavy rain at Munich later, and a considerable quantity in the S. of France; lightning observed at Biarritz. Slight showers in the W. and N. of our Islands.

Temperature in morning highest 89° at Spezia 82° at Brindisi, 81° at Naples and Palma, 75° at Leghorn and also at Bilbao, 70° at Hernansadt, 61° at Scilly, and 58° at Belmullet and Ulrich, 47° at 70° at Archangel, 63° at Moscow. Lowest 49° at Bodö, 51° at Christiansund, 53° at Sumburgh H^d., 52° at Parsonstown, 55° at York. Rising later to 68° at Oxford and York to 70° at Faro, Hurst Castle and Wiesbaden, 71° at Paris, 77° at Lorient, and to 82° at Nice. Succeeding night again cool over England.

Wind mainly N^ly (NW. to NE) over the W^m. half of Europe, very variable over Russia and Poland; light to moderate in force at the W^m. stations, very light indeed in the E. No decided change later.

Barometer highest 30.3 ins. and more to 30.1 ins. over the British Island, the N. of France, Brittany and the W^m. parts of the Spanish Peninsula. Lowest below 29.6 ins. in a depression over the Gulf of Finland, and below 29.8 ins. all over the N^m. and W^m. parts of Russia, as well as over the N. of Italy, the Riviera and Corsica. Hardly any change later.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday 8th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L. | Temp. Dry Bulb. | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L. | Barometer. Change since Yesterday. | Temperature. Dry Bulb. | Temperature. Wet Bulb. | Temperature. Change since Yesterday. | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Weather. | Hours of Bright Sunshine. | Temp. Max. | Temp. Min. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ins. | ° | | | | Ins. | Ins | ° | ° | ° | | | | | | | ° | ° | Ins. |
| SCANDINAVIA. | Haparanda ... † | 30·06 | 51 | NNE | 2 | o | 30·13 | + ·09 | 53 | 50 | + 1 | NNE | 2 | bc | * | o | * | 61 | 39 | — |
| | Hernösand ... † | 30·10 | 49 | N | 2 | bc | 30·17 | + ·14 | 55 | 46 | 0 | NE | 4 | b | * | b | * | 64 | 41 | — |
| | Stockholm ... † | 30·07 | 53 | N | 2 | b | 30·10 | + ·11 | 56 | 50 | 0 | NNE | 2 | b | * | b | * | 63 | 45 | — |
| | Wisby ... ... † | 30·04 | 53 | NE | 4 | c | 30·07 | + ·08 | 52 | 50 | — 3 | N | 4 | b | * | c | * | 61 | 50 | — |
| | Karlstad ... † | 30·03 | 63 | ESE | 2 | o | 30·12 | + ·14 | 57 | 52 | — 5 | E | 2 | o | * | o | * | * | * | — |
| | Bodö ... ... | 30·07 | 54 | N | 2 | b | 30·08 | + ·01 | 54 | 48 | + 4 | N | 1 | b | 0 | b | * | 54 | 45 | — |
| | Christiansund ... | 30·05 | 56 | N | 1 | c | 30·12 | + ·12 | 55 | 52 | + 1 | N | 1 | o | 1 | c | * | 61 | 52 | — |
| | Skudesnaes ... | 30·00 | 57 | NW | 2 | bc | 30·05 | + ·09 | 59 | 55 | + 4 | W | 0 | c | 1 | bc | * | 61 | 50 | * |
| | Færder (Christiania Fjord) | 30·01 | 63 | SW | 1 | c | 30·08 | + ·13 | 63 | 60 | 0 | NE | 1 | c | 1 | c | * | 68 | 61 | — |
| | Skagen (The Scaw) | 30·01 | 63 | SE | 1 | o | 30·09 | + ·11 | 61 | 59 | — 1 | SW | 2 | o | 1 | o | * | 66 | 54 | 0·32 |
| | Fanö ... ... | 29·96 | 59 | NW | 2 | c | 29·98 | + ·02 | 61 | 59 | + 1 | NNW | 2 | b | * | c | * | 66 | 57 | — |
| | Sumburgh Head | 30·06 | 54 | NE | 2 | o | 30·17 | + ·21 | 51 | 50 | — 2 | N | 3 | o | 3 | o | * | 55 | 48 | 0·04 |
| | Stornoway ... | 30·16 | 55 | NNE | 4 | o | 30·25 | + ·17 | 52 | 50 | — 1 | NNE | 2 | o | 2 | c, o | 3·7 | 59 | 47 | — |
| | Wick ... ... | 30·10 | 54 | N | 2 | r | 30·23 | + ·20 | 54 | 53 | 0 | N | 3 | c | 2 | r | * | 57 | 50 | 0·05 |
| | Nairn ... ... | 30·08 | 57 | NW | 2 | c | 30·21 | + ·17 | 53 | 52 | — 3 | ENE | 2 | c | 1 | c | * | 59 | 50 | 0·21 |
| | Aberdeen ... | 30·06 | 55 | NW | 2 | opg | 30·19 | + ·13 | 54 | 51 | — 2 | N | 2 | ogpd | 2 | opg | 0·9 | 60 | 51 | 0·11 |
| BRITISH ISLANDS. | Leith ... ... | 30·05 | 59 | W | 0 | r | 30·17 | + ·07 | 56 | 53 | — 2 | N | 2 | o | * | r | * | 67 | 53 | 0·18 |
| | Shields ... ... | 30·05 | 58 | SSE | 1 | o | 30·11 | + ·04 | 54 | 54 | — 3 | N | 1 | p | 3 | qp, o, r | * | 60 | 53 | 0·22 |
| | Spurn Head ... | 30·06 | 57 | NE | 3 | o | 30·07 | ·00 | 59 | 56 | — 1 | NNE | 2 | ov | 3 | ov | * | 63 | 55 | — |
| | York ... ... | 30·06 | 59 | E | 1 | b | 30·09 | ·00 | 54 | 53 | — 3 | N | 1 | o | * | p, b | 4·0 | 67 | 50 | 0·24 |
| | Loughborough ... | 30·07 | 61 | WNW | 3 | c | 30·09 | — ·03 | 54 | 53 | — 3 | NE | 1 | omd | * | o, c, omd | * | 66 | 52 | 0·02 |
| | Ardrossan ... | 30·05 | 60 | W | 3 | c | 30·17 | + ·07 | 61 | 56 | + 4 | NNE | 2 | cm | 2 | c | * | 61 | 53 | — |
| | Malin Head ... | 30·16 | 56 | NNW | 5 | cp | 30·22 | + ·03 | 54 | 53 | — 1 | N | 6 | o | 3 | cp | * | 58 | 53 | 0·01 |
| | Belmullet ... | 30·28 | 58 | N | 4 | o | 30·29 | — ·03 | 56 | 54 | — 1 | N | 2 | c | * | o | * | 61 | 56 | 0·07 |
| | Donaghadee ... | 30·13 | 58 | NW | 5 | op | 30·18 | — ·01 | 57 | 55 | + 1 | NW | 6 | c | 4 | op | * | 62 | 54 | 0·03 |
| | Liverpool (Bidston) | 30·10 | 58 | WNW | 4 | o | 30·09 | — ·04 | 56 | 53 | — 2 | NNE | 1 | o | ? | op | * | 63 | 53 | 0·13 |
| | Holyhead ... | 30·14 | 57 | NW | 3 | cp | 30·11 | — ·09 | 57 | 55 | + 2 | NNE | 5 | c | 4 | o, cp | * | 62 | 54 | 0·05 |
| | Parsonstown ... | 30·23 | 58 | NW | 1 | o | 30·23 | — ·07 | 55 | 52 | — 2 | NW | 1 | o | * | op, o | 0·4 | 61 | 53 | 0·02 |
| | Valencia ... | 30·34 | 59 | NW | 4 | c | 30·27 | — ·09 | 56 | 54 | — 5 | N | 3 | o | 3 | c, o | 8·3 | 62 | 55 | 0·01 |
| | Roche's Point .. | 30·25 | 60 | NNW | 5 | c | 30·20 | — ·12 | 58 | 55 | — 1 | N | 4 | c | 3 | c | * | 64 | 55 | — |
| | Pembroke (St. Ann's Hd.) | 30·18 | 58 | NW | 3 | o | 30·10 | — ·13 | 57 | 56 | 0 | N | 4 | og | 3 | c, o | 3·2 | 62 | 55 | — |
| | Scilly ... ... | 30·21 | 60 | NW | 5 | c | 30·11 | — ·11 | 59 | 56 | — 3 | N | 6 | c | 3 | bc, c | 6·1 | 63 | 56 | — |
| | Prawle Point ... | 30·14 | 62 | NNW | 3 | c | 30·07 | — ·11 | 58 | 56 | + 1 | NNW | 2 | c | 1 | c, p | * | 69 | 53 | 0·02 |
| | Jersey (St. Aubin's) | 30·14 | 63 | WNW | 3 | og | 30·05 | — ·13 | 63 | 58 | + 2 | NNW | 3 | bc | 3 | c, og | * | 65 | 56 | — |
| | Hurst Castle ... | 30·08 | 65 | NNW | 2 | c | 30·04 | — ·09 | 57 | 54 | — 3 | N | 2 | cm | 2 | c | * | 70 | 57 | — |
| | Dungeness ... | 30·05 | 63 | ESE | 1 | c | 30·01 | — ·07 | 58 | 57 | + 1 | NE | 1 | op | 0 | o, c | * | 68 | 55 | 0·04 |
| | North Foreland | 30·06 | 62 | N | 1 | o | 30·02 | — ·07 | 58 | 54 | — 1 | SW | 1 | o | 1 | o | * | 63 | 55 | — |
| | London (Brixton) ... | 30·06 | 62 | N | 1 | og | 30·04 | — ·09 | 58 | 55 | + 1 | NE | 1 | og | * | c, b, o | 1·0 | 68 | 49 | — |
| | Oxford ... ... | 30·09 | 57 | NNW | 2 | o | 30·06 | — ·07 | 55 | 53 | — 2 | NNE | 3 | ow | * | o | * | 66 | 52 | — |
| | Cambridge .. | 30·04 | 64 | WNW | 2 | o | 30·05 | — ·07 | 57 | 55 | + 3 | N | 1 | o | * | o | 1·2 | 68 | 52 | — |
| | Yarmouth ... | 30·04 | 60 | ENE | 2 | cv | 30·04 | — ·03 | 57 | 55 | — 2 | NNE | 2 | r | 3 | bc, cv, tlr | * | 62 | 54 | 0·45 |
| GERMANY & HOLLAND. | Cuxhaven ... | 29·95 | 63 | NW | 2 | bc | 29·96 | + ·02 | 60 | 59 | 0 | W | 0 | o | * | bc, r | * | 64 | 55 | 0·67 |
| | Berlin ... ... | 29·96 | 64 | WNW | 1 | c | 30·00 | + ·07 | 62 | 57 | 0 | WNW | 1 | c | * | c | * | 70 | 57 | — |
| | Wiesbaden .. | * | * | * | * | * | 30·04 | + ·03 | 57 | 55 | — 2 | N | 1 | o | * | * | * | 64 | 54 | — |
| | Munich... .. | 30·05 | 59 | W | 0 | r | 30·06 | + ·15 | 54 | 53 | + 1 | NW | 1 | o | * | r | * | 54 | 52 | 0·32 |
| | The Helder ... | 30·09 | 58 | NNW | 2 | o | 30·02 | ·00 | 59 | 55 | 0 | N | 3 | bc | 2 | o | * | 61 | 57 | 0·08 |
| BELGIUM. | Brussels ... | * | * | * | * | * | 30·04 | — ·04 | 58 | 55 | + 3 | NNE | 1 | o | * | o | * | 64 | 51 | — |
| | Cape Gris Nez... | 30·02 | 62 | NE | 1 | c | 29·97 | — ·09 | 57 | 55 | — 4 | W | 0 | r | 0 | c | * | 66 | 54 | 0·08 |
| | Paris ... ... | 30·08 | 60 | NNW | 1 | o | 30·03 | — ·12 | 55 | 54 | + 3 | NNE | 1 | r | * | o | * | 67 | 54 | — |
| | Brest ... ... | 30·20 | 61 | NNW | 3 | c | 30·09 | — ·16 | 57 | 55 | — 1 | N | 3 | c | 2 | c | * | 66 | 52 | — |
| | Lorient... ... | 30·16 | 65 | WSW | 2 | c | 30·10 | — ·12 | 57 | 52 | — 1 | NNE | 4 | bc | 2 | c | * | 66 | 52 | — |
| FRANCE & | Rochefort ... | 30·15 | 66 | NW | 5 | c | 30·09 | — ·12 | 61 | 58 | + 2 | N | 4 | bc | * | c | * | 70 | 55 | — |
| | Belfort ... ... | 29·91 | 66 | NNW | 2 | bc | 30·05 | + ·08 | 60 | 57 | + 7 | NNE | 1 | b | * | bc | * | 72 | 53 | — |
| | Lyons ... ... | 30·06 | 60 | NNW | 3 | c | 30·04 | + ·04 | 57 | 52 | + 1 | N | 1 | b | * | c | * | 64 | 52 | — |
| | Nice ... ... | 29·76 | 65 | W | 0 | c | 29·87 | + ·20 | 66 | 62 | + 4 | W | 0 | bc | 0 | c | * | 73 | 59 | 0·08 |
| | Perpignan ... | 30·03 | 69 | NW | 5 | b | 30·06 | ·00 | 66 | 56 | + 2 | NW | 3 | b | * | b | * | 75 | 60 | — |
| | Biarritz ... | 30·16 | 66 | NNW | 3 | c | 30·07 | — ·08 | 59 | 58 | — 5 | S | 3 | r | 3 | c | * | 70 | 57 | 0·67 |
| PENINSULA. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30·06 | 66 | N | 5 | b | 30·00 | — ·15 | 66 | 58 | — 2 | N | 4 | b | * | b | * | 82 | 61 | — |
| | Azores (P. Delgada) | 30·39 | 71 | ENE | 1 | b | 30·34 | — ·04 | 71 | 68 | — 1 | NNW | 2 | b | 2 | b | * | 79 | 64 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

*Bright Sunshine yesterday Southport 1·9 hrs; Eastbourne 2·5 hrs; Hastings (St Leonards) 5·0 hrs.*

# WEATHER CHARTS

FOR Saturday, 8th August, 1896.

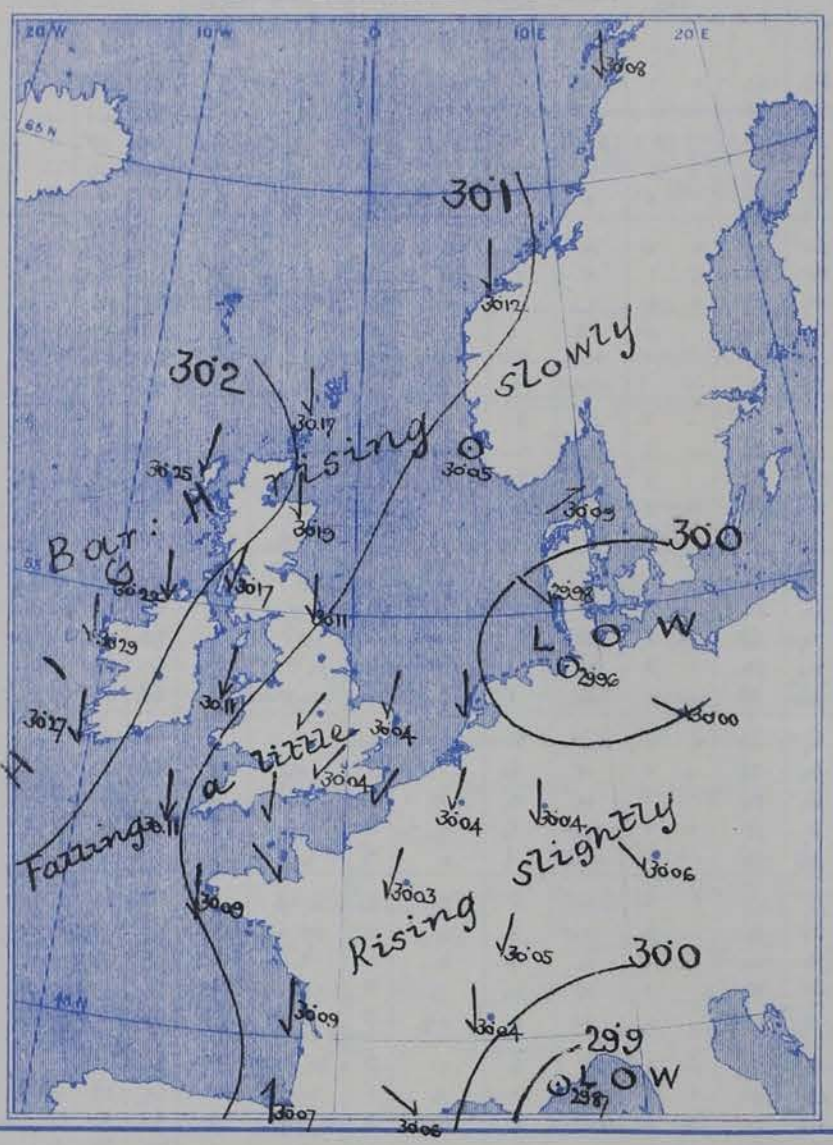
## BAROMETER, WIND AND SEA.

*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ : Force 8 to 10 ⟫⟶ ; Force 1 to 4 ⟶ ; Calm ⊙

*SEA*—Rough ≡ ; High ▬




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 · 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 · 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 · 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 · 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 · 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE** — Highest 30.1 ins. to nearly 30.3 ins. over the western and northern parts of our Islands, and apparently higher over the Atlantic.
Lowest below 29.9 ins. over the Riviera, and below 30.0 ins. over North Germany.
Gradients slight — mainly favourable for N. winds over Scotland and Ireland, but very variable over England. Barometer rising except over the S. parts of our Islands & the N. and W. of France

**TEMPERATURE** — Highest (1) 66° at Nice and Perpignan, 61° at Rochefort; (2) 63° to 60° on the E. side of the North Sea.
Lowest 51° at Sumburgh Hd., 52° at Stornoway, 53° at Nairn, 54° at Shields and York.
A maximum of 70° was recorded at Hurst Castle yesterday, but in most parts of our Islands they ranged from 69° to 64°. At Lisbon the maximum was 82°, at Nice 73°.

**WIND** — As a whole was N. over our Islands and western Europe, and was fresh in force at our western stations. Over England, however, the direction was variable and the force very slight.

**WEATHER** — Cloudy generally, and rain was falling at some of our E. stations and over Belgium and the N.E. of France.
At Nairn, Yarmouth, Cuxhaven and Munich the fall has been considerable, but in other places slight. A thunderstorm occurred at Yarmouth. Bright Sunshine recorded yesterday was — Valencia 8.3 hrs., Scilly 6.1 hrs., Hastings 5.0 hrs., York 4.0 hrs. Eastbourne 2.5 hrs, London 1.0 hr

**SEA** — Slight, very generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some showers are probable over England today, but finer weather subsequently.

# FORECASTS

*For the 24 hours ending at NOON on* 9TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | N. breezes, moderate; slight showers then fine — cold tonight. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | Variable and N. airs; slight local showers, fine later. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | N. breezes; fair as a whole. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.96 | 61 | 56 | NW | 4 | bc | 2 |
| Sumburgh Head | 30.02 | 53 | 52 | NE | 2 | o | 2 |
| Stornoway .. .. | 30.11 | 59 | 55 | NNE | 4 | c | 4 |
| Aberdeen ... ... | 30.05 | 57 | 53 | NW | 2 | op | 1 |
| Shields ... ... | 30.07 | 59 | 56 | ENE | 3 | c | 3 |
| Ardrossan ... ... | 30.08 | 59 | 55 | W | 3 | c | 3 |
| Malin Head ... | 30.15 | 57 | 56 | NW | 5 | c | 3 |
| Belmullet ... ... | 30.30 | 56 | 55 | NW | 3 | o | * |
| Holyhead ... ... | 30.18 | 60 | 57 | NW | 3 | o | 3 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30.36 | 61 | 56 | NW | 4 | c | 4 |
| Scilly ... ... | 30.23 | 62 | 57 | NNW | 5 | bc | 2 |
| Jersey ... ... | 30.15 | 63 | 57 | NW | 4 | c | 3 |
| Hurst Castle ... | 30.10 | 64 | 56 | N | 3 | c | 2 |
| Dungeness ... | 30.07 | 65 | 59 | E | 1 | o | 0 |
| North Foreland | 30.08 | 62 | 55 | N | 2 | o | 2 |
| London (Westminster) | 30.08 | 63 | 56 | NNW | 2 | og | * |
| Yarmouth ... | 30.07 | 59 | 54 | NE | 2 | bc | 3 |
| Rochefort ... | 30.20 | 69 | 64 | NW | 4 | c | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning still fine and bright in the extreme W. and N. of Europe, cloudy elsewhere, and less settled than of late, both over the North Sea and Gt. Britain. Considerable rain falling over Austria, the Riviera and N. of Italy, slight showers at Holyhead and Scilly. Rain falling later in small quantities over the greater part of our Islands, and in larger quantities over several parts of S.W. and central Europe. Thunderstorm reported at Yarmouth, and halos in many parts of England.

Temperature in morning highest 87° at Athens, 84° at Brindisi, 80° at Constantinople and Lesina; much lower elsewhere. Lowest 50° at Bodö, 53° at Sumburgh H. and Stornoway, and below 60° over the United Kingdom generally. Failing to reach 70° over the greater part of our Islands during the day, but touching that value at Hurst Castle, Berlin and Rochefort, 73° at Nice, 82° at Lisbon.

Wind light to fresh from NW. or N. over the British Islands, France, the North Sea and the Baltic, very strong from the NW.ward at Toulon, extremely variable over SE.rn Europe and Russia. Becoming variable in the NE. and E. of England later, but falling light in force.

Barometer highest 30.1 in. to 30.3 ins. and more over all the W.rn and S.W.rn parts of our Islands, the W.rn half of France and the whole of Spain, and exceeding 30.0 in. over the N.W.rn parts of Scandinavia. Lowest 29.7 ins. to 29.8 ins. in a complex system of depressions covering S.rn and SE.rn Europe and the Gulf of Finland, and below 30.0 ins. over the E.rn side of the North Sea; falling somewhat over England and France, rising over N.W.rn Europe.

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### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Sunday 9th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 30·16 | 50 | SW | 0 | b | 30·19 | + ·06 | 56 | 52 | + 3 | S | 2 | bc | # | b | # | 64 | 43 | — |
| | Hernösand ... | 30·17 | 49 | SW | 0 | b | 30·20 | + ·03 | 54 | 50 | — 1 | SW | 0 | c | # | b | # | 64 | 41 | — |
| | Stockholm ... | 30·13 | 52 | N | 2 | b | 30·15 | + ·05 | 57 | 52 | + 1 | N | 2 | b | # | b | # | 61 | 45 | — |
| | Wisby ... ... | 30·10 | 53 | NNE | 4 | b | 30·10 | + ·03 | 53 | 50 | + 1 | NNE | 4 | c | # | b | # | 57 | 46 | — |
| | Karlstad ... | 30·13 | 60 | S | 1 | b | 30·19 | + ·07 | 57 | 50 | 0 | E | 2 | 0 | # | b | # | # | # | — |
| | Bodö ... ... | 30·13 | 51 | N | 1 | b | 30·15 | + ·07 | 57 | 48 | + 3 | SW | 0 | bc | 0 | b | # | 57 | 43 | — |
| | Christiansund ... | 30·13 | 57 | NNW | 1 | bc | 30·16 | + ·04 | 58 | 53 | + 3 | N | 1 | 0 | 1 | bc | # | 59 | 52 | — |
| | Skudesnaes ... | 30·10 | 59 | WNW | 4 | b | 30·17 | + ·12 | 58 | 55 | — 1 | N | 4 | c | 1 | b | # | 63 | 48 | # |
| | Færder (Christiania Fjord) | 30·11 | 65 | S | 2 | c | 30·17 | + ·09 | 66 | 61 | + 3 | S | 1 | bc | 1 | c | # | 70 | 61 | — |
| | Skagen (The Skaw) | 30·13 | 63 | ESE | 2 | bc | 30·16 | + ·07 | 64 | 58 | + 3 | SSE | 2 | bc | 0 | bc | # | 70 | 59 | — |
| | Fano ... ... | 30·00 | 61 | ESE | 2 | c | 30·08 | + ·10 | 61 | 58 | 0 | SE | 4 | c | # | c | # | 68 | 59 | 0·16 |
| Germany & Holland | Sumburgh Head | 30·19 | 50 | N | 2 | 0 | 30·25 | + ·08 | 51 | 47 | 0 | N | 1 | c | 3 | 0 | # | 55 | 46 | 0·01 |
| | Stornoway ... | 30·27 | 54 | ENE | 2 | 0 | 30·30 | + ·05 | 53 | 50 | + 1 | N | 2 | 0 | 2 | 0 | 0·8 | 56 | 47 | — |
| | Wick ... ... | 30·25 | 55 | N | 2 | 0 | 30·31 | + ·08 | 52 | 50 | — 2 | N | 2 | 0 | 1 | 0 | # | 57 | 48 | 0·03 |
| | Nairn ... ... | 30·23 | 55 | SW | 0 | bc | 30·28 | + ·07 | 52 | 50 | — 1 | E | 1 | c | 1 | bc | # | 56 | 49 | — |
| | Aberdeen ... | 30·22 | 54 | NW | 2 | bc | 30·28 | + ·09 | 52 | 48 | — 2 | NNW | 3 | 0 | 3 | ogp.bc | 1·3 | 58 | 48 | 0·02 |
| | Leith ... ... | 30·21 | 57 | ENE | 2 | 0 | 30·27 | + ·10 | 54 | 49 | — 2 | N | 3 | 0 | # | 0 | # | 58 | 51 | 0·01 |
| | Shields ... ... | 30·15 | 56 | NNE | 3 | or | 30·20 | + ·09 | 54 | 51 | 0 | NNE | 3 | op | 4 | op | # | 59 | 50 | 0·24 |
| | Spurn Head ... | 30·06 | 59 | N | 4 | cv | 30·07 | ·00 | 59 | 51 | 0 | N | 5 | cv | 4 | cv | # | 64 | 54 | — |
| | York ... ... | 30·11 | 57 | NNE | 2 | c | 30·16 | + ·07 | 57 | 53 | + 3 | N | 3 | 0 | # | c | 1·9 | 62 | 51 | 0·44 |
| | Loughborough ... | 30·08 | 56 | N | 2 | c | 30·13 | + ·04 | 54 | 53 | 0 | N | 3 | odp | # | od.ep.o | # | 65 | 52 | 0·18 |
| British Islands | Ardrossan ... | 30·18 | 60 | NNE | 1 | 0 | 30·26 | + ·09 | 57 | 50 | — 4 | NE | 3 | bc | 2 | 0 | # | 65 | 52 | 0·01 |
| | Malin Head ... | 30·24 | 55 | N | 4 | c | 30·29 | + ·07 | 54 | 53 | 0 | N | 4 | 0 | 3 | c | # | 57 | 53 | — |
| | Belmullet ... | 30·29 | 56 | N | 3 | 0 | 30·34 | + ·05 | 55 | 52 | — 1 | NNE | 3 | 0 | # | 0 | # | 59 | 53 | — |
| | Donaghadee ... | 30·20 | 61 | ? | 6 | bc | 30·31 | + ·13 | 56 | 52 | — 1 | NE | 6 | c | 4 | bc | # | 66 | 53 | — |
| | Liverpool (Bidston) | 30·11 | 59 | NE | 3 | 0 | 30·19 | + ·10 | 54 | 50 | — 2 | N | 1 | 0 | 2 | dp.0 | # | 63 | 50 | 0·01 |
| | Holyhead ... | 30·14 | 60 | NE | 4 | c | 30·21 | + ·10 | 57 | 53 | 0 | NE | 4 | c | 3 | bc.c | # | 60 | 53 | — |
| | Parsonstown ... | 30·20 | 62 | N | 2 | c | 30·31 | + ·08 | 55 | 53 | 0 | NE | 1 | c | # | c | 4·5 | 63 | 48 | — |
| | Valencia ... | 30·22 | 60 | N | 4 | c | 30·30 | + ·03 | 56 | 52 | 0 | NNE | 3 | c | 3 | c | 5·0 | 64 | 51 | — |
| | Roche's Point ... | 30·16 | 64 | NNW | 4 | b | 30·25 | + ·05 | 58 | 55 | 0 | NNW | 3 | bc | 3 | b | # | 65 | 53 | — |
| | Pembroke (St. Ann's Hd.) | 30·08 | 58 | NE | 5 | b | 30·17 | + ·07 | 58 | 55 | + 1 | ENE | 3 | c | 3 | b | 5·0 | 62 | 55 | 0·03 |
| | Scilly ... ... | 30·06 | 61 | N | 6 | cp | 30·09 | — ·02 | 59 | 56 | 0 | NNE | 6 | c | 3 | cp | 6·6 | 63 | 55 | 0·50 |
| | Prawle Point ... | 30·02 | 55 | N | 2 | r | 30·06 | — ·01 | 59 | 57 | + 1 | NNE | 4 | c | 3 | tp,ct | # | 63 | 52 | 0·15 |
| | Jersey (St. Aubin's) | 29·98 | 63 | NW | 3 | og | 30·00 | — ·05 | 57 | 56 | — 6 | ESE | 4 | opq | 3 | og, thr | # | 68 | 55 | 0·96 |
| | Hurst Castle ... | 30·00 | 57 | ENE | 2 | obr | 30·04 | ·00 | 59 | 56 | + 2 | NNE | 4 | c | 3 | cp, thr | # | 62 | 52 | 0·48 |
| | Dungeness ... | 29·98 | 61 | ENE | 3 | 0 | 29·98 | — ·03 | 57 | 57 | — 1 | NNW | 3 | 0 | 2 | 0 | # | 62 | 54 | 0·60 |
| | North Foreland | 30·01 | 59 | NE | 3 | op | 29·98 | — ·04 | 59 | 56 | + 1 | N | 4 | opq | 3 | op | # | 61 | 54 | 1·01 |
| | London (Brixton) ... | 30·01 | 58 | NE | 2 | op | 30·05 | + ·01 | 58 | 55 | 0 | NNE | 2 | 0 | # | 0.ort,c | 0·0 | 62 | 53 | 0·47 |
| | Oxford ... ... | 30·06 | 55 | NNE | 4 | r | 30·09 | + ·03 | 55 | 53 | 0 | N | 4 | 0 | # | thp,r | # | 63 | 49 | 0·68 |
| | Cambridge ... | 30·04 | 62 | E | 1 | b | 30·07 | + ·02 | 57 | 55 | 0 | N | 4 | 0 | # | thr, b | 2·2 | 64 | 49 | 0·37 |
| | Yarmouth ... | 30·04 | 61 | NNE | 3 | cv | 30·03 | — ·01 | 59 | 57 | + 2 | NNE | 4 | cp | 4 | bc, cv | # | 62 | 56 | 0·10 |
| | Cuxhaven ... | 29·97 | 63 | NNE | 1 | 0 | 30·04 | + ·08 | 57 | 57 | — 3 | SE | 2 | r | # | 0 | # | 64 | 55 | 0·16 |
| | Berlin ... ... | 30·01 | 62 | NNE | 1 | c | 30·07 | + ·07 | 59 | 55 | — 3 | E | 2 | b | # | c | # | 68 | 55 | 0·08 |
| | Wiesbaden ... | * | * | * | * | * | 29·99 | — ·05 | 57 | 55 | 0 | N | 2 | r | # | * | # | 68 | 55 | 0·24 |
| | Munich ... .. | 30·02 | 56 | E | 3 | bc | 30·01 | — ·05 | 54 | 54 | 0 | E | 0 | r | # | bc | # | 64 | 50 | 0·04 |
| | The Helder ... | 30·00 | 61 | NNW | 2 | bc | 29·99 | — ·03 | 61 | 57 | + 2 | ENE | 2 | 0 | 1 | bc | # | 63 | 59 | 0·08 |
| France & Belgium | Brussels ... | * | * | * | * | * | 29·99 | — ·05 | 57 | 56 | — 1 | ENE | 1 | 0 | # | r | # | 65 | 52 | 0·24 |
| | Cape Gris Nez ... | 29·97 | 58 | ENE | 4 | r | 29·95 | — ·02 | 58 | 56 | + 1 | SSE | 2 | c | 2 | r | # | 61 | 55 | 0·35 |
| | Paris ... ... | 29·97 | 57 | NNE | 1 | 0 | 29·97 | — ·06 | 53 | 53 | — 2 | E | 0 | 0 | # | 0 | # | 60 | 48 | 0·12 |
| | Brest ... ... | 30·04 | 59 | NNW | 3 | c | 29·97 | — ·12 | 55 | 54 | — 2 | NNE | 1 | 0 | 2 | c | # | 64 | 50 | — |
| | Lorient ... ... | 30·05 | 66 | NE | 2 | c | 29·97 | — ·13 | 55 | 53 | — 2 | N | 4 | c | 2 | c | # | 70 | 50 | 0·08 |
| | Rochefort ... | 30·03 | 65 | NW | 5 | bc | 29·99 | — ·10 | 60 | 58 | — 1 | NW | 2 | r | # | bc | # | 70 | 55 | 0·32 |
| | Belfort ... ... | 29·95 | 58 | W | 1 | m | 29·97 | — ·08 | 53 | 52 | — 7 | SW | 0 | m | # | m | # | 60 | 45 | 0·12 |
| | Lyons ... ... | 29·99 | 60 | NW | 1 | c | 30·00 | — ·04 | 57 | 53 | 0 | E | 1 | b | # | c | # | 69 | 49 | — |
| | Nice ... ... | 29·88 | 64 | S | 1 | b | 29·93 | + ·06 | 65 | 60 | — 1 | SW | 0 | b | 0 | b | # | 75 | 57 | — |
| | Perpignan ... | 29·98 | 66 | S | 1 | 0 | 30·01 | — ·05 | 63 | 59 | — 3 | W | 1 | c | # | 0 | # | 75 | 56 | 0·08 |
| | Biarritz ... | 30·05 | 67 | NW | 4 | c | 30·01 | — ·06 | 59 | 56 | 0 | SW | 3 | r | 2 | c | # | 68 | 55 | 0·39 |
| Peninsula | Corunna ... | | | | | | | | | | | | | | | | # | | | — |
| | Lisbon ... ... | | | | | | | | | | | | | | # | | # | | | — |
| | Azores (P. Delgada) | 30·30 | 68 | NE | 4 | c | 30·31 | — ·03 | 69 | 63 | — 2 | E | 2 | c | 2 | c | # | 71 | 64 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 2·8 hrs; Eastbourne 0·0 hrs. Hastings (St Leonards)*

# WEATHER CHARTS

FOR Sunday, 9th August, 1896.

## BAROMETER, WIND AND SEA.

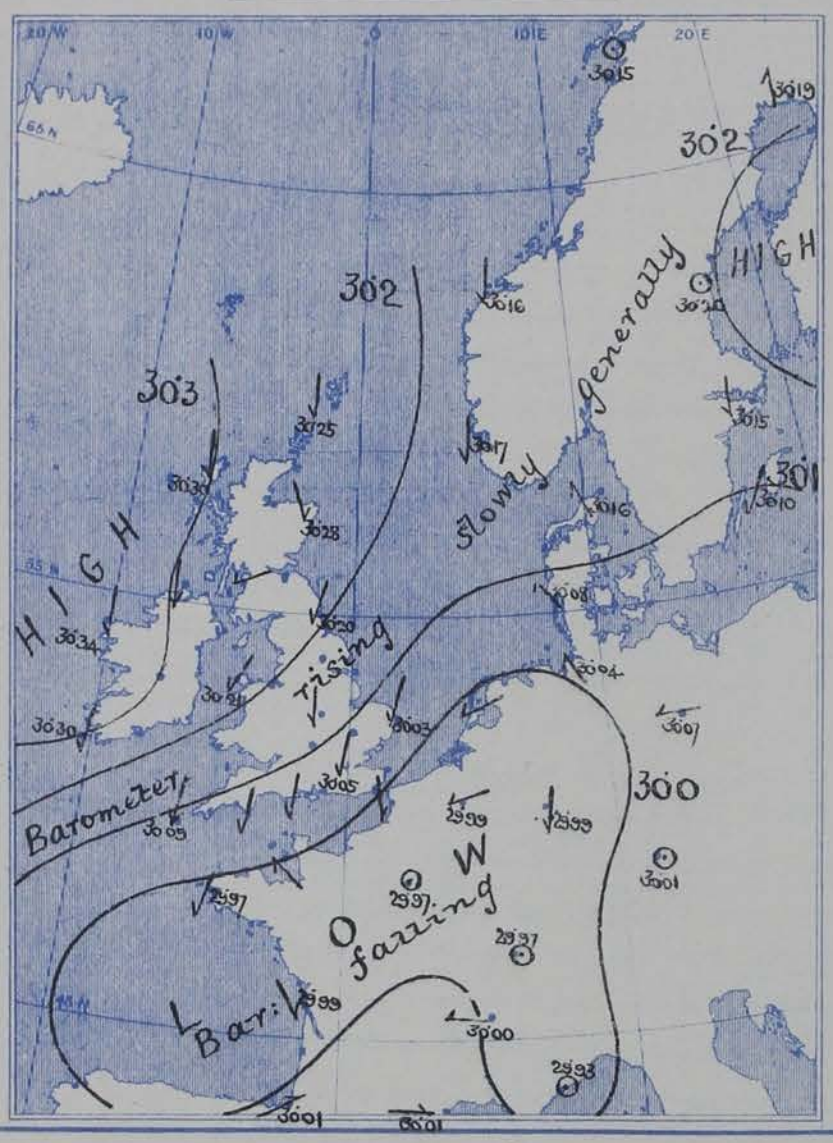
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

*Force above 10* ⟫⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙

*Force 8 to 10* ⟫⟶ ; *Force 1 to 4* ⟶ ; }

*SEA*—*Rough* ▤ ; *High* ▩

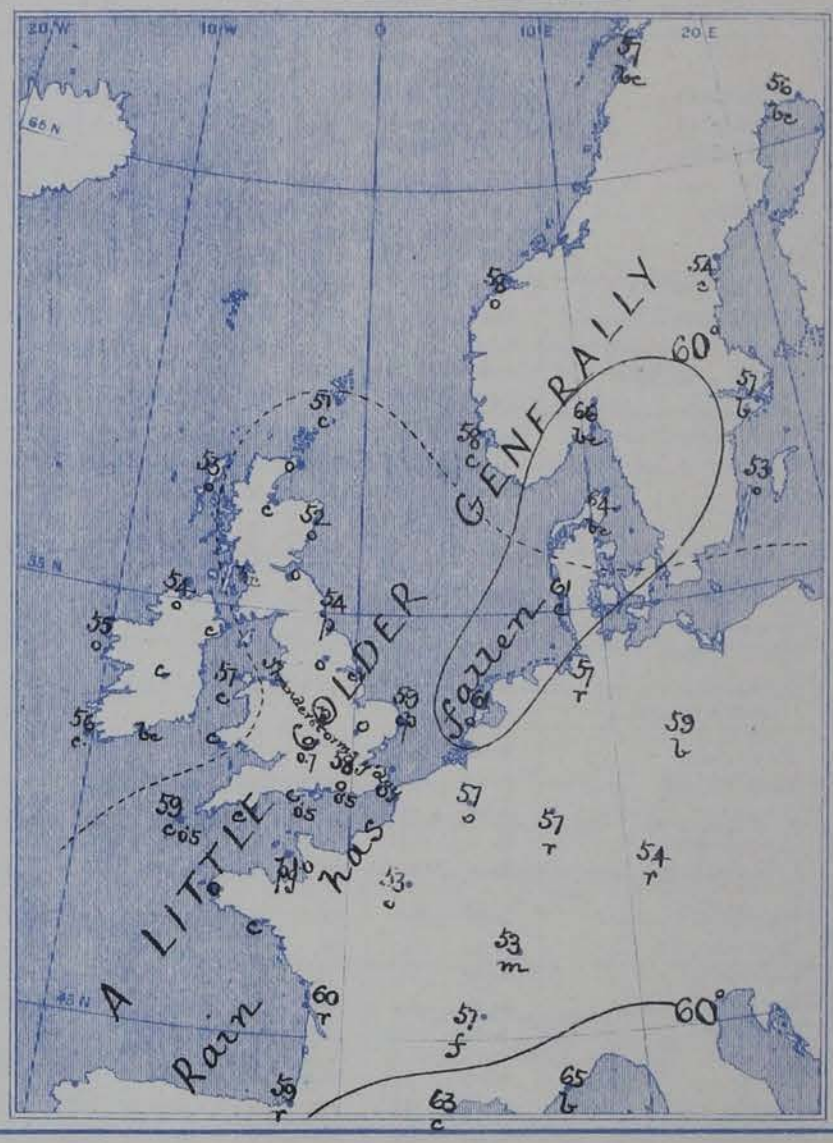



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—{ *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 · 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 · 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 · 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 · 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 · 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest, 30·2 ins: to 30·3 ins: and more over Ireland, Scotland, and the northwest of England, and exceeding 30·2 ins: over Finland and the north of Russia.
Lowest, Below 30·0 ins: in a complex depression covering the Bay of Biscay, France, and the Netherlands.
Gradients moderate to slight over our Islands, very slight elsewhere, but mainly anticyclonic over Northern Europe, cyclonic over the Netherlands, France, and the Bay of Biscay. Barometer falling over the southern part of our area, rising in the north.

**TEMPERATURE**

Highest, (1) 65° at Nice, 60° at Rochefort, 59° at Scilly and Prawle Point; (2) 64° at the Scaw, 61° at Faroe, 56° at Haparanda.
Lowest, 51° at Lerwick Ntd, 52° on the northeast coasts of Scotland, 54° at Liverpool and Loughborough.
The maxima recorded yesterday were below 60° in Scotland, and below 65° over nearly the whole of England. Even at Nice and Perpignan they did not exceed 75°.

**WIND**

N. over the British Islands, the west of France, and the Bay of Biscay, and moderate in force, but gentle at the southeastern stations; light and very variable (but mainly NE.) on the Continent; calm in the west and south of Germany.

**WEATHER**

Fair at times in some parts of Scandinavia and over Ireland, dull elsewhere, with rain in many eastern parts of England and over France.
Heavy rain has fallen over the southern and eastern counties – exceeding 1 inch at the North Foreland, and smaller quantities over France. Bright Sunshine yesterday, London – none.

**SEA**

Moderate in the northeast and east, slight on our other coasts.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

---

# FORECASTS

*For the 24 hours ending at NOON on* 10th AUGUST, 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | NONE ISSUED |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | NONE ISSUED |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| WARNINGS | | NONE ISSUED |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 30·08 | 62 | 58 | W | 2 | b | 2 |
| Sumburgh Head | 30·18 | 54 | 50 | N | 2 | o | 3 |
| Stornoway ... ... | 30·26 | 55 | 52 | NE | 3 | o | 3 |
| Aberdeen ... ... | 30·21 | 54 | 50 | N | 3 | o g | 3 |
| Shields ... ... | 30·14 | 58 | 55 | NNE | 3 | p | 3 |
| Ardrossan ... ... | 30·17 | 63 | 55 | NNE | 2 | c | 2 |
| Malin Head ... | 30·23 | 56 | 55 | N | 5 | c | 3 |
| Belmullet ... ... | 30·28 | 58 | 54 | NE | 3 | bc | * |
| Holyhead ... ... | 30·13 | 60 | 56 | NNE | 5 | bc | 4 |
| Valencia ... ... | 30·24 | 61 | 55 | NNW | 3 | c | 4 |
| Scilly ... ... | 30·08 | 58 | 57 | NNW | 6 | cp | 3 |
| Jersey ... ... | 30·01 | 68 | 59 | WNW | 4 | bc | 3 |
| Hurst Castle ... | 30·00 | 61 | 59 | NNE | 1 | ct | 1 |
| Dungeness ... | 29·99 | 62 | 58 | E | 0 | o | 0 |
| North Foreland | 30·02 | 60 | 56 | E | 2 | o | 1 |
| London (Westminster) | 30·02 | 63 | 54 | NNE | 2 | o | * |
| Yarmouth ... | 30·03 | 62 | 57 | NE | 3 | bc | 3 |
| Rochefort ... | 30·07 | 69 | 63 | NNW | 5 | bc | # |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the northern parts of Scandinavia on the one hand, and over the Iberian Peninsula and west of France on the other; cloudy or overcast elsewhere, showery over the United Kingdom – especially in the east – rainy over the north east of France, Belgium and many parts of Russia. Heavy rains later over the southern and northeastern counties of England, and very general rains over France, Germany, and Denmark; thunderstorms at several of our southern stations, and hail in some localities.

Temperature falling over our Islands and the Mediterranean. Morning readings highest 88° at Bucharest, 85° at Athens, but below 80° at by far the major part of the Mediterranean stations. 66° at Nice and at Lisbon, 63° at Jersey; 68° at Odessa, 65° at Lemberg, 61° at Moscow and Riga. Lowest 47° at Archangel, 51° at Hernosand and at Sumburgh Hd., 53° at Nairn, and below 60° over the British Islands generally. Not touching 60° in Scotland later, but rising to between 60° and 65° over Ireland and England, to 70° in the west of France and to 75° at Nice.

Wind NE. light over the extreme northern countries, N., moderate to fresh, over the British Islands and Bay of Biscay, light and very variable over Central Europe, moderate and cyclonic over the Mediterranean and Algeria. Freshening a little over the east of England later.

Barometer highest 30·2 in. and upwards, over the extreme western and northwestern parts of the United Kingdom, and still higher over the Atlantic; Lowest, Below 29·9 in. over the northern parts of the Mediterranean; below 29·7 in. over Central Russia and below 30·0 in. in some very shallow depressions over the North Sea, Holstein, and the extreme southeast of England. Latter systems becoming more strongly marked later and spreading down the English Channel.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Monday 10th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 30·15 | 50 | 2 | 0 | b | 30·15 | — ·04 | 57 | 54 | + 1 | SSW | 2 | c | * | b | * | 61 | 36 | — |
| | Hernösand ... | 30·17 | 51 | 2 | 0 | c | 30·10 | — ·10 | 57 | 52 | + 3 | SW | 2 | o | * | c | * | 61 | 41 | — |
| | Stockholm ... | 30·17 | 55 | NE | 2 | b | 30·14 | — ·01 | 60 | 53 | + 3 | 2 | o | o | * | b | * | 63 | 45 | — |
| | Wisby ... ... | 30·16 | 51 | NNE | 4 | b | 30·17 | + ·07 | 56 | 52 | + 3 | NE | 4 | b | * | b | * | 57 | 45 | — |
| | Karlstad ... | 30·14 | 61 | 2 | 0 | bc | 30·10 | — ·09 | 61 | 57 | + 4 | W | 2 | b | * | bc, r | * | * | * | — |
| | Bodö ... ... | 30·16 | 51 | 2 | 0 | o | 30·15 | ·00 | 50 | 48 | — 7 | WSW | 2 | c | 1 | o | * | 57 | 45 | 0·04 |
| | Christiansund ... | 30·21 | 54 | N | 2 | c | 30·19 | + ·03 | 54 | 49 | — 4 | NE | 1 | b | 1 | c | * | 61 | 52 | — |
| | Skudesnaes ... | 30·21 | 58 | NNW | 4 | c | 30·21 | + ·04 | 57 | 52 | — 1 | NW | 4 | c | 2 | c | * | 63 | 48 | * |
| | Færder (Christiania Fjord) | 30·15 | 65 | WNW | 2 | c | 30·11 | — ·06 | 64 | 60 | — 2 | 2 | o | b | 1 | c | * | 66 | 64 | — |
| | Skagen (The Scaw) | 30·18 | 69 | N | 1 | bc | 30·16 | ·00 | 64 | 59 | o | W | 2 | b | o | bc | * | 72 | 55 | — |
| | Fanö ... ... | 30·13 | 59 | 2 | o | b | 30·17 | + ·09 | 58 | 56 | — 3 | 2 | o | b | * | b | * | 72 | 52 | 0·12 |
| | Sumburgh Head | 30·25 | 53 | NW | 2 | bc | 30·15 | — ·10 | 52 | 52 | + 1 | W | 2 | r | 3 | bc | * | 55 | 45 | 0·02 |
| | Stornoway ... | 30·30 | 55 | S | 2 | ov | 30·24 | — ·06 | 54 | 54 | + 1 | WSW | 4 | r | 4 | ov | 0·4 | 59 | 51 | 0·09 |
| | Wick ... ... | 30·32 | 56 | N | 2 | bc | 30·23 | — ·08 | 56 | 54 | + 4 | N | 2 | c | 1 | bc | * | 58 | 44 | — |
| | Nairn ... ... | 30·28 | 58 | 2 | o | bc | 30·24 | — ·04 | 55 | 52 | + 3 | W | 2 | bc | 1 | bc | * | 59 | 39 | — |
| | Aberdeen ... | 30·31 | 52 | N | 2 | og | 30·28 | ·00 | 55 | 50 | + 3 | SW | 2 | bc | 1 | og | 0·0 | 57 | 42 | — |
| British Islands | Leith ... ... | 30·28 | 54 | ENE | 3 | c | 30·30 | + ·03 | 55 | 50 | + 1 | W | 1 | bcm | * | c | * | 58 | 43 | — |
| | Shields ... ... | 30·23 | 56 | NNE | 5 | c | 30·30 | + ·10 | 56 | 52 | + 2 | NNE | 2 | o | 4 | p,c | * | 59 | 52 | 0·01 |
| | Spurn Head ... | ? 30·12 | 58 | N | 6 | o | 30·20 | + ·13 | 59 | 58 | o | NNE | 4 | cp | 4 | op | * | 61 | 55 | 0·05 |
| | York ... ... | 30·18 | 58 | N | 4 | o | 30·27 | + ·11 | 55 | 54 | — 2 | N | 1 | o | * | o | 1·8 | 60 | 53 | — |
| | Loughborough ... | 30·15 | 57 | N | 3 | o | 30·24 | + ·11 | 58 | 56 | + 4 | N | 3 | cm | * | odp, gm | * | 61 | 53 | 0·01 |
| | Ardrossan ... | 30·27 | 60 | WSW | 1 | bcm | 30·32 | + ·06 | 54 | 51 | — 3 | SE | 1 | cm | 1 | bcm | * | 60 | 44 | — |
| | Malin Head ... | 30·32 | 55 | N | 4 | c | 30·34 | + ·05 | 55 | 54 | + 1 | WSW | 2 | o | 1 | c | * | 58 | 53 | — |
| | Belmullet ... | 30·34 | 57 | NNE | 2 | o | 30·38 | + ·04 | 58 | 54 | + 3 | NNW | 1 | b | * | o | * | 60 | 52 | — |
| | Donaghadee ... | 30·27 | 58 | NNW | 4 | c | 30·35 | + ·04 | 57 | 54 | + 1 | WNW | 4 | b | 2 | c | * | 62 | 50 | — |
| | Liverpool (Bidston) | 30·20 | 58 | NNE | 2 | o | 30·29 | + ·10 | 57 | 52 | + 3 | N | 1 | c | 2 | b, o | * | 60 | 52 | — |
| | Holyhead ... | 30·24 | 57 | NNE | 5 | c | 30·31 | + ·10 | 58 | 54 | + 1 | NNE | 2 | bc | 1 | c | * | 58 | 52 | — |
| | Parsonstown ... | 30·26 | 64 | N | 2 | b | 30·40 | + ·09 | 54 | 51 | — 1 | 2 | o | b | * | b | 11·2 | 66 | 46 | — |
| | Valencia ... | 30·32 | 61 | N | 4 | c | 30·34 | + ·09 | 58 | 53 | + 2 | N | 2 | bc | 2 | c | 10·5 | 63 | 51 | — |
| | Roche's Point ... | 30·26 | 61 | SE | 1 | c | 30·37 | + ·12 | 57 | 54 | — 1 | NNW | 4 | b | 3 | p, c | * | 66 | 50 | — |
| | Pembroke (St. Ann's Rd.) | 30·18 | 60 | NE | 5 | c | 30·27 | + ·10 | 60 | 57 | + 2 | NE | 5 | c | 3 | c | 7·8 | 63 | 52 | — |
| | Scilly ... ... | 30·16 | 61 | NNE | 6 | c | 30·23 | + ·14 | 61 | 57 | + 2 | N | 6 | c | 3 | c | 11·5 | 63 | 56 | — |
| | Prawle Point ... | 30·10 | 59 | NNE | 5 | c | 30·19 | + ·13 | 56 | 54 | — 3 | NNE | 4 | o | 3 | c | * | 68 | 52 | — |
| | Jersey (St. Aubin's) | 30·02 | 60 | N | 4 | cp | 30·12 | + ·12 | 60 | 58 | + 3 | NNE | 3 | cm | 3 | cp | * | 65 | 55 | 0·47 |
| | Hurst Castle ... | 30·05 | 59 | NNE | 4 | cpq | 30·15 | + ·11 | 61 | 57 | + 2 | NNE | 3 | bc | 2 | cpq | * | 66 | 59 | 0·04 |
| | Dungeness ... | 29·97 | 63 | NNE | 3 | bc | 30·07 | + ·09 | 60 | 59 | + 3 | ENE | 4 | r | 3 | bc, thr | * | 67 | 55 | 0·27 |
| | North Foreland | 30·01 | 60 | NE | 3 | bc | 30·12 | + ·14 | 62 | 59 | + 3 | NE | 3 | o | 3 | bc | * | 63 | 59 | 0·01 |
| | London (Brixton) ... | 30·01 | 58 | NE | 2 | op | 30·15 | + ·10 | 59 | 57 | + 1 | NNE | 2 | odp | * | or, o | 0·6 | 63 | 55 | 0·34 |
| | Oxford ... ... | 30·13 | 56 | N | 4 | o | 30·20 | + ·11 | 58 | 56 | + 3 | NE | 4 | o | * | opw | * | 61 | 53 | 0·07 |
| | Cambridge ... | 30·09 | 56 | N | 4 | o | 30·18 | + ·11 | 60 | 59 | + 3 | N | 4 | o | * | o, r | 1·0 | 62 | 52 | 0·16 |
| | Yarmouth ... | 30·04 | 62 | NE | 4 | bc | 30·15 | + ·12 | 62 | 60 | + 3 | NE | 3 | cp | 3 | p, bc | * | 62 | 57 | 0·16 |
| Germany & Holland | Cuxhaven ... | 30·07 | 65 | E | 4 | o | 30·14 | + ·10 | 59 | 59 | + 2 | SSE | 1 | c | * | o | * | 66 | 55 | — |
| | Berlin ... ... | 30·06 | 63 | NE | 3 | b | 30·13 | + ·06 | 60 | 55 | + 1 | NE | 2 | b | * | b | * | 72 | 54 | — |
| | Wiesbaden ... | * | * | * | * | * | 30·07 | + ·08 | 54 | 53 | — 3 | E | 1 | bc | * | * | * | 63 | 50 | 0·24 |
| | Munich .. .. | 30·05 | 57 | SW | 1 | bc | 30·11 | + ·10 | 54 | 53 | o | W | 1 | bc | * | bc | * | 64 | 48 | 0·08 |
| | The Helder ... | 30·02 | 63 | NE | 3 | c | 30·13 | + ·14 | 62 | 58 | + 1 | ENE | 3 | b | 1 | c | * | 66 | 61 | — |
| France & Belgium | Brussels ... | * | * | * | * | * | 30·09 | + ·10 | 56 | 54 | — 1 | NNE | 2 | f | * | o | * | 69 | 52 | — |
| | Cape Gris Nez ... | 29·96 | 61 | E | 2 | c | 30·09 | + ·08 | 58 | 58 | o | E | 2 | r | 2 | c | * | 66 | 55 | 0·20 |
| | Paris ... ... | 29·97 | 58 | SE | 1 | o | 30·05 | + ·08 | 55 | 54 | + 2 | N | 1 | o | * | o | * | 67 | 50 | 0·20 |
| | Brest ... ... | 30·06 | 65 | NE | 3 | bc | 30·15 | + ·18 | 57 | 54 | + 2 | NE | 2 | c | 2 | bc | * | 66 | 52 | — |
| | Lorient ... ... | 29·97 | 55 | NNE | 6 | bc | 30·09 | + ·12 | 54 | 52 | — 1 | NNE | 4 | o | 2 | bc | * | 61 | 52 | 0·39 |
| | Rochefort ... | 29·98 | 64 | NW | 3 | c | 30·05 | + ·06 | 59 | 58 | — 1 | E | 1 | c | * | c | * | 72 | 55 | — |
| | Belfort ... ... | 29·93 | 64 | 2 | o | o | 30·02 | + ·05 | 54 | 54 | + 1 | NE | 1 | f | * | o | * | 70 | 51 | 0·04 |
| | Lyons ... ... | 29·98 | 60 | NW | 1 | r | 30·03 | + ·03 | 56 | 53 | — 1 | N | 1 | bc | * | r | * | 73 | 51 | 0·16 |
| | Nice ... ... | 29·94 | 68 | 2 | o | b | 29·99 | + ·06 | 62 | 56 | — 3 | 2 | o | o | o | b | * | 77 | 57 | — |
| | Perpignan ... | 29·96 | 66 | 2 | o | o | 30·00 | — ·01 | 62 | 59 | — 1 | 2 | o | o | * | o | * | 76 | 59 | 0·04 |
| | Biarritz ... | 30·00 | 65 | W | 3 | c | 30·01 | ·00 | 59 | 57 | o | WSW | 4 | r | 2 | c, thr | * | 66 | 57 | 0·32 |
| Peninsula | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 29·96 | 61 | N | 5 | b | 29·99 | — ·01 | 65 | 57 | — 1 | N | 5 | b | * | b | * | 73 | 59 | — |
| | Azores (P. Delgada) | 30·32 | 68 | NE | 3 | c | 30·29 | — ·02 | 69 | 64 | o | ENE | 3 | c | 3 | c | * | 77 | 64 | — |

*For Explanation of Columns, see bottom of last page.* *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

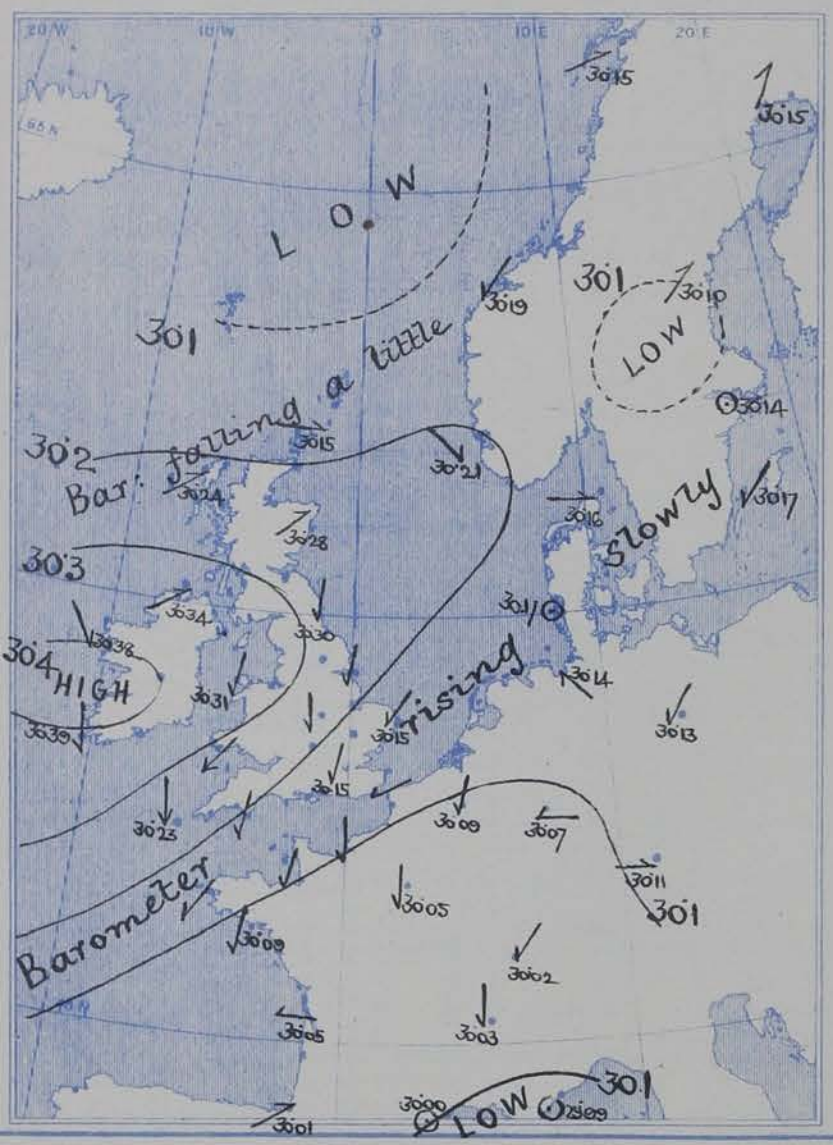
*Bright Sunshine yesterday: Southport 1·5 hrs; Eastbourne 0·8 hrs. Hastings (St Leonard's) 2·0 hrs.*

# WEATHER CHARTS

FOR Monday, 10th August, 1896.

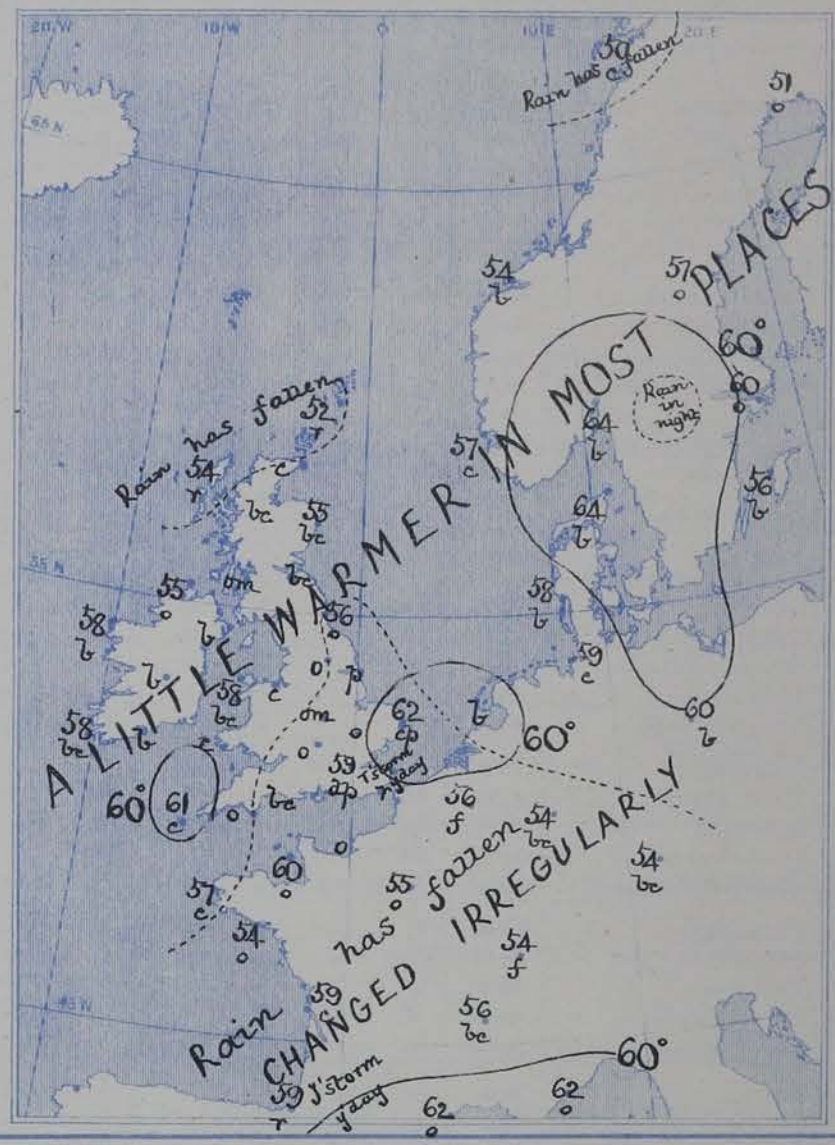
## BAROMETER, WIND AND SEA.

*BAROMETER*—Isobars are drawn for each tenth of an inch.
*WIND*—Arrows show Directions and Force, flying with the wind.
Force above 10 ⇉ : Force 5 to 7 ⟶ : Calm ⊙
Force 8 to 10 ⟶ : Force 1 to 4 ⟶ :
*SEA*—Rough ≡ : High ▩




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.
*WEATHER*—Shown by Letters of the Beaufort Scale.
*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 · 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 · 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 · 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 · 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 · 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30·4 ins. to 30·2 ins. in an anticyclone spreading over our W.ⁿ and N.ⁿ districts from the Atlantic.
Lowest below 30·1 ins. over France and in a very shallow system over Sweden.
Gradients slight for W.ly and SW.ly winds in the north, moderate for N.ly & NE.ly breezes in the south.
Barometer falling a little in the north, rising elsewhere.

**TEMPERATURE**

Highest (1) 65° at Lisbon, 62° at Yarmouth, 61° at Hurst Castle and Scilly, 58° at Valencia (Ireland);
(2) 64° at the Scaw and Faeroe, 61° at Karlstad, 60° at Stockholm.
Lowest 50° at Bodö, 52° at Sumburgh Hd., 54° at Ardrossan.
The maxima recorded yesterday were below 60° in Scotland, but ranged from 60° to 67° in various parts of England. The night temperatures were low over Scotland.

**WIND**

Light from the W.nd in the north of our Islands and at Christiansund, but N.ly to NE.ly over our Islands and France, and moderate to fresh in force. To the E.nd of the North Sea the wind was light and very variable.
It blew rather strongly in squalls over our southeastern counties yesterday.

**WEATHER**

Still showery and dull at our southeastern stations; fair in the west and north.
Considerable rain fell over the southeastern counties and over the Channel yesterday — the amounts measured this morning being 1·2 ins. at Sittingbourne, 0·47 ins. at Jersey, 0·34 in. in London, 0·27 in. at Dungeness; thunder and lightning occurred at Dungeness. Bright Sunshine recorded yesterday was 8 to 12 hrs. at our W.n stations, but only 2 hrs. at Hastings, 1 hr. at Cambridge, 0·8 hr. at Eastbourne, and 0·6 hr. in London.

**SEA**

Moderate on our N.n and E.n coasts, slight in the SW., smooth in the N. and NW.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Weather is likely to clear up over England as the day advances, but will probably become showery in the north.

# FORECASTS

*For the 24 hours ending at NOON on* 11TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | SW.ly and W.ly winds, showers at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | NW.ly and W.ly breezes, light, fine, perhaps showers tomorrow. |
| 3 | ENGLAND EAST | Same as No. 5. |
| 4 | MIDLAND COUNTIES | Same as No. 2. |
| 5 | ENGLAND SOUTH | NE.ly breezes, moderate to light, becoming fine, cold tonight. |
| 6 | SCOTLAND WEST | Same as Nos. 0 and 1. |
| 7 | ENGLAND N.W. | Same as No. 2. |
| 8 | ENGLAND S.W. | NE.ly breezes, moderate, fine. |
| 9 | IRELAND NORTH | Same as Nos. 0 and 1. |
| 10 | IRELAND SOUTH | N.ly breezes, moderate, fine |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 30·17 | 63 | 58 | NNW | 4 | b | 1 |
| Sumburgh Head | | | | | | | |
| Stornoway ... ... | 30·30 | 56 | 53 | S | 2 | o | 2 |
| Aberdeen ... ... | | | | | | | |
| Shields ... ... | | | | | | | |
| Ardrossan ... ... | | | | | | | |
| Malin Head ... | 30·31 | 57 | 56 | N | 4 | bc | 2 |
| Belmullet ... ... | 30·34 | 59 | 55 | NNE | 4 | o | * |
| Holyhead ... ... | | | | | | | |
| Valencia ... ... | | | | | | | |
| Scilly ... ... | | | | | | | |
| Jersey ... ... | 30·02 | 63 | 58 | NE | 5 | bc | 3 |
| Hurst Castle ... | | | | | | | |
| Dungeness ... | 29·98 | 66 | 61 | ENE | 3 | bc | 2 |
| North Foreland | 30·00 | 62 | 58 | NNE | 2 | bc | 2 |
| London (Westminster) | | | | | | | * |
| Yarmouth ... | | | | | | | |
| Rochefort ... | 29·98 | 72 | 65 | NW | 1 | c | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

*Continental Information not yet received.*

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 2ND TO 8TH AUG. 1896.

From the beginning of the week until Thursday barometric pressure was continuously highest over Ireland and the neighbouring parts of the Atlantic, and lowest over the Baltic and central Europe, so that the weather during this period was, as a whole dry over our Islands, the winds N. to (NW to NE), the weather quiet but at times very cloudy and temperature decreasing. On the nights of the 3rd and 4th the lowest temperatures recorded on the grass were 32° and 33° respectively at Loughborough.

Pressure then gave way a little and depressions began to appear over France and the North Sea, with the result that the rainy weather which had previously existed over N. central and S. Europe spread over the British Islands generally for a time, and the falls were especially heavy at our S. and E. stations towards the end of the week.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

# DAILY WEATHER REPORT

*for 8 a.m. on* Tuesday 11th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins | Ins | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 30·12 | 52 | 2 | 0 | 0 | 30·10 | −·05 | 57 | 53 | 0 | 2 | 0 | b | * | 0 | * | 59 | 37 | — |
| | Hernösand ... | 30·07 | 53 | 2 | 0 | 0 | 30·01 | −·09 | 53 | 51 | − 4 | E | 2 | r | * | 0 | * | 59 | 48 | 0·35 |
| | Stockholm ... | 30·04 | 55 | 2 | 0 | 0 | 29·95 | −·19 | 59 | 56 | − 1 | W | 2 | c | * | 0 | * | 66 | 48 | 0·08 |
| | Wisby ... ... | 30·11 | 57 | SSW | 4 | bc | 30·00 | −·17 | 62 | 59 | + 6 | WSW | 4 | b | * | bc | * | 62 | 52 | — |
| | Karlstad ... | 29·99 | 62 | SW | 2 | bc | 29·97 | −·13 | 57 | 53 | − 4 | NNE | 2 | 0 | * | bc | * | * | * | — |
| | Bodö ... ... | 30·13 | 53 | NW | 1 | 0 | 30·07 | −·08 | 53 | 48 | + 3 | 2 | 0 | 0 | 0 | 0 | * | 54 | 46 | — |
| | Christiansund ... | 30·11 | 56 | N | 2 | b | 29·98 | −·21 | 53 | 49 | − 1 | NE | 3 | b | 2 | b | * | 59 | 50 | — |
| | Skudesnaes ... | 30·13 | 57 | NW | 4 | 0 | 29·97 | −·24 | 55 | 54 | − 2 | ESE | 4 | rf | 2 | 0 | * | 61 | 52 | * |
| | Færder (Christiania Fjord) | 29·97 | 65 | SW | 3 | b | 29·97 | −·14 | 57 | 56 | − 7 | NNE | 3 | r | 2 | b | * | 66 | 57 | 0·04 |
| | Skagen (The Scaw) | 30·02 | 61 | WNW | 4 | bc | 29·95 | −·21 | 60 | 55 | − 4 | WNW | 4 | 0 | 1 | bc | * | 68 | 55 | — |
| | Fano ... ... | 30·16 | 57 | NW | 3 | b | 30·09 | −·08 | 60 | 57 | + 2 | NW | 6 | c | * | b | s | 72 | 55 | — |
| | Sumburgh Head | 29·99 | 55 | W | 2 | r | 29·96 | −·19 | 53 | 53 | + 1 | WNW | 3 | 0 | 3 | r | * | 56 | 51 | 0·38 |
| | Stornoway ... | 30·16 | 59 | WNW | 3 | r | 30·19 | −·05 | 53 | 53 | − 1 | NW | 3 | r | 3 | r,o,d | 0·0 | 62 | 51 | 0·21 |
| | Wick ... ... | 30·12 | 61 | NW | 3 | 0 | 30·10 | −·13 | 55 | 54 | − 1 | N | 6 | 0 | 3 | 0 | * | 63 | 52 | 0·10 |
| | Nairn ... ... | 30·15 | 60 | W | 2 | c | 30·13 | −·11 | 58 | 55 | + 3 | W | 1 | bc | 1 | c | * | 60 | 52 | 0·06 |
| | Aberdeen ... | 30·17 | 61 | SW | 1 | 0g | 30·13 | −·15 | 59 | 55 | + 4 | NW | 4 | bcg | 2 | or,0g | 6·1 | 64 | 55 | 0·07 |
| British Isles. | Leith ... ... | 30·22 | 61 | W | 3 | 0 | 30·13 | −·17 | 61 | 59 | + 6 | WSW | 1 | 0 | * | 0 | * | 69 | 52 | 0·06 |
| | Shields ... ... | 30·23 | 60 | SSE | 2 | c | 30·15 | −·15 | 58 | 57 | + 2 | WSW | 3 | 0 | 2 | c,r | * | 61 | 55 | 0·05 |
| | Spurn Head ... | 30·25 | 58 | NNE | 5 | bc | 30·19 | −·01 | 60 | 58 | + 1 | WNW | 4 | c | 3 | bc | * | 63 | 54 | — |
| | York ... ... | 30·26 | 67 | NW | 1 | b | 30·21 | −·06 | 60 | 58 | + 5 | W | 2 | 0 | * | b | 3·8 | 67 | 52 | — |
| | Loughborough ... | 30·26 | 64 | NE | 2 | bc | 30·27 | + ·03 | 58 | 55 | 0 | W | 2 | cmw | * | c,bc,cm | * | 67 | 49 | — |
| | Ardrossan ... | 30·26 | 59 | W | 3 | 0 | 30·18 | −·14 | 59 | 58 | + 5 | NW | 4 | 0 | 3 | 0 | * | 61 | 53 | 0·02 |
| | Malin Head ... | 30·30 | 58 | WSW | 3 | cm | 30·27 | −·07 | 56 | 56 | + 1 | NNW | 4 | cm | 2 | cm | * | 60 | 55 | 0·02 |
| | Belmullet ... | 30·37 | 60 | WSW | 2 | 0 | 30·39 | + ·01 | 60 | 60 | + 2 | W | 2 | 0 | * | 0 | * | 61 | 54 | 0·08 |
| | Donaghadee ... | 30·32 | 60 | N | 3 | bc | 30·26 | −·09 | 61 | 59 | + 4 | W | 4 | bc | 2 | bc | * | 66 | 55 | — |
| | Liverpool (Bidston) | 30·30 | 61 | WNW | 3 | b | 30·26 | −·03 | 59 | 57 | + 2 | W | 4 | r | 3 | b | * | 64 | 55 | — |
| | Holyhead ... | 30·33 | 57 | NW | 2 | bc | 30·28 | −·03 | 60 | 59 | + 2 | W | 4 | of | 2 | bc | * | 60 | 53 | — |
| | Parsonstown ... | 30·35 | 63 | ? W | 1 | 0 | 30·35 | −·05 | 61 | 60 | + 7 | W | 1 | 0 | * | b,0 | 10·7 | 67 | 59 | 0·01 |
| | Valencia ... | 30·41 | 60 | NNW | 3 | bc | 30·45 | +·06 | 61 | 59 | + 3 | 2 | 0 | 0 | 1 | b,bc | 11·2 | 62 | 56 | — |
| | Roche's Point ... | 30·37 | 66 | SSW | 3 | b | 30·43 | +·06 | 64 | 60 | + 7 | NNW | 3 | bc | 3 | b | * | 67 | 55 | — |
| | Pembroke (St. Ann's Hd.) | 30·31 | 59 | NE | 4 | b | 30·34 | + ·07 | 60 | 59 | 0 | NW | 2 | bc | 2 | b | 12·0 | 64 | 53 | — |
| | Scilly ... ... | 30·30 | 61 | N | 5 | c | 30·37 | + ·14 | 61 | 58 | 0 | NW | 2 | bc | 2 | c | 11·5 | 64 | 57 | — |
| | Prawle Point ... | 30·22 | 67 | NNW | 3 | bc | 30·33 | + ·14 | 65 | 60 | + 9 | ENE | 3 | m | 2 | bc | * | 70 | 54 | — |
| | Jersey (St. Aubin's) | 30·18 | 64 | NNE | 4 | c | 30·33 | + ·21 | 66 | 60 | + 6 | NNW | 3 | bw | 3 | p,c | * | 66 | 59 | 0·03 |
| | Hurst Castle ... | 30·17 | 63 | NNE | 2 | c | ? 30·30 | + ·15 | 58 | 55 | − 3 | 2 | 0 | bcm | 0 | eg,c | * | 69 | 53 | 0·04 |
| | Dungeness ... | 30·12 | 66 | NNE | 3 | b | 30·25 | + ·18 | 59 | 57 | − 1 | NNW | 4 | bc | 3 | bc,p,b | * | 68 | 52 | 0·03 |
| | North Foreland | 30·16 | 64 | NNE | 4 | bc | 30·28 | + ·16 | 58 | 56 | − 4 | NW | 3 | c | 2 | bc | * | 66 | 56 | — |
| | London (Brixton) ... | 30·18 | 65 | NNE | 2 | c | 30·29 | + ·14 | 55 | 53 | − 4 | NW | 1 | 0 | * | ptl,0,b | 2·0 | 69 | 51 | 0·07 |
| | Oxford . . ... | 30·26 | 60 | NNE | 2 | b | 30·30 | + ·10 | 57 | 54 | − 1 | W | 2 | bc | * | b | * | 70 | 49 | — |
| | Cambridge ... | 30·23 | 64 | N | 2 | b | 30·27 | + ·09 | 56 | 55 | − 4 | W | 1 | bc | * | b | 6·4 | 69 | 46 | 0·03 |
| | Yarmouth ... | 30·19 | 65 | NE | 3 | bc | 30·23 | + ·08 | 59 | 56 | − 3 | W | 3 | b | 2 | b | * | 67 | 56 | 0·01 |
| Germany & Holland. | Cuxhaven ... | 30·12 | 65 | NNE | 2 | b | 30·13 | −·01 | 61 | 60 | + 2 | NW | 1 | c | * | b | * | 66 | 57 | — |
| | Berlin ... ... | 30·09 | 66 | 2 | 0 | b | 30·11 | −·02 | 60 | 54 | 0 | N | 2 | b | * | b | * | 72 | 55 | — |
| | Wiesbaden ... | * | * | * | * | * | 30·10 | + ·03 | 62 | 58 | + 8 | N | 1 | b | * | * | * | 68 | 54 | — |
| | Munich... .. | 30·07 | 60 | E | 1 | c | 30·07 | − ·04 | 57 | 56 | + 3 | NE | 2 | r | * | c | * | 68 | 54 | 0·04 |
| | The Helder ... | | | | | | | | | | | | | | | | * | | | |
| Belgium. | Brussels ... | * | * | * | * | * | 30·20 | + ·11 | 62 | 57 | + 6 | N | 1 | b | * | b | * | 73 | 52 | — |
| | Cape Gris Nez... | 30·08 | 63 | ENE | 4 | bc | 30·20 | + ·17 | 63 | 60 | + 5 | NE | 3 | c | 3 | bc | * | 66 | 58 | 0·04 |
| | Paris ... ... | 30·07 | 59 | NNE | 2 | r | 30·20 | + ·15 | 59 | 57 | + 4 | NNW | 2 | b | * | r | * | 70 | 55 | 0·04 |
| | Brest ... ... | 30·23 | 63 | N | 2 | bc | 30·33 | + ·18 | 58 | 57 | + 1 | WSW | 2 | bc | 2 | bc | * | 66 | 54 | — |
| | Lorient... ... | 30·17 | 64 | NNE | 6 | c | 30·31 | + ·22 | 59 | 58 | + 5 | N | 4 | b | 2 | c | * | 64 | 54 | — |
| France & | Rochefort ... | 30·10 | 63 | NW | 2 | b | 30·22 | + ·17 | 60 | 59 | + 1 | NNE | 4 | bc | * | bc,b | * | 72 | 57 | 0·04 |
| | Belfort ... ... | 29·97 | 63 | NE | 3 | 0 | 30·04 | + ·02 | 54 | 53 | 0 | 2 | 0 | m | * | 0 | * | 70 | 52 | — |
| | Lyons ... ... | 30·02 | 64 | N | 1 | c | 30·10 | + ·07 | 55 | 54 | − 1 | NNW | 1 | r | * | c | * | 67 | 55 | 0·08 |
| | Nice ... ... | 29·91 | 65 | ENE | 5 | c | 29·91 | −·08 | 64 | 59 | + 2 | 2 | 0 | 0 | 0 | c | * | 75 | 61 | — |
| | Perpignan ... | 30·01 | 65 | SW | 2 | r | 30·12 | + ·12 | 64 | 56 | + 2 | W | 3 | 0 | * | r | * | 72 | 59 | — |
| | Biarritz ... | 30·06 | 68 | NW | 4 | bc | 30·17 | + ·16 | 58 | 56 | − 1 | W | 3 | tlr | 2 | bc | * | 70 | 55 | 0·75 |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30·10 | 67 | N | 6 | b | 30·23 | + ·24 | 70 | 56 | + 5 | NE | 5 | b | * | b | * | 77 | 63 | — |
| | Azores (P. Delgada) | 30·32 | 68 | NE | 3 | b | 30·30 | + ·01 | 70 | 64 | + 1 | E | 4 | c | 4 | b | * | 75 | 64 | 0·04 |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 9·7 hrs; Eastbourne 5·0 hrs. Hastings (St Leonards) 5·2 hrs.*

# WEATHER CHARTS

FOR Tuesday, 11th August, 1896.

## BAROMETER, WIND AND SEA.

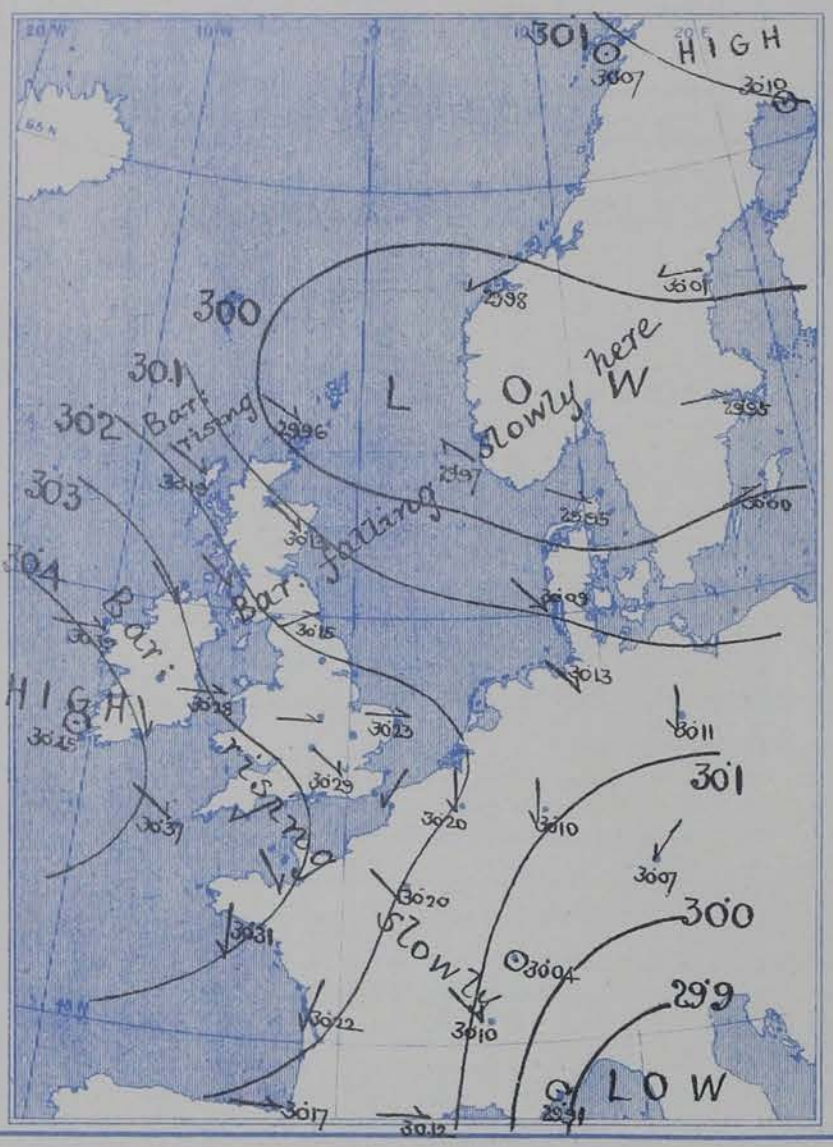
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ; Force 5 to 7 ; Calm ⊙

Force 8 to 10 ; Force 1 to 4 ;

*SEA*—Rough ; High

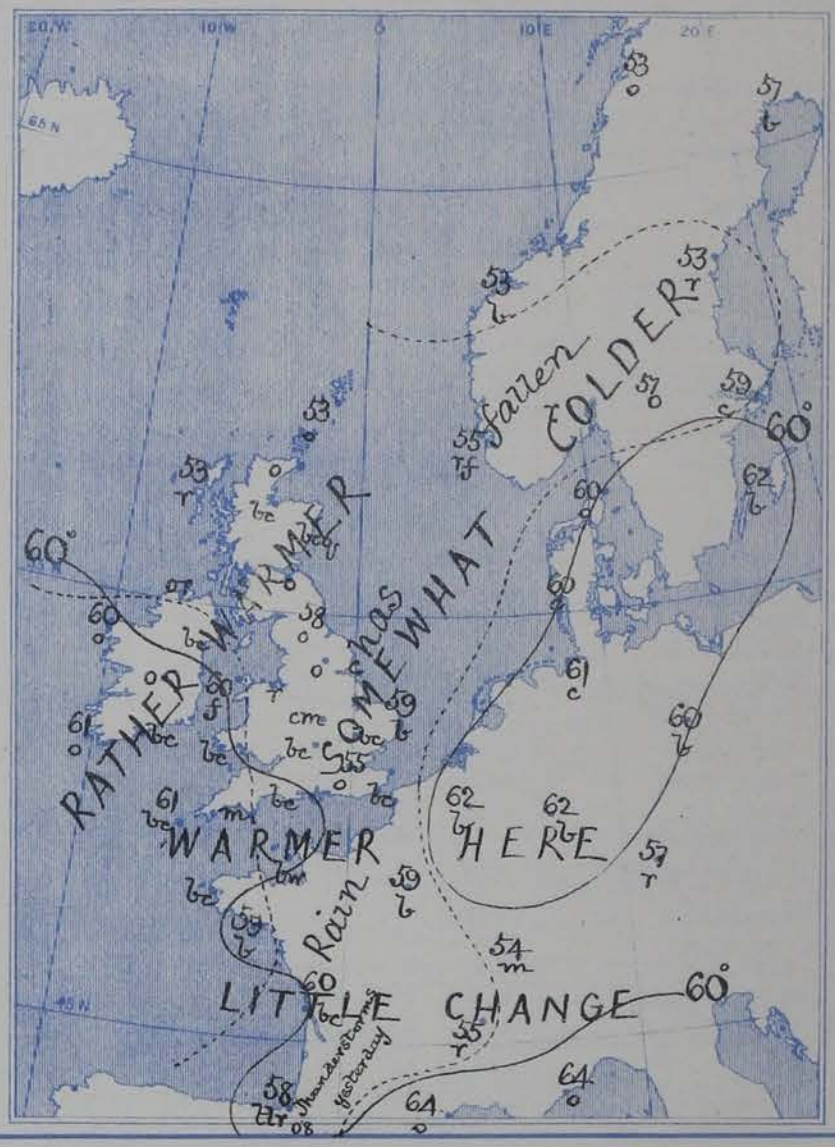



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30·2 ins. to 30·4 ins. and more over England, Ireland, the NW. of France, and the neighbouring parts of the Atlantic.
Lowest Below 30·0 ins. both over the S^n. parts of Scandinavia and also over Riviera & N of Italy.
Gradients slight. Barometer rising in the west and south, falling a little in the northeast

**TEMPERATURE**

Highest 64° in the south of France, 62° to 60° over N. Germany and at Wisley, and above 60° at some of our own stations.
Lowest 53° at Bodo, Spurnhead & Stornoway, 55° in London.
The maximum values recorded during yesterday were 70° at Prawle Pt. and Oxford, 69° to 60° over the Kingdom generally, 70° at Paris, 72° at Berlin, 75° at Nice.

**WIND**

NW^ly to W^ly over nearly the whole of our Islands and blowing somewhat freshly at the most northern stations; calm in Lapland, W^ly over the south of Scandinavia, variable from the N^wd over the English Channel and France.

**WEATHER**

Fine at many of our own stations, dull at others, and rather rainy at our NW^n. stations and at Skudenaas, as well as at Lyons and Biarritz.
Showers have fallen at many of our northern and southeastern stations and over France.
Thunderstorms are reported at Rochefort and Biarritz. Bright Sunshine recorded yesterday was – 11 to 12 hrs. at our W^n. stations, 5 hrs. at Eastbourne and Hastings, 2 hrs. in London, none at Stornoway.

**SEA**

Slight to smooth on all our coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the weather is fine over the greater part of England it does not appear to be settled, and showers are probable in most places shortly.

# FORECASTS

*For the 24 hours ending at NOON on* 12^TH. AUGUST. 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | NW^ly breezes, slight showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | NW^ly and W^ly breezes, fine today, some rain tomorrow. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | Same as Nos. 0 to 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NW^ly breezes, moderate; fine. |
| 9 | IRELAND NORTH | Same as Nos. 6 and 7. |
| 10 | IRELAND SOUTH | NW^ly breezes, light; fair. |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 30·18 | 60 | 53 | NW | 4 | o | 2 | Valencia ... ... | 30·40 | 61 | 56 | WNW | 3 | b | 3 |
| Sumburgh Head | 30·05 | 54 | 54 | W | 3 | r | 3 | Scilly ... ... | 30·27 | 61 | 59 | NNE | 5 | c | 3 |
| Stornoway ... .. | 30·19 | 59 | 59 | W | 3 | o | 3 | Jersey ... .. | 30·15 | 65 | 61 | N | 4 | c | 3 |
| Aberdeen ... | 30·21 | 62 | 56 | SSW | 2 | o | 1 | Hurst Castle ... | 30·15 | 67 | 62 | NE | 3 | cg | 3 |
| Shields ... ... | 30·27 | 59 | 55 | E | 2 | c | 4 | Dungeness ... | 30·10 | 66 | 63 | NNE | 4 | bc | 3 |
| Ardrossan ... ... | 30·25 | 60 | 56 | W | 3 | o | 2 | North Foreland | 30·15 | 65 | 61 | NE | 3 | c | 3 |
| Malin Head ... | 30·32 | 60 | 59 | W | 3 | b | 1 | London (Westminster) | 30·16 | 65 | 60 | NNE | 3 | op | * |
| Belmullet ... ... | 30·38 | 59 | 56 | WSW | 2 | o | * | Yarmouth ... | 30·18 | 66 | 63 | NE | 3 | b | 3 |
| Holyhead ... ... | 30·34 | 59 | 55 | N | 2 | bc | 1 | Rochefort ... | 30·08 | 70 | 64 | NW | 3 | bc | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine and bright over S.W. Europe, and in Austria and the south of Russia; temporarily fine at some of the Scandinavian stations also; very variable over the British Islands, with showers in many places. Some rain falling later except over our W. districts, and thunderstorms occurring in the S.W. of France.

Temperature highest 88° at Brindisi, 84° at Tunis, 80° at Malta, and above 70° over Algeria, 69° at Nicolaieff, and above 60° over central Russia. Lowest 44° at Archangel, 50° at Bodo, 52° at Sumburgh H.d, 55° at Nairn, Malin H.d, York and Paris, 54° at Munich. Rising later to between 60° and 70° over the United Kingdom, 72° at Berlin, and 75° at Nice. Succeeding night rather cold over England.

Wind light to moderate from the N.W. over the greater part of England and Ireland, and from N.E. over the N. of France, the Netherlands and the Baltic; fresh N.E. over Spain, very variable and light elsewhere, but backing towards W. at the Scotch stations. Very little change later.

Barometer highest 30.2 ins. to 30.4 ins. over the N. and W. parts of the United Kingdom, and exceeding 30.2 ins. over the White Sea. Lowest below 29.7 ins. over central Russia, and below 29.9 ins. on the shores of Algeria and Tunis. Falling at the Scotch stations during the day, rising over Ireland, England and France.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on Wednesday, 12th August, 1896.*

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | Weather | Barometer. | | Temperature. | | | Wind. | | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Temp. | | Rainfall. |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | | | | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 30·13 | 49 | SE | 0 | b | 30·11 | + ·01 | 54 | 53 | − 3 | N | 2 | bc | * | b | * | 66 | 48 | — |
| | Hernösand ... | 30·03 | 54 | NW | 2 | o | 30·06 | + ·05 | 54 | 50 | + 1 | N | 4 | b | * | o | * | 57 | 48 | 0·32 |
| | Stockholm ... | 29·93 | 55 | NW | 2 | b | 29·92 | − ·03 | 56 | 53 | − 3 | NNW | 4 | c | * | b | * | 66 | 52 | 0·46 |
| | Wisby ... ... | 29·93 | 59 | W | 4 | o | 29·93 | − ·07 | 58 | 54 | − 4 | N | 4 | bc | * | o | * | 64 | 52 | 0·46 |
| | Karlstad ... | 29·97 | 58 | NE | 2 | b | 30·02 | + ·05 | 53 | 49 | − 4 | N | 4 | o | * | b | * | * | * | — |
| | Bodö ... ... | 30·11 | 55 | SE | 0 | bc | 30·08 | + ·01 | 56 | 52 | + 3 | N | 1 | bc | 1 | bc | * | 57 | 48 | — |
| | Christiansund ... | 30·01 | 55 | NE | 4 | b | 30·02 | + ·04 | 53 | 50 | 0 | ENE | 1 | b | 1 | b | * | 59 | 48 | — |
| | Skudesnaes ... | 29·97 | 59 | NW | 2 | o | 30·02 | + ·05 | 58 | 51 | + 3 | NW | 2 | r | 1 | o | * | 61 | 54 | * |
| | Færder (Christiania Fjord) | 29·97 | 63 | W | 1 | c | 30·06 | + ·09 | 57 | 54 | 0 | NE | 2 | b | 2 | c | * | 64 | 53 | 0·08 |
| | Skagen (The Scaw) | 29·96 | 60 | ENE | 1 | o | 30·02 | + ·07 | 63 | 58 | + 3 | NE | 1 | bc | 0 | o | * | 66 | 59 | 0·04 |
| | Fanö ... ... | 30·00 | 59 | WNW | 5 | c | 29·99 | − ·10 | 60 | 58 | 0 | WNW | 4 | c | * | c | * | 63 | 55 | 0·24 |
| British Islands | Sumburgh Head | 30·01 | 53 | NW | 3 | o | 30·04 | + ·08 | 53 | 53 | 0 | NW | 1 | o | 3 | o | * | 56 | 51 | 0·02 |
| | Stornoway ... | 30·22 | 55 | NW | 3 | o | 30·04 | − ·15 | 54 | 54 | + 1 | SSW | 4 | r | 4 | o | 0·0 | 56 | 51 | 0·11 |
| | Wick ... ... | 30·20 | 55 | NW | 5 | o | 30·07 | − ·03 | 56 | 54 | + 1 | NW | 1 | o | 1 | o | * | 58 | 50 | 0·02 |
| | Nairn ... ... | 30·19 | 60 | W | 2 | c | 30·10 | − ·03 | 57 | 55 | − 1 | W | 2 | o | 1 | c | * | 67 | 49 | — |
| | Aberdeen ... | 30·17 | 61 | NW | 3 | bc | 30·14 | + ·01 | 59 | 54 | 0 | W | 1 | c | 1 | bq, bc | 10·5 | 68 | 52 | — |
| | Leith ... ... | 30·15 | 69 | W | 3 | b | 30·17 | + ·04 | 57 | 54 | − 4 | WSW | 2 | o | * | b | * | 71 | 53 | — |
| | Shields ... ... | 30·17 | 59 | SW | 1 | c | 30·18 | + ·03 | 60 | 55 | + 2 | W | 2 | bc | 2 | b, c | * | 68 | 55 | — |
| | Spurn Head ... | 30·16 | 62 | NNW | 1 | o | 30·21 | + ·02 | 58 | 57 | − 2 | WSW | 3 | o | 2 | op | * | 64 | 56 | 0·03 |
| | York ... ... | 30·17 | 71 | W | 3 | b | 30·21 | ·00 | 61 | 57 | + 1 | WNW | 1 | c | * | b | 3·5 | 72 | 53 | 0·02 |
| | Loughborough ... | 30·23 | 64 | WNW | 3 | bc | 30·25 | − ·02 | 59 | 56 | + 1 | WNW | 3 | o | * | o, c, bc, c | * | 68 | 55 | — |
| | Ardrossan ... | 30·22 | 58 | NW | 4 | bc | 30·18 | ·00 | 56 | 56 | − 3 | S | 2 | rm | 2 | bc | * | 64 | 53 | 0·05 |
| | Malin Head ... | 30·29 | 57 | N | 2 | o | 30·18 | − ·09 | 58 | 58 | + 2 | WSW | 5 | orm | 4 | o | * | 59 | 56 | 0·09 |
| | Belmullet ... | 30·36 | 59 | WNW | 2 | o | 30·31 | − ·08 | 60 | 60 | 0 | W | 4 | o | * | o | * | 62 | 59 | 0·05 |
| | Donaghadee ... | 30·28 | 60 | N | 4 | b | 30·24 | − ·02 | 61 | 60 | 0 | WNW | 3 | o | 1 | b | * | 66 | 56 | 0·05 |
| | Liverpool (Bidston) | 30·24 | 62 | WNW | 3 | b | 30·27 | + ·01 | 60 | 57 | + 1 | WNW | 3 | o | 3 | p, b | * | 64 | 57 | 0·01 |
| | Holyhead ... | 30·28 | 61 | W | 3 | mpd | 30·30 | + ·02 | 59 | 59 | − 1 | W | 3 | om | 2 | o, mpd | * | 67 | 57 | 0·01 |
| | Parsonstown ... | 30·34 | 65 | W | 1 | o | 30·35 | ·00 | 61 | 59 | 0 | SW | 1 | o | * | o | 0·2 | 67 | 59 | — |
| | Valencia ... | 30·45 | 61 | W | 2 | om | 30·48 | − ·02 | 61 | 60 | 0 | W | 2 | cm | 2 | om | 1·8 | 65 | 58 | 0·01 |
| | Roche's Point .. | 30·39 | 63 | NW | 4 | c | 30·43 | ·00 | 63 | 60 | − 1 | NW | 4 | bc | 3 | c | * | 71 | 60 | — |
| | Pembroke (St. Ann's Hd.) | 30·33 | 62 | WNW | 3 | o | 30·34 | ·00 | 60 | 59 | 0 | NW | 3 | og | 2 | o | 2·0 | 63 | 59 | 0·05 |
| | Scilly ... ... | 30·41 | 64 | WNW | 4 | c | 30·39 | + ·02 | 61 | 60 | 0 | NW | 4 | ep | 3 | o, c | 9·2 | 66 | 58 | ? |
| | Prawle Point ... | 30·32 | 66 | WNW | 4 | c | 30·32 | − ·01 | 65 | 62 | 0 | WNW | 3 | c | 2 | c | * | 76 | 61 | — |
| | Jersey (St. Aubin's) | 30·33 | 65 | WNW | 3 | b | 30·32 | − ·01 | 65 | 63 | − 1 | NW | 3 | om | 3 | b | * | 70 | 61 | — |
| | Hurst Castle ... | 30·26 | 71 | NW | 4 | cm | 30·27 | − ·03 | 66 | 63 | + 8 | WSW | 1 | om | 1 | bc, cm | * | 78 | 58 | — |
| | Dungeness ... | 30·20 | 70 | NNW | 3 | c | 30·22 | − ·03 | 59 | 58 | 0 | NNW | 3 | m | 2 | bc, c | * | 71 | 55 | — |
| | North Foreland | 30·21 | 67 | NW | 2 | o | 30·23 | − ·05 | 63 | 60 | + 5 | NW | 2 | bc | 2 | c, o | * | 71 | 57 | — |
| | London (Brixton) ... | 30·21 | 69 | NW | 2 | c | 30·25 | − ·04 | 61 | 57 | + 6 | NW | 1 | o | * | bc, b | 5·0 | 74 | 54 | — |
| | Oxford ... ... | 30·24 | 65 | N | 2 | o | 30·27 | − ·03 | 62 | 58 | + 5 | NW | 3 | o | * | o | * | 72 | 56 | — |
| | Cambridge ... | 30·21 | 67 | WNW | 3 | o | 30·24 | − ·03 | 60 | 57 | + 4 | NW | 1 | c | * | c, o | 4·8 | 72 | 53 | 0·01 |
| | Yarmouth ... | 30·16 | 65 | SE | 0 | o | 30·20 | − ·03 | 59 | 57 | 0 | SE | 0 | bc | 2 | bc, o | * | 66 | 54 | 0·07 |
| Germany & Holland | Cuxhaven ... | 30·06 | 63 | WSW | 3 | o | 30·00 | − ·13 | 59 | 59 | − 2 | NNW | 1 | o | * | o, r | * | 66 | 59 | 0·08 |
| | Berlin ... ... | 30·05 | 66 | SE | 0 | bc | 30·03 | − ·08 | 60 | 55 | 0 | W | 4 | o | * | bc | * | 72 | 59 | — |
| | Wiesbaden ... | * | * | * | * | * | 30·15 | + ·05 | 61 | 58 | − 1 | NW | 1 | o | * | * | * | 73 | 57 | — |
| | Munich... .. | 30·07 | 59 | SE | 0 | r | 30·14 | + ·07 | 57 | 54 | 0 | NW | 4 | bc | * | r | * | 63 | 54 | 0·08 |
| | The Helder ... | | | | | | | | | | | | | | | | * | | | |
| Belgium. | Brussels ... | * | * | * | * | * | 30·19 | − ·01 | 61 | 56 | − 1 | NW | 2 | o | * | o | * | 71 | 58 | — |
| | Cape Gris Nez... | 30·16 | 67 | W | 3 | o | 30·18 | − ·02 | 60 | 59 | − 3 | NNE | 2 | m | 2 | o | * | 68 | 57 | — |
| | Paris ... ... | 30·21 | 69 | WSW | 2 | b | 30·24 | + ·04 | 63 | 60 | + 4 | NW | 2 | b | * | b | * | 75 | 59 | — |
| | Brest ... ... | 30·39 | 63 | N | 2 | b | 30·40 | + ·07 | 59 | 55 | + 1 | NNW | 2 | m | 2 | b | * | 66 | 55 | — |
| | Lorient... ... | 30·34 | 69 | SW | 5 | bc | 30·32 | + ·01 | 61 | 54 | + 2 | NW | 4 | o | 2 | bc | * | 75 | 52 | — |
| France & | Rochefort ... | 30·27 | 68 | NW | 5 | c | 30·36 | + ·14 | 63 | 61 | + 3 | NW | 5 | o | * | c | * | 75 | 59 | — |
| | Belfort ... ... | 30·06 | 59 | SE | 0 | o | 30·21 | + ·17 | 52 | 52 | − 2 | SW | 2 | f | * | o | * | 67 | 50 | 0·43 |
| | Lyons ... | 30·11 | 62 | NNW | 1 | c | 30·22 | + ·12 | 60 | 55 | + 5 | N | 1 | c | * | c | * | 67 | 57 | 0·20 |
| | Nice ... ... | 29·91 | 65 | SE | 0 | c | 29·88 | − ·03 | 67 | 59 | + 3 | ENE | 1 | bc | 1 | c | * | 75 | 57 | — |
| | Perpignan ... | 30·20 | 67 | SSW | 4 | bc | 30·20 | + ·08 | 69 | 59 | + 5 | NW | 4 | b | * | bc | * | 76 | 64 | — |
| | Biarritz ... | 30·30 | 69 | NW | 4 | b | 30·29 | + ·22 | 67 | 64 | + 9 | NW | 4 | o | 3 | b, tr | * | 70 | 58 | 0·24 |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | | | | | | | | | | | | | | * | | * | | | |
| | Azores (P. Delgada) | 30·33 | 69 | ENE | 3 | bc | 30·31 | + ·01 | 68 | 61 | − 2 | E | 2 | bc | 3 | bc | * | 75 | 64 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 2·6 hrs; Eastbourne 9·3 hrs. Hastings (St Leonards) 8·3 hrs.*

# WEATHER CHARTS

FOR Wednesday, 12TH August 1896.

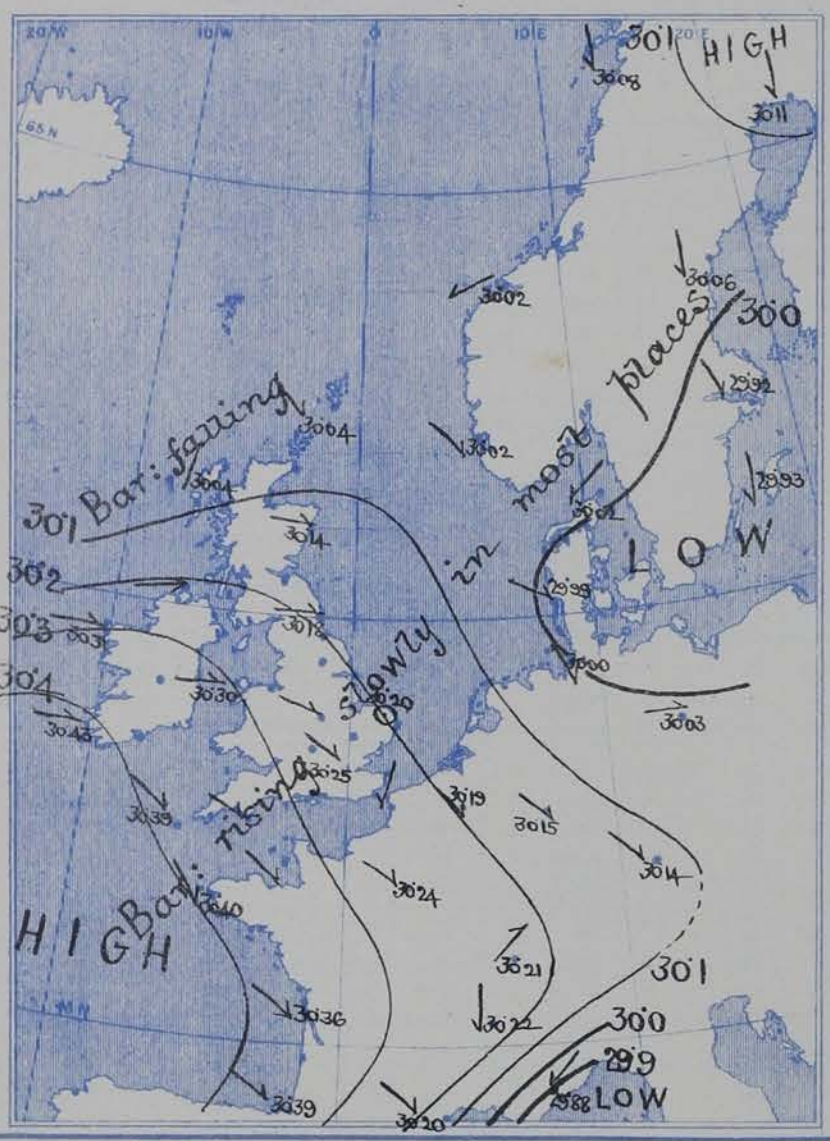
## BAROMETER, WIND AND SEA.

*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙
Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ; High




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
### *IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 · 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 · 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 · 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 · 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 · 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE** — Highest 30.4 ins. and more over our extreme SW^n. coasts, and the adjacent parts of the Atlantic, and exceeding 30.2 ins. over the whole of Ireland, England and France.
Lowest (1) Below 30.0 ins. over Denmark and the Baltic, and below 30.1 ins. over the N. of Scotland.
(2) Below 29.9 ins. over the Gulf of Genoa.
Gradients slight. Barometer had begun to fall decidedly in the extreme northwest.

**TEMPERATURE** — Highest 69° to 67° in the S. and SW. of France, 63° at Paris; 66° at Hurst Castle, 61° at Scilly & Valencia.
Lowest 53° at Christiansund and Sumburgh H^d., 54° at Stornoway.
The maxima recorded over our Islands yesterday exceeded 70° in many places, and touched 76° at Prawle Pt., 74° in London; at many of the French stations the maximum was 75°.

**WIND** — Light to moderate in force generally – W. by S. to SW. by S. in Scotland, W. by S. to NW. by S. over Ireland, England and France; very variable over the countries lying to the eastward of the North Sea.
It appeared to be "backing" at our northern stations generally.

**WEATHER** — Fine over France, the Baltic and the greater part of Scandinavia; cloudy and close in our Islands, rainy in the extreme west and northwest of Scotland.
Showers fell yesterday except over the SW^n. and S^n. parts of England. Bright Sunshine recorded yesterday was greatest (10.5 hrs) at Aberdeen, but was considerable (8 to 9 hrs) along our SW^n. and S^n. coasts; in London it was 5 hrs.

**SEA** — Moderate at our extreme NW^n. stations, slight to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new disturbance advancing towards our extreme NW. coasts seems likely to cause rain over the northern parts of the Kingdom today, and probably over the SW^n. and S^n. counties tomorrow.

# FORECASTS

*For the 24 hours ending at NOON on* 13TH AUGUST, 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | SW. by S. and W. by S. winds, freshening, squally, showery. |
| 1 | SCOTLAND EAST | NW. by S. to SW. by S. winds, some showers. |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | NW. by S. and W. by S. winds, moderate, fair today, probably showery tomorrow. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | W. by S. winds, showery, unsettled. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NW. by S. winds, fair as a whole. |
| 9 | IRELAND NORTH | Same as Nos. 6 and 7. |
| 10 | IRELAND SOUTH | Same as No. 8. |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29·97 | 60 | 58 | NW | 2 | o | 2 | Valencia ... ... | 30·46 | 61 | 60 | S | o | cm | 1 |
| Sumburgh Head | 30·00 | 55 | 55 | NW | 3 | o | 3 | Scilly ... ... | 30·39 | 65 | 63 | NW | 4 | o | 2 |
| Stornoway ... ... | 30·21 | 56 | 53 | NNW | 3 | o | 3 | Jersey ... ... | 30·34 | 69 | 68 | WNW | 4 | b | 3 |
| Aberdeen ... ... | 30·14 | 66 | 56 | NW | 4 | bq | 2 | Hurst Castle ... | 30·26 | 71 | 65 | WSW | 3 | bc | 2 |
| Shields ... ... | 30·14 | 68 | 63 | SW | 3 | b | 2 | Dungeness ... | 30·22 | 68 | 62 | SW | 3 | bc | 2 |
| Ardrossan ... ... | 30·22 | 64 | 64 | NW | 4 | b | 3 | North Foreland | 30·22 | 70 | 60 | WNW | 3 | c | 2 |
| Malin Head ... | 30·29 | 57 | 56 | WNW | 3 | o | 1 | London (Westminster) | 30·23 | 71 | 60 | W | 2 | c | * |
| Belmullet ... .. | 30·36 | 61 | 61 | W | 2 | o | * | Yarmouth ... | 30·19 | 66 | 60 | WNW | 2 | bc | 2 |
| Holyhead ... ... | 30·30 | 67 | 64 | WNW | 4 | o | 3 | Rochefort ... | 30·27 | 73 | 69 | NW | 4 | c | # |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning varying greatly in different localities; fine over Greece, Turkey and S. of Russia, also over N. Germany, France and some of our own stations. Cloudy or overcast and unsettled elsewhere, with rain at our NW. stations and in many parts of Austria. Rain falling later except in the S. and SW. of England and the N. of France; but amounts small in most places.

Temperature changing somewhat jerkily. Morning readings highest 87° at Patras, 84° at Palermo, and exceeding 80° over SE. Europe generally, 69° at Florence and Trieste, 66° at Odessa, 64° at Lemberg, and also at Rochés Pt., 61° at Leith 60° at Riga. Lowest 45° at Archangel, 53° at Bodö, Christiansund, Stornoway, and at Moscow, 54° at Belfort. Rising to between 70° and 76° in many parts of the British Islands later, to 72° at Berlin, and to 75° and 76° at many of the French stations.

Wind moderate to fresh from between NW. and W. over the N. and E. parts of the British Islands and the North Sea, N. over the Bay of Biscay, NE. at Lisbon. Light and extremely variable over N., central and S. Europe. Not much change later.

Barometer highest (1) 30.2 ins. to 30.4 ins. and more over Ireland, England and the adjacent parts of the Atlantic; (2) 30.1 ins. and more over Lapland; (3) 30.0 ins. and more over the Black Sea and SE. Europe. Lowest about (1) 29.7 ins. over central Russia, (2) below 29.9 ins. over Sardinia, Corsica and the NW. of Italy; (3) below 30.0 ins. over the S. half of Scandinavia. Rising slightly over the N. parts of our Islands later; falling over the SE. of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

# DAILY WEATHER REPORT

*for 8 a.m. on* Thursday 13th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins | ° | ° | | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 30·07 | 55 | L | 0 | 0 | 30·01 | — ·10 | 57 | 55 | + 3 | L | 0 | 0 | * | 0 | * | 66 | 37 | 0·12 |
| | Hernösand ... | 30·06 | 51 | L | 0 | b | 30·04 | — ·02 | 53 | 51 | — 1 | L | 0 | b | * | b | * | 66 | 48 | — |
| | Stockholm ... | 29·98 | 55 | N | 4 | b | 29·97 | + ·05 | 56 | 51 | 0 | N | 3 | bc | * | b | * | 63 | 48 | — |
| | Wisby ... ... | 29·97 | 58 | NE | 4 | b | 29·92 | — ·01 | 58 | 53 | 0 | N | 6 | c | * | b | * | 61 | 52 | — |
| | Karlstad ... | 30·01 | 60 | NNE | 2 | b | 30·05 | + ·03 | 56 | 51 | + 3 | E | 2 | b | * | b | * | * | * | 0·39 |
| | Bodö ... ... | 29·95 | 57 | L | 0 | b | 29·93 | — ·15 | 60 | 54 | + 4 | E | 4 | b | 2 | b | * | 61 | 50 | — |
| | Christiansund ... | 29·97 | 55 | NE | 1 | b | 29·90 | — ·12 | 55 | 53 | + 2 | L | 0 | c | 0 | b | * | 59 | 52 | 0·08 |
| | Skudesnaes ... | 30·01 | 59 | L | 0 | rf | 29·93 | — ·09 | 57 | 56 | — 1 | L | 0 | r | 1 | rf | * | 61 | 55 | * |
| | Færder (Christiania Fjord) | 30·01 | 66 | SW | 1 | b | 29·99 | — ·07 | 64 | 59 | + 7 | SE | 1 | c | 1 | b | * | 66 | 63 | — |
| | Skagen (The Scaw) | 30·05 | 66 | N | 1 | bc | 29·98 | — ·04 | 63 | 59 | 0 | SE | 1 | bc | 0 | bc | * | 68 | 57 | — |
| | Fano ... ... | 30·01 | 59 | NW | 4 | r | 29·95 | — ·04 | 60 | 57 | 0 | NW | 2 | c | * | r | * | 68 | 57 | 0·08 |
| British Islands | Sumburgh Head | 29·95 | 53 | L | 0 | r | 29·93 | — ·31 | 53 | 53 | 0 | W | 3 | r | 3 | o.r | * | 54 | 51 | 0·20 |
| | Stornoway ... | 29·95 | 57 | WNW | 4 | r | 29·87 | — ·17 | 54 | 54 | 0 | W | 3 | o | 3 | r,o | 0·4 | 59 | 51 | 0·17 |
| | Wick ... ... | 29·95 | 56 | SW | 4 | r | 29·85 | — ·22 | 55 | 54 | — 1 | NW | 4 | o | 2 | d | * | 56 | 50 | 0·25 |
| | Nairn ... ... | 29·95 | 61 | NW | 2 | c | 29·86 | — ·24 | 59 | 57 | + 2 | W | 1 | o | 1 | c | * | 66 | 50 | 0·20 |
| | Aberdeen ... | 29·94 | 64 | SW | 2 | bc | 29·87 | — ·27 | 58 | 55 | — 1 | ESE | 1 | c | 1 | org, bc | 1·7 | 65 | 50 | 0·06 |
| | Leith ... ... | 30·02 | 63 | W | 3 | bc | 29·87 | — ·30 | 60 | 59 | + 3 | W | 2 | r | * | bc | * | 64 | 56 | 0·18 |
| | Shields ... ... | 30·10 | 65 | WSW | 3 | or | 29·94 | — ·24 | 61 | 60 | + 1 | WSW | 3 | r | 2 | op | * | 66 | 58 | 0·04 |
| | Spurn Head ... | 30·14 | 65 | W | 3 | c | 29·99 | — ·22 | 64 | 62 | + 6 | WSW | 5 | c | 3 | c | * | 65 | 57 | — |
| | York ... ... | 30·16 | 66 | W | 2 | c | 30·01 | — ·20 | 64 | 61 | + 3 | WSW | 2 | o | * | c | 3·2 | 70 | 59 | — |
| | Loughborough ... | 30·22 | 65 | W | 3 | b | 30·11 | — ·14 | 64 | 59 | + 5 | WSW | 3 | cw | * | o,c,bc,c | * | 71 | 57 | — |
| | Ardrossan ... | 30·09 | 61 | W | 4 | ompd | 29·89 | — ·29 | 59 | 59 | + 3 | WSW | 3 | ompd | 3 | o,mpd | * | 61 | 55 | 0·40 |
| | Malin Head ... | 30·13 | 59 | WSW | 5 | orm | 29·92 | — ·26 | 58 | 58 | 0 | WNW | 5 | orm | 3 | o,orm | * | 59 | 58 | 0·64 |
| | Belmullet ... | 30·25 | 61 | W | 4 | om | 30·07 | — ·24 | 59 | 58 | — 1 | NW | 3 | om | * | o,om | * | 63 | 59 | 0·14 |
| | Donaghadee ... | 30·18 | 65 | W | 3 | o | 29·98 | — ·26 | 62 | 61 | + 1 | WSW | 5 | r | 3 | o | * | 73 | 60 | 0·05 |
| | Liverpool (Bidston) | 30·21 | 65 | W | 4 | bc | 30·06 | — ·21 | 63 | 59 | + 3 | WSW | 5 | o | 5 | p,bc | * | 67 | 59 | 0·01 |
| | Holyhead ... | 30·25 | 63 | SW | 2 | c | 30·10 | — ·20 | 61 | 59 | + 2 | SW | 4 | cg | 3 | m,bc,c | * | 69 | 58 | — |
| | Parsonstown ... | 30·30 | 64 | W | 2 | o | 30·14 | — ·21 | 62 | 60 | + 1 | SW | 2 | od | * | c,od | 4·8 | 69 | 60 | 0·02 |
| | Valencia ... | 30·39 | 63 | WSW | 2 | c | 30·24 | — ·19 | 62 | 61 | + 1 | WNW | 5 | ow | 5 | c | 6·5 | 65 | 58 | — |
| | Roche's Point .. | 30·35 | 67 | NW | 4 | bc | 30·25 | — ·18 | 64 | 60 | + 1 | WNW | 4 | bc | 3 | bc | * | 71 | 56 | — |
| | Pembroke (St. Ann's Hd.) | 30·30 | 62 | W | 3 | c | 30·22 | — ·12 | 60 | 59 | 0 | WNW | 4 | bc | 4 | c | 3·6 | 65 | 59 | — |
| | Scilly .. ... | 30·39 | 63 | NW | 4 | bc | 30·29 | — ·10 | 61 | 57 | 0 | WNW | 4 | c | 3 | c,bc | 4·2 | 66 | 57 | — |
| | Prawle Point .. | 30·31 | 65 | WNW | 4 | bc | 30·25 | — ·07 | 64 | 60 | — 1 | WNW | 4 | bc | 3 | bc | * | 76 | 55 | — |
| | Jersey (St. Aubin's) | 30·32 | 67 | NW | 3 | bc | 30·28 | — ·04 | 64 | 61 | — 1 | WNW | 4 | cw | 3 | bc | * | 71 | 59 | — |
| | Hurst Castle ... | 30·24 | 73 | NW | 3 | b | 30·20 | — ·07 | 64 | 61 | — 2 | WSW | 2 | cm | 1 | cm,b | * | 76 | 58 | — |
| | Dungeness ... | 30·19 | 71 | NW | 3 | m | 30·14 | — ·08 | 66 | 63 | + 7 | WNW | 2 | bc | 1 | o.m | * | 71 | 57 | — |
| | North Foreland | 30·19 | 69 | NW | 2 | c | 30·14 | — ·09 | 65 | 61 | + 2 | WNW | 2 | c | 2 | bc,c | * | 71 | 60 | — |
| | London (Brixton) ... | 30·22 | 72 | NW | 1 | c | 30·16 | — ·09 | 63 | 59 | + 2 | WNW | 3 | bc | * | c,bw | 0·7 | 74 | 54 | — |
| | Oxford ... ... | 30·23 | 66 | W | 3 | b | 30·15 | — ·12 | 64 | 59 | + 2 | WSW | 4 | c | * | b | * | 75 | 56 | — |
| | Cambridge ... | 30·19 | 70 | NW | 1 | c | 30·12 | — ·12 | 63 | 59 | + 3 | WSW | 4 | c | * | c | 4·2 | 74 | 56 | — |
| | Yarmouth ... | 30·18 | 62 | SE | 2 | bc | 30·06 | — ·14 | 63 | 60 | + 4 | WNW | 3 | bc | 2 | ev,bc | * | 63 | 58 | — |
| Germany & Holland | Cuxhaven ... | 30·07 | 65 | NW | 4 | bc | 29·97 | — ·03 | 58 | 58 | — 1 | SSW | 3 | o | * | bc,r | * | 66 | 57 | 0·04 |
| | Berlin ... ... | 29·98 | 62 | W | 1 | b | 30·02 | — ·01 | 60 | 58 | 0 | W | 4 | r | * | b | * | 68 | 57 | — |
| | Wiesbaden ... | * | * | * | * | * | 30·17 | + ·02 | 58 | 56 | — 3 | NW | 1 | o | * | * | * | 66 | 54 | — |
| | Munich... .. | 30·21 | 54 | W | 6 | o | 30·25 | + ·11 | 57 | 54 | 0 | W | 5 | o | * | o | * | 64 | 52 | 0·16 |
| | The Helder ... | 30·15 | 61 | NW | 2 | o | 30·02 | | 63 | 61 | | WNW | 4 | o | 2 | o | * | 63 | 59 | 0·04 |
| Belgium, France & Spain | Brussels ... | * | * | * | * | * | 30·14 | — ·05 | 63 | 61 | + 2 | WSW | 1 | o | * | o | * | 70 | 57 | — |
| | Cape Gris Nez... | 30·17 | 64 | NW | 1 | m | 30·11 | — ·07 | 63 | 62 | + 3 | WNW | 2 | m | 1 | m | * | 68 | 61 | — |
| | Paris ... ... | 30·24 | 70 | NNW | 3 | c | 30·24 | ·00 | 60 | 59 | — 3 | WSW | 2 | o | * | c | * | 73 | 55 | — |
| | Brest ... ... | 30·39 | 61 | NNW | 2 | bc | 30·32 | — ·08 | 59 | 57 | 0 | NW | 1 | c | 2 | bc | * | 63 | 54 | — |
| | Lorient... ... | 30·36 | 68 | NNW | 4 | c | 30·33 | + ·01 | 60 | 58 | — 1 | NW | 3 | c | 2 | c | * | 79 | 52 | — |
| | Rochefort ... | 30·31 | 68 | NW | 4 | bc | 30·32 | — ·04 | 64 | 63 | + 1 | N | 3 | o | * | bc | * | 72 | 61 | — |
| | Belfort ... ... | 30·24 | 55 | WSW | 3 | m | 30·27 | + ·06 | 52 | 52 | 0 | L | 0 | f | * | m | * | 60 | 49 | 0·04 |
| | Lyons ... ... | 30·25 | 60 | N | 1 | r | 30·26 | + ·03 | 60 | 58 | 0 | ENE | 1 | f | * | r | * | 67 | 56 | 0·08 |
| | Nice ... ... | 29·98 | 69 | SW | 1 | bc | 30·05 | + ·17 | 71 | 58 | + 4 | ENE | 1 | b | 1 | bc | * | 81 | 63 | 0·12 |
| | Perpignan ... | 30·23 | 68 | NW | 5 | bc | 30·21 | + ·01 | 70 | 61 | + 1 | NW | 3 | b | * | bc | * | 81 | 64 | — |
| | Biarritz ... | 30·38 | 67 | WNW | 4 | o | 30·28 | — ·11 | 65 | 63 | — 2 | NNW | 2 | o | 2 | o | * | 70 | 63 | — |
| Peninsula | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30·15 | 75 | N | 4 | b | 30·08 | — ·16 | 73 | 59 | + 2 | NE | 5 | b | * | b | * | 86 | 72 | — |
| | Azores (P. Delgada) | 30·31 | 68 | NNE | 3 | b | 30·27 | — ·04 | 69 | 65 | — 1 | N | 2 | b | 2 | b | * | 77 | 63 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 1·8 hrs; Eastbourne 3·2 hrs; Hastings (St Leonards) 3·3 hrs.*

# WEATHER CHARTS

FOR Thursday, 13th August, 1896.

## BAROMETER, WIND AND SEA.

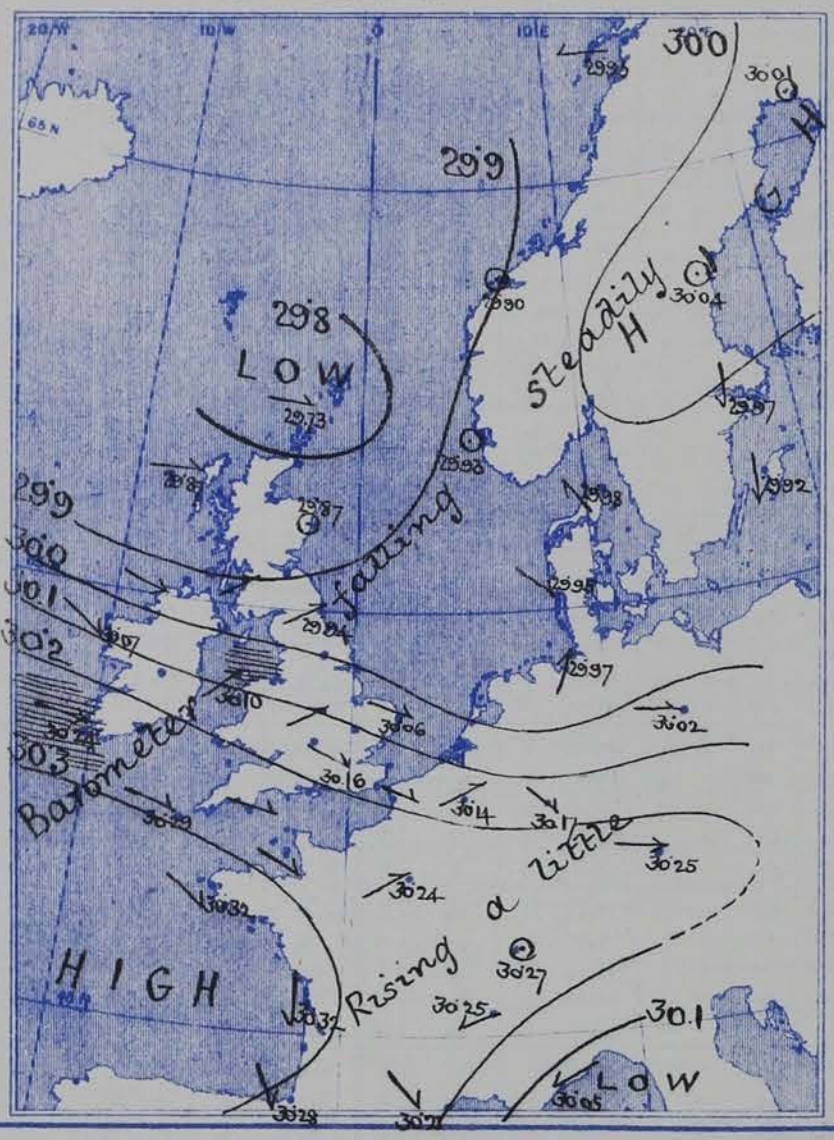
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ▤ ; High ▩

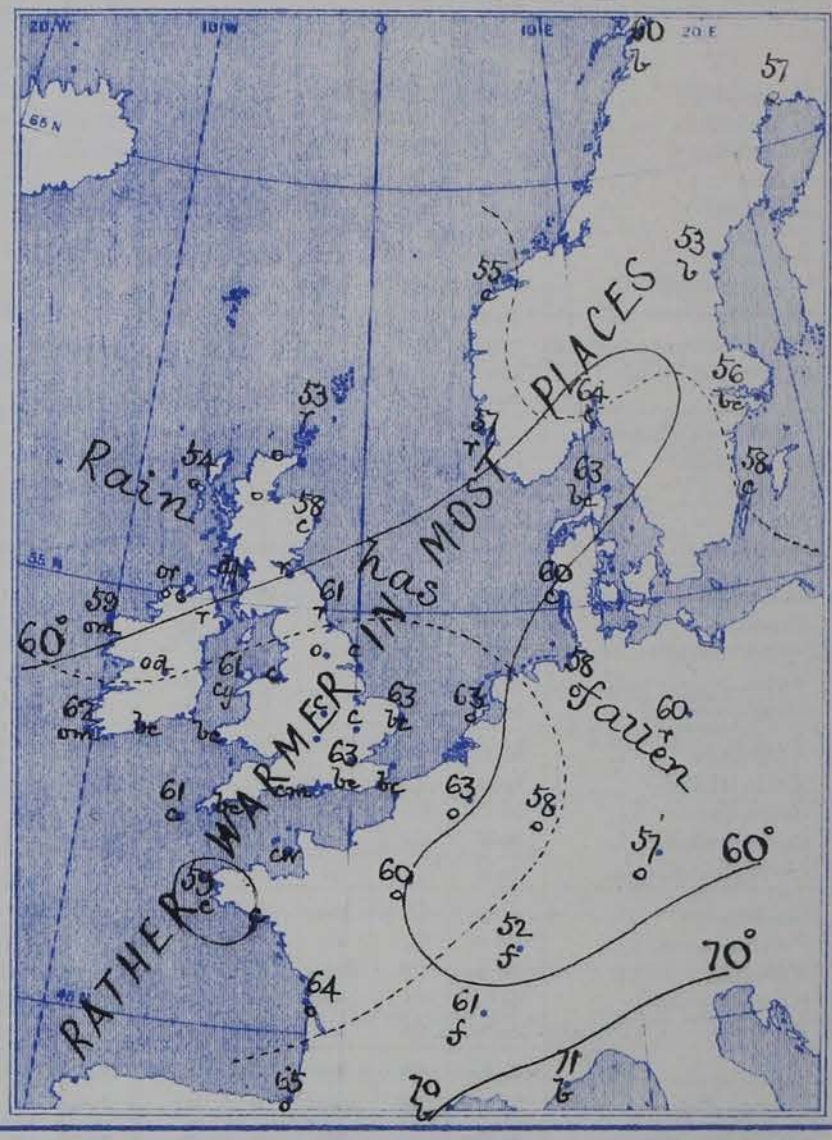



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m. | Means of Wet Bulb 8 a.m. | Means of Daily Maximum. | Means of Daily Minimum. | Absolute Extremes. Maximum. | Years. | Minimum. | Years. | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. Hours. | Per cent. of possible. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.3 ins. and more to 30.1 ins. in an anticyclone covering the Bay of Biscay, France, and southern parts of our Islands.
Lowest (1) below 29.8 ins. and the Shetlands, and below 29.9 ins. all over Scotland and the extreme west of Norway; (2) Below 30.1 ins. over the Riviera.
Gradients increasing for W^ly winds over Islands; Barometer falling decidedly on our NW. coasts and slowly elsewhere.

**TEMPERATURE**

Highest 73° at Lisbon, 71° to 70° in the S. of France, 64° at Oxford, Loughborough and York, 60° at Bodø.
Lowest 53° at Sumburgh Hd., 54° at Stornoway, 53° at Christiansund.
It had risen in all parts of Gt. Britain, where the maxima recorded during the past day ranged from 70° to 76°.

**WIND**

Mainly W^ly or NW^ly over the British Islands and France, N^ly over the southern parts of the Bay of Biscay; but SE^ly in the Skagen Rack, E^ly at Bodø.

**WEATHER**

Fine over the southern and eastern parts of England, and in Sweden, cloudy or overcast elsewhere, with rain at some of our N^rn and NW^rn stations, and a rather unsettled appearance generally. Some rain had fallen in the north and northwest, and local showers at some of the Continental stations. Bright Sunshine recorded yesterday was 6.5 hrs. at Valencia, 4.2 hrs. at Scilly and Cambridge, about 3.3 hrs. at Hastings and Eastbourne, and 0.7 hrs. in London.

**SEA**

Rather rough at some western stations, with a tendency to increase.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Less settled weather seems to be spreading over our Islands from the W^rds, and rain is probable in all districts.

# FORECASTS

*For the 24 hours ending at NOON on* 14TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | Varying W^ly winds; showery, gusty. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | Varying W^ly winds; fine at first, showery later. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | Same as Nos. 0 to 2. |
| 7 | ENGLAND N.W. | W^ly breezes; fine to showery. |
| 8 | ENGLAND S.W. | Same as Nos. 0 to 2. |
| 9 | IRELAND NORTH | Same as No. 8. |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, **at first** from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, **at first from** the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29·99 | 60 | 59 | S | 2 | r | 2 |
| Sumburgh Head | 29·99 | 53 | 52 | WNW | 1 | o | 2 |
| Stornoway ... ... | 29·94 | 58 | 58 | WNW | 4 | r | 4 |
| Aberdeen ... ... | 30·02 | 60 | 58 | S | 2 | drg | 1 |
| Shields ... ... | 30·14 | 63 | 60 | WSW | 2 | op | 2 |
| Ardrossan ... ... | 30·10 | 61 | 59 | WSW | 4 | o | 3 |
| Malin Head ... | 30·15 | 59 | 59 | WSW | 5 | o | 4 |
| Belmullet ... ... | 30·29 | 63 | 60 | W | 4 | o | * |
| Holyhead ... ... | 30·27 | 69 | 65 | W | 3 | bc | 2 |
| Valencia ... ... | 30·41 | 64 | 62 | WSW | 3 | c | 4 |
| Scilly ... ... | 30·38 | 66 | 62 | NW | 4 | c | 3 |
| Jersey ... ... | 30·32 | 71 | 65 | WNW | 4 | bc | 3 |
| Hurst Castle ... | 30·22 | 75 | 67 | W | 1 | cm | 1 |
| Dungeness ... | 30·20 | 66 | 64 | SW | 3 | o | 2 |
| North Foreland | 30·22 | 70 | 61 | NW | 2 | bc | 2 |
| London (Westminster) | 30·23 | 71 | 60 | NW | 2 | c | * |
| Yarmouth ... | 30·19 | 62 | 59 | SE | 2 | cv | 2 |
| Rochefort ... | 30·35 | 70 | 68 | NW | 4 | c | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the Nn. parts of Russia and Scandinavia on the one hand, and over the Iberian Peninsula and the Sn. shores of the Mediterranean on the other; fair over central France, cloudy or overcast elsewhere, with rain in several parts of the British Islands and central Europe, thunder and lightning at Leghorn. Some rain later over all the Nn. and NW. parts of the United Kingdom, local showers over France and Scandinavia.

Temperature rising over Wn. Europe. Morning reading highest 92° at Athens, 87° at Patras, 82° at Brindisi and Sfax; above 70° on the Sn. shores of the Mediterranean generally, lower elsewhere. Lowest (1) 44n° at Archangel, 51° at Ukeaborg and Moscow; 53° at Christiansund and Sumburgh Hd., 54° at Stornoway; 12) 52° at Belfort, 57° at Limoges and Munich. Rising later to between 70° and 76° over England to 81° at Nice and Perpignan, and 86° at Lisbon.

Wind moderate to light and anticyclonic over the British Islands, France and Spain, moderate Nly. over Scandinavia, but SWly. over the Baltic Provinces, and Ely. over the Gulf of Finland. A well marked cyclonic circulation of moderate winds reported over the Nn. parts of the Mediterranean. Freshening a little from the Wd. in the NW. of our Islands later.

Barometer highest 30·4 ins. and more to 30·1 ins. in the En. half of an anticyclone spreading in from the Atlantic over Ireland, England, France and Spain, and exceeding 30·1 ins. over Lapland. Lowest below 29·9 ins. in a depression lying off the SE coast of France, and in another shallower system over central Russia. Barometer falling somewhat decidedly in the N. of our Islands later as a new shallow disturbance advanced towards Norway from the Atlantic.

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### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Friday 14th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | | | | | | | | | | | | | | # | | # | | | |
| | Hernösand ... | | | | | | | | | | | | | | # | | # | | | |
| | Stockholm ... | | | | | | | | | | | | | | # | | # | | | |
| | Wisby ... ... | | | | | | | | | | | | | | # | | # | | | |
| | Karlstad ... | | | | | | | | | | | | | | # | | # | # | # | |
| | Bodö ... ... | 29.85 | 59 | 2 | 0 | b | 29.81 | — .12 | 59 | 55 | — 1 | N | 1 | bc | 0 | b | # | 63 | 54 | — |
| | Christiansund ... | 29.80 | 56 | NE | 2 | 0 | 29.74 | — .16 | 51 | 55 | + 2 | NW | 1 | c | 1 | 0 | # | 59 | 54 | 0.28 |
| | Skudesnaes ... | 29.80 | 58 | S | 6 | rf | 29.76 | — .17 | 57 | 54 | 0 | 2 | 0 | 0 | 2 | rf | # | 58 | 54 | # |
| | Færder (Christiania Fjord) | 29.89 | 64 | SSE | 1 | c | 29.79 | — .20 | 61 | 58 | — 3 | ESE | 2 | 0 | 2 | c | # | 68 | 61 | — |
| | Skagen (The Scaw) | 29.87 | 63 | SSW | 2 | c | 29.78 | — .20 | 62 | 61 | — 1 | SSW | 3 | 0 | 0 | c | # | 73 | 59 | — |
| | Fanö ... ... | 29.82 | 61 | WSW | 4 | c | 29.73 | — .22 | 59 | 59 | — 1 | SE | 2 | r | # | c | # | 64 | 59 | 0.16 |
| British Islands | Sumburgh Head | 29.71 | 54 | W | 3 | c | 29.66 | — .07 | 53 | 52 | 0 | W | 2 | c | 3 | 0,c | # | 56 | 50 | — |
| | Stornoway ... | 29.84 | 57 | WNW | 3 | c | 29.78 | — .09 | 53 | 53 | — 1 | WNW | 3 | 0 | 3 | 0,c | 2.7 | 60 | 48 | 0.11 |
| | Wick ... ... | 29.83 | 58 | NW | 2 | c | 29.75 | — .10 | 53 | 53 | — 2 | NW | 2 | op | 1 | c | # | 67 | 47 | 0.05 |
| | Nairn ... ... | 29.84 | 57 | W | 3 | r | 29.76 | — .10 | 54 | 53 | — 5 | W | 1 | c | 1 | r | # | 62 | 48 | 0.01 |
| | Aberdeen ... | 29.85 | 56 | S | 1 | bc | 29.76 | — .11 | 56 | 51 | — 2 | W | 2 | c | 1 | rg,bc,p | 2.8 | 61 | 47 | 0.19 |
| | Leith ... ... | 29.86 | 65 | W | 3 | bc | 29.80 | — .07 | 59 | 54 | — 1 | W | 3 | b | # | bc | # | 68 | 50 | 0.19 |
| | Shields ... ... | 29.88 | 64 | W | 2 | c | 29.84 | — .10 | 59 | 53 | — 2 | SW | 3 | bc | 2 | r,c | # | 70 | 52 | 0.05 |
| | Spurn Head ... | 29.90 | 65 | W | 5 | b | 29.88 | — .11 | 58 | 56 | — 6 | W | 3 | op | 2 | b,0 | # | 68 | 55 | — |
| | York ... ... | 29.92 | 63 | W | 4 | b | 29.89 | — .12 | 58 | 55 | — 6 | W | 2 | bc | # | b | 3.8 | 69 | 51 | 0.10 |
| | Loughborough ... | 30.00 | 61 | W | 4 | 0 | 29.93 | — .18 | 58 | 56 | — 6 | W | 2 | cw | # | c,og,op | # | 74 | 57 | 0.21 |
| | Ardrossan ... | 29.94 | 61 | W | 4 | c | 29.84 | — .05 | 57 | 55 | — 2 | W | 3 | op | 2 | c | # | 62 | 53 | 0.02 |
| | Malin Head ... | 29.98 | 57 | WSW | 5 | ormq | 29.89 | — .03 | 55 | 53 | — 3 | W | 6 | oq | 4 | omqw | # | 58 | 53 | 0.08 |
| | Belmullet ... | 30.06 | 59 | WNW | 2 | c | 30.05 | — .02 | 58 | 53 | — 1 | NW | 3 | 0 | # | c | # | 60 | 58 | — |
| | Donaghadee ... | 30.01 | 61 | NW | 5 | bc | 29.98 | — .05 | 56 | 53 | — 6 | NW | 5 | c | 3 | bc | # | 69 | 52 | 0.01 |
| | Liverpool (Bidston) | 29.99 | 62 | W | 3 | c | 29.93 | — .13 | 57 | 53 | — 6 | WNW | 4 | 0 | 3 | r,c | # | 66 | 55 | 0.11 |
| | Holyhead ... | 30.02 | 62 | W | 4 | cp | 29.97 | — .13 | 57 | 55 | — 4 | WNW | 4 | c | 3 | omd,cp | # | 67 | 54 | 0.04 |
| | Parsonstown ... | 30.06 | 62 | W | 1 | 0 | 30.05 | — .09 | 56 | 53 | — 6 | W | 2 | 0 | # | 0,d | 0.0 | 64 | 53 | 0.18 |
| | Valencia ... | 30.14 | 62 | WSW | 4 | ogm | ? 30.21 | — .03 | 58 | 54 | — 4 | NNW | 3 | 0 | 4 | omg | 0.2 | 65 | 54 | 0.06 |
| | Roche's Point .. | 30.13 | 69 | WNW | 4 | bc | 30.11 | — .14 | 60 | 56 | — 4 | NW | 3 | b | 3 | bc,p | # | 71 | 55 | — |
| | Pembroke (St. Ann's Hd.) | 30.12 | 61 | W | 4 | c | 30.03 | — .19 | 58 | 55 | — 2 | NW | 4 | bc | 3 | c | 6.6 | 65 | 56 | 0.02 |
| | Scilly ... ... | 30.23 | 63 | W | 4 | c | 30.07 | — .22 | 62 | 60 | + 1 | W | 4 | c | 3 | bc,c | 8.2 | 67 | 57 | — |
| | Prawle Point ... | 30.16 | 63 | W | 4 | bc | 30.02 | — .23 | 60 | 59 | — 4 | W | 5 | 0 | 4 | bc | # | 69 | 57 | — |
| | Jersey (St. Aubin's) | 30.22 | 65 | W | 4 | cg | 30.11 | — .17 | 64 | 60 | 0 | WSW | 4 | bc | 3 | bc,cg | # | 67 | 60 | — |
| | Hurst Castle ... | 30.12 | 67 | WSW | 4 | bc | 30.01 | — .19 | 64 | 61 | 0 | WSW | 3 | ow | 2 | c,bc | # | 72 | 61 | — |
| | Dungeness ... | 30.04 | 66 | SW | 4 | bc | 29.97 | — .17 | 64 | 62 | — 2 | WSW | 4 | c | 4 | c,bc | # | 70 | 60 | — |
| | North Foreland | 30.03 | 70 | W | 2 | c | 29.97 | — .17 | 62 | 60 | — 3 | W | 2 | op | 2 | 0,c | # | 74 | 59 | 0.04 |
| | London (Brixton) ... | 30.03 | 71 | W | 3 | c | 29.98 | — .18 | 62 | 60 | — 1 | SW | 2 | 0 | # | c,b | 4.6 | 76 | 58 | — |
| | Oxford ... ... | 30.05 | 64 | WSW | 4 | c | 29.94 | — .21 | 61 | 60 | — 3 | WSW | 2 | op | # | c,p | # | 75 | 60 | 0.01 |
| | Cambridge ... | 30.00 | 71 | W | 4 | 0 | 29.92 | — .20 | 64 | 61 | + 1 | W | 2 | c | # | c,0 | 3.3 | 76 | 59 | — |
| | Yarmouth ... | 29.95 | 68 | WNW | 3 | c | 29.92 | — .14 | 62 | 58 | — 1 | WSW | 1 | bc | 2 | b,c | # | 74 | 58 | 0.03 |
| Germany & Holland. | Cuxhaven ... | 29.88 | 63 | W | 4 | 0 | 29.78 | — .19 | 62 | 61 | + 4 | W | 5 | 0 | # | 0,r | # | 64 | 58 | 0.72 |
| | Berlin ... ... | 29.96 | 59 | SW | 2 | 0 | 29.88 | — .14 | 62 | 61 | + 2 | W | 4 | r | # | c | # | 68 | 59 | 0.20 |
| | Wiesbaden ... | # | # | # | # | # | 30.05 | — .12 | 62 | 59 | + 4 | NNW | 2 | b | # | # | # | 70 | 57 | 0.04 |
| | Munich ... | 30.21 | 58 | W | 5 | 0 | 30.17 | — .08 | 55 | 55 | — 2 | W | 4 | c | # | 0 | # | 66 | 54 | 0.20 |
| | The Helder ... | 29.93 | 64 | WSW | 4 | c | 29.89 | — .13 | 62 | 59 | — 1 | W | 4 | 0 | 2 | c | # | 66 | 61 | 0.04 |
| | Brussels ... | # | # | # | # | # | 30.00 | — .14 | 61 | 59 | — 2 | SW | 3 | 0 | # | b | # | 71 | 57 | — |
| | Cape Gris Nez ... | 30.02 | 65 | W | 5 | 0 | 29.98 | — .13 | 62 | 62 | — 1 | W | 4 | 0 | 4 | 0 | # | 68 | 59 | — |
| | Paris ... ... | 30.12 | 70 | NW | 2 | b | 30.12 | — .12 | 56 | 55 | — 4 | SW | 2 | c | # | b | # | 75 | 51 | — |
| | Brest ... ... | 30.27 | 63 | WNW | 1 | c | 30.14 | — .18 | 59 | 58 | 0 | SW | 2 | c | 2 | c | # | 68 | 54 | — |
| | Lorient ... ... | 30.22 | 64 | W | 4 | bc | 30.19 | — .14 | 61 | 58 | + 1 | WSW | 2 | bc | 1 | bc | # | 72 | 54 | — |
| France & Belgium. | Rochefort ... | 30.24 | 67 | NW | 4 | b | 30.16 | — .16 | 62 | 61 | — 2 | NW | 2 | b | # | c,b | # | 73 | 55 | — |
| | Belfort ... ... | 30.12 | 66 | W | 1 | c | 30.12 | — .15 | 57 | 55 | + 5 | SSW | 1 | m | # | c | # | 71 | 46 | — |
| | Lyons ... ... | 30.17 | 70 | N | 1 | b | 30.15 | — .10 | 65 | 61 | + 5 | ENE | 1 | b | # | b | # | 78 | 57 | — |
| | Nice ... ... | 30.05 | 73 | W | 1 | b | 30.06 | + .01 | 71 | 59 | 0 | ENE | 1 | b | 2 | b | # | 81 | 63 | — |
| | Perpignan ... | 30.13 | 78 | NW | 3 | b | 30.12 | — .09 | 68 | 61 | — 2 | W | 1 | b | # | b | # | 83 | 59 | — |
| | Biarritz ... | 30.20 | 69 | N | 4 | b | 30.11 | — .17 | 64 | 63 | — 1 | E | 2 | b | 2 | b | # | 73 | 63 | — |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | | | # | | | |
| | Lisbon ... ... | 29.95 | 80 | N | 5 | b | 29.96 | — .12 | 76 | 62 | + 3 | SW | 2 | b | # | b | # | 93 | 70 | — |
| | Azores (P. Delgada) | 30.26 | 66 | NE | 2 | b | 30.24 | — .03 | 69 | 64 | 0 | NNW | 3 | b | 1 | b | # | 79 | 63 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 1.2 hrs; Eastbourne 4.4 hrs; Hastings (St Leonards) 6.6 hrs.*

# WEATHER CHARTS

FOR *Friday, 14th August,* 1896.

## BAROMETER, WIND AND SEA.

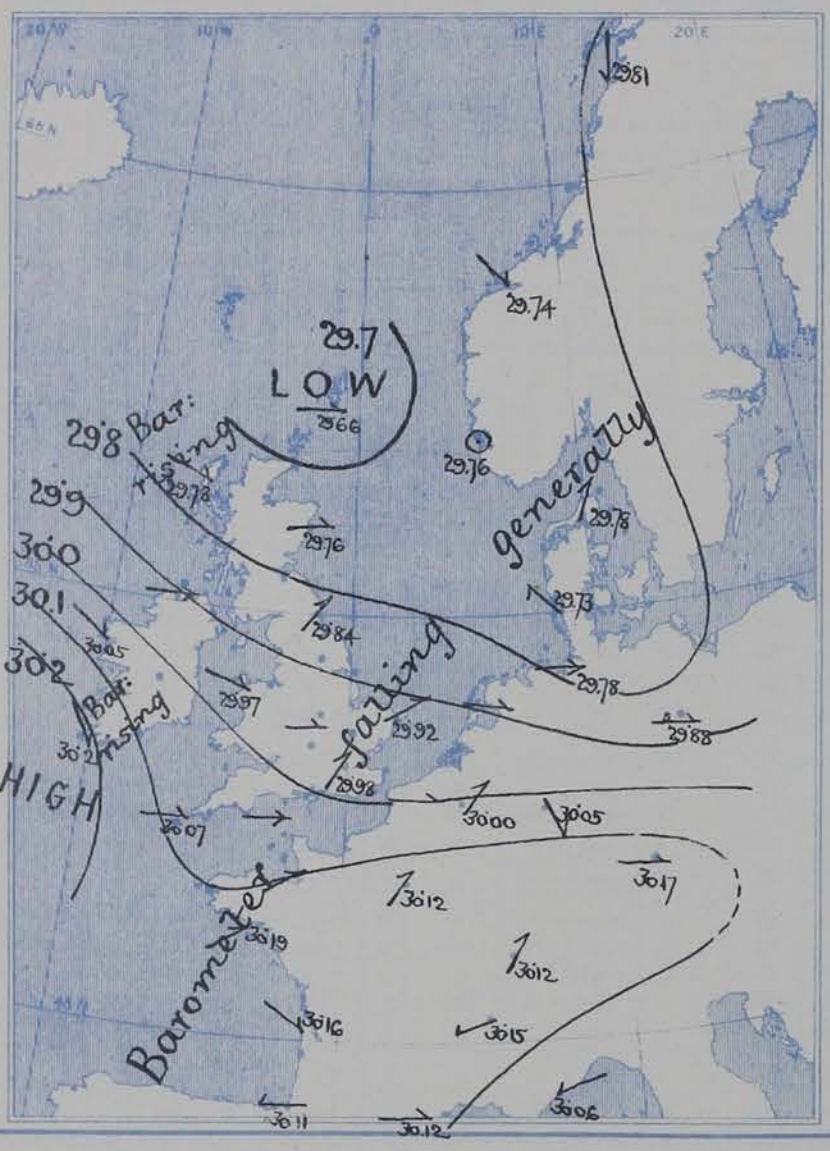
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ : Force 5 to 7 ⟶ : Calm ⊙

Force 8 to 10 ⟶ : Force 1 to 4 ⟶ :

*SEA*—Rough : High

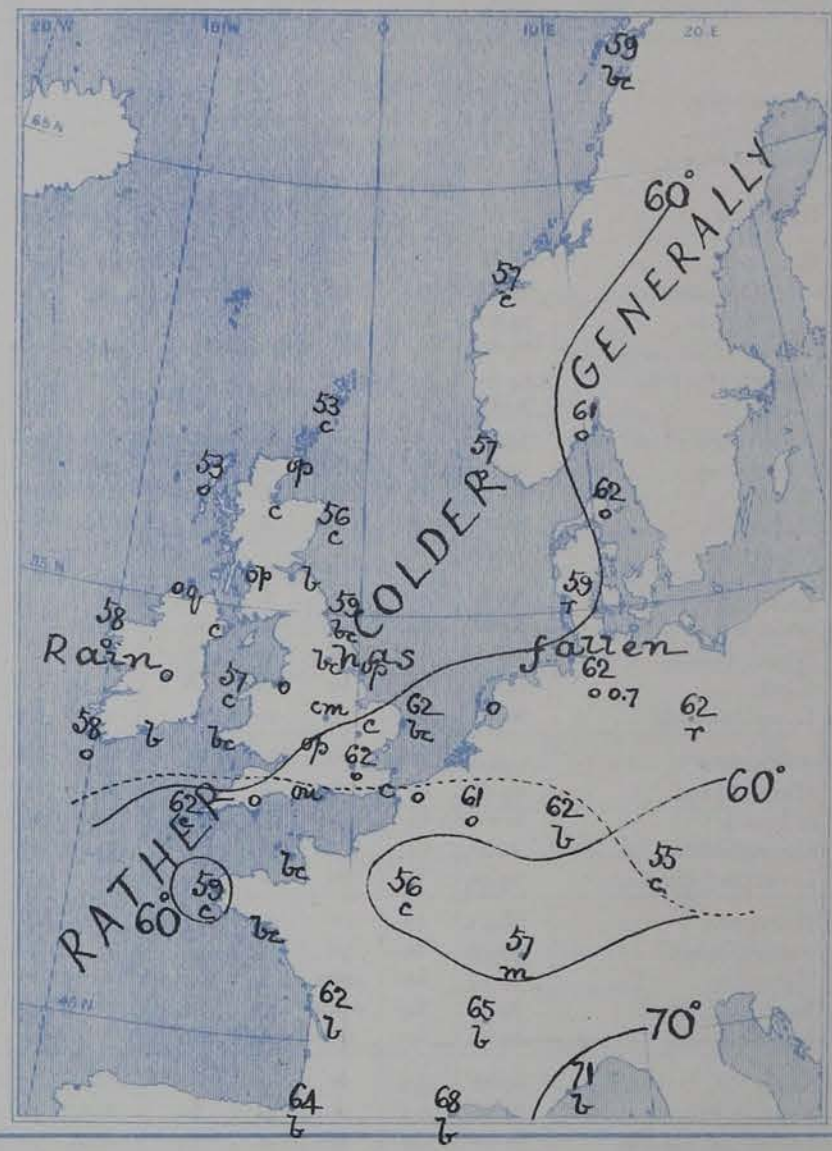



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·08 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30·2 ins. at Valencia (Ireland), and exceeding 30·0 ins. over the southwestern parts of Ireland, England and the whole of France.
Lowest. Below 29.7 ins. over the Shetland Islands, and over the E^m. side of the North Sea, and below 30.0 ins. over central England.
Gradients variable – slight to moderate – and indicative of S.W.^ly to N.W.^ly winds.
Barometer begun to rise again in the S. of Ireland, but still falling at the S.^m. & E.^m. stations as a whole.

**TEMPERATURE**

Highest 71° at Nice, 68° at Perpignan, 64^m at Biarritz, Hurst Castle and Dover.
Lowest 53° at Sumburgh H.^d and Stornoway, 54° at Nairn, 55° at Malin H.^d, 56° at Parsonstown.
The maxima recorded over England yesterday were again as high as 70° to 76°; that at Paris was 75°, and at Perpignan 83°.

**WIND**

N.W.^ly, fresh to moderate at our W.^m stations, W.^ly light in the south and east, S.W.^ly in the northeast of France, but S.^ly to E.^ly over the Skager Rack.
(Most of the Scandinavian reports are wanting – 11.45 am)

**WEATHER**

Very fine in the S.W. of France, cloudy or overcast, changeable, and with rain in places, elsewhere. Showers have again fallen at all our N.^n and W.^m stations and over Germany – at Cuxhaven the fall of rain has been heavy (0.7 in). Bright Sunshine recorded yesterday was – 8.6 hrs. at Scilly, 6.6 hrs. at Hastings, 4.6 hrs. in London, 4.4 hrs. at Eastbourne, 2.8 hrs. at Aberdeen, none at Parsonstown.

**SEA**

Moderate in the west and south, slight to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are shallow secondary depressions moving across our Islands, and causing close, showery weather, but in their rear the barometer is again rising and the wind is shifting to the N.W.^ward with cooler weather.

# FORECASTS

*For the 24 hours ending at NOON on* 15^TH. AUGUST. 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | N.W.^ly breezes; changeable weather, some showers, bright intervals. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | W.^ly winds; mild, close, showery; then N.W.^ly; finer, colder. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | N.W.^ly breezes, fresh; showery. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | N.W.^ly breezes, moderate; fair as a whole, cooler. |
| 9 | IRELAND NORTH | Same as Nos. 6 and 7. |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.86 | 58 | 57 | SSE | 6 | rf | 4 |
| Sumburgh Head | 29.71 | 55 | 54 | W | 3 | o | 4 |
| Stornoway ... ... | 29.86 | 59 | 55 | NW | 3 | o | 3 |
| Aberdeen ... ... | 29.87 | 55 | 54 | SE | 1 | org | 1 |
| Shields ... ... | 29.86 | 67 | 62 | WSW | 4 | c | 2 |
| Ardrossan ... ... | 29.93 | 61 | 58 | W | 5 | c | 3 |
| Malin Head ... | 30.00 | 55 | 55 | NW | 5 | o | 3 |
| Belmullet ... ... | 30.09 | 60 | 57 | WNW | 3 | c | * |
| Holyhead ... ... | 30.03 | 66 | 64 | W | 6 | odm | 4 |
| Valencia ... ... | 30.21 | 64 | 62 | WSW | 5 | sm | 5 |
| Scilly ... ... | 30.25 | 66 | 60 | W | 4 | bc | 3 |
| Jersey ... ... | 30.25 | 67 | 62 | W | 4 | bc | 3 |
| Hurst Castle ... | 30.15 | 69 | 64 | SW | 4 | c | 2 |
| Dungeness ... | 30.08 | 69 | 65 | SW | 4 | c | 3 |
| North Foreland | 30.06 | ?70 | 61 | W | 2 | o | 2 |
| London (Westminster) | 30.08 | 75 | 63 | W | 2 | o | * |
| Yarmouth ... | 30.00 | 74 | 64 | WNW | 3 | b | 2 |
| Rochefort ... | 30.31 | 72 | 67 | NW | 3 | c | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

*Continental information will be issued tomorrow.*

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday 15th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | Weather | Barometer. | | Temperature. | | | Wind. | | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Temp. | | Rainfall. |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | | | | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia. | Haparanda ... | 29·83 | 53 | Z | 0 | f | 29·75 | —·11 | 58 | 56 | — 1 | Z | 0 | bc | * | f | * | 66 | 48 | — |
| | Hernösand ... | 29·86 | 57 | S | 4 | b | 29·84 | —·06 | 59 | 54 | + 1 | S | 2 | b | * | b | * | 66 | 41 | — |
| | Stockholm ... | 29·91 | 54 | SE | 2 | b | 29·81 | —·14 | 60 | 55 | + 2 | SE | 4 | o | * | b | * | 66 | 48 | — |
| | Wisby ... ... | 29·91 | 53 | SE | 4 | b | 29·73 | —·21 | 59 | 57 | — 1 | SSE | 4 | r | * | b | * | 64 | 48 | 0·04 |
| | Karlstad ... | 29·81 | 62 | E | 4 | c | 29·73 | ? | 59 | 54 | ? | ENE | 4 | o | * | c | * | * | * | — |
| | Bodö ... ... | 29·81 | 55 | N | 1 | c | 29·82 | +·01 | 50 | 46 | — 9 | NW | 2 | o | 1 | c | * | 59 | 50 | — |
| | Christiansund ... | 29·80 | 56 | N | 2 | f | 29·84 | +·10 | 52 | 51 | — 5 | NE | 7 | r | 3 | f | * | 61 | 52 | 0·04 |
| | Skudesnaes ... | 29·73 | 58 | NW | 4 | c | 29·67 | —·09 | 59 | 55 | + 2 | NNW | 2 | bc | 2 | bc, c | * | 61 | 54 | * |
| | Færder (Christiania Fjord) | 29·74 | 59 | E | 2 | r | 29·68 | —·11 | 58 | 57 | — 3 | NE | 4 | r | 3 | r | * | 63 | 57 | 0·95 |
| | Skagen (The Scaw) | 29·68 | 59 | SE | 3 | r | 29·63 | —·15 | 57 | 55 | — 5 | SE | 2 | r | 0 | r | * | 63 | 55 | 2·92 |
| | Fanö ... ... | 29·73 | 57 | Z | 0 | c | 29·69 | —·04 | 59 | 54 | 0 | WNW | 4 | c | * | c, b | * | 64 | 54 | 0·43 |
| | Sumburgh Head | 29·71 | 54 | SSE | 1 | bc | 29·93 | +·27 | 53 | 52 | 0 | N | 3 | o | 3 | c, bc | * | 58 | 48 | — |
| | Stornoway ... | 29·91 | 55 | N | 4 | obq | 30·11 | +·33 | 51 | 51 | — 2 | N | 4 | o | 4 | obq, b | 4·0 | 58 | 49 | 0·04 |
| | Wick ... ... | 29·75 | 56 | NW | 3 | r | 30·02 | +·27 | 55 | 55 | + 2 | NW | 6 | o | 3 | r | * | 60 | 50 | 0·35 |
| | Nairn ... ... | 29·82 | 54 | NW | 3 | o | 30·02 | +·26 | 56 | 53 | + 2 | NW | 2 | c | 2 | o | * | 60 | 51 | 0·23 |
| | Aberdeen ... | 29·78 | 53 | NW | 3 | o | 29·96 | +·20 | 56 | 53 | 0 | NNW | 5 | cq | 4 | cp, o, r | 5·0 | 60 | 51 | 0·56 |
| British Islands. | Leith ... ... | 29·81 | 61 | Z | 0 | o | 30·00 | +·20 | 62 | 56 | + 3 | NNW | 2 | o | * | blr, o | * | 66 | 53 | 0·02 |
| | Shields ... ... | 29·82 | 55 | SW | 3 | bc | 29·92 | +·08 | 55 | 52 | — 4 | N | 4 | cp | 4 | blr, bc | * | 65 | 50 | 0·43 |
| | Spurn Head ... | 29·84 | 61 | W | 3 | c | 29·88 | ·00 | 56 | 54 | — 2 | W | 5 | o | 3 | c | * | 64 | 52 | — |
| | York ... ... | 29·87 | 60 | WSW | 4 | c | 29·91 | +·02 | 56 | 53 | — 2 | NW | 3 | o | * | c | 5·9 | 66 | 49 | 0·01 |
| | Loughborough ... | 29·92 | 63 | W | 3 | b | 29·96 | +·03 | 58 | 53 | 0 | NW | 4 | cq | * | bcq, bw | * | 66 | 52 | — |
| | Ardrossan ... | 29·87 | 59 | W | 5 | b | 30·03 | +·19 | 61 | 57 | + 4 | N | 4 | c | 3 | bc, b | * | 62 | 53 | 0·04 |
| | Malin Head ... | 29·97 | 56 | NW | 6 | bp | 30·13 | +·24 | 54 | 52 | — 1 | NNW | 6 | op | 4 | c, bp | * | 58 | 53 | 0·05 |
| | Belmullet ... | 30·12 | 60 | NNW | 3 | b | 30·25 | +·20 | 57 | 52 | — 1 | N | 4 | c | * | b | * | 60 | 53 | 0·06 |
| | Donaghadee ... | 29·97 | 59 | WNW | 6 | bc | 30·07 | +·14 | 58 | 55 | + 2 | NW | 7 | bc | 5 | bc | * | 65 | 53 | — |
| | Liverpool (Bidston) | 29·93 | 59 | WNW | 5 | o | 29·99 | +·06 | 58 | 54 | + 1 | WNW | 4 | c | 4 | bc, ohrp | * | 62 | 53 | 0·06 |
| | Holyhead ... | 29·98 | 59 | NW | 3 | bp | 30·06 | +·09 | 56 | 54 | — 1 | NW | 6 | cp | 4 | bc, bp | * | 64 | 53 | 0·02 |
| | Parsonstown ... | 30·07 | 61 | N | 1 | b | 30·19 | +·14 | 56 | 52 | 0 | N | 1 | o | * | b | 7·2 | 64 | ? | — |
| | Valencia ... | 30·15 | 61 | NNW | 4 | bc | 30·25 | +·14 | 59 | 54 | + 1 | N | 3 | o | 3 | bcv, bc | 7·7 | 62 | 53 | 0·01 |
| | Roche's Point ... | 30·08 | 65 | NW | 4 | b | 30·20 | +·09 | 58 | 54 | — 2 | NNW | 3 | bc | 3 | b | * | 69 | 52 | — |
| | Pembroke (St. Ann's Hd.) | 30·03 | 61 | WNW | 4 | b | 30·10 | +·07 | 57 | 53 | — 1 | NNW | 5 | b | 3 | b | 12·6 | 61 | 55 | — |
| | Scilly ... ... | 30·08 | 61 | NNW | 4 | bc | 30·13 | +·06 | 61 | 58 | — 1 | NNW | 4 | bc | 2 | omp, bc | 4·2 | 63 | 56 | 0·02 |
| | Prawle Point ... | 30·06 | 62 | NNW | 4 | c | 30·08 | +·06 | 64 | 58 | + 4 | NW | 3 | b | 2 | c | * | 72 | 50 | — |
| | Jersey (St. Aubin's) | 30·04 | 65 | W | 5 | c | 30·08 | —·03 | 64 | 59 | 0 | WNW | 4 | bc | 3 | rq, c | * | 66 | 55 | 0·02 |
| | Hurst Castle ... | 29·97 | 67 | NW | 2 | b | 30·03 | +·02 | 57 | 55 | — 7 | W | 2 | bc | 2 | bc, b | * | 72 | 52 | — |
| | Dungeness ... | 29·90 | 64 | WSW | 4 | c | 29·95 | —·02 | 61 | 56 | — 3 | WNW | 3 | b | 2 | c | * | 67 | 42 | — |
| | North Foreland | 29·90 | 66 | WNW | 2 | c | 29·94 | —·03 | 58 | 54 | — 4 | NW | 3 | o | 2 | blr, c | * | 67 | 53 | 0·56 |
| | London (Brixton) ... | 29·91 | 67 | WNW | 2 | bc | 29·99 | +·01 | 57 | 53 | — 5 | W | 1 | o | * | or, bc, b | 5·9 | 72 | 48 | 0·09 |
| | Oxford ... ... | 29·96 | 60 | NW | 2 | b | 30·00 | +·06 | 58 | 52 | — 3 | W | 3 | bc | * | c, b | * | 69 | 48 | — |
| | Cambridge ... | 29·91 | 67 | NW | 1 | b | 29·94 | +·02 | 58 | 55 | — 6 | WNW | 3 | o | * | b | 7·6 | 70 | 50 | — |
| | Yarmouth ... | 29·86 | 62 | Z | 0 | bc | 29·88 | —·04 | 57 | 53 | — 5 | WNW | 4 | bc | 2 | p, bc | * | 67 | 54 | 0·04 |
| Germany & Holland. | Cuxhaven ... | 29·79 | 63 | W | 2 | c | 29·76 | —·02 | 58 | 57 | — 4 | WSW | 3 | bc | * | c | * | 64 | 54 | 0·08 |
| | Berlin ... ... | 29·86 | 64 | SW | 3 | o | 29·83 | —·05 | 62 | 60 | 0 | W | 3 | o | * | o | * | 72 | 59 | 0·16 |
| | Wiesbaden ... | * | * | * | * | * | 29·95 | —·10 | 63 | 59 | + 1 | SW | 1 | c | * | * | * | 73 | 55 | — |
| | Munich ... .. | 30·09 | 59 | Z | 0 | b | 30·06 | —·11 | 63 | 58 | + 8 | W | 3 | b | * | b | * | 70 | 52 | 0·04 |
| | The Helder ... | 29·85 | 62 | NW | 2 | bc | 29·83 | —·06 | 60 | 55 | — 2 | W | 4 | bc | 2 | bc | * | 64 | 57 | 0·04 |
| Belgium. | Brussels ... | * | * | * | * | * | 29·95 | —·05 | 59 | 55 | — 2 | WSW | 2 | bc | * | o | * | 71 | 53 | 0·04 |
| | Cape Gris Nez. | 29·89 | 63 | W | 5 | m | 29·91 | —·07 | 59 | 57 | — 3 | N | 3 | c | 3 | m | * | 64 | 55 | — |
| | Paris ... ... | 30·00 | 68 | WNW | 2 | bc | 30·01 | —·11 | 61 | 57 | + 5 | NW | 2 | o | * | bc | * | 76 | 56 | — |
| | Brest ... ... | 30·08 | 64 | W | 1 | c | 30·15 | +·01 | 57 | 57 | — 2 | N | 1 | b | 2 | c | * | 64 | 48 | — |
| | Lorient ... ... | 30·08 | 67 | NNW | 3 | b | 30·08 | —·11 | 58 | 55 | — 3 | N | 4 | c | 2 | b | * | 73 | 52 | — |
| France & | Rochefort ... | 30·06 | 67 | NW | 4 | b | 30·04 | —·12 | 62 | 60 | 0 | ENE | 4 | bc | * | b | * | 73 | 57 | — |
| | Belfort ... ... | 30·01 | 69 | W | 1 | b | 30·00 | —·12 | ?58 | 56 | + 1 | Z | 0 | r | * | b | * | 75 | 45 | — |
| | Lyons ... ... | 30·00 | 73 | E | 1 | b | 29·99 | —·16 | 66 | 58 | + 1 | S | 1 | b | * | b | * | 78 | 58 | — |
| | Nice ... ... | 30·08 | 72 | W | 1 | bc | 30·07 | +·01 | 64 | 60 | — 7 | Z | 0 | b | 1 | b | * | 81 | 55 | — |
| | Perpignan ... | 30·00 | 73 | NE | 1 | b | 29·97 | —·15 | 64 | ? | — 4 | NE | 2 | o | * | b | * | 85 | 58 | — |
| | Biarritz ... | 30·01 | 72 | N | 2 | b | 30·02 | —·09 | 67 | 65 | + 3 | NE | 2 | o | 1 | b | * | 72 | 66 | — |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 29·91 | 73 | ?WSW | 2 | b | 29·95 | —·01 | 69 | 63 | — 7 | N | 2 | bc | * | b | * | 88 | 64 | — |
| | Azores (P. Delgada) | 30·26 | 68 | NNE | 2 | b | 30·26 | +·02 | 68 | 61 | — 1 | NNW | 3 | bc | 1 | b | * | 77 | 64 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday* Southport 3·9 hrs; Eastbourne 4·5 hrs; Hastings (St Leonards) 5·2 hrs.

# WEATHER CHARTS

FOR Saturday, 15th August, 1896.

## BAROMETER, WIND AND SEA.

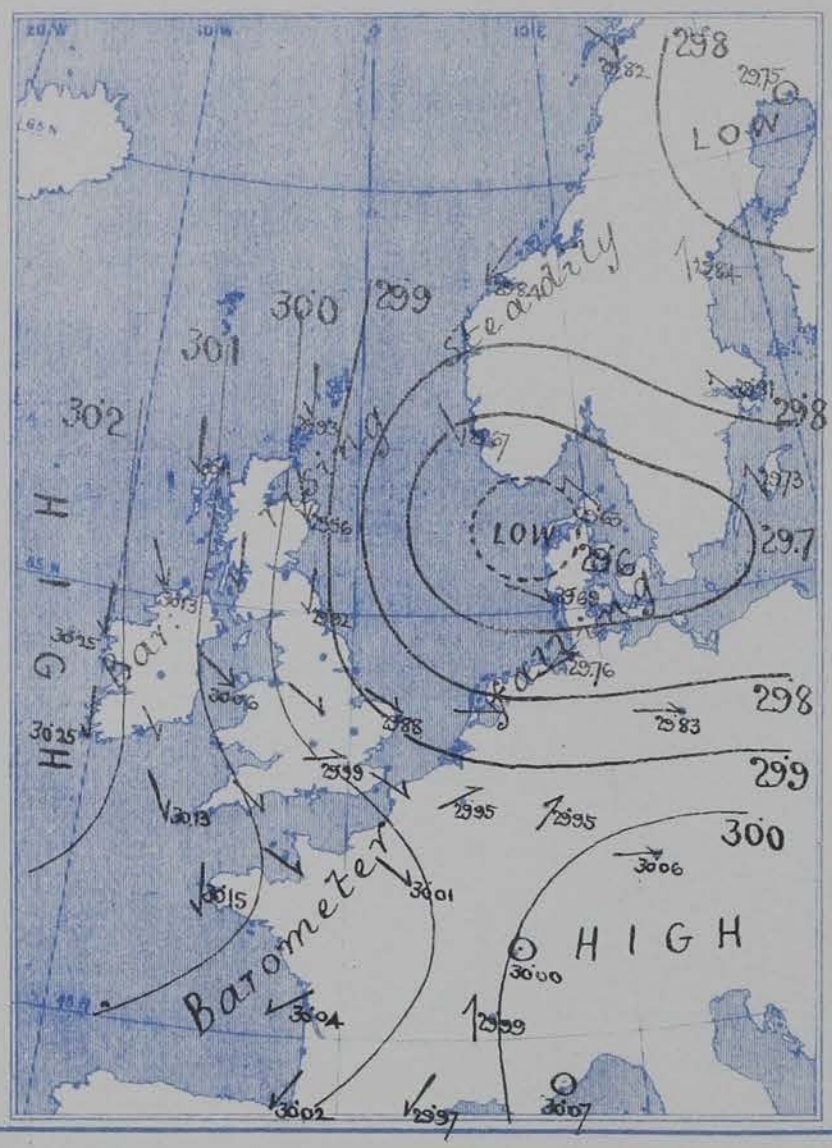
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

*Force above 10* ⇉ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

*Force 8 to 10* ⟶ ;

*SEA*—*Rough* ; *High*

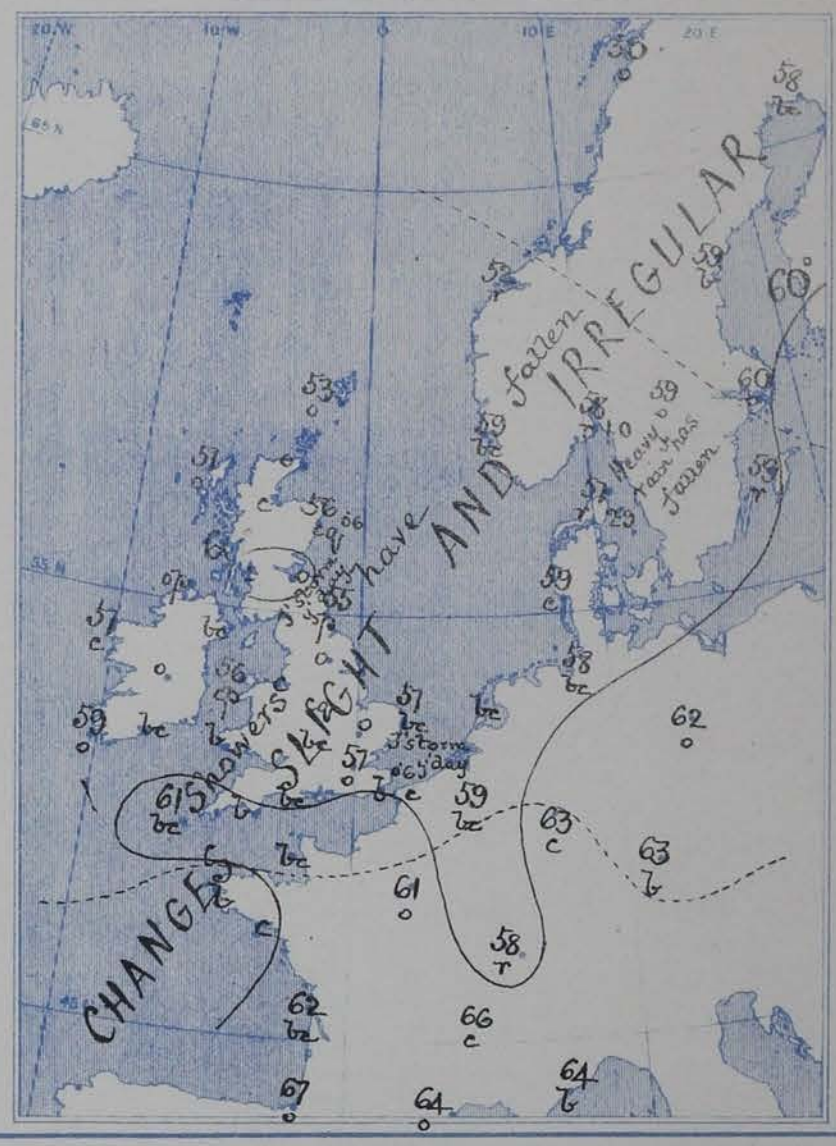



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29 · 767 | 53 · 4 | 51 · 8 | 57 · 7 | 48 · 5 | 69 | 1880 | 38 | 1885, 95 | 3 · 44 | — | — |
| Stornoway | 29 · 782 | 55 · 0 | 53 · 5 | 59 · 8 | 49 · 1 | 74 | 1876 | 33 | 1888 | 3 · 77 | 117 4 | 25 |
| Wick | 29 · 798 | 55 · 3 | 53 · 4 | 61 · 2 | 48 · 6 | 85 | 1893 | 30 | 1886 | 2 · 68 | — | — |
| Nairn | 29 · 803 | 55 · 7 | 53 · 0 | 63 · 6 | 50 · 1 | 81 | 1887 | 33 | 1885, 91 | 2 · 80 | — | — |
| Aberdeen | 29 · 819 | 56 · 6 | 53 · 5 | 63 · 1 | 50 · 2 | 81 | 1880, 82 | 33 | 1885 | 3 · 15 | 151 1 | 33 |
| Leith | 29 · 835 | 57 · 6 | 53 · 4 | 65 · 8 | 51 · 3 | 85 | 1893 | 37 | 1874 | 2 · 74 | — | — |
| Shields | 29 · 858 | 57 · 3 | 54 · 6 | 63 · 9 | 51 · 7 | 83 | 1893 | 39 | 1892 | 2 · 86 | — | — |
| Spurn Head | 29 894 | 58 · 9 | 56 · 6 | 64 · 4 | 54 · 9 | 87* | 1893 | 46* | 1887, 90 | 1 · 84 | — | — |
| York | 29 · 895 | 57 · 8 | 55 · 1 | 67 · 8 | 51 · 4 | 89 | 1876 | 37 | 1887 | 2 · 62 | 145 · 1 | 32 |
| Loughborough | 29 · 923 | 59 · 2 | 56 · 3 | 70 · 3 | 52 · 0 | 91* | 1893 | 38* | 1885, 87, 88 | 2 · 50 | — | — |
| Ardrossan | 29 · 843 | 57 · 3 | 55 · 0 | 63 · 4 | 52 · 8 | 84 | 1872 | 38 | 1881 | 3 · 91 | — | — |
| Donaghadee | 29 · 869 | 56 · 9 | 55 · 4 | 62 · 5 | 52 · 6 | 77 | 1890 | 38 | 1886 | 3 · 27 | — | — |
| Holyhead | 29 · 898 | 58 · 4 | 56 · 2 | 64 · 0 | 54 · 7 | 83 | 1893 | 45 | 1888 | 2 · 98 | — | — |
| Liverpool | 29 · 898 | 58 · 6 | 55 · 3 | 65 · 6 | 54 · 3 | 85 | 1876, 84, 93 | 44 | 1885 | 2 · 87 | — | — |
| Parsonstown | 29 · 908 | 57 · 2 | 55 · 1 | 65 · 7 | 51 · 5 | 82 | 1893 | 35 | 1885, 87 | 3 · 67 | 131 · 0 | 29 |
| Valencia | 29 · 921 | 59 · 3 | 56 · 9 | 64 · 4 | 54 · 2 | 80 | 1893 | 42 | 1890 | 4 · 85 | 146 · 0 | 33 |
| Roche's Point | 29 · 933 | 58 · 8 | 56 · 3 | 65 · 7 | 53 · 9 | 80 | 1880 | 44 | 1883 | 4 · 03 | — | — |
| Pembroke | 29 · 923 | 58 · 6 | 56 · 6 | 63 · 0 | 55 · 6 | 78 | 1874 | 47 | 1885, 88 | 2 · 88 | 188 · 8 | 42 |
| Scilly | 29 · 958 | 60 · 9 | 58 · 8 | 64 · 9 | 56 · 9 | 75 | 1893 | 50 | 1885, 90, 95 | 2 · 54 | — | — |
| Prawle Point | 29 · 968 | 60 · 0 | 57 · 9 | 65 · 1 | 54 · 5 | 82* | 1887 | 43* | 1888 | 2 · 24 | — | — |
| Jersey | 29 · 987 | 63 · 0 | 59 · 7 | 68 · 8 | 57 · 2 | 89 | 1893 | 45 | 1890 | 2 · 44 | 241 · 2 | 55 |
| Hurst Castle | 29 · 962 | 61 · 2 | 59 · 0 | 68 · 1 | 56 · 0 | 82 | 1876, 93 | 43 | 1877 | 2 · 37 | — | — |
| Dover | 29 · 945 | 61 · 9 | 58 7 | 67 · 3 | 56 · 6 | 80 | 1887, 94 | 39 | 1890 | 2 · 07 | — | — |
| LONDON | 29 · 951 | 60 · 9 | 57 · 3 | 71 · 6 | 53 · 5 | 96 | 1876 | 39 | 1887, 90 | 2 · 36 | 160 · 9† | 36† |
| Oxford | 29 · 944 | 58 · 8 | 55 · 9 | 69 · 1 | 53 · 0 | 90 | 1876 | 39 | 1892 | 2 · 32 | 182 9 | 41 |
| Cambridge | 29 · 933 | 59 · 9 | 57 · 1 | 71 · 1 | 51 · 9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2 · 39 | 180 · 5 | 40 |
| Yarmouth | 29 · 920 | 60 · 5 | 57 · 5 | 66 · 3 | 54 · 7 | 85 | 1893 | 42 | 1885 | 2 · 30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest (1) 30·2 ins. and more over the W. of Ireland and the adjacent parts of the Atlantic, and exceeding 30·1 ins. at nearly all our W.ern stations and at Brest; (2) exceeding 30·1 ins. over the S.E. of France, Switzerland and the N. of Italy also.
Lowest Below 29·6 ins. in a depression lying over Denmark & the Skager Rack, 29·75 ins. at Haparanda.
Gradients moderate, and favourable for N.ly to W.ly winds over our Islands, and for W.ly over Germany.
Barometer rising in our Islands, most in the N. and NW.

**TEMPERATURE**

Highest (1) 69° at Lisbon, 64° in the south of France, and at Prawle Pt., 62° at Leith (2) 60° at Stockholm, 59° at Skudesnaes, Faro and Karlstad.
Lowest 50° at Bodø, 51° at Stornoway, 52° at Christiansund, 53° at Sumburgh Hd., 56° at York & Parsonstown.
The highest of the maxima recorded over our Islands yesterday ranged from 70° to 72° over our S.n counties; Wiesbaden recorded a maximum of 73°, Paris 76°, Nice 81°, Lisbon 88°.

**WIND**

N. to NW., and fresh, over Ireland and Scotland, NW. to W., and moderate over England, and the N. of France, W. over Germany, E. to N. over the South of Scandinavia.

**WEATHER**

Fine over France and some parts of our Islands, cloudy and changeable elsewhere, with passing showers in several localities.
Considerable rain had fallen on our N. and E. coasts, accompanied by thunder & lightning in places, and local showers were reported over Ireland, England and N. Germany.
The amounts of Bright Sunshine recorded over our Islands yesterday, were: Pembroke (?) 12·6 hrs, Cambridge 7·6 hrs., London nearly 6 hrs., Hastings 5·2 hrs., Eastbourne 4·5 hrs.

**SEA**

Smooth off our S. coasts, moderate to rather rough, elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Shallow local disturbances, secondary to the large system over Denmark, seem likely to cause passing showers over our Islands today, but finer weather is probable for Sunday.

# FORECASTS

*For the 24 hours ending at NOON on* 16TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | N. breezes, moderate; slight local showers; fine bright intervals. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | Same as No. 5. |
| 4 | MIDLAND COUNTIES | Same as Nos. 0 to 2. |
| 5 | ENGLAND SOUTH | W. and NW. breezes; slight local showers, but fair as a whole. |
| 6 | SCOTLAND WEST | Same as Nos. 0 to 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NW. and N. breezes, moderate; fine. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.76 | 60 | 56 | WNW | 4 | bc | 2 |
| Sumburgh Head | 29.69 | 56 | 55 | W | 2 | c | 3 |
| Stornoway ... ... | 29.86 | 56 | 55 | N | 3 | r | 3 |
| Aberdeen ... ... | 29.77 | 59 | 53 | NW | 3 | cp | 2 |
| Shields ... ... | 29.80 | 64 | 57 | WSW | 4 | cpt | 2 |
| Ardrossan ... ... | 29.85 | 61 | 57 | W | 6 | bc | 3 |
| Malin Head ... | 29.95 | 58 | 55 | NW | 6 | c | 4 |
| Belmullet ... ... | 30.11 | 60 | 55 | NNW | 3 | b | * |
| Holyhead ... ... | 29.97 | 64 | 59 | WSW | 3 | bc | 2 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30.14 | 60 | 55 | NW | 4 | bc | 4 |
| Scilly ... ... | 30.07 | 58 | 57 | NNE | 4 | opm | 3 |
| Jersey ... ... | 30.06 | 64 | 61 | WSW | 5 | c | 4 |
| Hurst Castle ... | 29.96 | 72 | 62 | W | 4 | bc | 2 |
| Dungeness ... | 29.91 | 65 | 63 | WSW | 5 | c | 4 |
| North Foreland | 29.90 | 64 | 62 | SW | 2 | o | 2 |
| London (Westminster) | 29.91 | 68 | 56 | WNW | 3 | bc | * |
| Yarmouth ... | 29.87 | 63 | 58 | N | 2 | bcp | 2 |
| Rochefort ... | 30.02 | 73 | 67 | NW | 4 | b | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine and bright over S.W.n and S.n Europe, as well as over the S. of Russia, Finland, Sweden and Lapland; cloudy or overcast elsewhere, with showers in many places, especially in the N.E.n parts of Gt. Britain. Rain falling later, very heavily over the Skager Rack, and in considerable quantities along our N.E. and E. coasts — passing showers over the British Isles generally, the Netherlands and Germany; thunderstorms reported at our N.E.n and E.n stations.

Temperature fallen considerably over the United Kingdom and some parts of France, and still more decidedly over the Black Sea and Greece. Morning reading, highest 83° at Athens, 79° at Constantinople, 78° at Barcelona, 76° at Lisbon; above 60° at many stations over the S.n half of Europe, and touching 60° at Roche's Pt. and Wisby. Lowest (1) 43° at Archangel, 51° at St. Petersburg and Moscow, (2) 53° in the N. of Scotland, 55° at Malin Hd., 56° at Parsonstown. Rising later to between 70° and 72° over the S. of our Islands and at Berlin to 76° at Paris, 81° at Nice and 88° at Lisbon.

Wind extremely variable over S.W.n and S.n Europe, as well as over Scandinavia, Finland and the greater part of Russia; N.W. to S.W. and moderate over the United Kingdom, S.W. over the N. of France and the Netherlands, S.E. at Paris. Becoming more N. over the United Kingdom later and freshening in the W. and N.

Barometer highest 30.1 ins. and more to 30.0 ins. in an anticyclone of very irregular form covering the whole of W.n, S.n and a great deal of central Europe; and about 30.0 ins. over central Finland. Lowest 29.7 ins. and less to 29.8 ins. in a very complex low pressure system covering Scotland the Shetland Islands and the E.n shores of the North Sea, and below 29.8 ins. over the Grecian Archipelago and Asia Minor. Beginning to rise in our Islands later, and the depression in the N. and E. becoming less complex.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Sunday 16th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29·73 | 66 | SW | 2 | b | 29·74 | — ·01 | 56 | ? | — 2 | ?SW | 4 | b | * | b | * | 66 | 46 | — |
| | Hernösand ... | 29·71 | 50 | S | 2 | b | 29·65 | — ·19 | 55 | 53 | — 4 | NE | 4 | b | * | b | * | 64 | 45 | — |
| | Stockholm ... | 29·58 | 56 | E | 2 | o | 29·49 | — ·32 | 61 | 57 | + 1 | SSE | 2 | b | * | o | * | 61 | 50 | 0·24 |
| | Wisby ... ... | 29·62 | 59 | SSW | 4 | b | 29·54 | — ·19 | 58 | 53 | — 1 | SW | 4 | bc | * | b | * | 63 | 52 | 0·19 |
| | Karlstad ... | 29·60 | 53 | ENE | 4 | r | 29·47 | — ·26 | 53 | 51 | — 6 | NNE | 4 | r | * | r | * | * | * | — |
| | Bodö ... ... | 29·80 | 50 | L | 0 | c | 29·83 | + ·01 | 52 | 48 | + 2 | NE | 2 | c | 1 | c | * | 57 | 45 | — |
| | Christiansund ... | 29·87 | 50 | NE | 3 | o | 29·83 | — ·01 | 50 | 48 | — 2 | ENE | 3 | o | 3 | o | * | 52 | 48 | 0·24 |
| | Skudesnaes ... | 29·73 | 51 | NNW | 8 | o | 29·68 | + ·01 | 59 | 49 | 0 | NW | 6 | c | 4 | o | * | 57 | 48 | * |
| | Færder (Christiania Fjord) | 29·63 | 58 | NNE | 4 | o | 29·55 | — ·13 | 51 | 55 | — 1 | NNW | 2 | o | 1 | o | * | 59 | 51 | 0·31 |
| | Skagen (The Scaw) | 29·60 | 54 | N | 1 | c | 29·55 | — ·08 | 58 | 55 | + 1 | NE | 1 | bc | 0 | c | * | 64 | 54 | 0·47 |
| | Fanö ... ... | 29·69 | 58 | WNW | 5 | c | 29·67 | — ·02 | 57 | 53 | — 2 | NW | 6 | r | * | c | * | 64 | 54 | 0·28 |
| | Sumburgh Head | 29·98 | 48 | NNW | 4 | r | 29·93 | ·00 | 51 | 49 | — 2 | N | 4 | o | 4 | r | * | 55 | 45 | 0·03 |
| | Stornoway ... | 30·16 | 54 | NNW | 3 | o | 30·11 | ·00 | 50 | 49 | — 1 | NNE | 2 | o | 2 | o | 3·3 | 55 | 48 | 0·09 |
| | Wick ... ... | 30·09 | 51 | NW | 3 | o | 30·05 | + ·03 | 50 | 49 | — 5 | NW | 5 | o | 2 | c | * | 55 | 45 | 0·18 |
| | Nairn ... ... | 30·12 | 54 | WNW | 3 | c | 30·08 | + ·06 | 50 | 48 | — 6 | NE | 1 | c | 1 | c | * | 59 | 47 | 0·09 |
| | Aberdeen ... | 30·07 | 52 | NNW | 5 | bcq | 30·06 | + ·10 | 50 | 46 | — 6 | NW | 4 | cq | 4 | bcq, p | 3·7 | 59 | 48 | 0·04 |
| British Islands | Leith ... ... | 30·08 | 60 | E | 2 | bc | 30·05 | + ·05 | 57 | 53 | — 5 | W | 2 | o | * | bc | * | 65 | 49 | — |
| | Shields ... ... | 30·06 | 56 | N | 3 | c | 30·05 | + ·13 | 58 | 52 | + 3 | WNW | 3 | c | 4 | c | * | 61 | 50 | — |
| | Spurn Head ... | 30·00 | 59 | NNW | 5 | cv | 30·06 | + ·08 | 56 | 53 | 0 | W | 3 | o | 4 | cv | * | 62 | 53 | — |
| | York ... ... | 30·05 | 61 | N | 1 | c | 30·04 | + ·13 | 56 | 53 | 0 | WNW | 2 | c | * | c | 7·0 | 64 | 50 | — |
| | Loughborough ... | 30·06 | 62 | NNW | 2 | bc | 30·13 | + ·17 | 56 | 51 | — 2 | WNW | 4 | cw | * | bc, c, bc | * | 65 | 49 | — |
| | Ardrossan ... | 30·07 | 59 | NNW | 4 | b | 30·10 | + ·07 | 56 | 55 | — 5 | W | 3 | c | 2 | b | * | 66 | 51 | — |
| | Malin Head ... | 30·22 | 54 | NNW | 4 | oy | 30·18 | + ·05 | 54 | 52 | 0 | NW | 3 | op | 2 | o | * | 56 | 52 | 0·01 |
| | Belmullet ... | 30·30 | 56 | N | 2 | c | 30·25 | ·00 | 55 | 52 | — 2 | ENE | 2 | o | * | c | * | 58 | 52 | — |
| | Donaghadee ... | 30·17 | 58 | WNW | 1 | b | 30·17 | + ·10 | 56 | 53 | — 2 | NW | 5 | c | 3 | b | * | 63 | 50 | — |
| | Liverpool (Bidston) | 30·10 | 61 | WNW | 3 | b | 30·13 | + ·14 | 57 | 51 | — 1 | WNW | 3 | o | 4 | b | * | 65 | 53 | — |
| | Holyhead ... | 30·17 | 57 | WNW | 4 | b | 30·19 | + ·13 | 55 | 52 | — 1 | NW | 3 | c | 2 | b | * | 59 | 52 | — |
| | Parsonstown ... | 30·22 | 60 | NW | 1 | c | 30·25 | + ·06 | 52 | 51 | — 4 | L | 0 | od | * | c | 2·5 | 62 | ? | — |
| | Valencia ... | 30·28 | 61 | N | 3 | bv | 30·27 | + ·02 | 55 | 53 | — 4 | L | 0 | o | 1 | b | 6·8 | 63 | 44 | — |
| | Roche's Point .. | 30·23 | 61 | N | 4 | bc | 30·29 | + ·09 | 55 | 50 | — 3 | NNW | 3 | b | 2 | bc | * | 65 | 50 | — |
| | Pembroke (St. Ann's Hd.) | 30·16 | 60 | NW | 5 | b | 30·22 | + ·12 | 57 | 53 | 0 | NNE | 3 | b | 2 | b | 5·2 | 61 | 52 | — |
| | Scilly ... ... | 30·19 | 61 | N | 4 | c | 30·22 | + ·09 | 59 | 57 | — 2 | NNW | 1 | o | 1 | c | 8·2 | 63 | 55 | — |
| | Prawle Point ... | 30·11 | 63 | NW | 3 | b | 30·20 | + ·12 | 64 | 57 | 0 | NNW | 2 | b | 1 | b, c | * | 66 | 51 | — |
| | Jersey (St. Aubin's) | 30·10 | 64 | NW | 4 | bc | 30·20 | + ·12 | 68 | 61 | + 4 | ENE | 1 | bmw | 1 | bc | * | 68 | 54 | — |
| | Hurst Castle ... | 30·05 | 68 | NNW | 1 | bc | 30·18 | + ·15 | 60 | 56 | + 3 | L | 0 | bm | 0 | bc | * | 70 | 50 | — |
| | Dungeness ... | 29·99 | 58 | W | 2 | bclq | 30·12 | + ·17 | 59 | 55 | — 2 | NW | 3 | bc | 2 | bc | * | 67 | 45 | 0·06 |
| | North Foreland | 29·99 | 61 | NNW | 3 | c | 30·13 | + ·19 | 59 | 54 | + 1 | NW | 3 | bc | 2 | c, t | * | 64 | 53 | 0·02 |
| | London (Brixton) ... | 30·03 | 62 | NNW | 2 | bc | 30·12 | + ·13 | 59 | 55 | + 2 | WNW | 1 | o | * | bc | 4·9 | 69 | 45 | — |
| | Oxford ... ... | 30·09 | 59 | NNW | 3 | bc | 30·17 | + ·17 | 57 | 52 | — 1 | NW | 1 | b | * | bc | * | 66 | 48 | 0·06 |
| | Cambridge ... | 30·03 | 62 | N | 1 | b | 30·13 | + ·19 | 58 | 54 | 0 | W | 2 | o | * | b | 8·1 | 66 | 49 | — |
| | Yarmouth ... | 29·95 | 60 | NW | 4 | c | 30·06 | + ·18 | 54 | 52 | — 3 | WNW | 3 | cq | 2 | cp, c | * | 61 | 50 | 0·04 |
| Germany & Holland | Cuxhaven ... | 29·75 | 59 | WSW | 2 | c | 29·72 | — ·04 | 57 | 51 | — 1 | NNW | 5 | r | * | c | * | 63 | 54 | 0·32 |
| | Berlin ... ... | | | | | | | | | | | | | | * | | * | | | |
| | Wiesbaden ... | * | * | * | * | * | 30·02 | + ·07 | 57 | 54 | — 6 | SW | 2 | o | * | * | * | 68 | 54 | — |
| | Munich... .. | 30·00 | 61 | SW | 4 | r | 30·10 | + ·04 | 55 | 54 | — 8 | W | 5 | bc | * | r | * | 73 | 54 | 0·28 |
| | The Helder ... | 29·88 | 60 | NW | 4 | c | 29·97 | + ·14 | 57 | 54 | — 3 | NW | 6 | o | 2 | c | * | 63 | 57 | 0·47 |
| Belgium. | Brussels ... | * | * | * | * | * | 30·08 | + ·13 | 59 | 55 | 0 | WNW | 4 | c | * | bc | * | 68 | 50 | — |
| | Cape Gris Nez | 29·96 | 61 | W | 2 | o | 30·09 | + ·18 | 58 | 56 | — 1 | N | 1 | bc | 1 | o | * | 64 | 55 | — |
| | Paris ... ... | 30·02 | 65 | NW | 3 | b | 30·17 | + ·16 | 55 | 53 | — 6 | NW | 1 | b | * | b | * | 73 | 47 | — |
| | Brest ... ... | 30·14 | 63 | N | 3 | c | 30·24 | + ·09 | 56 | 55 | — 1 | N | 1 | b | 2 | c | * | 66 | 48 | — |
| | Lorient... ... | 30·10 | 66 | WSW | 4 | bc | 30·17 | + ·09 | 61 | 58 | + 3 | WSW | 2 | bc | 1 | bc | * | 72 | 52 | — |
| France & | Rochefort ... | 30·03 | 71 | NW | 5 | bc | 30·15 | + ·11 | 58 | 55 | — 4 | ENE | 4 | b | * | bc | * | 87 | 54 | — |
| | Belfort ... ... | 29·91 | 65 | W | 3 | o | 30·07 | + ·07 | 54 | 51 | — 14 | W | 1 | m | * | o | * | 71 | 48 | — |
| | Lyons ... ... | 29·96 | 66 | WNW | 1 | r | 30·10 | + ·11 | 55 | 52 | — 11 | N | 2 | r | * | r | * | 83 | 55 | 0·59 |
| | Nice ... ... | 30·00 | 67 | L | 0 | c | 29·92 | — ·15 | 67 | 61 | + 3 | L | 0 | c | 0 | c | * | 75 | 61 | — |
| | Perpignan ... | 29·95 | 69 | NE | 3 | o | 30·01 | + ·04 | 68 | 63 | + 4 | NW | 2 | o | * | o | * | 78 | 64 | — |
| | Biarritz ... | 30·04 | 68 | W | 4 | o | 30·02 | ·00 | 66 | 64 | — 1 | SSW | 3 | o | 2 | o, t | * | 70 | 61 | 0·12 |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | * | | * | | | |
| | Lisbon ... ... | 29·97 | 64 | NNW | 3 | b | 30·01 | + ·06 | 68 | 63 | — 1 | SSE | 2 | b | * | b | * | 81 | 61 | — |
| | Azores (P. Delgada) | 30·28 | 70 | L | 0 | bc | 30·24 | — ·02 | 72 | 67 | + 4 | E | 2 | b | 2 | bc | * | 77 | 66 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday* Southport 5·3 hrs; Eastbourne 6·0 hrs; Hastings (St Leonards) - - - - - -

# WEATHER CHARTS

FOR SUNDAY, 16TH AUGUST, 1896.

## BAROMETER, WIND AND SEA.

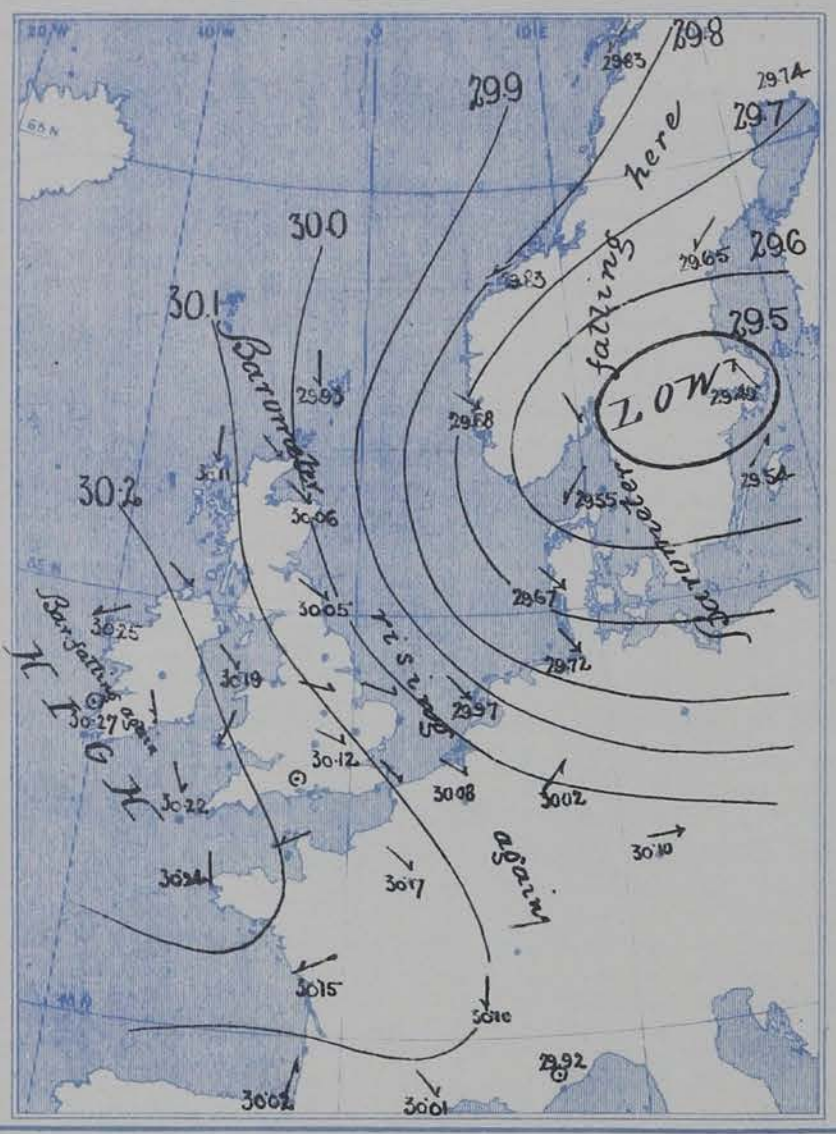
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟫⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ▭ ; High ▬

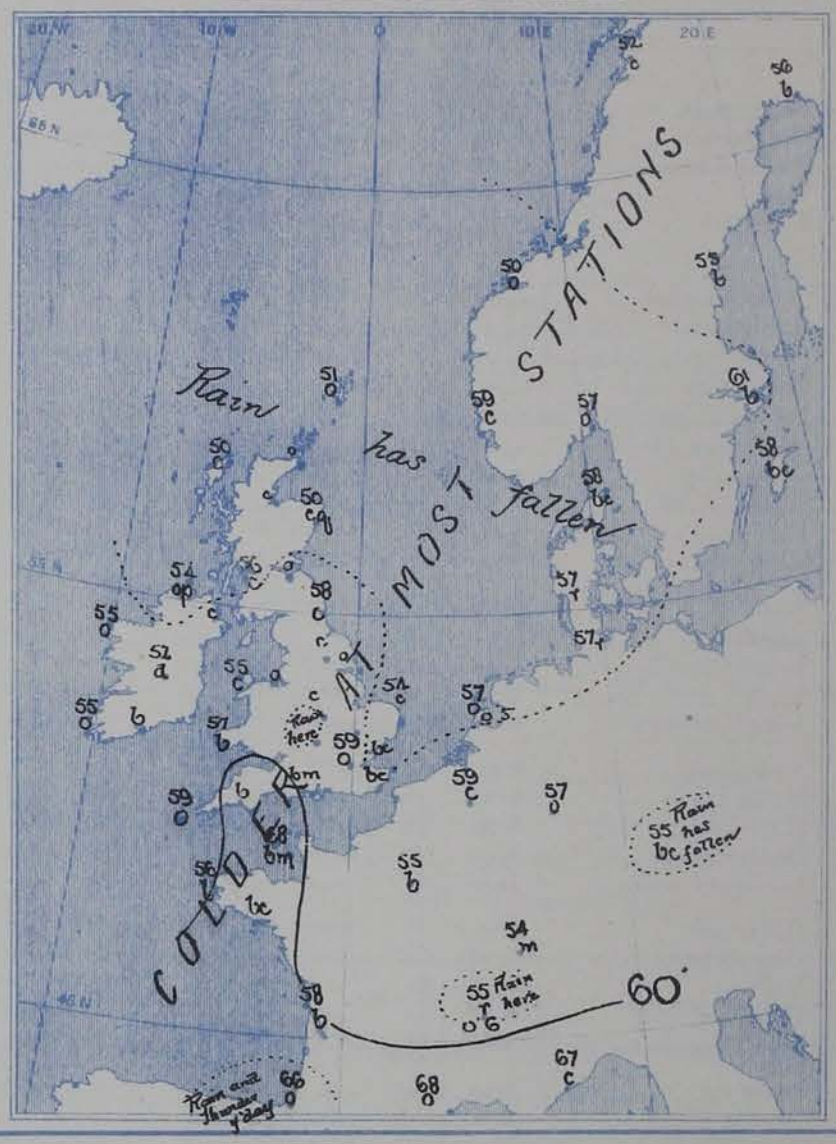



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m. | Means of Wet Bulb 8 a.m. | Means of Daily Maximum. | Means of Daily Minimum. | Absolute Extremes. Maximum. | Years. | Minimum. | Years. | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. Hours. | Per cent. of possible. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest, 30·2 ins: and more over Ireland, the southwest of England and Brittany, with the adjacent parts of the Atlantic, and exceeding 30·0 ins: all over the British Islands, France, South Germany, and the north of Italy.
Lowest, Below 29·5 ins: in a well marked depression over the south of Sweden.
Gradients rather steep for N. winds over the North Sea, slight over the United Kingdom, and very variable (anticyclonic) in direction over our southern Districts.
Barometer rising over all our western districts, falling over the North Sea and Baltic.

**TEMPERATURE**

Highest, 68° at Lisbon, Perpignan and Jersey, 67° at Nice, 64° at Thorshavn, 61° at Stockholm
Lowest, 50° at nearly all the Scotch stations and Christiansund, 54° at Malin Hd. & Belfast, 55° at Holyhead, Paris, and Munich.
The maxima recorded yesterday failed to reach 70° over our Islands as a whole, and did not touch 60° over Scotland and the north of Ireland. Paris and Munich however recorded 75°, Rochefort and Lisbon 81°, and Lyons 83°.

**WIND**

Calm over Ireland, NW., moderate to light over England, rather strong over the North Sea, W. and SW. over North Germany, SW. over the Baltic; Over the Bay of Biscay it is variable from the E.ward.

**WEATHER**

Unsettled over Denmark and the south of Scandinavia, with rain in some places; cloudy in the northeast of G.t Britain and west of Ireland, but fair generally elsewhere.
Rain has fallen generally over Scandinavia and Scotland, locally over Germany and the Netherlands, a heavy fall at Lyons, and some showers over the southeast of England, over most of our other districts the weather has been fair. Bright Sunshine recorded yesterday was — Scilly 8·2 hrs, Cambridge 8·1 hrs, York 7·0 hrs, Eastbourne 6 hrs, Aberdeen 3·7 hrs:

**SEA**

Moderate on our northeast, north, and northwest coasts – smooth on our other coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

# FORECASTS

*For the 24 hours ending at NOON on* 17th AUGUST 1896.

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|---|---|---|---|
| 0 SCOTLAND NORTH | NONE ISSUED. | 6 SCOTLAND WEST | NONE ISSUED. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W. | |
| 3 ENGLAND EAST | | 9 IRELAND NORTH | |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | | WARNINGS | NONE ISSUED. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.73 | 61 | 59 | SW | 6 | c | 1 | Valencia ... ... | 30.27 | 63 | 56 | N | 3 | bc | 3 |
| Sumburgh Head | 29.98 | 52 | 49 | N | 3 | o | 4 | Scilly ... ... | 30.15 | 61 | 58 | N | 4 | c | 2 |
| Stornoway ... ... | 30.16 | 54 | 51 | N | 3 | o | 3 | Jersey ... ... | 30.10 | 65 | 57 | NW | 5 | b | 4 |
| Aberdeen ... ... | 30.05 | 54 | 52 | NNW | 5 | cpq | 5 | Hurst Castle ... | 30.02 | 68 | 59 | NW | 4 | c | 2 |
| Shields ... ... | 30.01 | 59 | 55 | N | 4 | c | 4 | Dungeness ... | 29.96 | 64 | 56 | WNW | 3 | c | 2 |
| Ardrossan ... ... | 30.07 | 64 | 60 | NNW | 4 | bc | 3 | North Foreland | 29.96 | 63 | 55 | NW | 4 | o | 2 |
| Malin Head ... | 30.18 | 56 | 52 | NNW | 4 | o | 3 | London (Westminster) | 29.98 | 64 | 56 | NNW | 3 | bc | * |
| Belmullet ... ... | ? 30.28 | 58 | 57 | N | 2 | o | * | Yarmouth ... | 29.93 | 60 | 55 | NNW | 4 | cp | 3 |
| Holyhead ... ... | 30.13 | 59 | 56 | NNW | 6 | bc | 5 | Rochefort ... | 30.04 | 77 | 71 | NNW | 4 | c | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Monday 17th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29·81 | 55 | NE | 2 | c | 29·88 | + ·14 | 51 | 48 | − 5 | NNE | 4 | c | # | c | # | 68 | 48 | — |
| | Hernösand ... | 29·71 | 56 | N | 4 | o | 29·82 | + ·17 | 53 | 52 | − 2 | N | 6 | r | # | o | # | 63 | 43 | 0·75 |
| | Stockholm ... | 29·53 | 57 | E | 2 | bc | 29·63 | + ·14 | 51 | 55 | − 4 | NE | 4 | o | # | bc | # | 64 | 50 | 0·08 |
| | Wisby ... ... | 29·45 | 56 | WSW | 4 | c | 29·58 | + ·04 | 56 | 55 | − 2 | S | 4 | r | # | c | # | 66 | 50 | 0·39 |
| | Karlstad ... | 29·58 | 54 | ENE | 6 | o | 29·72 | + ·25 | 56 | 53 | + 3 | N | 4 | o | # | o | # | # | # | 0·04 |
| | Bodö ... ... | 29·93 | 50 | NE | 4 | b | 30·02 | + ·19 | 50 | 45 | − 2 | 2 | 0 | b | 0 | b | # | 54 | 45 | — |
| | Christiansund ... | 29·96 | 52 | ENE | 4 | c | 30·06 | + ·21 | 51 | 47 | + 1 | ENE | 5 | c | 3 | c | # | 54 | 48 | 0·08 |
| | Skudesnaes ... | 29·73 | 58 | NNW | 6 | b | 29·86 | + ·18 | 57 | 53 | − 2 | N | 2 | b | 1 | b | # | 59 | 48 | # |
| | Færder (Christiania Fjord) | 29·62 | 61 | N | 4 | c | 29·78 | + ·23 | 59 | 53 | + 2 | N | 6 | c | 3 | c | # | 61 | 57 | 0·04 |
| | Skagen (The Scaw) | 29·58 | 57 | NE | 3 | r | 29·74 | + ·19 | 58 | 54 | 0 | NNE | 4 | bc | 1 | r | # | 61 | 54 | 0·39 |
| | Fanö ... ... | 29·67 | 51 | NNW | 2 | b | 29·78 | + ·11 | 58 | 55 | + 1 | NNW | 4 | b | # | b | # | 61 | 50 | 0·08 |
| | Sumburgh Head | 30·10 | 53 | N | 4 | c | 30·01 | + ·08 | 51 | 48 | 0 | N | 1 | o | 3 | c | # | 57 | 45 | — |
| | Stornoway ... | 30·09 | 54 | SSE | 2 | c | 29·96 | − ·15 | 55 | 54 | + 5 | SSW | 4 | o | 4 | c | 5·1 | 59 | 47 | — |
| | Wick ... ... | 30·08 | 51 | NW | 3 | bc | 30·04 | − ·01 | 53 | 52 | + 3 | S | 2 | bc | 1 | bc | # | 57 | 37 | — |
| | Nairn ... ... | 30·08 | 55 | SE | 1 | b | 30·02 | − ·06 | 50 | 48 | 0 | 2 | 0 | bc | 1 | b | # | 59 | 36 | — |
| | Aberdeen ... | 30·08 | 54 | NW | 3 | bc | 30·07 | + ·01 | 54 | 49 | + 4 | SW | 1 | bcw | 1 | bc | 4·6 | 57 | 40 | — |
| British Islands | Leith ... ... | 30·06 | 62 | E | 3 | b | 30·06 | + ·01 | 54 | 51 | − 3 | W | 2 | bcm | # | b | # | 63 | 46 | — |
| | Shields ... ... | 30·08 | 54 | N | 3 | b | 30·11 | + ·06 | 51 | 49 | − 7 | W | 2 | m | 3 | p, b | # | 59 | 44 | — |
| | Spurn Head ... | 30·07 | 56 | NNW | 4 | bc | 30·12 | + ·06 | 53 | 52 | + 1 | WNW | 2 | b | 4 | bc, v | # | 62 | 51 | — |
| | York ... ... | 30·09 | 58 | N | 2 | b | 30·14 | + ·10 | 53 | 50 | − 3 | SSW | 1 | c | # | b | 5·5 | 61 | 45 | — |
| | Loughborough ... | 30·10 | 62 | WNW | 4 | bc | 30·16 | + ·03 | 50 | 49 | − 6 | 2 | 0 | cmw | # | e, bc, bm | # | 66 | 42 | — |
| | Ardrossan ... | 30·07 | 59 | W | 4 | b | 30·03 | − ·07 | 56 | 54 | 0 | E | 1 | o | 1 | b | # | 63 | 48 | — |
| | Malin Head ... | | | | | | | | | | | | | | | | # | | | |
| | Belmullet ... | 30·16 | 58 | SSW | 2 | o | 29·91 | − ·34 | 58 | 56 | + 3 | S | 5 | o | # | o | # | 60 | 52 | — |
| | Donaghadee ... | 30·14 | 58 | WNW | 3 | o | 30·07 | − ·10 | 56 | 55 | 0 | SSW | 4 | c | 2 | o | # | 61 | 49 | — |
| | Liverpool (Bidston) | 30·13 | 57 | WNW | 3 | b | 30·12 | − ·01 | 60 | 54 | + 3 | 2 | 0 | bc | 1 | b | # | 61 | 52 | — |
| | Holyhead ... | 30·16 | 58 | WNW | 3 | c | 30·12 | − ·07 | 58 | 55 | + 3 | SSW | 2 | c | 1 | c | # | 61 | 53 | — |
| | Parsonstown ... | 30·17 | 58 | 2 | 0 | o | 30·04 | − ·21 | 58 | 54 | + 6 | SE | 1 | o | # | o | 0·7 | 61 | ? | — |
| | Valencia ... | 30·17 | 59 | SSE | 2 | o | 29·99 | − ·28 | 58 | 57 | + 3 | SSE | 3 | rm | 9 | o | 1·1 | 62 | 54 | 0·03 |
| | Roche's Point ... | 30·20 | 60 | SSW | 2 | c | 30·07 | − ·22 | 61 | 57 | + 6 | SSW | 4 | or | 3 | c | # | 63 | 55 | — |
| | Pembroke (St. Ann's Hd.) | 30·21 | 57 | NW | 3 | b | 30·14 | − ·08 | 59 | 55 | + 2 | S | 2 | b | 2 | b | 11·9 | 59 | 52 | — |
| | Scilly ... ... | 30·20 | 62 | NNW | 1 | bc | 30·18 | − ·09 | 64 | 59 | + 5 | S | 2 | c | 0 | bc | 6·4 | 65 | 56 | — |
| | Prawle Point ... | 30·14 | 63 | WSW | 4 | bc | 30·14 | − ·06 | 65 | 58 | + 1 | SW | 2 | b | 1 | bc | # | 66 | 49 | — |
| | Jersey (St. Aubin's) | 30·16 | 65 | NW | 3 | bm | 30·16 | − ·04 | 62 | 56 | − 6 | WNW | 3 | bc | 3 | b | # | 69 | 53 | — |
| | Hurst Castle ... | 30·10 | 68 | WNW | 3 | b | 30·15 | − ·03 | 59 | 56 | − 1 | NE | 1 | cm | 1 | c | # | 69 | 52 | — |
| | Dungeness ... | 30·03 | 64 | WSW | 5 | bc | 30·14 | + ·02 | 57 | 53 | − 2 | NNW | 2 | bc | 1 | bc | # | 67 | 47 | — |
| | North Foreland | 30·04 | 60 | NW | 2 | c | 30·16 | + ·03 | 58 | 54 | − 1 | NW | 2 | bc | 2 | bc, c | # | 68 | 53 | — |
| | London (Brixton) ... | 30·05 | 67 | W | 2 | bv | 30·07 | + ·05 | 57 | 52 | − 2 | SE | 1 | c | # | bc, bv | 9·0 | 73 | 46 | — |
| | Oxford ... ... | 30·12 | 59 | NNW | 3 | b | 30·16 | − ·01 | 55 | 52 | − 2 | 2 | 0 | o | # | b | # | 70 | 46 | — |
| | Cambridge ... | 30·06 | 65 | NW | 1 | o | 30·16 | + ·03 | 56 | 51 | − 2 | NW | 1 | b | # | o | 7·6 | 71 | 44 | — |
| | Yarmouth ... | 30·03 | 60 | NW | 2 | cg | 30·10 | + ·04 | 57 | 52 | + 3 | NNW | 3 | bc | 3 | cg | # | 62 | 47 | 0·01 |
| Germany & Holland. | Cuxhaven ... | 29·78 | 58 | WNW | 5 | bc | 29·78 | + ·06 | 58 | 57 | + 1 | N | 3 | c | # | bc, r | # | 63 | 50 | 0·28 |
| | Berlin ... ... | 29·86 | 56 | W | 4 | c | 29·82 | | 54 | 52 | | W | 3 | o | # | c | # | 66 | 52 | 0·12 |
| | Wiesbaden ... | * | * | * | * | * | 30·06 | + ·04 | 56 | 53 | − 1 | W | 3 | b | # | * | # | 64 | 54 | 0·04 |
| | Munich ... .. | 30·11 | 55 | W | 2 | b | 30·11 | + ·01 | 55 | 51 | 0 | W | 6 | o | # | b | # | 64 | 52 | — |
| | The Helder ... | 29·95 | 67 | NW | 6 | bc | 30·01 | + ·04 | 59 | 55 | + 2 | NW | 6 | c | 2 | bc | # | 59 | 55 | 0·16 |
| Belgium. | Brussels ... | * | * | * | * | * | | | | | | | | | * | | # | | | |
| | Cape Gris Nez ... | 30·02 | 64 | WNW | 5 | c | 30·08 | − ·01 | 60 | 57 | + 2 | NE | 1 | bc | 1 | c | # | 64 | 57 | — |
| | Paris ... ... | 30·11 | 67 | SW | 2 | c | 30·11 | − ·06 | 55 | 53 | 0 | S | 1 | b | # | c | # | 73 | 47 | — |
| | Brest ... ... | 30·17 | 64 | N | 2 | b | 30·15 | − ·09 | 56 | 55 | 0 | ENE | 1 | c | 1 | b | # | 66 | 48 | — |
| | Lorient ... ... | 30·17 | 66 | NW | 4 | b | 30·15 | − ·02 | 55 | 54 | − 6 | ENE | 2 | c | 2 | b | # | 75 | 48 | — |
| France & | Rochefort ... | 30·12 | 68 | NW | 5 | b | 30·16 | + ·01 | 60 | 58 | + 2 | ENE | 3 | b | # | b | # | 82 | 55 | — |
| | Belfort ... ... | 30·02 | 66 | W | 3 | b | 30·13 | + ·06 | 51 | 49 | − 3 | 2 | 0 | m | # | b | # | 71 | 44 | — |
| | Lyons ... ... | 30·06 | 65 | N | 1 | b | 30·12 | + ·02 | 58 | 52 | + 3 | NNW | 1 | b | # | b | # | 69 | 52 | — |
| | Nice ... ... | 29·91 | 67 | SE | 4 | c | 29·92 | ·00 | 66 | 64 | − 1 | 2 | 0 | b | 1 | c | # | 75 | 61 | — |
| | Perpignan ... | 29·99 | 75 | NW | 3 | c | 30·03 | + ·02 | 70 | 68 | + 2 | NW | 2 | b | # | c | # | 81 | 59 | — |
| | Biarritz ... | 30·10 | 69 | N | 5 | bc | 30·12 | + ·10 | 69 | 59 | − 3 | SSW | 3 | b | 2 | bc | # | 72 | 59 | — |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | | | # | | | |
| | Lisbon ... ... | 29·99 | 72 | NNW | 3 | b | 29·99 | − ·02 | 72 | 62 | + 4 | N | 2 | b | # | b | # | 81 | 64 | — |
| | Azores (P. Delgada) | 30·21 | 72 | SSE | 3 | bc | 30·16 | − ·08 | 70 | 66 | − 2 | SSE | 4 | c | 2 | bc | # | 77 | 68 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday* Southport 6·8 hrs; Eastbourne 11·5 hrs; Hastings (St Leonards) 11·3 hrs

# WEATHER CHARTS

FOR MONDAY, 17TH AUGUST, 1896.

## BAROMETER, WIND AND SEA.

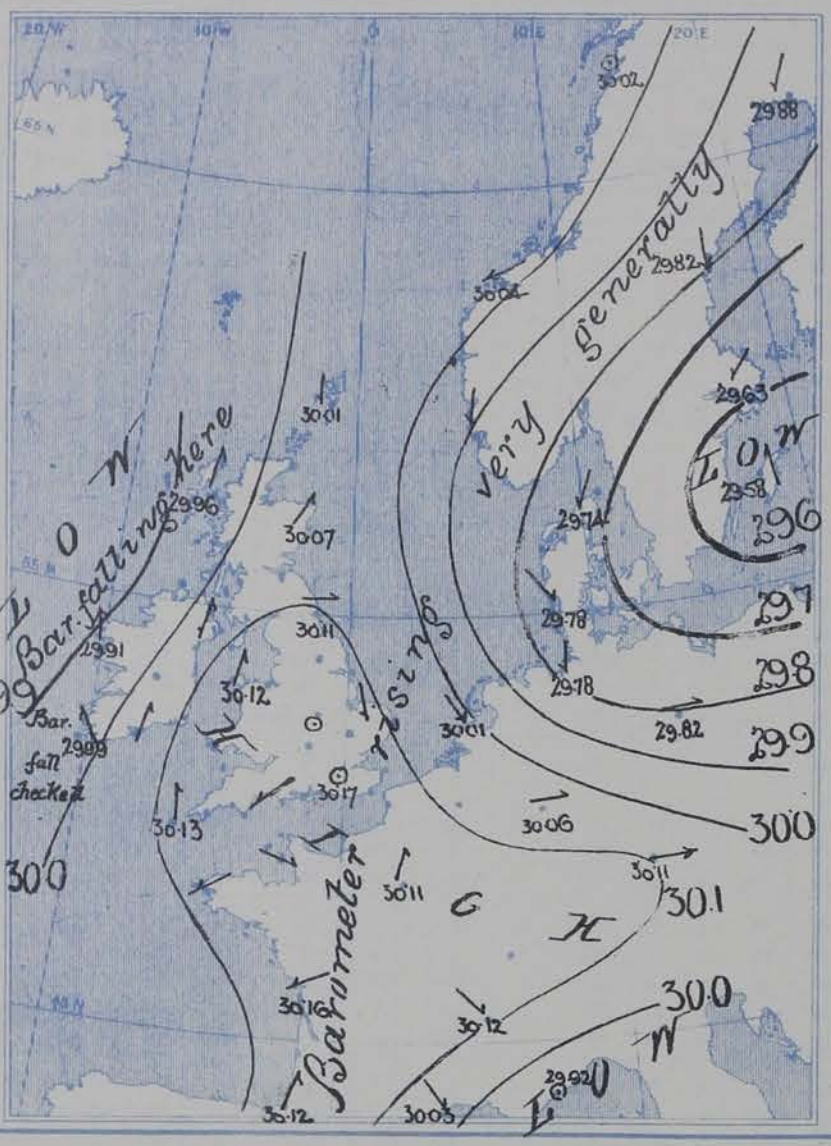
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

*Force above 10* ⟫⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙

*Force 8 to 10* ⟩⟶ ; *Force 1 to 4* ⟶ ; }

*SEA*—*Rough* ≡ ; *High* ▬




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m. | Means of Wet Bulb 8 a.m. | Means of Daily Maximum. | Means of Daily Minimum. | Absolute Extremes. Maximum | Years. | Minimum. | Years. | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. Hours. | Per cent. of possible. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 89 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·8 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·929 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.1 ins. and more to 30.0 ins. in an anticyclonic system covering France, Belgium & Gt. Britain
Lowest (1) Below 29.6 ins. and less in a depression over the Baltic; (2) below 29.9 ins. off our NW. coasts.
Gradients very slight over France and Great Britain, moderate for S. winds and increasing over Ireland and off the west of Scotland.
Barometer falling rather decidedly off our NW. coasts, rising in the east and southeast.

**TEMPERATURE**

Highest 70° at Perpignan, 66° at Nice, 60° at Rochefort; 65° at Prawle Pt; 62° at Jersey.
Lowest 50° at Bodö, Nairn and Loughborough, 51° at Shields, Cumbrgh Hd, Haparanda & Belfst.
The highest of the maxima recorded yesterday were – 81° at Perpignan, 75° at Paris and in London, 69° at Jersey, and 67° at York. The shade minima in the night were as low as 36° at Nairn, 37° at Wick, 42° at Loughborough, 46° in London.

**WIND**

(1) Very light and anticyclonic over France and Gt. Britain; (2) N. moderate to fresh, on the eastern shores of the North Sea, NW. strong at the Helder; (3) S. on our western coasts generally and fresh to moderate at the Irish stations.
The S. wind in the west appeared to be spreading eastwards.

**WEATHER**

Fine generally over France, the North Sea and Gt. Britain, very dull at our western stations, with rain in the south of Ireland.
A good deal of rain has fallen over Germany, the Baltic and Sweden, and a small quantity at Valencia (Ireland). Bright Sunshine recorded yesterday was – More than 11 hrs. at Pembroke, Eastbourne and Hastings, 9 hrs. in London, 7.6 hrs. at Cambridge, 5.5 hrs. at York.

**SEA**

Moderate in the far east, slight to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The S. breeze in the west will probably spread E.wds over the Kingdom, but does not seem to be a well established current.

# FORECASTS

*For the 24 hours ending at NOON on* 18TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | S. winds; showery, changeable. |
| 1 | SCOTLAND EAST | W. to S. breezes; fair, warm. |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | S. breezes, light; fine, warm, hazy today; possibly less fair tomorrow. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | Same as No. 0. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | S. winds; showery, then NW. and finer. |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS:

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.68 | 57 | 55 | NNW | 6 | c | 2 |
| Sumburgh Head | | | | | | | |
| Stornoway ... ... | 30.12 | 58 | 54 | E | 2 | c | 2 |
| Aberdeen ... ... | | | | | | | |
| Shields ... ... | | | | | | | |
| Ardrossan ... ... | | | | | | | |
| Malin Head ... | 30.16 | 55 | 53 | WNW | 3 | 0 | 2 |
| Belmullet ... ... | 30.19 | 59 | 53 | SW | 1 | 0 | * |
| Holyhead ... ... | | | | | | | |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | | | | | | | |
| Scilly ... ... | | | | | | | |
| Jersey ... ... | 30.18 | 68 | 59 | WNW | 3 | b | 3 |
| Hurst Castle ... | | | | | | | |
| Dungeness ... | 30.07 | 65 | 60 | WSW | 5 | c | 4 |
| North Foreland | | | | | | | |
| London (Westminster) | | | | | | | * |
| Yarmouth ... | | | | | | | |
| Rochefort ... | 30.15 | 80 | 68 | NE | 4 | b | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

*Continental information not received.*

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 9TH TO 15TH AUG. 1896.

The weather prevalent over the United Kingdom during this week has been somewhat variable — especially over the N^rn and NW^rn parts of the Kingdom.

At the commencement of the week there were heavy thundery showers over the southern and eastern part of England and the Channel, due to shallow disturbances which were developed over France and the Netherlands, while in the north the weather was comparatively fair. After Monday, however anticyclonic conditions were more general over England and Ireland, but the northern stations began to receive more rain.

From Wednesday to Friday complex disturbances were passing over us from W. to E., affecting all districts to some extent, but especially the northern and eastern parts, where considerable quantities of rain fell, and there were some sharp thunderstorms.

Temperature was rather low and unsteady, but towards the end of the week it began to rise again over England, and the maximum exceeded 70° in several localities.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky ; c. detached clouds ; d. drizzling rain ; f. fog ; g. dark, gloomy ; h. hail ; l. lightning ; m. misty (hazy) ; o. overcast ; p. passing showers ; q. squally ; r. rain ; s. snow ; t. thunder ; u. ugly, threatening ; v. visibility, unusual transparency ; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France ; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS : For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „

# DAILY WEATHER REPORT

*for 8 a.m. on* Tuesday 18th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L. | Temp. Dry Bulb. | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L. | Barometer. Change since Yesterday. | Temperature. Dry Bulb. | Temperature. Wet Bulb. | Temperature. Change since Yesterday. | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Weather. | Hours of Bright Sunshine. | Temp. Max. | Temp. Min. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29·97 | 50 | 2 | 0 | b | 30·08 | + ·20 | 55 | 54 | + 4 | NE | 2 | b | * | b | * | 66 | 48 | — |
| | Hernösand ... | 29·98 | 54 | 2 | 0 | b | 30·08 | + ·26 | 56 | 53 | + 3 | N | 2 | b | * | b | * | 68 | 52 | 0·12 |
| | Stockholm ... | 29·96 | 58 | NW | 4 | b | 29·98 | + ·35 | 57 | 55 | 0 | N | 1 | o | * | o | * | 64 | 52 | 0·28 |
| | Wisby ... ... | 29·84 | 54 | S | 4 | b | 29·93 | + ·35 | 59 | 55 | + 3 | E | 4 | b | * | b | * | 63 | 50 | 0·08 |
| | Karlstad ... | 29·93 | 57 | NE | 4 | bc | 30·02 | + ·30 | 57 | 53 | + 1 | NE | 4 | b | * | bc, r | * | * | * | — |
| | Bodö ... | 30·09 | 50 | 2 | 0 | bc | 30·06 | + ·04 | 53 | 49 | + 3 | E | 2 | b | 1 | bc | * | 61 | 43 | — |
| | Christiansund ... | 29·98 | 54 | ENE | 3 | b | 29·92 | — ·12 | 56 | 51 | + 5 | S | 4 | b | 3 | b | * | 56 | 48 | — |
| | Skudesnaes ... | 29·96 | 58 | NW | 4 | b | 29·99 | + ·13 | 58 | 53 | + 1 | SSE | 6 | c | 3 | b | * | 61 | 48 | * |
| | Færder (Christiania Fjord) | 29·93 | 64 | NNE | 1 | bc | 30·04 | + ·26 | 57 | 55 | — 2 | N | 1 | b | 1 | bc | * | 64 | 55 | — |
| | Skagen (The Scaw) | 29·93 | 62 | N | 3 | bc | 30·03 | + ·29 | 60 | 56 | + 2 | E | 1 | bc | 0 | bc | * | 68 | 55 | — |
| | Fanö ... ... | 29·97 | 56 | NW | 2 | b | 30·02 | + ·24 | 58 | 55 | 0 | NW | 4 | c | * | b | * | 66 | 52 | — |
| British Islands. | Sumburgh Head | 29·92 | 51 | SE | 2 | o | 29·67 | — ·34 | 55 | 54 | + 4 | SW | 4 | c | 4 | o | * | 55 | 47 | 0·18 |
| | Stornoway ... | 29·73 | 57 | S | 4 | r | 29·71 | — ·25 | 54 | 53 | — 1 | W | 3 | c | 3 | c, r | 2·3 | 60 | 52 | 0·52 |
| | Wick ... ... | 29·84 | 55 | S | 5 | c | 29·77 | — ·27 | 57 | 56 | + 4 | WNW | 5 | o | 4 | c | * | 59 | 50 | 0·10 |
| | Nairn ... ... | 29·80 | 60 | SW | 2 | c | 29·78 | — ·24 | 57 | 54 | + 7 | W | 1 | bc | 1 | c | * | 64 | 46 | 0·15 |
| | Aberdeen ... | 29·93 | 54 | SSE | 4 | cq | 29·83 | — ·24 | 61 | 54 | + 7 | W | 2 | b | 2 | c, cq | 5·3 | 62 | 51 | 0·10 |
| | Leith ... ... | 29·92 | 62 | SSW | 1 | o | 29·86 | — ·20 | 57 | 54 | + 3 | WSW | 3 | o | * | o | * | 64 | 52 | 0·14 |
| | Shields ... ... | 29·99 | 58 | SE | 2 | c | 29·91 | — ·20 | 62 | 57 | + 11 | SW | 3 | bc | 3 | o, c, r | * | 63 | 49 | 0·06 |
| | Spurn Head ... | 30·03 | 60 | SE | 5 | c | 29·95 | — ·17 | 60 | 59 | + 3 | WSW | 3 | o | 3 | c, r | * | 64 | 55 | 0·08 |
| | York ... ... | 30·01 | 67 | S | 3 | bc | 29·94 | — ·20 | 61 | 57 | + 8 | W | 2 | b | * | bc | 4·6 | 68 | 52 | 0·07 |
| | Loughborough ... | 30·04 | 68 | SW | 1 | bc | 29·99 | — ·17 | 58 | 56 | + 8 | WSW | 2 | o | * | c, bc, op | * | 71 | 50 | 0·13 |
| | Ardrossan ... | 29·88 | 58 | SE | 4 | r | 29·88 | — ·15 | 57 | 56 | + 1 | SW | 3 | op | 2 | c, r | * | 61 | 54 | 0·25 |
| | Malin Head ... | 29·67 | 57 | SSE | 6 | o | 29·88 | — ·10 | 56 | 53 | + 1 | WSW | 4 | bp | 3 | o | * | 61 | 53 | 0·17 |
| | Belmullet ... | 29·82 | 57 | NW | 4 | c | 29·91 | ·00 | 58 | 55 | 0 | SW | 3 | bc | * | or, c | * | 59 | 56 | 0·38 |
| | Donaghadee ... | 29·87 | 57 | S | 6 | r | 29·96 | — ·11 | 57 | 56 | + 1 | WSW | 5 | bc | 3 | r | * | 61 | 51 | 0·20 |
| | Liverpool (Bidston) | 30·00 | 63 | W | 1 | o | 29·99 | — ·13 | 60 | 55 | 0 | W | 3 | o | 2 | bc, op | * | 68 | 55 | 0·06 |
| | Holyhead ... | 29·98 | 57 | S | 6 | rmqw | 30·01 | — ·11 | 60 | 58 | + 2 | W | 3 | bc | 2 | gm, rgmq | * | 63 | 54 | 0·28 |
| | Parsonstown ... | 29·83 | 59 | SE | 3 | o | 30·03 | — ·01 | 56 | 53 | — 2 | S | 1 | q | * | o, rq | 0·1 | 61 | 49 | 0·12 |
| | Valencia ... | 29·94 | 58 | NW | 4 | c | 30·09 | + ·10 | 59 | 56 | + 1 | WSW | 3 | c | 3 | rm, c | 0·8 | 62 | 53 | 0·79 |
| | Roche's Point .. | 29·94 | 61 | SSW | 6 | r | 30·08 | + ·01 | 59 | 56 | — 2 | NW | 3 | bc | 3 | r | * | 62 | 50 | 0·25 |
| | Pembroke (St. Ann's Hd.) | 30·11 | 59 | WSW | 4 | r | 30·03 | — ·11 | 58 | 56 | — 1 | WSW | 4 | o | 4 | r | 3·5 | 61 | 55 | 0·18 |
| | Scilly ... ... | 30·08 | 64 | SSW | 4 | c | 30·05 | — ·08 | 60 | 57 | — 4 | N | 3 | c | 3 | c | 4·3 | 71 | 57 | 0·03 |
| | Prawle Point ... | 30·09 | 61 | WSW | 4 | bc | 30·03 | — ·11 | 59 | 58 | — 6 | SW | 4 | rf | 3 | bc, rm | * | 63 | 56 | 0·12 |
| | Jersey (St. Aubin's) | 30·15 | 64 | NW | 3 | b | 30·09 | — ·07 | 63 | 60 | + 1 | W | 1 | om | 1 | bc, b.p | * | 67 | 58 | 0·02 |
| | Hurst Castle ... | 30·10 | 65 | SW | 2 | c | 30·05 | — ·10 | 59 | 57 | 0 | SW | 3 | pd | 3 | c | * | 70 | 57 | 0·03 |
| | Dungeness ... | 30·10 | 62 | SSE | 2 | b | 30·03 | — ·11 | 61 | 58 | + 4 | WSW | 3 | op | 2 | b | * | 65 | 57 | — |
| | North Foreland | 30·13 | 60 | SE | 2 | bc | 30·04 | — ·12 | 59 | 57 | + 1 | SW | 2 | o | 2 | bc | * | 62 | 56 | — |
| | London (Brixton) ... | 30·07 | 66 | SSW | 2 | bc | 30·04 | — ·13 | 58 | 57 | + 1 | WSW | 1 | or | * | bc, o | 5·5 | 73 | 55 | 0·12 |
| | Oxford ... ... | 30·06 | 64 | SSE | 3 | o | 30·02 | — ·14 | 57 | 56 | + 2 | S | 2 | op | * | bc, op | * | 73 | 54 | 0·09 |
| | Cambridge ... | 30·07 | 69 | SSW | 1 | c | 30·02 | — ·14 | 57 | 56 | + 1 | SW | 2 | d | * | c | 9·1 | 72 | 53 | 0·12 |
| | Yarmouth ... | 30·10 | 60 | SE | 3 | b | 30·02 | — ·08 | 59 | 56 | + 2 | WSW | 2 | cm | 2 | b | * | 69 | 55 | — |
| Germany & Holland. | Cuxhaven ... | 29·94 | 60 | NW | 4 | c | 30·01 | + ·23 | 57 | 57 | — 1 | NW | 3 | r | * | c, r | * | 63 | 55 | 0·12 |
| | Berlin ... ... | 29·88 | 58 | W | 4 | c | 29·96 | + ·14 | 55 | 53 | + 1 | WNW | 4 | r | * | c | * | 61 | 54 | 0·28 |
| | Wiesbaden ... | * | * | * | * | * | 30·14 | + ·08 | 52 | 50 | — 4 | NW | 1 | bc | * | * | * | 66 | 46 | — |
| | Munich ... .. | 30·16 | 53 | SW | 2 | b | 30·17 | + ·06 | 55 | 51 | 0 | W | 3 | b | * | b | * | 63 | 46 | 0·04 |
| | The Helder ... | 30·10 | 58 | NW | 2 | c | 30·06 | + ·05 | 56 | 54 | — 3 | S | 1 | o | 1 | c | * | 61 | 46 | — |
| Belgium. | Brussels ... | * | * | * | * | * | 30·09 | | 56 | 53 | | SE | 1 | o | * | c | * | 67 | 47 | — |
| | Cape Gris Nez ... | 30·08 | 59 | E | 1 | bc | 30·03 | — ·05 | 61 | 59 | + 1 | W | 2 | o | 2 | bc | * | 66 | 55 | — |
| | Paris ... ... | 30·11 | 66 | NE | 1 | b | 30·11 | ·00 | 57 | 54 | + 2 | ESE | 1 | c | * | b | * | 73 | 48 | — |
| | Brest ... ... | 30·12 | 66 | NW | 1 | b | 30·12 | — ·03 | 59 | 56 | + 3 | E | 0 | o | 1 | b | * | 70 | 52 | — |
| | Lorient ... | 30·16 | ? | WSW | 2 | bc | 30·17 | + ·02 | ? | ? | ? | E | 0 | b | 1 | bc | * | 75 | 52 | — |
| France & | Rochefort ... | 30·13 | 70 | NW | 4 | b | 30·10 | — ·06 | 60 | 57 | 0 | E | 3 | b | * | b | * | 81 | 54 | — |
| | Belfort ... ... | 30·06 | 63 | W | 3 | bc | 30·13 | ·00 | 51 | 50 | 0 | E | 0 | m | * | bc | * | 69 | 46 | — |
| | † Lyons ... ... | 30·10 | 66 | N | 1 | b | 30·13 | + ·01 | 59 | 53 | + 1 | N | 1 | b | * | b | * | 70 | 53 | — |
| | Nice ... ... | 29·91 | 67 | E | 0 | bc | 29·96 | + ·04 | 70 | 62 | + 4 | E | 0 | b | 0 | bc | * | 79 | 63 | — |
| | Perpignan ... | 30·03 | 76 | N | 3 | bc | 30·06 | + ·03 | 65 | 58 | — 5 | SW | 2 | b | * | bc | * | 83 | 57 | — |
| | Biarritz ... | 30·08 | 70 | NNE | 4 | b | 30·05 | — ·07 | 61 | 57 | — 2 | ESE | 2 | b | 1 | b | * | 73 | 55 | — |
| Penin-sula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30·02 | 75 | N | 3 | b | 30·03 | + ·04 | 72 | 64 | 0 | E | 2 | o | * | b | * | 90 | 66 | — |
| | Azores (P. Delgada) | 30·19 | 72 | SE | 2 | o | 30·21 | + ·05 | 69 | 66 | — 1 | NE | 2 | c | 2 | o | * | 79 | 66 | — |

*For Explanation of Columns, see bottom of last page.*

† *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 2·2 hrs: Eastbourne 10·8 hrs: Hastings (St Leonards) 9·5 hrs.*

# WEATHER CHARTS

FOR TUESDAY, 18TH AUGUST, 1896.

## BAROMETER, WIND AND SEA.

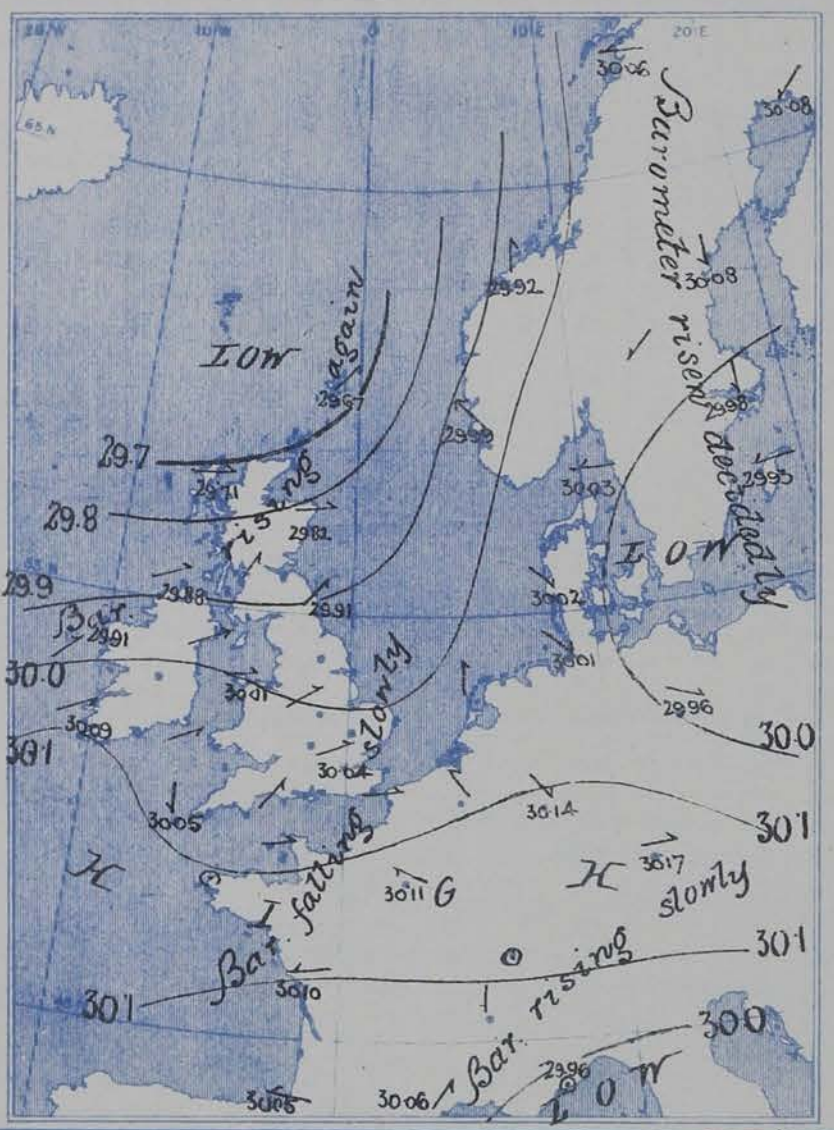
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟫⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ▒ ; High ▓




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means. 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest (1) 30.1 ins. and more over the Bay of Biscay and in a band stretching thence across central France to S. Germany (2) above 30.0 ins. over the Netherlands, Denmark and the greater part of Scandinavia
Lowest 29.7 ins. and less in a depression lying off our extreme N.W. coasts (The depression of yesterday morning had disappeared)
Gradients moderate and variable, mainly favourable for W. and SW. winds in our Islands.
Barometer rising (after a sharp fall) in the north and northwest, falling in the south & southeast

**TEMPERATURE**

Highest 72° at Lisbon, 70° at Nice, 62° at Sheilds, 60° at Rochefort, 59° at Prawle Pt. & Hurst Castle.
Lowest (1) 51° at Belfort, 52° at Wiesbaden; (2) 53° at Bodo, 54° at Stornoway, 55° at Haparanda and Turnberry Head.
The maxima recorded yesterday were as high as 71° at Loughborough, 73° in London and at Paris, 75° at Lorient, and 83° at Perpignan. A decided fall has occurred since then.

**WIND**

SW. and W., moderate to fresh, on our NW. and N. coasts, S. strong, in the west of Norway, E., light over Lapland and Finmark.
SW. to S. over the southeast and south of England, NW. at Scilly. In the west of Ireland it was NW. last evening, but has since backed quickly to SW. again.

**WEATHER**

Fine over all the northern parts of our Islands, dull and very rainy in the south; fair over central France, clear in the far south.
A good deal of rain has fallen in almost all parts of our Islands, especially in the W. and N. The largest amounts reported are 0.8 in. at Valencia, 0.5 in. at Stornoway.
Bright Sunshine yesterday was Eastbourne 10.8 hrs, Hastings 9.5 hrs, Cambridge 9.1 hrs. London 5.5 hrs & Aberdeen 5.3 hrs.

**SEA**

Moderate in the north and at Pembroke, slight to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general condition of the weather is now very changeable — Showers, alternating with brief intervals of fair weather, are probable.

# FORECASTS

*For the 24 hours ending at NOON on* 19TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| ▼ | SCOTLAND NORTH | W. to SW. or S. winds, changeable, |
| 1 | SCOTLAND EAST | fair to showery |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | SW. winds and showers, then |
| 4 | MIDLAND COUNTIES | NW., finer, brighter, cooler. |
| 5 | ENGLAND SOUTH | |
| ▼ | 6 SCOTLAND WEST | |
| ▼ | 7 ENGLAND N.W. | Wind backing to S. again, |
| 8 | ENGLAND S.W. | and increasing; weather |
| ▼ | 9 IRELAND NORTH | changeable and showery. |
| ▼ | 10 IRELAND SOUTH | |
| | WARNINGS | The South Cone was hoisted yesterday afternoon in districts 0, 6, 7, 9 and 10. |

*Note* —The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.98 | 61 | 55 | NNW | 6 | b | 2 |
| Sumburgh Head | 29.99 | 53 | 49 | SE | 1 | o | 3 |
| Stornoway .. .. | 29.87 | 59 | 56 | S | 4 | c | 4 |
| Aberdeen ... ... | 30.00 | 57 | 52 | SSE | 3 | bc | 2 |
| Shields ... ... | 30.05 | 59 | 56 | NE | 2 | o | 3 |
| Ardrossan ... ... | 29.95 | 60 | 58 | S | 3 | c | 3 |
| Malin Head ... | 29.89 | 58 | 56 | S | 5 | or | 2 |
| Belmullet ... ... | 29.71 | 59 | 58 | S | 8 | or | * |
| Holyhead ... ... | 30.07 | 60 | 57 | SSW | 3 | ogm | 2 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 29.88 | 60 | 59 | SSE | 5 | rm | 5 |
| Scilly ... ... | 30.11 | 69 | 60 | SW | 4 | c | 1 |
| Jersey ... ... | 30.17 | 65 | 58 | W | 3 | bc | 3 |
| Hurst Castle ... | | | | | | | |
| Dungeness ... | 30.14 | 64 | 57 | S | 2 | b | 1 |
| North Foreland | 30.17 | 61 | 54 | NE | 2 | bc | 2 |
| London (Westminster) | 30.11 | 72 | 59 | W | 2 | bc | * |
| Yarmouth ... | 30.12 | 63 | 56 | NNE | 3 | b | 3 |
| Rochefort ... | | | | | | | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine over Spain, France and nearly the whole of Gt. Britain, as well as in the W. of Norway and extreme N. of Russia; fine over SE^n. Europe also. Overcast, rainy and very unsettled over the Baltic, W^n. Russia and several parts of Germany; dull and unsettled looking over Ireland and the W. of Scotland. Rain falling later in many parts of N^n. and central Europe, and still more generally over the British Islands; largest amounts reported 0.8 in. at Valencia, 0.4 in. at Belmullet, 0.5 in. at Stornoway.

Temperature changing irregularly over the W^n., and decreasing steadily over the central countries. Morning readings highest 83° at Brindisi and at Madrid, and exceeding 70° over most parts of S^n., SW^n. and SE^n. Europe; 65° at Prawle Pt.; 63° at Nicolaieff and Kharkov, 62° at Moscow. Lowest (1) 50° at Archangel and Bodö, 51° at Haparanda and Sumburgh H^d.; (2) 50° at Loughrea, 51° at Shields (3) 49° at Limoges, 50° at Le Mans, 51° at Belfort. Rising later to between 70° and 73° in many parts of England to 73° at Paris, and 83° at Perpignan.

Wind light and anticyclonic (1) over France and Gt. Britain, (2) off the NW. of Norway; light and very variable over the Mediterranean and SE^n. Europe. Moderate to fresh and cyclonic from SW. in north Germany, and moderate from NE and N. over Sweden and Finland. S^ly on all the W^n. coasts of the British Islands, and freshening considerably at the Irish stations. Becoming strong to a gale from the S^wd. on our west coasts later, but subsequently shifting to NW. again at Belmullet and Valencia.

Barometer highest 30.1 ins and more to 30.0 in over nearly the whole of W^n. Europe and exceeding 30.0 ins. over the SE. of Russia also. Lowest 29.6 ins. and less to 29.7 ins. in a complex depression over the Baltic and Baltic provinces, and below 29.9 ins. off our own NW. coasts. Falling fast at our extreme W^n. stations later, rising over the Baltic.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „

# DAILY WEATHER REPORT

*for 8 a.m. on* Wednesday 19th August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | Weather | Barometer. | | Temperature. | | | Wind. | | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Temp. | | Rainfall. |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | | | | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | | | | | | | | | | | | | | # | | # | | | |
| | Hernösand ... | | | | | | | | | | | | | | # | | # | | | |
| | Stockholm ... | | | | | | | | | | | | | | # | | # | | | |
| | Wisby ... ... | | | | | | | | | | | | | | # | | # | | | |
| | Karlstad ... | | | | | | | | | | | | | | # | | # | # | # | |
| | Bodö ... ... | 30·02 | 59 | 7 | 0 | b | 30·02 | —·04 | 59 | 53 | + 6 | E | 2 | bc | 1 | b | # | 64 | 50 | — |
| | Christiansund ... | 29·97 | 57 | NNW | 2 | bc | 29·93 | + ·01 | 57 | 53 | + 1 | E | 2 | bc | 1 | bc | # | 61 | 52 | — |
| | Skudesnaes ... | 29·95 | 59 | SSE | 8 | o | 29·89 | — ·10 | 60 | 56 | + 2 | SSE | 4 | o | 4 | o | # | 60 | 48 | # |
| | Færder (Christiania Fjord) | 30·03 | 62 | WNW | 1 | o | 30·01 | — ·03 | 60 | 59 | + 3 | ENE | 2 | o | 1 | o | # | 63 | 60 | — |
| | Skagen (The Scaw) | 30·04 | 59 | NE | 1 | c | 29·99 | —·04 | 63 | 59 | + 3 | SE | 1 | o | 0 | c | # | 66 | 54 | — |
| | Fanö ... ... | 30·00 | 55 | 7 | 0 | c | 29·92 | — ·10 | 55 | 53 | — 3 | E | 4 | c | # | c | # | 64 | 55 | — |
| British Islands. | Sumburgh Head | 29·79 | 56 | W | 1 | o | 29·80 | + ·13 | 55 | 54 | o | ENE | 1 | b | 3 | bc,o | # | 60 | 48 | — |
| | Stornoway ... | 29·70 | 55 | WSW | 3 | r | 29·83 | + ·12 | 53 | 52 | — 1 | N | 3 | c | 3 | c,r | 5·6 | 62 | 49 | 1·02 |
| | Wick ... ... | 29·72 | 60 | SW | 3 | c | 29·81 | + ·04 | 56 | 55 | — 1 | NW | 3 | c | 1 | c | # | 62 | 48 | 0·04 |
| | Nairn ... ... | 29·74 | 59 | 7 | 0 | c | 29·81 | + ·03 | 55 | 52 | — 2 | SW | 1 | c | 1 | c | # | 66 | 49 | 0·02 |
| | Aberdeen ... | 29·80 | 59 | S | 3 | cp | 29·82 | —·01 | 58 | 52 | — 3 | WNW | 2 | bcw | 1 | c,cp | 6·2 | 65 | 48 | 0·03 |
| | Leith ... ... | 29·84 | 63 | WSW | 2 | b | 29·80 | —·06 | 57 | 54 | o | SW | 2 | cm | # | b | # | 67 | 53 | 0·01 |
| | Shields ... ... | 29·89 | 63 | WSW | 3 | c | 29·81 | —·10 | 55 | 53 | — 7 | SW | 2 | o | 2 | c,r | # | 66 | 52 | 0·01 |
| | Spurn Head ... | 29·92 | 61 | SE | 3 | o | 29·84 | — ·11 | 60 | 57 | o | WNW | 2 | b | 2 | o | # | 63 | 52 | — |
| | York ... ... | 29·93 | 63 | W | 2 | o | 29·84 | — ·10 | 53 | 51 | — 8 | SSE | 1 | o | # | o | 5·1 | 68 | 46 | — |
| | Loughborough ... | 29·94 | 62 | W | 1 | o | 29·87 | —·12 | 55 | 53 | — 3 | 7 | o | cmw | # | o,c,bm,f | # | 68 | 40 | — |
| | Ardrossan ... | 29·83 | 51 | S | 2 | op | 29·83 | —·05 | 61 | 57 | + 4 | NW | 2 | bc | 1 | op | # | 61 | 52 | 0·05 |
| | Malin Head ... | 29·80 | 57 | WSW | 5 | bp | 29·87 | — ·01 | 56 | 52 | o | NNW | 5 | b | 3 | o,bp | # | 60 | 54 | 0·13 |
| | Belmullet ... | 29·88 | 59 | WSW | 5 | o | 29·95 | + ·04 | 59 | 55 | + 1 | WNW | 2 | c | # | cpq,o | # | 61 | 55 | 0·04 |
| | Donaghadee ... | 29·86 | 61 | SW | 4 | c | 29·87 | —·09 | 57 | 55 | o | NW | 4 | c | 2 | c | # | 66 | 50 | 0·08 |
| | Liverpool (Bidston) | 29·95 | 59 | WNW | 1 | bc | 29·84 | —·15 | 58 | 55 | — 2 | W | 2 | bc | 3 | bc | # | 63 | 53 | 0·14 |
| | Holyhead ... | 29·97 | 58 | SW | 3 | c | 29·87 | —·14 | 57 | 55 | — 3 | N | 3 | bc | 2 | c | # | 64 | 54 | 0·14 |
| | Parsonstown ... | 29·94 | 60 | SW | 1 | d | 29·94 | —·09 | 55 | 53 | — 1 | SW | 1 | c | # | c,d | 5·1 | 64 | 52 | 0·11 |
| | Valencia ... | 29·98 | 60 | SW | 3 | opm | 29·99 | — ·10 | 58 | 54 | — 1 | NNW | 4 | c | 4 | c,opm | 5·0 | 65 | 55 | 0·18 |
| | Roche's Point .. | 30·01 | 62 | W | 3 | bc | 29·96 | — ·12 | 58 | 54 | — 1 | NW | 3 | bc | 3 | bc,p | # | 66 | 54 | 0·35 |
| | Pembroke (St. Ann's Hd.) | 30·03 | 59 | WNW | 4 | c | 29·86 | —·17 | 59 | 57 | + 1 | NNW | 4 | bc | 3 | c | 4·8 | 61 | 55 | 0·55 |
| | Scilly ... ... | 30·07 | 63 | NW | 1 | c | 29·90 | — ·15 | 60 | 59 | o | NNW | 5 | c | 3 | o,c | 7·0 | 64 | 57 | 0·15 |
| | Prawle Point ... | 30·00 | 61 | NW | 3 | c | 29·89 | — ·14 | 58 | 56 | — 1 | SW | 3 | or | 2 | c | # | 66 | 51 | 0·02 |
| | Jersey (St. Aubin's) | 30·03 | 61 | WSW | 3 | o | 29·94 | — ·15 | 62 | 56 | — 1 | WNW | 4 | bc | 3 | or,og | # | 65 | 56 | 0·04 |
| | Hurst Castle ... | 29·98 | 63 | WSW | 3 | o | 29·90 | — ·15 | 62 | 57 | + 3 | WSW | 1 | bm | 1 | om,o | # | 63 | 49 | 0·03 |
| | Dungeness ... | 29·97 | 60 | WSW | 4 | c | 29·95 | — ·18 | 55 | 55 | — 6 | WSW | 1 | f | 1 | ep,c | # | 64 | 54 | — |
| Germany & Holland. | North Foreland | 29·97 | 60 | SW | 2 | o | 29·85 | — ·19 | 60 | 58 | + 1 | SW | 2 | c | 2 | o | # | 63 | 55 | 0·10 |
| | London (Brixton) ... | 29·94 | 61 | SW | 2 | opd | 29·90 | — ·14 | 57 | 54 | — 1 | WSW | 2 | c | # | odp,o,c | 0·0 | 62 | 52 | 0·06 |
| | Oxford ... ... | 29·93 | 62 | NW | 2 | o | 29·88 | — ·14 | 57 | 53 | o | WSW | 1 | b | # | o | # | 68 | 48 | 0·03 |
| | Cambridge ... | 29·93 | 64 | SW | 1 | o | 29·8, | — ·15 | 54 | 52 | — 3 | NNW | 1 | bmw | # | o | 0·0 | 66 | 49 | 0·09 |
| | Yarmouth ... | 29·94 | 61 | SSW | 1 | c | 29·84 | — ·18 | 59 | 55 | o | NW | 2 | bc | 2 | p,c | # | 62 | 55 | 0·03 |
| | Cuxhaven ... | 30·03 | 59 | WNW | 1 | o | 29·89 | — ·12 | 53 | 53 | — 4 | S | 1 | r | # | o | # | 64 | 52 | 0·12 |
| | Berlin ... ... | 30·02 | 59 | W | 3 | c | 30·00 | + ·04 | 54 | 53 | — 1 | SW | 1 | f | # | c | # | 64 | 54 | 0·24 |
| | Wiesbaden ... | # | # | # | # | # | 29·96 | — ·18 | 59 | 56 | + 7 | 7 | o | o | # | # | # | 68 | 46 | — |
| | Munich ... .. | 30·14 | 54 | SE | 1 | b | 30·03 | — ·14 | 52 | 51 | — 3 | NE | 1 | c | # | b | # | 64 | 45 | — |
| | The Helder ... | 29·98 | 57 | SE | 1 | o | 29·82 | — ·24 | 57 | 56 | + 1 | S | 1 | c | 1 | o | # | 63 | 55 | 0·24 |
| France & Belgium. | Brussels ... | # | # | # | # | # | 29·88 | —·21 | 62 | 58 | + 6 | S | 1 | b | # | o | # | 70 | 53 | 0·16 |
| | Cape Gris Nez ... | 29·97 | 60 | W | 4 | o | 29·81 | —·22 | 63 | 61 | + 2 | W | 1 | o | 2 | o | # | 63 | 59 | 0·08 |
| | Paris ... ... | 30·01 | 66 | NNE | 2 | r | 29·91 | —·20 | 61 | 57 | + 4 | NW | 1 | c | # | r | # | 74 | 55 | — |
| | Brest ... ... | 30·01 | 58 | NNW | 2 | r | ? | ? | 58 | 57 | — 1 | W | 2 | r | 2 | r | # | 64 | 52 | ? |
| | Lorient ... ... | 30·12 | 73 | NNW | 2 | bc | 30·00 | — ·17 | 56 | 55 | ? | 2 | o | c | 2 | bc | # | 75 | 48 | — |
| | Rochefort ... | 30·04 | 71 | NW | 4 | bc | 30·02 | —·08 | 61 | 60 | + 1 | NNW | 3 | c | # | bc | # | [illegible] | 57 | — |
| | Belfort ... ... | 30·02 | 70 | N | 2 | c | 29·99 | —·14 | 60 | 59 | + 9 | N | 1 | c | # | c | # | 80 | 51 | — |
| | Lyons ... ... | | | | | | | | | | | | | | # | | # | | | |
| | Nice ... ... | 29·96 | 71 | 7 | o | b | 30·00 | + ·04 | 66 | 63 | — 4 | 2 | o | bc | o | b | # | 79 | 63 | — |
| | Perpignan ... | 29·98 | 73 | E | 2 | b | 29·98 | —·08 | 65 | 60 | o | E | 2 | b | # | b | # | 83 | 56 | — |
| | Biarritz ... | 29·98 | 72 | NE | 3 | b | 29·99 | —·06 | 66 | 64 | + 5 | S | 2 | c | 1 | b | # | 81 | 61 | — |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | # | | # | | | |
| | Lisbon ... ... | 30·01 | 67 | NNW | 4 | o | 30·01 | —·02 | 65 | 60 | — 7 | NNW | 4 | b | # | o | # | 79 | 61 | 0·04 |
| | Azores (P. Delgada) | 30·32 | 69 | NE | 3 | bc | 30·32 | + ·11 | 69 | 66 | o | NE | 4 | c | 3 | bc | # | 79 | 66 | 0·04 |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 5·0 hrs; Eastbourne 0·0 hrs: Hastings (St Leonards) 0·0 hrs.*

# WEATHER CHARTS

FOR WEDNESDAY, 19TH AUGUST, 1896.

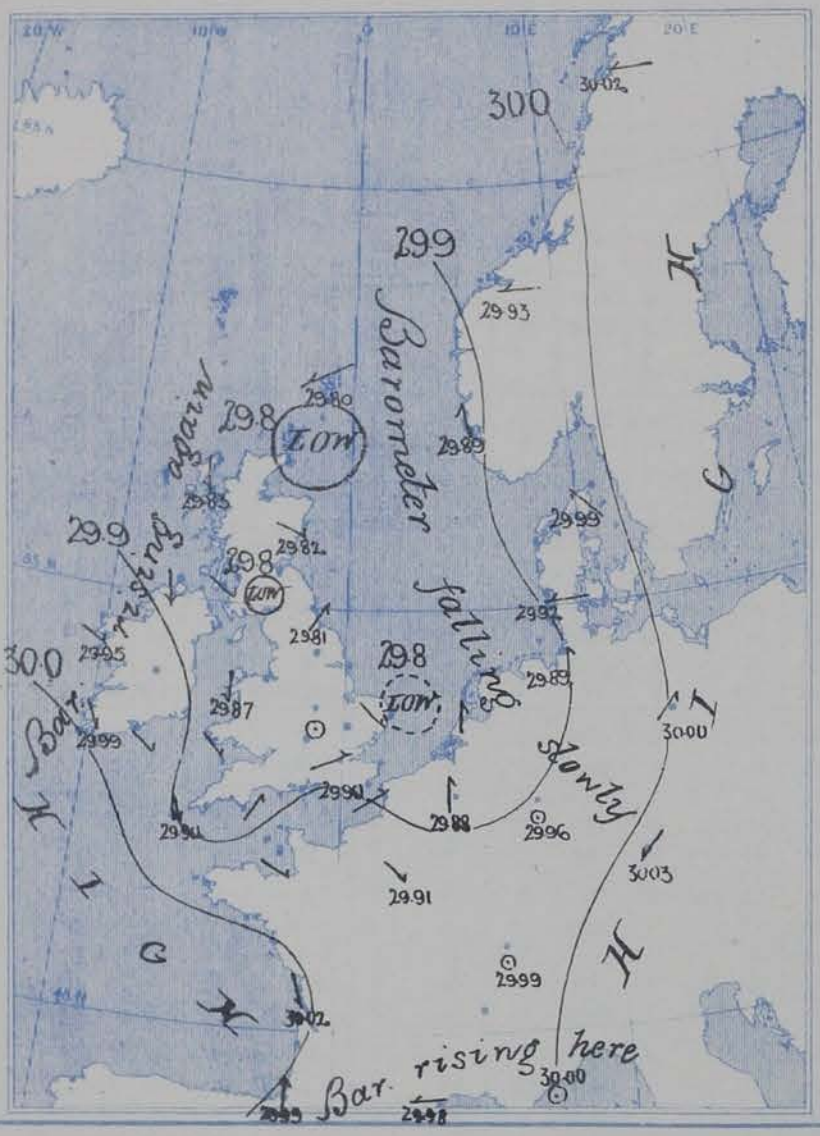
## BAROMETER, WIND AND SEA.

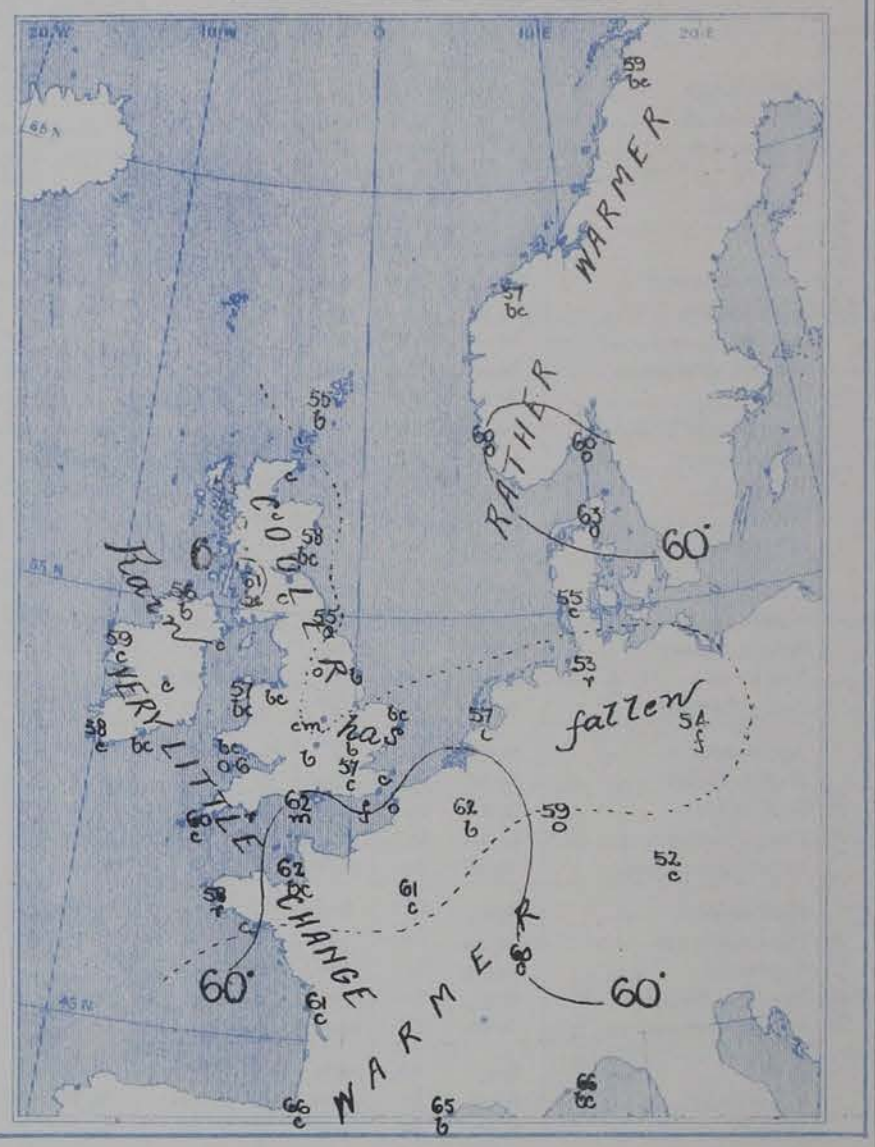
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶ ; Force 5 to 7 ⟶ ; Force 1 to 4 ⟶ ; Calm ⊙

*SEA*—Rough ; High




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m. | Means of Wet Bulb 8 a.m. | Means of Daily Maximum. | Means of Daily Minimum. | Absolute Extremes. Maximum | Years. | Minimum. | Years. | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. Hours. | Per cent. of possible. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 83 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·0 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·07 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 1·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 1·03 | — | — |
| Pembroke | 29·925 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·0 | 58·7 | 67·3 | 56·0 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·38 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·930 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·20 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE** — Highest 30.0 ins. and more (1) off our extreme Southwest coasts and over the Bay of Biscay, and (2) over Sweden and central Europe. Lowest Below 29.4 ins. over Gt Britain and the North Sea generally, and below 29.8 ins. in three distinct minima – one between Wick and the Shetland Isles another near Leith, and a third off the coast of Norfolk, while a 'V' shaped system covers Cornwall Devonshire and the Bristol Channel. Gradients slight, and very variable. Barometer rising at our W.n and N.n stations, falling slightly in the east.

**TEMPERATURE** — Highest 66° at Biarritz, 63° at Cape Gris Nez and the Scaw, 60° at Spurn Hd. and Skudenaes. Lowest (1) 53° at Stornoway and York, 54° at Liverpool; (2) 52° at Munich, 54° at Berlin. The maxima recorded yesterday ranged from 61° to 68° over our Islands; the night was rather warm.

**WIND** — N.E. and NW. and moderate, at our W.rn stations, and variable from SE. over the countries lying to the eastward of the North Sea; very light and variable over Gt. Britain and France.

**WEATHER** — Fair in most places but raining at Brest, Prawle Pt and Cuxhaven. Cirrus at Jersey, moving from W. Rain had fallen at most of our own stations – those in the NE. of England being excepted. The amounts were large at Stornoway and at the mouth of St. George's Channel. Bright Sunshine recorded yesterday was – at Scilly 7 hrs, at Aberdeen 6.2 hrs, Southport 5 hrs. and at Eastbourne, Hastings, Cambridge and London none.

**SEA** — Moderate at Valencia, slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is of a very unstable type, and is usually accompanied by heavy local rains.

# FORECASTS

*For the 24 hours ending at NOON on* 20TH AUGUST. 1896.

| DISTRICTS. | | FORECASTS. | DISTRICTS. | | FORECASTS. |
|---|---|---|---|---|---|
| 0 | SCOTLAND NORTH | Varying airs, followed by NW. breezes; changeable weather from fine to showery. | 6 | SCOTLAND WEST | NW. and N. breezes; showery to fair. |
| 1 | SCOTLAND EAST | | 7 | ENGLAND N.W. | |
| 2 | ENGLAND N.E. | | 8 | ENGLAND S.W. | |
| 3 | ENGLAND EAST | | 9 | IRELAND NORTH | |
| 4 | M:DLAND COUNTIES | | 10 | IRELAND SOUTH | |
| 5 | ENGLAND SOUTH | | | WARNINGS | None issued. |

*Note.* – The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29·99 | 59 | 57 | S | 6 | o | 3 |
| Sumburgh Head | 29·78 | 59 | 56 | W | 3 | bc | 4 |
| Stornoway .. .. | 29·74 | 60 | 59 | SW | 4 | c | 4 |
| Aberdeen ... ... | 29·84 | 63 | 54 | SSE | 1 | c | 1 |
| Shields ... ... | 29·92 | 63 | 55 | WSW | 3 | c | 2 |
| Ardrossan ... ... | 29·90 | 57 | 56 | S | 3 | op | 2 |
| Malin Head ... | 29·84 | 59 | 55 | SW | 5 | o | 4 |
| Belmullet ... ... | 29·92 | 60 | 58 | WSW | 5 | cpq | * |
| Holyhead ... .. | 30·02 | 61 | 57 | SW | 3 | c | 2 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30·06 | 62 | 55 | WSW | 4 | c | 4 |
| Scilly ... ... | 30·07 | 63 | 58 | NW | 3 | o | 2 |
| Jersey ... ... | 30·07 | 62 | 60 | WNW | 3 | o | 3 |
| Hurst Castle ... | 30·02 | 62 | 61 | SW | 4 | om | 3 |
| Dungeness ... | 30·03 | 61 | 59 | SW | 4 | cp | 3 |
| North Foreland | 30·02 | 61 | 57 | SW | 2 | o | 2 |
| London (Westminster) | 30·00 | 62 | 60 | SW | 2 | odp | * |
| Yarmouth ... | 29·99 | 62 | 58 | SSW | 2 | c | 2 |
| Rochefort ... | 30·10 | 76 | 70 | NW | 4 | bc | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the greater part of Europe and temporarily fine over Scotland and Ireland; dull and rainy over the S^rn parts of England, as well as over the Baltic provinces, W^rn Russia and Hungary. Considerable rain falling later over the British Islands, the Netherlands and some parts of N. Germany, the largest amounts reported being 1·0 in. at Stornoway, 0·6 in. at Pembroke, 0·4 in. at Rocket Pt, and 0·2 in. at the Helder and Berlin.

Temperature risen over England, fallen over S.E^rn Europe. Morning readings highest 80° at Palma, and above 70° at most stations in S^rn Europe; 66° at Trieste, 63° at Jersey, 62° at Kharkov. Lowest (1) 49° at Archangel, 53° at Bodö, 54° at St. Petersburg, and 52° at Breslau (2) 51° at Lyons, 52° at Wiesbaden, 53° at Le Mans. Not touching 70° in any part of our Islands during the day, but reaching 68° at Oxford, 70° at Brussels, 74° at Paris, 80° at Belfort and 82° at Perpignan.

Wind W. and S.W. over the United Kingdom as a whole (but N. at Scilly), S.E. in the W. of Norway, (2) N.E. over Finland and the Baltic, N.W. to S.W. over Germany and Poland; (3) N. to N.W. over Italy, Sardinia and Sicily, E. at Lesina and Trieste. Very little change in our Islands later.

Barometer highest (1) 30·1 ins. and more over the Bay of Biscay, and in a band stretching thence over central France to S. Germany, (2) apparently exceeding 30·1 ins. over the N^rn parts of Lapland. Lowest 29·7 ins. and less in two depressions, one lying a little to the N^rd of our Islands, the other near Riga; 29·8 ins. and less in a third system over the S. of Russia, and below 29·9 ins. in a fourth lying over the Adriatic and the E^rn part of Italy. Falling generally over the British Islands later, and distribution in those regions becoming very complex.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Thursday August 20th 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | Weather | Barometer. | | Temperature. | | | Wind. | | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Temp. | | Rainfall. |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | | | | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia. | Haparanda ... | 30·10 | 52 | Z | 0 | b | 30·02 | −·13 | 55 | 53 | +3 | NE | 2 | b | * | b | * | 64 | 45 | — |
| | Hernösand ... | 30·06 | 53 | Z | 0 | c | 29·96 | −·17 | 56 | 52 | +1 | NE | 2 | o | * | c | * | 66 | 43 | — |
| | Stockholm ... | 30·01 | 55 | Z | 0 | b | 29·95 | −·09 | 58 | 55 | −1 | NNW | 2 | b | * | b | * | 64 | 54 | — |
| | Wisby ... ... | 29·98 | 56 | E | 4 | b | 29·96 | −·02 | 58 | 56 | −3 | NE | 4 | b | * | b | * | 64 | 50 | 0·16 |
| | Karlstad ... | 29·99 | 59 | SE | 2 | b | 29·96 | −·08 | 55 | 52+ | 0 | ESE | 2 | b | * | b. + | * | * | * | — |
| | Bodö ... ... | 29·99 | 61 | Z | 0 | bc | 29·94 | −·08 | 57 | 55 | −2 | Z | 0 | 0 | 0 | bc | * | 64 | 54 | — |
| | Christiansund ... | 30·01 | 60 | Z | 0 | bc | 29·91 | −·02 | 55 | 52 | −2 | Z | 0 | bc | 0 | bc | * | 63 | 50 | — |
| | Skudesnaes ... | 29·96 | 55 | Z | 0 | o | 29·88 | −·01 | 58 | 55 | −2 | Z | 0 | c | 1 | o | * | 60 | 50 | * |
| | Færder (Christiania Fjord) | 29·97 | 62 | NNE | 1 | bc | 29·93 | −·08 | 59 | 57 | −1 | NNE | 2 | o | 1 | bc | * | 63 | 59 | — |
| | Skagen (The Scaw) | 29·95 | 59 | Z | 0 | o | 29·92 | −·07 | 59 | 55 | −4 | E | 2 | o | 0 | o | * | 68 | 54 | — |
| | Fanö ... ... | 29·88 | 55 | E | 3 | c | 29·87 | −·05 | 57 | 56 | +2 | SE | 1 | c | * | c | * | 61 | 53 | 0·04 |
| | Sumburgh Head | 29·88 | 56 | E | 2 | b | 29·77 | −·03 | 52+ | 53 | −1 | W | 1 | o | 2 | b | * | 60 | 51 | — |
| | Stornoway ... | 29·91 | 55 | N | 2 | bc | 29·72 | −·11 | 53 | 53 | 0 | SSW | 5 | + | 5 | c. bc | 9.4 | 60 | 47 | — |
| | Wick ... ... | 29·91 | 56 | SW | 2 | bc | 29·82 | +·01 | 52+ | 53 | −2 | S | 2 | o | 1 | bc | * | 63 | 46 | — |
| | Nairn ... ... | 29·90 | 60 | Z | 0 | c | 29·81 | 0·0 | 52+ | 52 | −1 | W | 1 | o | 1 | c | * | 62 | 44+ | 0·09 |
| | Aberdeen ... | 29·91 | 55 | E | 1 | b | 29·84 | +·02 | 53 | 53 | −3 | SW | 1 | cmw | 1 | b | 5·4 | 60 | 48 | — |
| | Leith ... ... | 29·89 | 62 | NE | 1 | bc | 29·85 | +·05 | 53 | 51 | −4 | Z | 0 | om | * | bc | * | 68 | 45 | — |
| | Shields ... ... | 29·87 | 56 | N | 3 | c fp | 29·90 | +·09 | 53 | 52 | −2 | SSW | 2 | cf | 2 | +. fp | * | 59 | 49 | 0·15 |
| | Spurn Head ... | 29·84 | 55 | Z | 0 | ofp | 29·90 | +·06 | 56 | 56 | −4 | W | 2 | bf | 2 | o fr | * | 65 | 53 | 0·06 |
| | York ... ... | 29·84 | 55 | N | 1 | c | 29·93 | +·09 | 52 | 52 | −1 | NNW | 1 | o | * | c | M | 62 | 45 | — |
| | Loughborough ... | 29·86 | 55 | Z | 0 | o | 29·94 | +·07 | 52 | 51 | −3 | Z | 0 | ofw | * | c. f. cmf | * | 61 | 49 | 0·21 |
| British Isl. | Ardrossan ... | 29·88 | 61 | NW | 3 | + | 29·85 | +·02 | 56 | 53 | −3 | SE | 2 | o | 2 | b. fp | * | 65 | 49 | 0·05 |
| | Malin Head ... | 29·95 | 57 | NNW | 5 | b | 29·82 | −·05 | 53 | 52 | −3 | S | 4 | od | 2 | b | * | 58 | 53 | 0·03 |
| | Belmullet ... | 30·05 | 58 | NNW | 3 | c | 29·90 | −·05 | 59 | 57 | 0 | NNW | 2 | o | * | o. c | * | 60 | 53 | 0·30 |
| | Donaghadee ... | 29·94 | 58 | N | 5 | bc | 29·90 | +·03 | 54 | 53 | −3 | NNW | 3 | o | 1 | bc | * | 64 | 50 | — |
| | Liverpool (Bidston) | 29·88 | 59 | NW | 3 | c | 29·93 | +·09 | 57 | 52+ | −1 | Z | 0 | o | 1 | c | * | 63 | 51 | — |
| | Holyhead ... | 29·92 | 57 | N | 4 | b | 29·95 | +·08 | 56 | 55 | −1 | W | 2 | o | 1 | bc. b | * | 59 | 52+ | — |
| | Parsonstown ... | 29·99 | 59 | Z | 0 | b | 29·94 | 0·0 | 52+ | 53 | −1 | Z | 0 | + | * | b | 4·7 | 64 | 50 | 0·07 |
| | Valencia ... | 30·06 | 60 | NNW | 4 | bcr | 29·99 | 0·0 | 60 | 59 | +2 | W | 5 | +m | 4 | o. bcr | 4·6 | 63 | 53 | 0·16 |
| | Roche's Point .. | 29·99 | 62 | NNW | 4 | b | 30·00 | +·04 | 52+ | 52+ | −4 | WSW | 2 | + | 3 | b. + | * | 65 | 52 | 0·05 |
| | Pembroke (St. Ann's Hd.) | 29·92 | 59 | NE | 3 | b | 29·98 | +·12 | 57 | 53 | −2 | NNW | 3 | og | 2 | b | 10·0 | 61 | 52+ | — |
| | Scilly .. ... | 29·99 | 61 | N | 5 | cfp | 30·00 | +·10 | 60 | 57 | 0 | NW | 3 | c | 2 | c. cfp | 11·1 | 63 | 56 | — |
| | Prawle Point ... | 29·82 | 62 | NNW | 4 | c | 29·96 | +·07 | 63 | 58 | +5 | N | 3 | bc | 2 | cfp. c | * | 70 | 50 | 0·03 |
| | Jersey (St. Aubin's) | 29·85 | 63 | WNW | 5 | bc | 29·93 | −·01 | 62 | 56 | 0 | NNW | 4 | cmg | 3 | c. + bcfp | * | 65 | 56 | 0·23 |
| | Hurst Castle ... | 29·83 | 59 | S | 1 | ofp | 29·93 | +·03 | 57 | 55 | −3 | NNE | 3 | cm | 1 | cu. ofp | * | 68 | 50 | 0·06 |
| | Dungeness ... | 29·80 | 63 | WNW | 3 | c | 29·87 | +·02 | 62 | 58 | +7 | NNE | 3 | bc | 2 | bc. c | * | 69 | 52 | — |
| | North Foreland | 29·82 | 63 | S | 2 | bc | 29·89 | +·04 | 64 | 59 | +4 | NNE | 2 | bc | 2 | c. bc. b | * | 65 | 58 | — |
| | London (Brixton) ... | 29·81 | 63 | NNW | 3 | og | 29·93 | +·03 | 58 | 55 | +1 | N | 1 | m | * | b. o. o + bc | 3·7 | 72 | 54 | 0·15 |
| | Oxford ... ... | 29·87 | 54 | N | 1 | o + | 29·95 | +·07 | 52 | 51 | −5 | NNW | 1 | f | * | b. o + | * | 65 | 48 | 0·22 |
| | Cambridge ... | 29·85 | 55 | N | 2 | + g | 29·92 | +·05 | 55 | 55 | +1 | NW | 1 | of | * | + g | 6·5 | 69 | 52 | 0·44 |
| | Yarmouth ... | 29·83 | 63 | NE | 2 | b | 29·88 | +·04 | 60 | 57 | +1 | N | 2 | blo | 2 | b | * | 64 | 51 | — |
| Germany & Holland. | Cuxhaven ... | 29·84 | 59 | S | 1 | c | 29·82 | −·07 | 56 | 56 | +3 | SSE | 1 | d | * | c | * | 61 | 52 | 0·16 |
| | Berlin ... ... | 29·94 | 62 | SSW | 2 | o | 29·89 | −·11 | 59 | 56 | +5 | SE | 3 | o | * | o | * | 68 | 54 | — |
| | Wiesbaden ... | * | * | * | * | * | 29·85 | −·11 | 60 | 58 | +1 | Z | 0 | o | * | * | * | 72 | 57 | 0·04 |
| | Munich... .. | 29·98 | 57 | E | 2 | b | 29·93 | −·10 | 59 | 56 | +7 | W | 1 | c | * | b | * | 68 | 48 | — |
| | The Helder ... | 29·82 | 63 | NNE | 1 | c | 29·84 | +·02 | 61 | 60 | +4 | NNE | 1 | b | 1 | c | * | 66 | 57 | — |
| France & Belgium. | Brussels ... | * | * | * | * | * | 29·87 | −·01 | 56 | 56 | −6 | WNW | 1 | f | * | o | * | 71 | 53 | — |
| | Cape Gris Nez... | 29·80 | 64 | W | 3 | o | 29·85 | +·04 | 61 | 59 | −2 | E | 1 | bc | 1 | o | * | 68 | 54 | — |
| | Paris ... ... | 29·86 | 65 | N | 1 | o | 29·89 | −·02 | 57 | 55 | −4 | ? | 2 | bc | * | o | * | 75 | 53 | — |
| | Brest ... ... | 29·92 | 60 | NW | 2 | c | 30·01 | ? | 57 | 55 | −1 | N | 3 | bc | 2 | c | * | 64 | 52 | — |
| | Lorient... ... | 29·96 | 64 | NW | 4 | bc | 29·96 | −·04 | 56 | 52+ | 0 | NW | 6 | bc | 6 | bc | * | 68 | 46 | 0·19 |
| | Rochefort ... | 29·97 | 63 | NW | 5 | o | 29·93 | −·09 | 58 | 56 | −3 | N | 3 | b | * | c. o | * | 73 | 53 | 0·28 |
| | Belfort ... ... | 29·79 | 70 | SW | 1 | bc | 29·79 | −·20 | 53 | 52+ | −5 | WSW | 1 | + | * | bc | * | 75 | 52+ | 0·08 |
| | Lyons ... ... | 29·82 | 73 | S | 2 | o | 29·88 | −·09 | 55 | 55 | −5 | NW | 1 | + | * | +. o | * | 81 | 53 | 0·29 |
| | Nice ... ... | 29·96 | 68 | W | 1 | c | 29·89 | −·13 | 61 | 57 | −5 | Z | 0 | c | 0 | c | * | 79 | 61 | 0·04 |
| | Perpignan ... | 29·90 | 66 | SE | 2 | + | 29·86 | −·12 | ?60 | 56 | −5 | W | 2 | o | * | + | * | 76 | 59 | 0·51 |
| | Biarritz ... | | | | | | | | | | | | | | | | * | | | |
| Penin-sula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 29·97 | 63 | NNW | 6 | b | 29·99 | −·02 | 67 | 58 | +2 | N | 5 | b | * | b | * | 75 | 61 | — |
| | Azores (P. Delgada) | 30·39 | 70 | NE | 4 | bc | 30·39 | +·07 | 68 | 62 | −1 | NE | 4 | o | | bc | * | 71 | 64 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 6.6 hrs; Eastbourne 9.4 hrs. Hastings (St. Leonards) 7.3 hrs*

# WEATHER CHARTS

FOR THURSDAY, 20TH AUGUST, 1896.

## BAROMETER, WIND AND SEA.

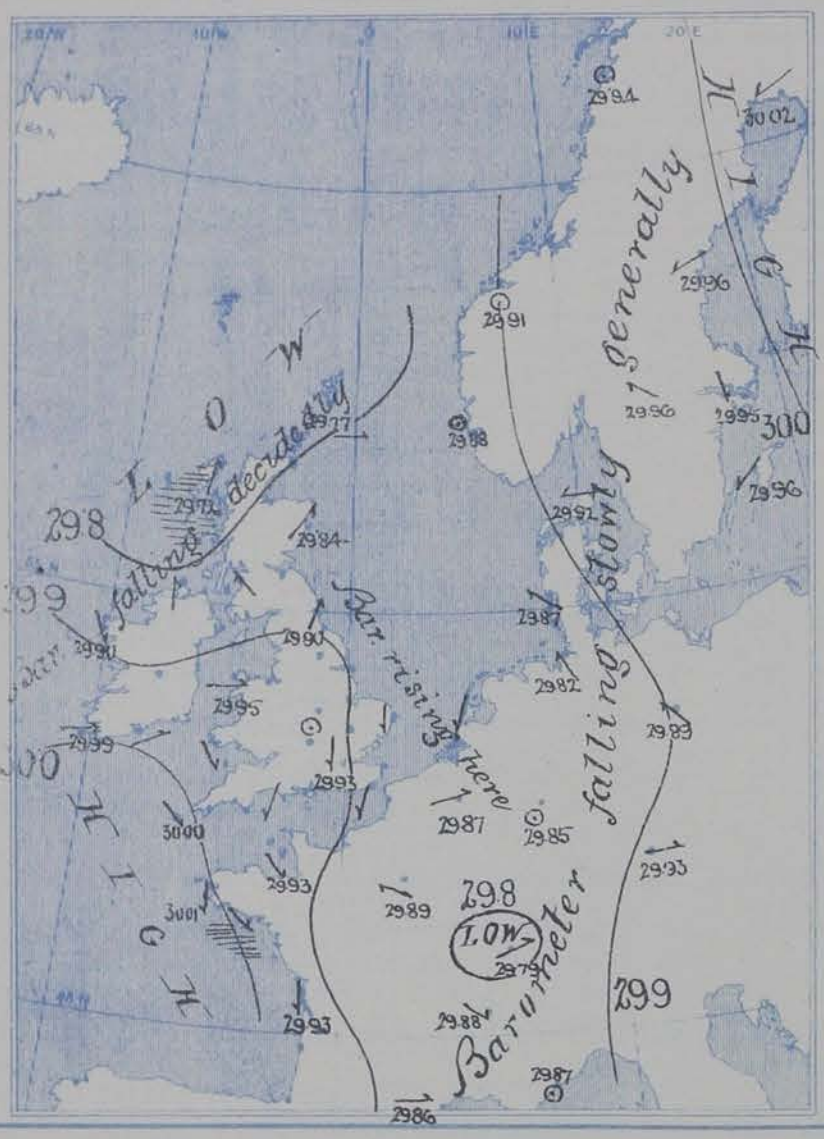
*BAROMETER* Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ▤ ; High ▩




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·0 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 40* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 46 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 3·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·0 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·6 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·929 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·36 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 29.9 ins. to 30.0 ins. and more over Ireland, England the west of France and all the neighbouring parts of the Atlantic, and exceeding 29.9 ins. over Russia the Baltic & central Europe.
Lowest Below 29.9 ins. in a shallow "trough" separating the two high-pressure systems, and below 29.8 ins. (1) over our N^rn districts, (2) in a small depression near Belfast and apparently over the North Sea lakes.
Gradients slight, but irregular; Distribution complex and of a very unstable type.
Barometer falling rather decidedly in the NW. of our Islands, rising slightly in the southeast.

**TEMPERATURE**

Highest 60° to 61° in the south of France, 64° at the North Foreland, 59° at the Scaur.
Lowest 52° at Longborough and York, 53° at Shields, Malin Hd and Stornoway.
It had changed fitfully during the preceding 24 hours, and had touched 72° in London, and 70° at Prawle Point yesterday; 73° at Paris, and 81° at Lyons.

**WIND**

After becoming N^rly in most places had "backed" to between W. and S. over Ireland and Scotland, but remained N^rly over the greater part of England. On the eastern side of the North Sea it was very light from the SE^rn.

**WEATHER**

Fine over Sweden, the east and south of England and the north of France, dull elsewhere, with rain in several places. Showers have fallen in most places (0.44 in. at Cambridge); thunder and lightning occurred in London last night.
Bright Sunshine recorded yesterday exceeded 10 hrs. on the southwest coasts of England; at Eastbourne it was 9.4 hrs. at Hastings 7.3 hrs., and in London 3.7 hrs.

**SEA**

Rather rough about the mouth of the Channel and at Stornoway, slight to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further depressions are spreading over our area from the NW^rn, and more rain is probable in all districts, with thunder and lightning in places.

# FORECASTS

*For the 24 hours ending at NOON on* 21^ST AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | Very variable winds; and unsettled rainy weather. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | NW^rly to SW^rly winds; fine at first, rainy again later; some thunder. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | Same as N^os 0 to 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Varying NW^rly winds; rainy, unsettled. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

Note.—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.95 | 58 | 55 | S | 6 | o | 4 |
| Sumburgh Head | 29.89 | 58 | 57 | E | 2 | b | 3 |
| Stornoway ... ... | 29.91 | 59 | 55 | NNE | 3 | c | 3 |
| Aberdeen ... ... | 29.88 | 60 | 56 | E | 1 | b | 1 |
| Shields ... ... | 29.84 | 55 | 54 | N | 3 | r | 2 |
| Ardrossan ... ... | 29.85 | 64 | 61 | NW | 3 | bp | 2 |
| Malin Head ... | 29.94 | 58 | 53 | NNW | 5 | b | 3 |
| Belmullet ... ... | 30.03 | 59 | 55 | N | 3 | o | * |
| Holyhead ... ... | 29.91 | 59 | 56 | N | 4 | bc | 3 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30.05 | 59 | 55 | NW | 4 | o | 4 |
| Scilly ... ... | 29.92 | 61 | 56 | N | 5 | c | 3 |
| Jersey ... ... | 29.89 | 62 | 60 | SW | 3 | o | 3 |
| Hurst Castle ... | 29.85 | 65 | 60 | SW | 3 | cu | 1 |
| Dungeness ... | 29.82 | 66 | 61 | WSW | 2 | bc | 1 |
| North Foreland | 29.83 | 64 | 59 | NW | 2 | c | 2 |
| London (Westminster) | 29.82 | 69 | 58 | W | 1 | c | * |
| Yarmouth ... | 29.83 | 64 | 58 | NE | 3 | b | 2 |
| Rochefort ... | 30.00 | 69 | 66 | NW | 4 | c | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the E^rn parts of the Mediterranean, Italy, Austria and many parts of Germany, also over to the N. of Russia, Finland and Sweden; fine temporarily in most parts of our Islands, but raining at Prawle Point, Brest and Cuxhaven, foggy over the Baltic provinces. Rain falling later over the greater part of the United Kingdom, and the W. and N. of France. — Amounts considerable in a few localities.

Temperature in morning fallen decidedly over S.E^rn Europe and the S^rn shores of the Mediterranean. Highest, Sfax 82°, Patras 79°, and exceeding 70° on the S^rn and W^rn shores of the Mediterranean generally; 69° at Constantinople and Kharkov, 62° at Brussels and Hurst Castle, 61° at Archangel. Lowest (1) 52° at Limoges, (2) 53° at Stornoway, Cuxhaven and York. Rising later to 70° at Prawle Pt., 72° in London and at Wiesbaden, 73° at Paris, and 81° at Lyons.

Wind moderate and variable from between N and W. at our western stations and in the N. of France, but S. ½ to SE. ½ on the eastern shores of the North Sea; N. ½ to NE. ½ over Finland and the Baltic; light and very variable elsewhere. The N. ½ wind at our western stations spreading all over the United Kingdom later.

Barometer highest 30.1 ins. and more to 30.0 ins. in an anticyclone lying over N^rn Europe, and 30.0 ins. and more in two other similar systems — one lying over Austria, Italy, Sicily and Tunis, the other the W^rn part of Spain, the Bay of Biscay and the neighbouring parts of the Atlantic. Lowest 29.8 ins. and less over the S^rn parts of Russia and the greater part of the Black Sea, as well as in three small disturbances — one off the coast of Norfolk, another near Leith, and a third a little to the NE^wd of Wick. The latter system moving E^wds later and undergoing some modifications.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at .m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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„ Weekly „ „ „ £1 10 0 „

# DAILY WEATHER REPORT

*for 8 a.m. on* Friday August 21st 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29.68 | 50 | NE | 2 | † | 29.80 | −.22 | 54 | 53 | −3 | N | 4 | † | * | † | * | 66 | 41 | 1.18 |
| | Hernösand ... | 29.78 | 57 | E | 2 | c | 29.62 | −.34 | 59 | 53 | +3 | N | 4 | bc | * | c | * | 70 | 48 | — |
| | Stockholm ... | 29.86 | 57 | E | 0 | 0 | 29.74 | −.21 | 58 | 56 | 0 | E | 0 | † | * | 0 | * | 66 | 48 | 0.04 |
| | Wisby ... ... | 29.90 | 55 | NNW | 4 | b | 29.73 | −.23 | 60 | 58 | +2 | NNW | 4 | c | * | b | * | 63 | 48 | 0.32 |
| | Karlstad ... | 29.81 | 63 | E | 0 | bc | 29.72 | −.24 | 54 | 52 | −3 | E | 0 | b | * | bc | * | * | * | — |
| | Bodö ... ... † | 29.77 | 60 | E | 0 | b | 29.54 | −.40 | 53 | 49 | −4 | NNW | 1 | 0 | 1 | b | * | 61 | 52 | — |
| | Christiansund ... † | 29.76 | 59 | NNW | 2 | bc | 29.60 | −.31 | 55 | 54 | +2 | NNE | 4 | c | 2 | bc | * | 63 | 55 | 0.04 |
| | Skudesnaes ... | 29.82 | 58 | NW | 2 | 0 | 29.68 | −.20 | 57 | 55 | −1 | NNW | 6 | 0 | 3 | 0 | * | 58 | 54 | * |
| | Færder (Christiania Fjord) | 29.81 | 62 | NNW | 1 | b | 29.69 | −.24 | 59 | 57 | 0 | W | 2 | b | 1 | b | * | 63 | 59 | — |
| | Skagen (The Scaw) | 29.82 | 62 | W | 2 | bc | 29.76 | −.16 | 59 | 57 | 0 | WNW | 2 | 0 | 0 | bc | * | 66 | 52 | 0.24 |
| | Fanö ... ... | 29.82 | 57 | W | 1 | b | 29.84 | −.03 | 59 | 55 | +2 | W | 4 | c | * | b | * | 68 | 57 | — |
| British Islands. | Sumburgh Head | 29.61 | 54 | N | 3 | 0 | 29.54 | −.23 | 52 | 52 | −2 | WNW | 3 | † | 3 | 0 | * | 56 | 50 | 0.03 |
| | Stornoway ... | 29.70 | 55 | WNW | 4 | c | 29.73 | +.01 | 54 | 53 | +1 | NW | 3 | c | 3 | c | 2.5 | 60 | 49 | 0.10 |
| | Wick ... ... | 29.67 | 56 | NW | 3 | bc | 29.68 | −.14 | 54 | 53 | 0 | NW | 4 | c | 2 | bc | * | 60 | 50 | 0.9 |
| | Nairn ... ... | 29.71 | 60 | WNW | 3 | c | 29.72 | −.09 | 55 | 54 | +1 | W | 1 | 0 | 1 | c | * | 64 | 49 | — |
| | Aberdeen ... | 29.73 | 59 | NW | 2 | 0 | 29.72 | −.12 | 56 | 52 | +1 | W | 1 | ow | 1 | ogm.0 | 0.0 | 62 | 47 | — |
| | Leith ... ... | 29.79 | 60 | W | 2 | 0 | 29.75 | −.10 | 54 | 51 | +1 | WNW | 3 | om | * | 0 | * | 3 70 | 51 | — |
| | Shields ... ... | 29.83 | 60 | NNW | 1 | 0 | 29.76 | −.14 | 56 | 53 | +3 | W | 2 | 0 | 2 | f.0 | * | 68 | 52 | — |
| | Spurn Head ... | 29.86 | 61 | NE | 4 | c | 29.81 | −.09 | 61 | 58 | +5 | W | 3 | c | 3 | f.c.f | * | 62 | 48 | — |
| | York ... ... | 29.86 | 63 | W | 1 | 0 | 29.80 | −.13 | 58 | 55 | +6 | NW | 1 | 0 | * | 0 | 1.0 | 64 | 51 | — |
| | Loughborough ... | 29.89 | 65 | W | 1 | bc | 29.86 | −.08 | 59 | 56 | +7 | WNW | 1 | cmw | * | c.brom | * | 68 | 52 | — |
| | Ardrossan ... | 29.80 | 58 | WSW | 3 | 0 | 29.78 | −.07 | 55 | 53 | −1 | W | 2 | 0p | 2 | 0 | * | 59 | 54 | 0.02 |
| | Malin Head ... | 29.85 | 57 | W | 4 | 0p | 29.85 | +.03 | 55 | 54 | +2 | NW | 3 | c | 2 | 0.0p | * | 58 | 53 | 0.08 |
| | Belmullet ... | 29.96 | 58 | WNW | 2 | 0m | 29.91 | +.01 | 58 | 57 | −1 | WNW | 3 | 0 | * | 0.0m | * | 60 | 57 | 0.25 |
| | Donaghadee ... | 29.88 | 59 | W | 3 | 0 | 29.86 | −.04 | 56 | 54 | +2 | NNW | 3 | 0 | 1 | 0 | * | 60 | 52 | 0.02 |
| | Liverpool (Bidston) | 29.90 | 59 | W | 3 | 0 | 29.82 | −.11 | 59 | 56 | +2 | WSW | 3 | 0 | 2 | 0 | * | 62 | 55 | 0.01 |
| | Holyhead ... | 29.92 | 55 | SW | 2 | gdm | 29.85 | −.10 | 58 | 55 | +2 | W | 3 | ogm | 2 | og.gdm | * | 61 | 55 | 0.18 |
| | Parsonstown ... | 29.94 | 62 | E | 0 | 0 | 29.91 | −.03 | 59 | 55 | +5 | W | 1 | 0 | * | c.od | 0.0 | 64 | 53 | 0.08 |
| | Valencia ... | 30.04 | 59 | NW | 3 | om | 30.01 | +.02 | 60 | 59 | 0 | NW | 3 | rm | 4 | 0.om | 0.5 | 62 | 58 | 0.19 |
| | Roche's Point .. | 29.98 | 62 | NW | 3 | c | 29.94 | −.06 | 61 | 59 | +7 | NW | 4 | cfp | 3 | m.c | * | 65 | 54 | 0.04 |
| | Pembroke (St. Ann's Hd.) | 29.97 | 59 | NW | 3 | 0 | 29.89 | −.09 | 59 | 59 | +2 | NW | 3 | og | 3 | 0 | 0.4 | 62 | 56 | 0.02 |
| | Scilly ... ... | 29.96 | 62 | WNW | 3 | cfpm | 29.94 | −.06 | 61 | 60 | +1 | NW | 4 | ofp | 3 | 0.cfpm | 1.3 | 63 | 56 | 0.16 |
| | Prawle Point ... | 29.97 | 60 | WSW | 4 | c | 29.92 | −.04 | 60 | 59 | −3 | WSW | 3 | 0 | 2 | c | * | 69 | 2 | — |
| | Jersey (St. Aubin's) | 29.99 | 63 | WNW | 4 | bc | 29.99 | +.06 | 61 | 60 | −1 | SW | 4 | ofm | 3 | bc | * | 66 | 55 | 0.03 |
| | Hurst Castle ... | 29.93 | 65 | SW | 3 | bcm | 29.92 | −.01 | 62 | 60 | +5 | SW | 3 | ofp | 2 | bcm | * | 71 | 55 | — |
| | Dungeness ... | 29.91 | 66 | SW | 2 | bc | 29.90 | +.03 | 64 | 59 | +2 | WSW | 3 | c | 2 | bc | * | 69 | 54 | — |
| | North Foreland | 29.91 | 63 | S | 2 | bc | 29.89 | 0.0 | 63 | 59 | −1 | W | 3 | bc | 2 | b.bc | * | 66 | 54 | — |
| | London (Elrton) ... | 29.91 | 68 | S | 1 | bc | 29.91 | −.02 | 59 | 55 | +1 | WSW | 3 | 0 | * | bc.b | 9.3 | 72 | 52 | — |
| | Oxford ... ... | 29.93 | 60 | WSW | 4 | b | 29.89 | −.06 | 59 | 57 | +7 | WSW | 2 | ow | * | b | * | 69 | 51 | — |
| | Cambridge ... | 29.90 | 66 | E | 0 | bm | 29.87 | −.05 | 61 | 59 | +6 | SW | 2 | 0 | * | bm | 5.3 | 70 | 54 | — |
| | Yarmouth ... | 29.90 | 62 | SE | 2 | b | 29.85 | −.03 | 60 | 58 | 0 | W | 2 | bc | 2 | b | * | 65 | 56 | — |
| Germany & Holland. | Cuxhaven ... | 29.83 | 63 | NNE | 1 | b | 29.85 | +.03 | 59 | 58 | +3 | W | 2 | b | * | b | * | ? | 54 | — |
| | Berlin ... ... | 29.84 | 64 | W | 3 | † | 29.90 | +.01 | 60 | 58 | +1 | W | 2 | 0 | * | † | * | 75 | 59 | 0.20 |
| | Wiesbaden ... | * | * | * | * | * | 29.95 | +.10 | 61 | 59 | +1 | E | 2 | 0 | * | * | * | 70 | 53 | — |
| | Munich ... .. | 29.93 | 55 | W | 4 | † | 30.05 | +.12 | 58 | 58 | −1 | E | 2 | 0 | * | † | * | 73 | 55 | 0.28 |
| | The Helder ... | 29.89 | 62 | NW | 1 | b | 29.84 | 0.0 | 63 | 60 | +2 | SW | 4 | bc | 2 | b | * | 63 | 58 | — |
| France & Belgium. | Brussels ... | * | * | * | * | * | 29.95 | +.08 | 57 | 55 | +1 | SE | 1 | b | * | b | * | 72 | 48 | — |
| | Cape Gris Nez .. | 29.90 | 61 | E | 1 | bc | 29.88 | +.03 | 63 | 60 | +2 | W | 2 | 0 | 2 | bc | * | 70 | 59 | — |
| | Paris ... ... | 29.95 | 69 | NNE | 2 | bc | 30.02 | +.13 | 57 | ? | 0 | E | 2 | 0 | * | bc | * | 75 | 52 | — |
| | Brest ... ... | 30.03 | 63 | NW | 1 | 0 | ? | ? | 60 | 60 | +3 | WNW | 1 | f | 1 | 0 | * | 68 | 52 | — |
| | Lorient ... ... | 30.01 | 60 | NNW | 4 | b | 30.01 | +.05 | 59 | 59 | +3 | N | 2 | 0 | 3 | b | * | 73 | 54 | — |
| | Rochefort ... | 29.99 | 67 | WNW | 6 | c | 30.07 | +.14 | 61 | 59 | +3 | N | 3 | bc | * | c | * | 68 | 55 | — |
| | Belfort ... ... | 29.89 | 60 | W | 1 | m | 29.97 | +.18 | 56 | 55 | +1 | W | 1 | m | * | m | * | 72 | 52 | 0.08 |
| | Lyons ... ... | 29.93 | 60 | E | 1 | 0 | 30.00 | +.12 | 59 | 56 | +4 | NW | 1 | 0 | * | 0 | * | 67 | 55 | 0.24 |
| | Nice ... ... | 29.86 | 66 | W | 1 | 0 | 29.90 | +.03 | 63 | 59 | +2 | E | 0 | + | 4 | 0 | * | 70 | 59 | — |
| | Perpignan ... | 29.92 | 68 | W | 2 | 0 | 29.97 | +.11 | 63 | 56 | +3 | NW | 4 | 0 | * | 0 | * | 72 | 60 | 0.08 |
| | Biarritz ... | 30.00 | 65 | NNW | 4 | bc | 30.06 | +.14 | 65 | 58 | +1 | NNW | 4 | bc | 4 | bc | * | 66 | 59 | 0.43 |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30.04 | 64 | N | 8 | b | 30.16 | +.17 | 69 | 56 | +2 | NE | 4 | b | * | b | * | 75 | 60 | — |
| | Azores (P. Delgada) | 30.42 | 71 | ENE | 4 | 0 | 30.40 | +.01 | 70 | 67 | +2 | NE | 4 | c | 3 | c. 0 | * | 75 | 68 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday* Southport 10.0 hrs; Eastbourne 10.8 hrs; Hastings (St. Leonards) 11.2 hrs.

# WEATHER CHARTS

FOR FRIDAY, 21ST AUGUST, 1896.

## BAROMETER, WIND AND SEA.

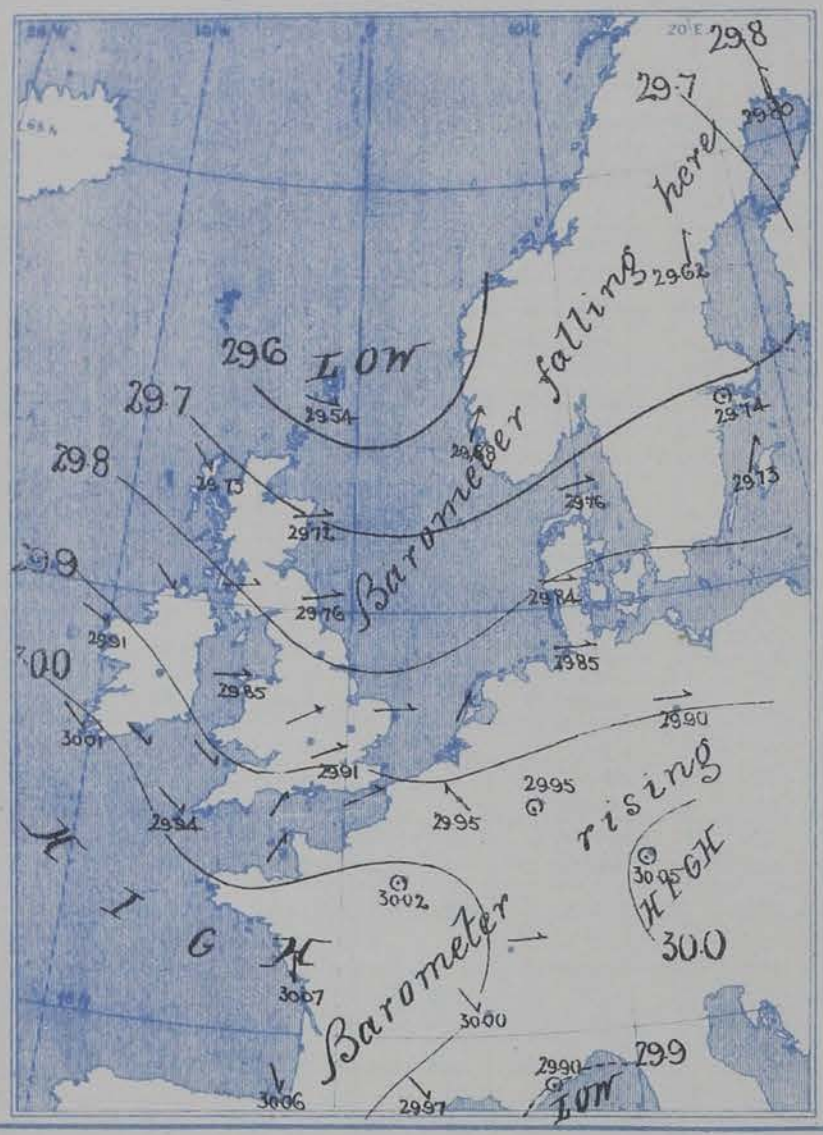
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟫⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ▤ ; High ■

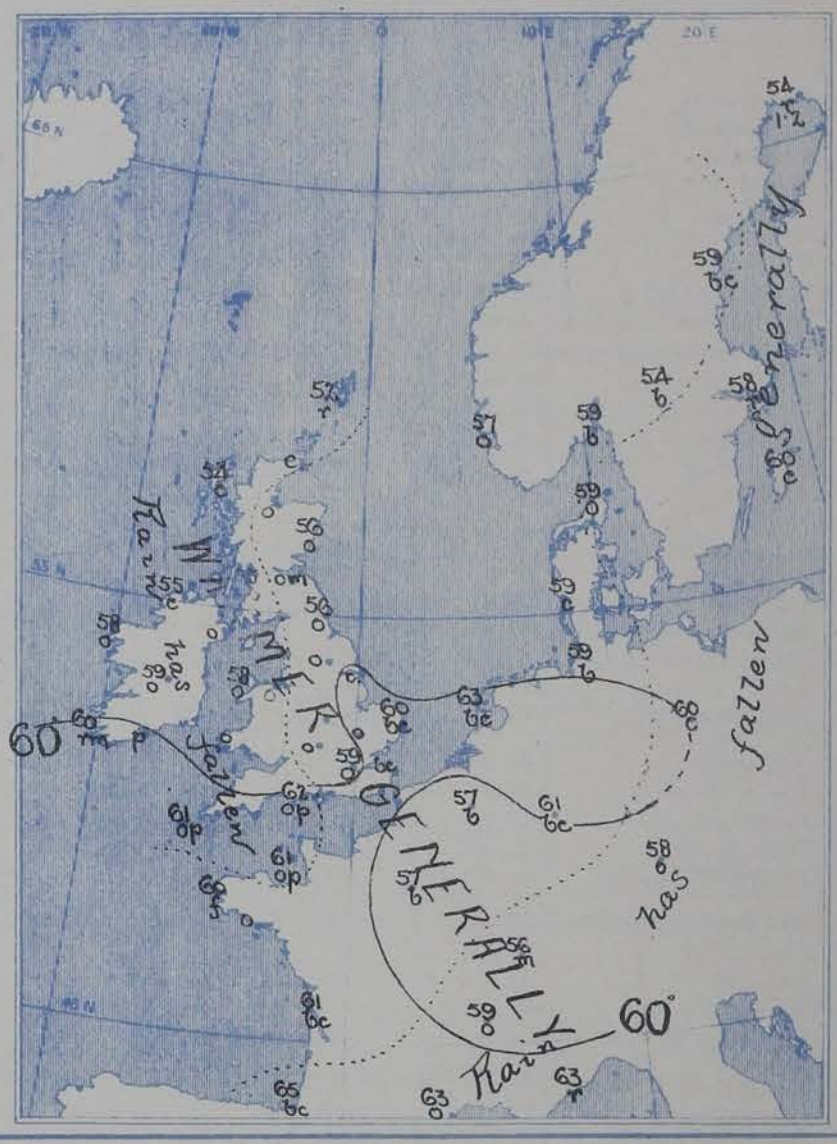



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
### IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. | TEMPERATURE OF AIR. 1871-95. | | | | | | | | RAINFALL. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Means of | | | | Absolute Extremes. | | | | | | |
| | Means, 1871—95. | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | Means, 1866—95. | Hours. | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30·0 ins. and more over the SW. of Ireland and the greater part of France, with the Bay of Biscay and all the neighbouring parts of the Atlantic.
Lowest Below 29.6 ins. over the Shetland Islands and the west of Norway.
Gradients slight, and favourable for W^ly and NW^ly winds over the United Kingdom.
Barometer beginning to rise a little in the far west, but was falling unsteadily in the NE and E.

**TEMPERATURE**

Highest 63° to 65° at the Stations in the S. and SW. of France, 61° at Wiesbaden, Spurn Hd. & Rochs. Pt. 60° at Wisby.
Lowest 52° at Smeburgh Hd., 54° at Stornoway, Wick and Karlstad.
The highest of the maxima recorded yesterday were 70° at Leith and Cambridge, 72° in London, 73° at Munich, 75° at Berlin and Paris.

**WIND**

Light to moderate from between W. and NW. over Scotland and Ireland, from between W. and SW. over England and the Channel, and moderate from the S^wd over Scandinavia.
Some local variations are noted from time to time in many localities, and in Scotland the change from SW. to W. and NW. has been very general.

**WEATHER**

Varies greatly in different localities; in several places it is fine and bright, in others dull, while in many it is showery. The general condition is showerlike.
Rain has again fallen at our W^ly and NW^ly stations, as well as over Scandinavia, Germany and the south of France. At Haparanda the fall has been 1·2 ins. Bright Sunshine recorded yesterday was very slight in the extreme W. and N, but amounted to 11·2 hrs. at St Leonards, 10·8 hrs. at Eastbourne, & 3 hrs. in London.

**SEA**

Slight or smooth very generally.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change of weather is indicated beyond some showers over England.

# FORECASTS

*For the 24 hours ending at NOON on* 22^ND AUGUST. 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | W^ly and NW^ly breezes, light; some passing showers, bright intervals. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | W^ly and NW^ly breezes, light; some passing showers, bright intervals. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.84 | 57 | 56 | WSW | 2 | 0 | 2 |
| Sumburgh Head | 29.69 | 55 | 54 | SSE | 2 | 0 | 3 |
| Stornoway ... ... | 29.69 | 60 | 50 | WNW | 3 | c | 3 |
| Aberdeen ... ... | 29.76 | 59 | 55 | SSW | 3 | ogm | 2 |
| Shields ... ... | 29.86 | 63 | 57 | SSW | 1 | c | 2 |
| Ardrossan ... ... | 29.82 | 57 | 56 | SSW | 3 | 0 | 2 |
| Malin Head ... | 29.84 | 58 | 57 | W | 4 | 0 | 2 |
| Belmullet ... ... | 29.95 | 59 | 57 | NW | 2 | 0 | * |
| Holyhead ... ... | 29.93 | 59 | 55 | SSW | 2 | og | 1 |
| Valencia ... ... | 30.03 | 60 | 59 | NW | 3 | 0 | 4 |
| Scilly ... ... | 30.00 | 60 | 56 | W | 2 | 0 | 3 |
| Jersey ... ... | 29.97 | 64 | 59 | NW | 5 | bc | 4 |
| Hurst Castle ... | 29.93 | 70 | 64 | SW | 1 | bcm | 0 |
| Dungeness ... | 29.90 | 67 | 62 | E | 2 | bc | 1 |
| North Foreland | 29.92 | 65 | 60 | E | 1 | b | 2 |
| London (Westminster) | 29.90 | 69 | 58 | WSW | 2 | bc | * |
| Yarmouth ... | 29.90 | 63 | 59 | NNE | 3 | b | 2 |
| Rochefort ... | 29.97 | 67 | 64 | NNW | 4 | c | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine and bright over SE^m and some parts of central Europe, very variable elsewhere — clear and bright in some places, dull and gloomy in others, with rain at many stations — especially in the W. of the British Islands. Rain falling later in the W. and NW. of the United Kingdom generally, and on many parts of the Continent; fall amounting to 1.2 ins. at Haparanda, 0.3 in. at Wisby, Belmullet and Munich, 0.1 in. at Biarritz.

Temperature falling a little over the United Kingdom, rising over N. Germany and the Baltic provinces. Morning readings highest 80° at Patras, and exceeding 70° at nearly all stations on the S^m side of the Mediterranean and the shores of the Adriatic; 63° at Moscow and at Prawle Point. Lowest (1) 51° at Archangel, 52° at Loughborough and York, 53° at Shields, Malin H^d and Stornoway, (2) 53° at Le Mans & Cracow, 55° at Belfort and Vienna. Rising later to between 60° and 65° over the greater part of our Islands, 70° at Cambridge, 72° in London, to 75° at Berlin, Paris and Lisbon.

Wind very light over Europe generally, fresh over the Bay of Biscay. Chiefly SW^n to W^n over Scotland and Ireland, NW^n over the Bay of Biscay, SE^n on the E^m shores of the North Sea, SE^n to E^n over the Mediterranean and extremely variable elsewhere. Shifting to NW. later on the W^m coasts of Scotland and Ireland; very little change reported elsewhere.

Barometer highest 30.1 ins. and more to 30.0 ins. over SE^m and many parts of central Europe, and exceeding 30.0 in. over Lapland, as well as over the Bay of Biscay, and that part of the Atlantic adjoining our extreme SW. coasts. Lowest below 29.5 ins. in a depression over the S^m Italy of Russia; below 29.8 ins. in another off the N. of Scotland, and in a very small system near Belfort. Falling briskly over Scandinavia later, changing little and irregularly over the British Isles and France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday August 22nd 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29.58 | 55 | SW | 2 | 0 | 29.73 | -.07 | 57 | 54 | +3 | W | 2 | b | * | 0 | * | 59 | 50 | 0.16 |
| | Hernösand ... | 29.65 | 58 | S | 4 | b | 29.75 | +.13 | 55 | 50 | -4 | E | 0 | bc | * | b | * | 68 | 48 | — |
| | Stockholm ... | 29.76 | 57 | E | 0 | b | 29.84 | +.10 | 61 | 57 | +3 | E | 0 | b | * | b | * | 63 | 54 | 0.12 |
| | Wisby ... ... | 29.82 | 58 | W | 4 | b | 29.85 | +.12 | 60 | 59 | 0 | S | 4 | b | * | b | * | 63 | 52 | — |
| | Karlstad ... | 29.72 | 59 | SSW | 2 | b | 29.75 | +.03 | 60 | 57 | +6 | SSE | 4 | 0 | * | b | * | * | * | — |
| | Bodö ... ... | 29.63 | 54 | SW | 2 | bc | 29.73 | +.19 | 52 | 50 | -1 | E | 2 | 0 | 1 | bc | * | 55 | 48 | — |
| | Christiansund ... | 29.62 | 57 | WSW | 1 | c | 29.75 | +.15 | 56 | 53 | -1 | SW | 4 | c | 1 | c | * | 60 | 52 | 0.20 |
| | Skudesnaes ... | 29.71 | 57 | WSW | 2 | c | 29.84 | +.16 | 55 | 53 | -2 | NW | 5 | 7 | 2 | c | * | 63 | 52 | * |
| | Færder (Christiania Fjord) | 29.69 | 60 | WSW | 4 | c | 29.71 | +.02 | 61 | 57 | +2 | NNE | 1 | 0 | 2 | c | * | 63 | 59 | 0.04 |
| | Skagen (The Scaw) | 29.76 | 59 | SW | 2 | m | 29.75 | -.01 | 61 | 53 | +2 | W | 1 | bc | 0 | m | * | 66 | 54 | — |
| | Fanö ... ... | 29.75 | 58 | E | 0 | c | 29.81 | -.03 | 57 | 55 | -2 | E | 0 | 7 | * | c | * | 63 | 54 | 0.47 |
| | Sumburgh Head | 29.72 | 52 | N | 3 | 0 | 29.89 | +.35 | 50 | 48 | -2 | N | 1 | c | 2 | c.o | * | 55 | 47 | 0.17 |
| | Stornoway ... | 29.86 | 58 | NNW | 3 | c | 29.99 | +.26 | 53 | 52 | +1 | N | 3 | 0 | 3 | fr.7 c | 3.7 | 60 | 48 | 0.05 |
| | Wick ... ... | 29.82 | 53 | NW | 2 | c | 29.98 | +.30 | 53 | 53 | +1 | NNW | 3 | 0 | 1 | c | * | 60 | 47 | 0.01 |
| | Nairn ... ... | 29.85 | 53 | W | 1 | 7 | 30.00 | +.28 | 53 | 52 | 0 | W | 1 | c | 1 | 7 | * | 62 | 47 | 0.02 |
| | Aberdeen ... | 29.84 | 55 | NW | 3 | bc | 30.01 | +.29 | 56 | 51 | 0 | NW | 3 | bcw | 1 | cf.bc | 6.4 | 63 | 49 | 0.01 |
| British Islands | Leith ... ... | 29.85 | 62 | WSW | 2 | bc | 30.04 | +.29 | 55 | 53 | +3 | WSW | 3 | c | * | bc | * | 69 | 51 | — |
| | Shields ... ... | 29.84 | 58 | E | 0 | cf | 30.05 | +.29 | 55 | 53 | +1 | W | 2 | c | 2 | cf.c | * | 62 | 48 | — |
| | Spurn Head ... | 29.85 | 58 | NW | 3 | b | 30.04 | +.23 | 55 | 53 | -4 | WSW | 3 | c | 3 | f.b | * | 60 | 53 | 0.10 |
| | York ... ... | 29.83 | 64 | NW | 1 | c | 30.05 | +.25 | 56 | 53 | -2 | NNW | 1 | b | * | c | 4.2 | 67 | 46 | — |
| | Loughborough ... | 29.85 | 61 | WSW | 3 | c | 30.09 | +.23 | 56 | 53 | -3 | WSW | 2 | bw | * | cof.bc | * | 64 | 49 | 0.16 |
| | Ardrossan ... | 29.91 | 60 | NW | 4 | bc | 30.06 | +.28 | 57 | 55 | +2 | E | 0 | 0 | 0 | bc | * | 60 | 54 | — |
| | Malin Head ... | 29.99 | 58 | WSW | 4 | 0 | 30.08 | +.23 | 57 | 54 | +2 | W | 3 | 0 | 2 | b.o | * | 59 | 55 | 0.02 |
| | Belmullet ... | 30.03 | 59 | NNW | 2 | bc | 30.15 | +.24 | 60 | 59 | +2 | W | 2 | om | * | c.bc | * | 61 | 57 | 0.06 |
| | Donaghadee ... | 29.97 | 60 | NNW | 5 | bc | 30.12 | +.26 | 58 | 56 | +2 | WSW | 4 | c | 2 | bc | * | 66 | 52 | — |
| | Liverpool (Bidston) | 29.90 | 61 | WSW | 4 | b | 30.10 | +.28 | 59 | 55 | 0 | WSW | 3 | 0 | 3 | f.b | * | 62 | 56 | 0.22 |
| | Holyhead ... | 29.96 | 58 | NW | 3 | c | 30.17 | +.32 | 58 | 57 | 0 | W | 4 | c | 3 | cf.c | * | 59 | 54 | 0.04 |
| | Parsonstown ... | 30.05 | 64 | 2 | 0 | b | 30.20 | +.29 | 56 | 54 | -3 | E | 0 | od | * | d.b | 2.5 | 65 | 50 | 0.02 |
| | Valencia ... | 30.10 | 60 | NW | 3 | om | 30.27 | +.26 | 61 | 60 | +1 | WSW | 1 | om | 2 | tm.om | 0.0 | 61 | 56 | — |
| | Roche's Point .. | 30.02 | 62 | NW | 4 | c | 30.24 | +.30 | 61 | 58 | 0 | NW | 3 | c | 3 | fc | * | 65 | 58 | — |
| | Pembroke (St. Ann's Hd.) | 29.98 | 59 | NE | 3 | c | 30.18 | +.29 | 58 | 55 | -1 | NNW | 4 | c | 4 | c | 1.0 | 61 | 54 | — |
| | Scilly ... ... | 29.99 | 62 | WSW | 4 | om | 30.21 | +.27 | 61 | 60 | 0 | NNW | 4 | c | 3 | c.om | 2.1 | 64 | 58 | 0.01 |
| | Prawle Point ... | 29.93 | 65 | W | 4 | c | 30.17 | +.25 | 63 | 58 | +3 | WSW | 3 | b | 2 | g.c | * | 67 | 51 | — |
| | Jersey (St. Aubin's) | 29.91 | 63 | WSW | 4 | om | 30.15 | +.16 | 63 | 58 | +2 | N | 4 | bcm | 3 | 8m.f | * | 64 | 58 | 0.07 |
| | Hurst Castle ... | 29.84 | 64 | WSW | 3 | bcm | 30.11 | +.19 | 59 | 55 | -3 | NNW | 4 | b | 2 | fd.bcm | * | 65 | 51 | 0.02 |
| | Dungeness ... | 29.82 | 61 | WSW | 3 | cf | 30.04 | +.14 | 59 | 56 | -3 | NNW | 3 | bc | 2 | c.cf | * | 68 | 49 | 0.19 |
| | North Foreland | 29.81 | 61 | SW | 2 | of | 30.04 | +.15 | 60 | 56 | -3 | N | 3 | bc | 3 | o.of | * | 64 | 53 | 0.20 |
| | London (Brixton) ... | 29.83 | 61 | NW | 2 | of | 30.09 | +.18 | 55 | 53 | -4 | N | 1 | c | * | bc.or.bw | 1.2 | 68 | 51 | 0.26 |
| | Oxford ... ... | 29.91 | 57 | NW | 3 | b | 30.11 | +.22 | 59 | 55 | 0 | NNW | 3 | bq | * | of.b | * | 64 | 52 | 0.14 |
| | Cambridge ... | 29.84 | 55 | NW | 1 | of | 30.08 | +.21 | 55 | 53 | -6 | NW | 2 | cmw | * | of | 0.9 | 67 | 48 | 0.36 |
| | Yarmouth ... | 29.78 | 60 | NNW | 2 | 7 | 30.00 | +.15 | 58 | 54 | -2 | NNW | 3 | b | 3 | c.7 | * | 65 | 51 | 0.33 |
| Germany & Holland | Cuxhaven ... | 29.78 | 63 | S | 2 | c | 29.73 | -.12 | 57 | 57 | -2 | E | 0 | 0 | * | 7 | * | 64 | 55 | 0.16 |
| | Berlin ... ... | 29.83 | 60 | 2 | 0 | b | 29.78 | -.12 | 60 | 59 | 0 | SE | 2 | 7 | * | b | * | 72 | 57 | — |
| | Wiesbaden ... | * | * | * | * | * | 29.84 | -.11 | 60 | 57 | -1 | E | 0 | 0 | * | * | * | 72 | 55 | — |
| | Munich... .. | 29.93 | 59 | 2 | 0 | 7 | 29.80 | -.25 | 58 | 58 | 0 | E | 0 | 0 | * | 7 | * | 68 | 55 | 0.39 |
| | The Helder ... | 29.79 | 62 | W | 2 | 0 | 29.90 | +.06 | 59 | 55 | -4 | N | 5 | bc | 4 | 0 | * | 66 | 57 | 0.12 |
| France & Belgium. | Brussels ... | * | * | * | * | * | 29.94 | -.01 | 59 | 55 | +2 | NNW | 4 | 7 | * | 7 | * | 70 | 55 | 0.08 |
| | Cape Gris Nez... | 29.79 | 63 | W | 3 | 7 | 29.97 | +.09 | 58 | 56 | -3 | N | 4 | c | 4 | 7 | * | 68 | 53 | 0.08 |
| | Paris ... ... | 29.88 | 68 | W | 2 | 7 | 29.99 | -.03 | 58 | 55 | +1 | NW | 1 | bc | * | 7 | * | 76 | 56 | 0.12 |
| | Brest ... ... | 30.00 | 60 | WSW | 2 | 0 | 30.17 | ‡ | 57 | 56 | -3 | N | 2 | b | 2 | 0 | * | 63 | 52 | — |
| | Lorient... ... | 29.97 | 63 | NW | 5 | 7 | 30.08 | +.07 | 59 | 59 | 0 | NW | 3 | bc | 1 | 7 | * | 64 | 52 | — |
| | Rochefort ... | 30.02 | 64 | W | 4 | 0 | 30.06 | -.01 | 64 | 63 | +3 | NNW | 6 | c | * | 0 | * | 72 | 61 | 0.12 |
| | Belfort ... ... | 29.86 | 64 | WSW | 1 | c | 29.84 | -.13 | 55 | 55 | -1 | WSW | 2 | m | * | c | * | 74 | 55 | — |
| | Lyons ... | ‡ | 65 | WSW | 1 | c | 29.89 | -.11 | 57 | 56 | -2 | W | 1 | 0 | * | c | * | 71 | 56 | 0.08 |
| | Nice ... ... | 29.86 | 66 | SW | 1 | c | 29.73 | -.17 | 62 | 61 | -1 | E | 1 | 0 | 3 | c | * | 75 | 57 | 0.35 |
| | Perpignan ... | 29.95 | 70 | NW | 4 | b | 29.93 | -.04 | 66 | 62 | +3 | W | 4 | 0 | * | b | * | 74 | 62 | — |
| | Biarritz ... | 30.04 | 64 | WSW | 4 | 7 | 30.07 | +.01 | 65 | 64 | 0 | NNW | 4 | 7 | 5 | 7 | * | 70 | 63 | 0.35 |
| Penin-sula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30.17 | 65 | NNW | 6 | bc | 30.16 | 0.0 | 71 | 62 | +2 | NNW | 4 | bc | * | b. bc | * | 79 | 63 | — |
| | Azores (P. Delgada) | 30.47 | 70 | NE | 3 | c | 30.47 | +.07 | 70 | 64 | 0 | ENE | 4 | c | | c | * | 75 | 68 | — |

*For Explanation of Columns, see bottom of last page.* ‡ *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 6.1 hrs; Eastbourne 0.2 hrs; Hastings (St Leonards) 0.9*

# WEATHER CHARTS

FOR SATURDAY, 22nd AUGUST, 1896.

## BAROMETER, WIND AND SEA.

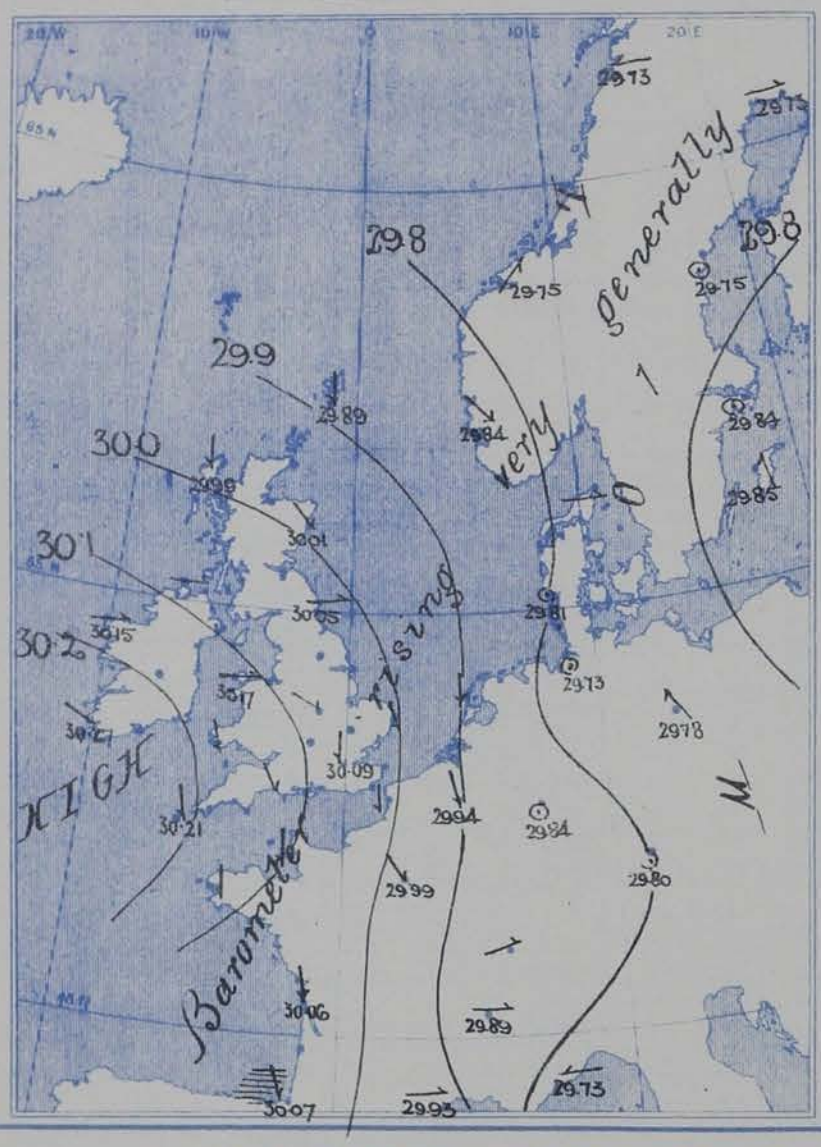
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

*Force above 10* ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

*Force 8 to 10* ⟫⟶ : *Force 1 to 4* ⟶ : }

*SEA*—*Rough* ▤ : *High* ▬

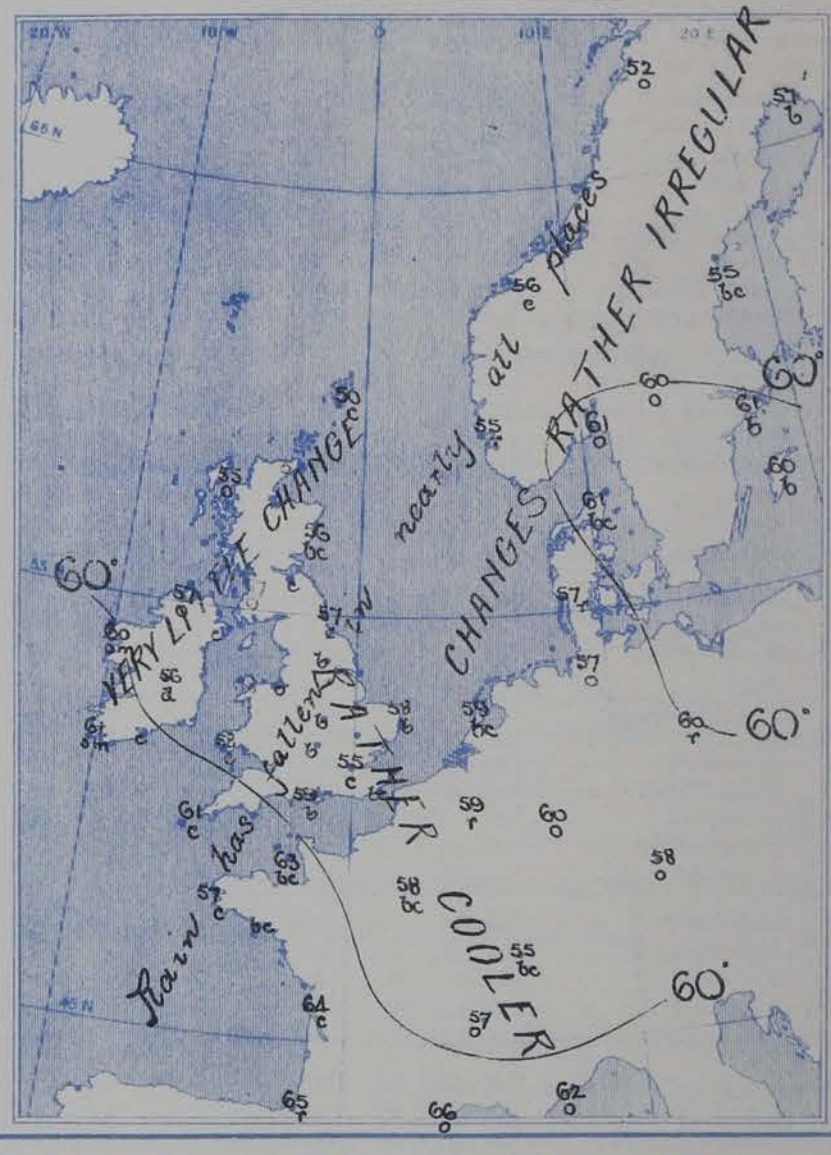



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

*IN THE MONTH OF AUGUST.*

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·930 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.2 ins. and more to 30.0 ins. over the British Islands, France and Spain, and apparently still higher over the Atlantic.
Lowest. Below 29.8 ins. over Scandinavia, Denmark, western and southern Germany.
Gradients slight, and mainly favourable for N^ly winds.
Barometer rising at all our stations, most in the south.

**TEMPERATURE**

Highest 71° at Lisbon, 66° to 62° in the S.W. and S. of France, 63° at Jersey and Prawle Point.
Lowest 50° at Sumburgh Hd., 52° at Bodö, 55° in the extreme N. of Scotland, and at Skudenaes.
The maxima recorded over our Islands were all below 70°, but 72° was the highest reading at Berlin and Wiesbaden, 76° at Paris, 75° at Nice.

**WIND**

NW.$^{ly}$ to N.$^{ly}$ throughout our Islands and their neighbourhood, and moderate to very light in force; S.$^{ly}$ at Wisby and Carlstadt.

**WEATHER**

Fine over France and England, cloudy in Scotland, dull and misty in Ireland — rainy over Germany and the eastern shores of the North Sea.
Rain has fallen at nearly all stations, and the fall has exceeded 0.3 in. at Nice, Biarritz, Cambridge and Yarmouth, and has amounted to 0.47 in. at Paris. Bright Sunshine recorded yesterday was 6.4 hrs. at Aberdeen, 6.1 hrs. at Southport, but very little (0.2 hr. to 1.2 hr.) over the S.E. of England.

**SEA**

Moderate at the Helder and Cape Gris Nez, slight to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine quiet weather is probable over England during the coming day, to be followed by a cold hazy night.

# FORECASTS

*For the 24 hours ending at NOON on* 23RD AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | Wind backing to W^wd^; fair to showery. |
| 1 | SCOTLAND EAST | NW.$^{ly}$ breezes, light; fine, cold tonight. |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | N.$^{ly}$ and NW.$^{ly}$ breezes, light; fine, cold tonight. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 6 | SCOTLAND WEST | Same as No. 0. |
| 7 | ENGLAND N.W. | NW.$^{ly}$ or N.$^{ly}$ breezes, light to moderate; fine, cold and perhaps foggy tonight. |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.67 | 60 | 55 | W | 2 | c | 3 |
| Sumburgh Head | 29.64 | 55 | 53 | WNW | 3 | c | 3 |
| Stornoway ... ... | 29.81 | 55 | 54 | NNW | 3 | c | 3 |
| Aberdeen ... ... | 29.77 | 58 | 53 | NW | 3 | cp | 2 |
| Shields ... ... | 29.79 | 61 | 55 | N | 3 | c | 2 |
| Ardrossan ... ... | 29.83 | 63 | 60 | NW | 4 | bc | 2 |
| Malin Head ... | 29.91 | 59 | 56 | NW | 3 | b | 2 |
| Belmullet ... ... | 29.98 | 61 | 55 | N | 1 | c | * |
| Holyhead ... ... | 29.90 | 59 | 57 | N | 3 | cp | 2 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30.04 | 61 | 60 | WNW | 4 | rm | 4 |
| Scilly ... ... | 29.96 | 64 | 61 | NW | 4 | c | 3 |
| Jersey ... ... | 29.92 | 63 | 62 | WSW | 4 | op | 3 |
| Hurst Castle ... | 29.87 | 63 | 62 | SW | 4 | pd | 2 |
| Dungeness ... | 29.84 | 65 | 61 | WNW | 5 | c | 1 |
| North Foreland | 29.84 | 64 | 60 | W | 1 | o | 2 |
| London (Westminster) | 29.84 | 63 | 60 | W | 3 | o+ | * |
| Yarmouth ... | 29.80 | 65 | 59 | W | 2 | c | 2 |
| Rochefort ... | 30.07 | 70 | 66 | W | 4 | o | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine and bright over SE$^{m}$ and SW$^{n}$ Europe, but very variable elsewhere, — clear in some localities, overcast and showery in many others. Rain falling later in most places, and amounting to nearly half an inch at Fano, and more than 0.3 in at Cambridge, Yarmouth, Munich, Nice and Biarritz.

Temperature highest 81° at Brindisi, and above 70° on the E$^{rn}$ and S$^{rn}$ shores of the Mediterranean generally — as well as at Constantinople. 63° at Nice and Perpignan, as well as at the North Foreland and at the Helder. Lowest 52° at Sumburgh Hd., 53° at Bodo and Archangel, 54° in the N. of Scotland, and at Leith. Rising later to between 65° and 68° over England, to 72° at Berlin, to 75° at Nice, and 76° at Paris.

Wind NW$^{y}$ and W$^{y}$ over the United Kingdom, NW$^{y}$ to N$^{y}$ over France, but S$^{y}$ over Scandinavia and the Baltic; Light and very variable elsewhere. A cyclonic circulation of very moderate winds prevailing over the Mediterranean. Wind becoming more N$^{y}$ over the British Islands later.

Barometer highest (30.2 ins and more over Portugal and the adjacent part of the Atlantic, and exceeding 30.0 ins. in the SW. of Ireland, the Bay of Biscay and greater part of France; (2) 30.1 ins. and more to 30.5 ins. in another anticyclone lying over SE$^{rn}$ Europe. Lowest 29.6 ins. and less in a depression lying off the NW$^{rn}$ coasts of Europe, and below 29.8 ins. over the N$^{rn}$ parts of Gt. Britain and the North Sea, and the whole of Scandinavia. Rising over the British Islands later; changing very little on the Continent.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Sunday August 23rd 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia. | Haparanda ... | 29.90 | 52 | Z | 0 | bc | 29.96 | +.23 | 48 | 48 | −9 | Z | 0 | f | * | bc | * | 63 | 46 | — |
| | Hernösand ... | 29.86 | 53 | Z | 0 | f | 29.88 | +.13 | 59 | 58 | +4 | NE | 4 | c | * | f | * | 68 | 45 | — |
| | Stockholm ... | 29.86 | 58 | Z | 0 | c | 29.84 | 0.0 | 57 | 56 | −4 | Z | 0 | 0 | * | c | * | 68 | 53 | — |
| | Wisby ... ... | 29.86 | 60 | SE | 4 | c | 29.78 | −.07 | 60 | 59 | 0. | NE | 4 | 0 | * | c | * | 64 | 52 | — |
| | Karlstad ... | 29.80 | 59 | SE | 2 | 0 | 29.82 | +.07 | 57 | 55 | −3 | ENE | 2 | 0 | * | 0.f | * | * | * | 0.28 |
| | Bodö ... ... | 29.82 | 56 | Z | 0 | b | 29.84 | +.14 | 54 | 52 | +2 | SW | 2 | bc | 1 | b | * | 59 | 50 | — |
| | Christiansund ... | 29.89 | 55 | WNW | 4 | c | 29.90 | +.15 | 53 | 49 | −3 | W | 4 | 0 | 3 | c | * | 57 | 52 | — |
| | Skudesnaes ... | 29.95 | 53 | NNW | 6 | c | 29.95 | +.11 | 54 | 50 | −1 | NNE | 1 | c | 1 | 0.c | * | 55 | 48 | * |
| | Færder (Christiania Fjord) | 29.80 | 62 | WSW | 1 | b | 29.85 | +.14 | 58 | 56 | −3 | N | 1 | c | 1 | b | * | 62 | 57 | — |
| | Skagen (The Scaw) | 29.84 | 62 | Z | 0 | b | 29.85 | +.10 | 60 | 57 | −1 | Z | 0 | bc | 0 | b | * | 70 | 50 | — |
| | Fanö ... ... | 29.89 | 57 | NW | 6 | c | 29.93 | +.12 | 57 | 52 | 0 | NW | 5 | c | * | c | * | 64 | 54 | — |
| | Sumburgh Head | 29.92 | 53 | NNW | 1 | c | 29.90 | +.01 | 53 | 50 | +3 | NW | 3 | 0 | 3 | b.c | * | 56 | 49 | 0.07 |
| | Stornoway ... | 29.93 | 56 | SW | 4 | 0 | 30.03 | +.04 | 53 | 52 | −2 | W | 2 | 0 | 2 | 0.of | 0.2 | 59 | 50 | — |
| | Wick ... ... | 29.98 | 55 | SW | 2 | 0 | 30.01 | +.03 | 54 | 54 | −1 | NW | 4 | 0 | 1 | 0 | * | 62 | 48 | 0.04 |
| | Nairn ... ... | 29.97 | 58 | W | 1 | 0 | 30.03 | +.03 | 56 | 54 | +1 | Z | 0 | c | 1 | 0 | * | 64 | 54 | — |
| | Aberdeen ... | 30.00 | 55 | SE | 2 | bc | 30.04 | +.03 | 58 | 54 | +2 | NNW | 3 | bc | 1 | bc.f | 5.0 | 66 | 53 | 0.01 |
| British Isles. | Leith ... ... | 30.02 | 60 | W | 3 | 0 | 30.05 | +.01 | 58 | 55 | +1 | W | 3 | 0 | * | 0 | * | 67 | 55 | — |
| | Shields ... ... | 30.06 | 62 | W | 2 | 0 | 30.03 | −.02 | 60 | 57 | +3 | WNW | 3 | 0 | 2 | c.o.f | * | 62 | 53 | — |
| | Spurn Head ... | 30.10 | 63 | SW | 3 | c | 30.04 | 0.0 | 63 | 61 | +6 | WNW | 3 | cr | | c. f | * | 63 | 55 | 0.01 |
| | York ... ... | 30.10 | 62 | WNW | 1 | c | 30.06 | +.01 | 63 | 59 | +7 | W | 2 | c | * | c | 7.2 | 68 | 56 | — |
| | Loughborough ... | 30.14 | 61 | WNW | 4 | c | 30.12 | +.03 | 61 | 59 | +5 | WNW | 2 | of | * | bc.c.o | * | 68 | 53 | — |
| | Ardrossan ... | 30.04 | 56 | SSW | 3 | of | 30.05 | −.01 | 57 | 56 | 0 | NW | 2 | 0 | 1 | 0.of | * | 61 | 55 | c.c.i |
| | Malin Head ... | 30.08 | 58 | W | 5 | of | 30.08 | 0.0 | 55 | 55 | −2 | NW | 2 | of† | 2 | 0.of† | * | 59 | 55 | 0.26 |
| | Belmullet ... | 30.22 | 59 | W | 3 | 0 | 30.13 | −.02 | 60 | 60 | 0 | W | 3 | om | * | om.o | * | 62 | 59 | 0.25 |
| | Donaghadee ... | 30.12 | 62 | W | 3 | 0 | 30.10 | −.02 | 57 | 57 | −1 | NE | 2 | + | 0 | 0 | * | 64 | 56 | 0.27 |
| | Liverpool (Bidston) | 30.15 | 59 | W | 3 | of | 30.12 | +.02 | 60 | 58 | +1 | W | 4 | + | 3 | bc.of | * | 64 | 56 | 0.06 |
| | Holyhead ... | 30.17 | 58 | SW | 3 | 0 gdm | 30.15 | −.02 | 60 | 59 | +2 | SSW | 2 | om | 1 | om.gdm | * | 63 | 56 | 0.01 |
| | Parsonstown ... | 30.22 | 62 | W | 2 | 0 | 30.18 | −.02 | 61 | 60 | +5 | W | 2 | m | * | c.d,bc | 3.7 | 72 | 55 | 0.02 |
| | Valencia ... | 30.32 | 61 | W | 3 | om | 30.26 | −.01 | 62 | 61 | +1 | WSW | 3 | om | 4 | om | 0.0 | 62 | 58 | 0.03 |
| | Roche's Point .. | 30.29 | 66 | NW | 4 | bc | 30.24 | 0.0 | 64 | 61 | +3 | WNW | 3 | bc | 3 | bc | * | 69 | 59 | — |
| | Pembroke (St. Ann's Hd.) | 30.23 | 58 | WNW | 3 | 0 | 30.23 | +.05 | 60 | 59 | +2 | WNW | 4 | 0g | 4 | 0 | 1.1 | 61 | 57 | — |
| | Scilly ... ... | 30.27 | 62 | WNW | 4 | om | 30.28 | +.07 | 60 | 59 | −1 | WNW | 4 | omf | 4 | c.om | 5.1 | 65 | 59 | 0.04 |
| | Prawle Point ... | 30.22 | 64 | NW | 4 | bc | 30.22 | +.05 | 66 | 62 | +3 | W | 4 | c | 3 | bc | * | 73 | 58 | — |
| | Jersey (St. Aubin's) | 30.23 | 64 | W | 4 | bc | 30.26 | +.11 | 65 | 62 | +2 | WNW | 4 | cm | 3 | b.bc | * | 69 | 60 | — |
| | Hurst Castle ... | 30.16 | 69 | NNW | 2 | bc | 30.19 | +.08 | 65 | 62 | +6 | WSW | 2 | om | 1 | bc | * | 71 | 58 | — |
| | Dungeness ... | 30.10 | 64 | NNW | 2 | bc | 30.14 | +.10 | 62 | 58 | +3 | WSW | 3 | c | 2 | c.bc | * | 67 | 51 | — |
| | North Foreland | 30.12 | 62 | NE | 2 | c | 30.15 | +.11 | 59 | 55 | −1 | W | 2 | 0g | 2 | c | * | 67 | 54 | — |
| | London (Brixton) ... | 30.14 | 63 | NW | 2 | bc | 30.15 | +.06 | 61 | 58 | +6 | W | 1 | 0 | * | bc.c | 7.8 | 68 | 54 | — |
| | Oxford ... ... | 30.17 | 61 | WNW | 2 | 0 | 30.15 | +.04 | 62 | 60 | +3 | WSW | 3 | 0 | * | 0 | * | 67 | 58 | — |
| | Cambridge ... | 30.12 | 64 | NW | 2 | b | 30.13 | +.05 | 60 | 59 | +5 | SW | 1 | d | * | b | 8.2 | 68 | 53 | — |
| | Yarmouth ... | 30.10 | 61 | N | 2 | bc | 30.09 | +.09 | 57 | 55 | −1 | W | 2 | cm | 2 | b.bc. | * | 64 | 51 | — |
| Germany & Holland. | Cuxhaven ... | 29.87 | 61 | N | 3 | bc | 29.98 | +.25 | 58 | 57 | +1 | NNW | 3 | bc | * | bc.f | * | 63 | 55 | 0.04 |
| | Berlin ... ... | 29.82 | 59 | Z | 0 | + | 29.95 | +.17 | 56 | 53 | −4 | WNW | 4 | c | * | + | * | 72 | 53 | 0.08 |
| | Wiesbaden ... | * | * | * | * | * | 30.17 | +.33 | 57 | 53 | −3 | NW | 2 | bc | * | * | * | 66 | 53 | 0.12 |
| | Munich... .. | 30.00 | 55 | W | 4 | + | 30.17 | +.37 | 52 | 50 | −6 | NW | 5 | 0 | * | + | * | 59 | 51 | 1.02 |
| | The Helder ... | 30.05 | 59 | NNW | 4 | c | 30.08 | +.18 | 60 | 55 | +1 | WSW | 3 | c | 1 | c | * | 61 | 59 | — |
| Belgium. | Brussels ... | * | * | * | * | * | 30.16 | +.22 | 58 | 54 | −1 | SSW | 1 | bc | * | c | * | 66 | 52 | 0.04 |
| | Cape Gris Nez... | 30.06 | 64 | NW | 1 | 0 | 30.11 | +.14 | 62 | 58 | +4 | WNW | 2 | m | 2 | 0 | * | 68 | 57 | — |
| | Paris ... ... | 30.13 | 65 | NNW | 3 | b | 30.24 | +.25 | 53 | 52 | −5 | S | 2 | b | * | b | * | 71 | 49 | — |
| | Brest ... ... | 30.29 | 62 | NNW | 2 | b | 30.32 | +.15 | 59 | 59 | +2 | NW | 1 | c | 2 | b | * | 66 | 54 | — |
| | Lorient... ... | 30.20 | 66 | NNW | 4 | b | 30.31 | +.23 | 61 | 61 | +2 | WNW | 4 | c | 2 | b | * | 70 | 54 | — |
| France & | Rochefort ... | 30.19 | 63 | NW | 5 | b | 30.31 | +.25 | 61 | 59 | −3 | N | 4 | bc | * | b | * | 73 | 57 | — |
| | Belfort ... ... | 30.02 | 58 | NW | 1 | + | 30.19 | +.35 | 53 | 50 | −2 | W | 1 | m | * | + | * | 66 | 46 | — |
| | Lyons ... | 30.04 | 60 | N | 2 | b | 30.21 | +.32 | 55 | 51 | −2 | NNW | 2 | b | * | b | * | 69 | 51 | 0.24 |
| | Nice ... ... | 29.78 | 60 | E | 1 | 0 | 29.86 | +.13 | 63 | 58 | +5 | ENE | 4 | 0 | 0 | 0 | * | 67 | 57 | 0.59 |
| | Perpignan ... | 30.02 | 72 | NW | 3 | b | 30.18 | +.25 | 66 | 57 | 0 | NW | 3 | b | * | b | * | 77 | 63 | — |
| | Biarritz ... | 30.19 | 68 | NNW | 4 | bc | 30.28 | +.21 | 67 | 63 | +2 | NW | 5 | c | 4 | bc | * | 70 | 64 | 0.04 |
| Penin-sula. | Corunna ... | 30.31 | 65 | NNW | 4 | + | 30.32 | +.03 | 64 | 61 | +1 | N | 4 | b | 4 | + | * | 65 | 57 | 0.24 |
| | Lisbon ... ... | 30.12 | 72 | N | 6 | b | 30.14 | −.02 | 75 | 62 | +4 | NE | 5 | b | * | b | * | 84 | 71 | — |
| | Azores (P. Delgada) | 30.49 | 70 | ENE | 4 | 0 | 30.44 | −.03 | 69 | 62 | −1 | ENE | 4 | 0 | 3 | bc.o | * | 75 | 66 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 1.5 hrs; Eastbourne 9.2 hrs.*

# WEATHER CHARTS

FOR SUNDAY, 23rd AUGUST, 1896.

## BAROMETER, WIND AND SEA.

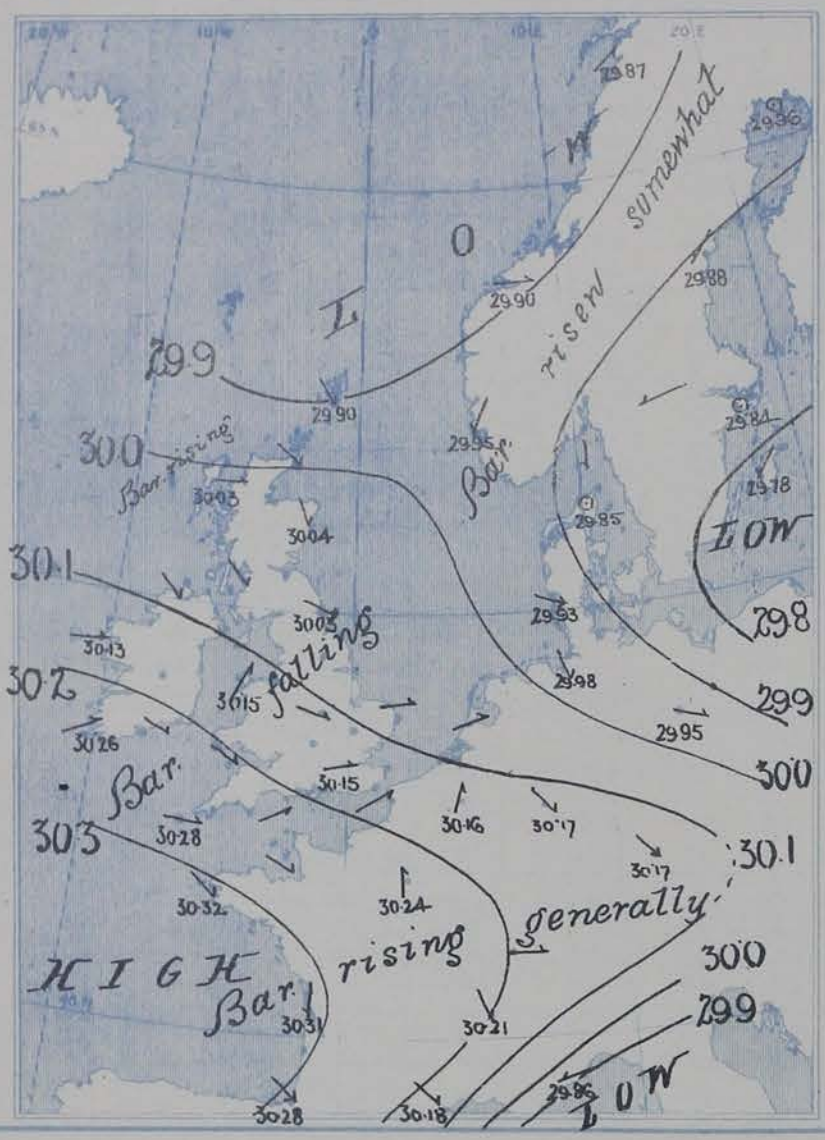
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ▭ ; High ▬

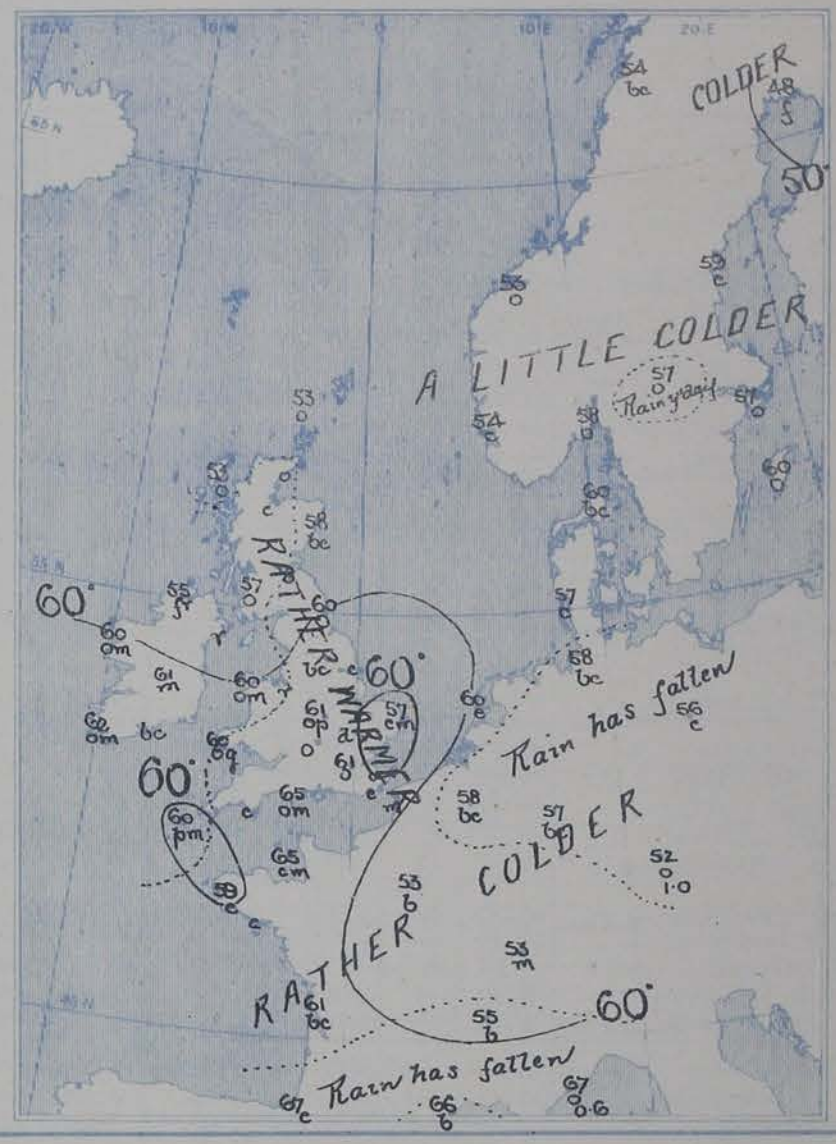



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus —0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 30 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 85, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30·3 ins. and more over the Bay of Biscay, and exceeding 30·1 ins. over Ireland, the greater part of England, with France and South Germany.
Lowest. Below 29·8 ins. over the Baltic, and below 29·7 ins. off the NW. of Norway, as well as over the Riviera & Gulf of Genoa.
Gradients slight, and mainly favourable for W. to NW. winds over the United Kingdom.
Barometer, falling again in the west of Ireland; rising over England and Scotland.

**TEMPERATURE**

Highest 75° at Lisbon, 67° to 66° on the S. and SW. coasts of France, 66° to 60° over the greater part of England & Ireland
Lowest (1) 48° at Haparanda, 53° at Sunderland Nd. and Stornoway, 55° at Malin Hd., 56° at Nairn, (2) 52° at Wiesbaden, 53° at Belfort and Paris.
The maxima recorded yesterday exceeded 70° at Parsonstown and some of the English South coast stations, and touched 71° at Paris, 72° at Berlin, 77° at Perpignan, 84° at Lisbon.

**WIND**

NW. ½ to W. ½, and moderate at most of our stations, NW. ½ to N. ½ over the Bay of Biscay; NW. ½ over Germany, but NE. ½ at the Swedish stations, as well as at Nice and Lisbon. In the west of Ireland the wind was backing again.

**WEATHER**

Cloudy and unsettled over the United Kingdom as a whole and in Norway; very fine over France, cloudy over Germany.
A general fall of rain has occurred over Germany and southern Europe — most (1·02 ins.) at Munich, and 0·6 in. at Nice. A fresh fall has set in at our own W. stations — a quarter of an inch in the N. of Ireland. Bright Sunshine yesterday was 8·2 hrs. at Cambridge, 7·2 hrs. at York, 5·8 hrs. in London.

**SEA**

Moderate on our southwestern and extreme western coasts, slight to smooth elsewhere.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

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# FORECASTS

*For the 24 hours ending at NOON on* 24TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. | DISTRICTS. | | FORECASTS. |
|---|---|---|---|---|---|
| 0 | SCOTLAND NORTH | NONE ISSUED. | 6 | SCOTLAND WEST | NONE ISSUED. |
| 1 | SCOTLAND EAST | | 7 | ENGLAND N.W. | |
| 2 | ENGLAND N.E. | | 8 | ENGLAND S.W. | |
| 3 | ENGLAND EAST | | 9 | IRELAND NORTH | |
| 4 | MIDLAND COUNTIES | | 10 | IRELAND SOUTH | |
| 5 | ENGLAND SOUTH | | | WARNINGS | NONE ISSUED. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudenaes ... | 29.90 | 54 | 52 | NNW | 6 | o | 2 |
| Sumburgh Head | 29.95 | 54 | 49 | W | 1 | b | 2 |
| Stornoway ... ... | 29.98 | 59 | 56 | W | 3 | o | 3 |
| Aberdeen ... ... | 30.03 | 59 | 55 | SE | 3 | bc | 2 |
| Shields ... ... | 30.06 | 59 | 55 | E | 3 | c | 2 |
| Ardrossan ... ... | 30.07 | 60 | 58 | S | 2 | o | o |
| Malin Head ... | 30.08 | 59 | 58 | W | 4 | o | 2 |
| Belmullet ... ... | 30.20 | 60 | 59 | W | 3 | om | * |
| Holyhead ... ... | 30.18 | 61 | 59 | W | 3 | om | 2 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 30.32 | 62 | 61 | W | 4 | om | 4 |
| Scilly ... ... | 30.27 | 63 | 60 | NW | 4 | c | 3 |
| Jersey ... ... | 30.22 | 68 | 59 | WNW | 3 | b | 3 |
| Hurst Castle ... | 30.15 | 71 | 60 | NNE | 2 | bc | 2 |
| Dungeness ... | 30.09 | 64 | 58 | SW | 3 | c | 2 |
| North Foreland | 30.10 | 67 | 58 | NW. | 2 | c | 2 |
| London (Westminster) | 30.11 | 66 | 56 | NW | 3 | bc | * |
| Yarmouth ... | 30.07 | 63 | 56 | NNW | 3 | b | 3 |
| Rochefort ... | 30.16 | 72 | 66 | NW | 4 | b | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the Spanish Peninsula and over the greater part of southeastern Europe – very changeable elsewhere – temporarily clear at a few stations, but cloudy or overcast at the others, and rainy over central Europe; lightning at Leghorn. Rain falling later in considerable quantities both over southern and central Europe, fine weather holding over England, but a fresh fall setting in over Ireland, and beginning to spread N^wds and E^wds.

Temperature in morning – highest 86° at Brindisi, and exceeding 70° on the southern shores of the Mediterranean generally; 63° at Jersey and Prawle Point, 61° at Valencia (Ireland). Lowest 50° at Sumburgh H., 52° at Rodø, 55° at Skudenaes, Cambridge, London, Paris and Belfort. Rising later to a little above 70° at some of our own stations, to 71° at Paris, 72° at Berlin, 77° at Perpignan, and 84° at Lisbon.

Wind (1) moderate from W. over Scotland, NW^ly over England, and N^ly over the N. of France, the Bay of Biscay and Spain; (2) light and mainly S^ly or SE^ly over central and northern Europe; (3) nearly calm between these two currents, (4) A separate cyclonic circulation of moderate to strong winds prevailing over the N^rn parts of the Mediterranean. Hardly any change over our Islands and W^n Europe during day.

Barometer Highest (1) 30.0 ins. to 30.2 ins. and more over the British Islands, the west of France, Spain, and all the adjoining parts of the Atlantic; (2) 30.1 ins. and more to 30.0 ins. over the Black Sea and south of Russia. Lowest. Below 29.8 ins. over Scandinavia, Denmark, NW^rn and N^rn Germany, and also in a well marked depression over the northeastern parts of the Mediterranean. Rising later over France, England and the North Sea, but beginning to fall again in the northwest of Scotland.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

# DAILY WEATHER REPORT

*for 8 a.m. on* Monday August 24th 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29.89 | 53 | Z | 0 | bc | 29.62 | −.24 | 59 | 53 | +9 | NE | 2 | c | * | bc | * | 66 | 41 | — |
| | Hernösand ... | 29.85 | 52 | Z | 0 | c | 29.81 | −.07 | 57 | 56 | −2 | NW | 2 | c | * | c | * | 64 | 52 | — |
| | Stockholm ... | 29.84 | 59 | Z | 0 | 0 | 29.81 | −.03 | 59 | 57 | +2 | Z | 0 | 0 | * | 0 | * | 66 | 54 | 0.08 |
| | Wisby ... ... | 29.85 | 59 | N | 4 | 0 | 29.84 | +.06 | 60 | 58 | 0 | SW | 4 | b | * | 0 | * | 68 | 50 | — |
| | Karlstad ... | 29.82 | 56 | Z | 0 | b | 29.82 | 0.0 | 52 | 52 | −5 | NNW | 2 | f | * | b.+ | * | * | * | — |
| | Bodö ... ... | 29.89 | 54 | Z | 0 | c | 29.90 | +.03 | 54 | 52 | 0 | S | 1 | 0 | 0 | c | * | 57 | 50 | 0.20 |
| | Christiansund ... | 29.92 | 58 | NNW | 1 | bc | 29.88 | −.07 | 52 | 50 | −1 | NE | 3 | b | 4 | bc | * | 58 | 50 | — |
| | Skudesnaes ... | 29.94 | 55 | NW | 2 | 0 | 29.84 | −.11 | 55 | 53 | +1 | NNW | 2 | c | 2 | c.0 | * | 59 | 48 | * |
| | Færder (Christiania Fjord) | 29.82 | 62 | WNW | 1 | b | 29.82 | −.05 | 58 | 57 | 0 | NE | 2 | 0 | 1 | b | * | 64 | 55 | — |
| | Skagen (The Scaw) | 29.87 | 55 | W | 1 | b | 29.82 | −.05 | 59 | 57 | −1 | WNW | 1 | b | 0 | b | * | 66 | 52 | — |
| | Fanö ... ... | 29.94 | 59 | WNW | 4 | c | 29.88 | −.05 | 59 | 57 | +2 | WNW | 4 | c | * | c | * | 64 | 54 | — |
| British Islands. | Sumburgh Head | 29.95 | 54 | WNW | 2 | c | 29.60 | −.30 | 55 | 51 | 0 | SSE | 3 | 0 | 5 | c | * | 57 | 50 | — |
| | Stornoway ... | 29.96 | 55 | WNW | 3 | 0 | 29.60 | −.43 | 54 | 53 | +1 | W | 3 | bc | 3 | 0 | 0.0 | 57 | 50 | 0.05 |
| | Wick ... ... | 30.03 | 55 | W | 1 | 0 | 29.65 | −.36 | 56 | 55 | +2 | W | 4 | 0 | 1 | 0 | * | 61 | 51 | — |
| | Nairn ... ... | 29.97 | 59 | E | 1 | c | 29.61 | −.42 | 59 | 56 | +3 | W | 1 | c | 1 | c | * | 64 | 48 | 0.02 |
| | Aberdeen ... | 30.04 | 54 | S | 2 | 0g | 29.64 | −.40 | 55 | 52 | −3 | SSW | 2 | 0+g | 1 | 0g | 1.9 | 61 | 53 | 0.31 |
| | Leith ... ... | 30.01 | 65 | E | 1 | c | 29.61 | −.44 | 56 | 56 | −2 | NNW | 1 | + | * | c.+ | * | 68 | 55 | 0.51 |
| | Shields ... ... | 30.06 | 58 | E | 2 | 0 | 29.61 | −.42 | 63 | 61 | +3 | SW | 4 | 0 | 2 | 0.+ | * | 63 | 55 | 0.27 |
| | Spurn Head ... | 30.06 | 59 | Z | 0 | 0 | 29.76 | −.28 | 62 | 61 | −1 | SSW | 4 | + | 3 | 0p | * | 66 | 57 | 0.15 |
| | York ... ... | 30.07 | 64 | NNW | 1 | 0 | 29.74 | −.32 | 62 | 61 | −1 | SSW | 4 | 0 | * | 0 | 0.6 | 68 | 55 | 0.22 |
| | Loughborough ... | 30.09 | 64 | NNW | 2 | c | 29.78 | −.34 | 62 | 61 | +1 | SW | 5 | +qu | * | cp.+q | * | 70 | 60 | 0.11 |
| | Ardrossan ... | 30.02 | 60 | Z | 0 | or | 29.70 | −.35 | 59 | 58 | +2 | NNW | 4 | cp | 3 | or | * | 65 | 55 | 0.44 |
| | Malin Head ... | 30.03 | 59 | N | 1 | 0 | 29.77 | −.31 | 56 | 54 | +1 | W | 6 | op | 3 | 0.+m | * | 59 | 55 | 0.33 |
| | Belmullet ... | 30.02 | 60 | SSW | 1 | om | 29.89 | −.24 | 58 | 55 | −2 | NNW | 2 | 0 | * | 0.om | * | 62 | 58 | 0.58 |
| | Donaghadee ... | 30.06 | 58 | NNE | 2 | 0 | 29.79 | −.31 | 61 | 59 | +4 | W | 4 | c | 2 | 0 | * | 61 | 56 | 0.40 |
| | Liverpool (Bidston) | 30.09 | 62 | W | 3 | fo | 29.81 | −.31 | 62 | 60 | +2 | WSW | 6 | 0+ | 5 | fo | * | 64 | 58 | 0.61 |
| | Holyhead ... | 30.11 | 64 | W | 1 | ogfd | 29.86 | −.29 | 60 | 59 | −4 | W | 5 | c | 4 | ogfd | * | 65 | 58 | 0.56 |
| | Parsonstown ... | 30.13 | 65 | SW | 1 | 0 | 29.92 | −.26 | 61 | 59 | 0 | WW | 2 | 0 | * | od.o+ | 0.4 | 67 | 59 | 0.54 |
| | Valencia ... | 30.17 | 63 | SW | 3 | om | 30.00 | −.26 | 60 | 59 | −2 | WW | 2 | 0 | 3 | om | 0.0 | 63 | 58 | 0.31 |
| | Roche's Point .. | 30.17 | 68 | W | 3 | bc | 29.96 | −.28 | 62 | 61 | −2 | NNW | 3 | + | 3 | bc.+ | * | 71 | 60 | 0.20 |
| | Pembroke (St. Ann's Hd.) | 30.19 | 60 | W | 3 | f | 29.96 | −.27 | 61 | 60 | +1 | W | 6 | +qu | 5 | f | 1.3 | 64 | 59 | 0.10 |
| | Scilly ... ... . | 30.26 | 62 | W | 4 | om | 30.12 | −.16 | 64 | 61 | +4 | SW | 5 | 0 | 4 | om.f | 0.4 | 65 | 59 | — |
| | Prawle Point .. | 30.21 | 65 | WNW | 4 | c | 30.09 | −.13 | 61 | 61 | −5 | WNW | 5 | m | 4 | c.m.f | * | 74 | 59 | 0.01 |
| | Jersey (St. Aubin's) | 30.24 | 64 | WNW | 4 | bc | 30.16 | −.07 | 64 | 62 | −1 | WSW | 5 | 0q | 4 | c.bc | * | 69 | 62 | — |
| | Hurst Castle ... | 30.15 | 71 | WNW | 3 | c | 30.08 | −.11 | 65 | 62 | 0 | WSW | 4 | om | 3 | c | * | 72 | 62 | — |
| | Dungeness ... | 30.09 | 65 | WSW | 4 | c | 30.01 | −.13 | 63 | 62 | +1 | WSW | 5 | fo | 4 | c | * | 66 | 59 | 0.15 |
| | North Foreland | 30.10 | 67 | W | 2 | c | 30.02 | −.13 | 62 | 60 | +3 | SW | 3 | 0 | 3 | o. c | * | 67 | 55 | 0.52 |
| | London (Brixton) ... | 30.09 | 68 | W | 2 | cfo | 30.02 | −.13 | 63 | 61 | +2 | SW | 3 | 0+ | * | ofo.bcv | 0.7 | 74 | 60 | 0.10 |
| | Oxford ... ... | 30.12 | 64 | WSW | 2 | bc | 29.98 | −.17 | 62 | 61 | 0 | SW | 4 | 0+ | * | c.bc | * | 75 | 60 | 0.06 |
| | Cambridge ... | 30.07 | 68 | W | 1 | cu | 29.94 | −.19 | 62 | 61 | +2 | SW | 4 | + | * | cfu | 0.3 | 70 | 59 | 0.07 |
| | Yarmouth ... | 30.06 | 61 | NNW | 2 | c | 29.93 | −.16 | 62 | 60 | +5 | WSW | 3 | od | 2 | c | * | 65 | 55 | 0.03 |
| Germany & Holland. | Cuxhaven ... | 29.97 | 59 | W | 1 | 0 | 29.92 | −.06 | 59 | 59 | +1 | Z | 0 | c | * | o.d | * | 63 | 57 | 0.04 |
| | Berlin ... ... | 30.01 | 59 | WNW | 4 | c | 29.99 | +.04 | 56 | 54 | 0 | W | 2 | 0 | * | c | * | 64 | 52 | — |
| | Wiesbaden ... | * | * | * | * | * | 30.09 | −.08 | 60 | 58 | +3 | Z | 0 | 0 | * | * | * | 64 | 57 | 0.04 |
| | Munich... .. | 30.24 | 52 | W | 2 | c | 30.18 | +.01 | 53 | 50 | +1 | W | 5 | 0 | * | c | * | 59 | 48 | 0.04 |
| | The Helder ... | 30.02 | 61 | NW | 3 | 0 | 29.97 | −.09 | 60 | 57 | 0 | SW | 1 | 0 | 1 | 0 | * | 63 | 57 | — |
| Belgium. | Brussels ... | * | * | * | * | * | 30.07 | −.09 | 62 | 61 | +4 | SW | 3 | 0 | * | 0 | * | 66 | 58 | 0.08 |
| | Cape Gris Nez... | 30.08 | 64 | W | 3 | + | 30.03 | −.08 | 62 | 61 | 0 | W | 4 | 0 | 4 | + | * | 68 | 57 | 0.16 |
| | Paris ... ... | 30.15 | 66 | NW | 2 | + | 30.19 | −.05 | 60 | 59 | +1 | SSW | 2 | + | * | + | * | 70 | 53 | 0.04 |
| | Brest ... ... | 30.30 | 62 | NW | 2 | 0 | 30.22 | −.10 | 60 | 60 | +1 | WSW | 1 | 0 | 2 | 0 | * | 63 | 53 | 0.04 |
| | Lorient... ... | 30.27 | ? | NNW | 3 | bc | 30.28 | −.03 | 61 | 59 | 0 | Z | 0 | 0 | 0 | bc | * | 68 | 50 | — |
| France & | Rochefort ... | 30.28 | 66 | NW | 4 | c | 30.28 | −.03 | 63 | 63 | +2 | NW | 3 | 0 | * | bc.c | * | 72 | 61 | — |
| | Belfort ... ... | 30.17 | 60 | W | 2 | c | 30.21 | +.02 | 53 | 53 | 0 | SSW | 1 | f | * | c | * | 68 | 52 | 0.04 |
| | Lyons ... ... | 30.23 | 61 | N | 1 | bc | 30.25 | +.04 | 61 | 56 | +6 | NNW | 1 | cq | * | bc | * | 68 | 55 | — |
| | Nice ... ... | 29.91 | 69 | Z | 0 | b | 30.09 | +.23 | 67 | 58 | 0 | Z | 0 | b | 1 | b | * | 79 | 61 | — |
| | Perpignan ... | 30.13 | 72 | NW | 5 | b | 30.21 | +.03 | 69 | 60 | +3 | NW | 4 | b | * | b | * | 78 | 64 | — |
| | Biarritz ... | 30.28 | 68 | NW | 4 | c | 30.25 | −.03 | 62 | 61 | −5 | Z | 0 | 0 | 4 | c | * | 70 | 61 | 0.12 |
| Penin-sula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30.09 | 77 | NNE | 4 | b | 30.11 | −.03 | 75 | 59 | 0 | ENE | 4 | b | * | b | * | 91 | 73 | — |
| | Azores (P. Delgada) | | | | | | | | | | | | | | | | * | | | |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 0.2 hrs; Eastbourne 0.5 hrs. Hastings (St. Leonards) 1.1 hrs.*

# WEATHER CHARTS

FOR MONDAY, 24TH AUGUST, 1896.

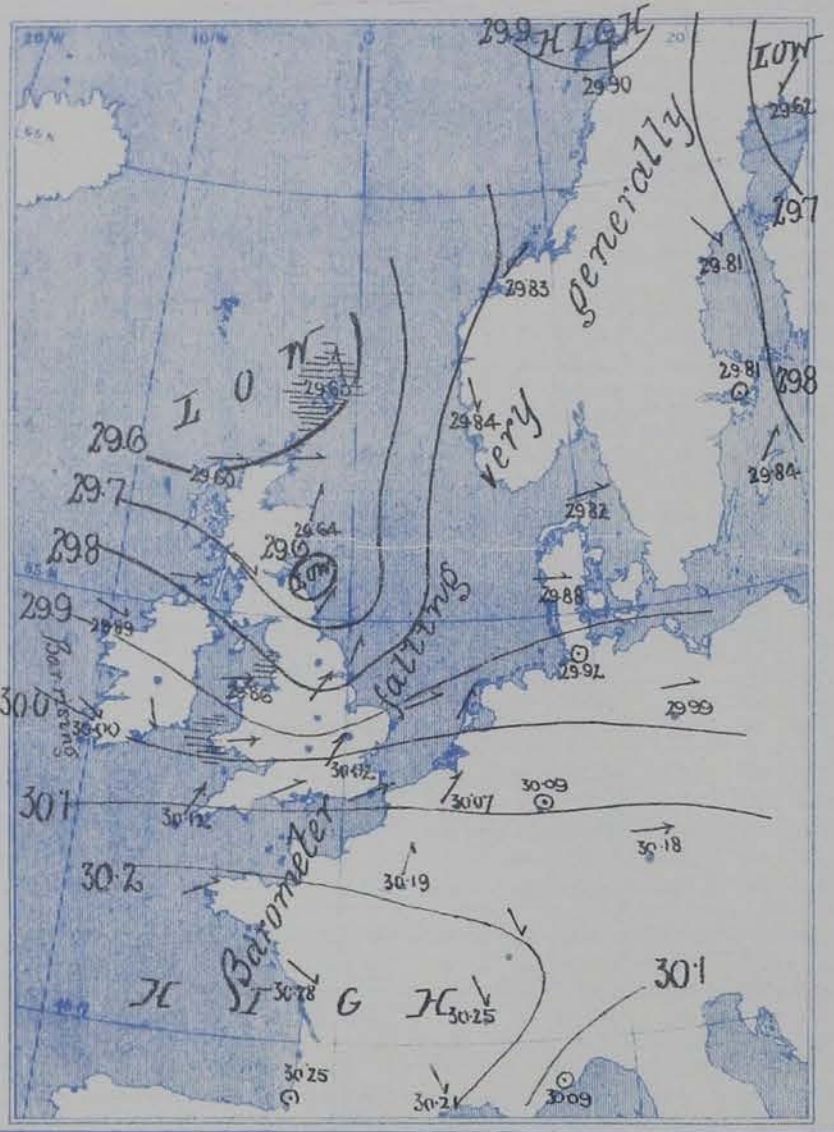
## BAROMETER, WIND AND SEA.

*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶ ; Force 5 to 7 ⟶ ; Force 1 to 4 ⟶ ; Calm ⊙

*SEA*—Rough ; High




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus 0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE** — Highest 30.2 ins. and more, to 30.1 ins. in an anticyclonic system spreading in from the Atlantic to France, the south of England and South Germany.
Lowest. Below 29.6 ins. in a depression off the N. of Scotland, and in a well-marked secondary over the southeastern parts of Scotland.
Gradients rather steep over the northern parts of Ireland and the north and east of England.
Barometer beginning to rise again at our extreme W.rn stations, but was still falling in the N.E. & E.

**TEMPERATURE** — Highest 67° at Nice, and above 60° over England generally and the south of Ireland.
Lowest 52° at Carlstadt and Christiansund, 53° at Dunbeath Pt., 54° at Stornoway, 55° at Aberdeen.
The highest of the maxima recorded yesterday were 70° to 75° over the inland parts of England, 71° at Rocket's Pt., 79° at Nice, but only 70° at Paris, and 64° at Berlin.

**WIND** — Very variable from between S.W. and N.W. over the British Islands and their neighbourhood, as well as over the southern half of Scandinavia — W.ly over Germany. In our Islands it was moderate to fresh in force.

**WEATHER** — Cloudy and unsettled generally, with rain at times. Rain had fallen on all but our extreme S.W.rn coasts; at Leith, Holyhead, Liverpool and Parsonstown the fall had exceeded half an inch. Bright Sunshine recorded yesterday did not amount to 2 hrs. at any of our stations.

**SEA** — Rather rough at some of our western stations, smooth in the N.E. and E., moderate elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of showers, separated by bright intervals, is probable, generally.

# FORECASTS

*For the 24 hours ending at NOON on* 25TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | NW.ly breezes, moderate; showery, bright intervals. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | W.ly to NW.ly breezes, very showery, but some bright intervals. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | NW.ly and W.ly winds; very changeable and showery, cooler |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.95 | 59 | 54 | WSW | 2 | c | 1 |
| Sumburgh Head | | | | | | | |
| Stornoway ... ... | 30.01 | 57 | 55 | NNW | 2 | o | 2 |
| Aberdeen ... ... | | | | | | | |
| Shields ... ... | | | | | | | |
| Ardrossan ... ... | | | | | | | |
| Malin Head ... | 30.09 | 59 | 57 | NW | 2 | o | 2 |
| Belmullet ... ... | 30.12 | 61 | 60 | WSW | 4 | o | * |
| Holyhead ... ... | | | | | | | |
| Valencia ... ... | | | | | | | |
| Scilly ... ... | | | | | | | |
| Jersey ... ... | 30.27 | 67 | 63 | NW | 4 | c | 3 |
| Hurst Castle ... | | | | | | | |
| Dungeness ... | 30.11 | 65 | 64 | WSW | 3 | c | 2 |
| North Foreland | 30.13 | 65 | 62 | W | 2 | o | 2 |
| London (Westminster) | | | | | | | * |
| Yarmouth ... | | | | | | | |
| Rochefort ... | 30.32 | 70 | 66 | NW | 4 | bc | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

*Continental information not received.*

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 16TH TO 22ND AUGUST 1896.

During the past week there has been a steadily increasing tendency for the prevalence of rainy weather in all parts of our Islands. The anticyclone which prevailed over France and England on Monday gave way to a series of depressions, which advanced from the Atlantic – their central areas passing over the northern regions, while their secondaries spread southwards to all parts of England. From Wednesday to Friday the distribution was very complex, but a new anticyclone then arrived off our southwestern coasts, and a temporary clearing up of the weather took place. At the close of the week, however, this anticyclone was moving southwards, and a new series of disturbances was advancing from the westward, and apparently likely to bring rain again to all regions.

The wind has varied greatly – from SE. and S., round by W. to N.; on Monday the 5th wind blew strongly on our western coast, and a gale was reported at Belmullet.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Tuesday August 25th 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L. | Temp. Dry Bulb. | Wind. Direc. | Force (0 to 12.) | Weather | THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L. | Change since Yesterday. | Temperature. Dry Bulb. | Wet Bulb. | Change since Yesterday. | Wind. Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Weather. | Hours of Bright Sunshine. | Temp. Max. | Temp. Min. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ins. | ° | | | | Ins. | Ins | ° | ° | ° | | | | | | | ° | ° | Ins. |
| SCANDINAVIA. | Haparanda ... | 29.75 | 55 | E | 2 | r | 29.59 | −.03 | 52 | 49 | −5 | ENE | 4 | o | * | r | * | 64 | 48 | 0.20 |
| | Hernösand ... | 29.70 | 55 | 2 | 0 | o | 29.56 | −.25 | 58 | 55 | +1 | SE | 2 | c | * | o | * | 63 | 50 | — |
| | Stockholm ... | 29.71 | 55 | 2 | 0 | b | 29.50 | −.31 | 60 | 58 | +1 | SE | 2 | o | * | b | * | 66 | 54 | — |
| | Wisby ... ... | 29.75 | 55 | S | 2 | b | 29.53 | −.31 | 59 | 56 | −1 | S | 4 | b | * | b | * | 63 | 52 | — |
| | Karlstad .. | 29.65 | 61 | SSW | 2 | o | 29.26 | −.56 | 56 | 54 | +4 | E | 8 | r | * | 0.r | * | * | * | 0.12 |
| | Bodö ... ... | 29.73 | 58 | E | 2 | bc | 29.60 | −.30 | 58 | 53 | +4 | E | 4 | bc | 1 | bc | * | 59 | 52 | — |
| | Christiansund ... | 29.95 | 53 | NNW | 1 | bc | 29.40 | −.43 | 53 | 51 | +1 | E | 1 | r | 1 | bc | * | 61 | 52 | 0.12 |
| | Skudesnaes ... | 29.58 | 55 | S | 4 | o | 29.46 | −.38 | 55 | 52 | o | NNW | 4 | c | 2 | o | * | 58 | 50 | * |
| | Færder (Christiania Fjord) | 29.62 | 59 | SSE | 2 | o | 29.52 | −.50 | 55 | 52 | −3 | NNW | 6 | c | 2 | o | * | 64 | 52 | 1.02 |
| | Skagen (The Scaw) | 29.59 | 59 | S | 3 | r | 29.41 | −.41 | 58 | 53 | −1 | NW | 6 | b | 3 | r | * | 63 | 54 | 0.12 |
| | Fanö ... ... | 29.52 | 60 | W | 7 | c | 29.60 | −.28 | 58 | 55 | −1 | W | 6 | c | * | c | * | 63 | 55 | 0.16 |
| BRITISH ISLANDS. | Sumburgh Head | 29.47 | 53 | W | 3 | b | 29.38 | −.22 | 51 | 47 | −2 | W | 3 | bc | 4 | bc.b | * | 56 | 47 | 0.18 |
| | Stornoway | 29.55 | 53 | W | 4 | bc | 29.54 | −.06 | 50 | 49 | −4 | NW | 3 | c | 3 | q.o.bc | q.o | 58 | 45 | 0.24 |
| | Wick ... ... | 29.56 | 55 | SW | 5 | c | 29.50 | −.15 | 54 | 52 | −2 | NW | 6 | c.p | 2 | c | * | 62 | 45 | 0.05 |
| | Nairn ... ... | 29.60 | 55 | W | 3 | o | 29.53 | −.06 | 52 | 48 | −7 | WSW | 2 | c | 2 | o | * | 62 | 47 | 0.10 |
| | Aberdeen ... | 29.63 | 55 | W | 4 | bq | 29.56 | −.08 | 55 | 48 | 0 | W | 2 | bc | 1 | bc.q.p.bq | 8.3 | 68 | 45 | 0.02 |
| | Leith ... ... | 29.70 | 58 | W | 3 | b | 29.62 | +.01 | 54 | 50 | −2 | W | 3 | c | * | b | * | 68 | 48 | 0.01 |
| | Shields ... ... | 29.74 | 65 | W | 4 | c | 29.69 | +.08 | 55 | 51 | −8 | W | 4 | c | 2 | c | * | 69 | 49 | — |
| | Spurn Head ... | 29.79 | 62 | W | 5 | o | 29.74 | −.02 | 58 | 55 | −4 | W | 5 | c | 3 | o | * | 67 | 52 | — |
| | York ... ... | 29.80 | 64 | W | 3 | bc | 29.76 | +.02 | 54 | 51 | −8 | WSW | 3 | c | * | bc | 4.7 | 71 | 47 | — |
| | Loughborough ... | 29.86 | 64 | WSW | 3 | c | 29.83 | +.05 | 56 | 52 | −6 | W | 2 | b.w | * | q.p.c.o.b | * | 70 | 49 | 0.04 |
| | Ardrossan ... | 29.76 | 55 | W | 4 | c | 29.65 | −.05 | 56 | 53 | −3 | W | 4 | c.p | 3 | bc.c | * | 62 | 51 | 0.04 |
| | Malin Head ... | 29.78 | 55 | W | 6 | c.q | 29.71 | −.06 | 53 | 49 | −3 | NW | 6 | o.q.p | 4 | o.c.q | * | 59 | 50 | 0.22 |
| | Belmullet ... | 29.92 | 55 | W | 5 | bc | 29.83 | −.06 | 55 | 50 | −3 | NNW | 4 | bc | * | c.bc | * | 61 | 55 | 0.05 |
| | Donaghadee ... | 29.84 | 58 | W | 5 | o | 29.76 | −.03 | 54 | 52 | −7 | WSW | 4 | c | 2 | o | * | 68 | 47 | 0.01 |
| | Liverpool (Bidston) | 29.86 | 61 | W | 3 | o | 29.78 | −.03 | 54 | 51 | −8 | WSW | 5 | r | 4 | o.p | * | 65 | 51 | 0.07 |
| | Holyhead ... | 29.89 | 60 | SW | 2 | o.q | 29.82 | −.04 | 55 | 53 | −5 | W | 4 | c | 3 | c.o.q | * | 65 | 52 | — |
| | Parsonstown ... | 29.95 | 59 | W | 2 | o | 29.84 | −.08 | 52 | 51 | −9 | W | 1 | bc | * | o.p.bc | 2.1 | 65 | [illegible] | 0.08 |
| | Valencia ... | 30.01 | 60 | W | 2 | o.q | 29.93 | −.07 | 57 | 53 | −3 | W | 4 | c.p | 4 | o.m.o.q | 0.0 | 63 | 53 | 0.04 |
| | Roche's Point .. | 29.98 | 63 | NW | 3 | c | 29.91 | −.05 | 58 | 55 | −4 | NNW | 3 | b | 3 | c | * | 68 | 55 | — |
| | Pembroke (St. Ann's Hd.) | 29.96 | 60 | W | 3 | o | 29.88 | −.08 | 58 | 54 | −3 | NW | 4 | bc | 4 | o | 0.8 | 62 | 53 | 0.26 |
| | Scilly ... ... | 30.02 | 63 | WSW | 5 | m | 29.94 | −.18 | 60 | 58 | −4 | WNW | 3 | b.c.p | 4 | m | 0.5 | 68 | 57 | 0.39 |
| | Prawle Point ... | 30.00 | 61 | WSW | 5 | r | 29.91 | −.18 | 59 | 57 | −2 | WSW | 3 | o | 2 | d.f.r | * | 64 | 55 | 0.35 |
| | Jersey (St. Anbin's) | 30.11 | 66 | WSW | 6 | o.q | 29.96 | −.23 | 62 | 60 | −2 | W | 5 | o.q.c | 4 | b.o.q.p | * | 70 | 60 | 0.17 |
| | Hurst Castle ... | 29.94 | 65 | WSW | 7 | o.p.d | 29.89 | −.19 | 61 | 59 | −4 | W | 2 | c | 2 | o.m.o.p.d | * | 69 | 59 | 0.18 |
| | Dungeness ... | 29.89 | 64 | SW | 6 | o | 29.85 | −.16 | 60 | 59 | −3 | WSW | 3 | o | 2 | o | * | 65 | 58 | 0.25 |
| | North Foreland | 29.87 | 65 | SW | 3 | o.q.p | 29.84 | −.18 | 60 | 59 | −2 | SW | 2 | o | 2 | o.o.q.p.b | * | 68 | 58 | 0.26 |
| | London (Erirton) ... | 29.90 | 65 | WSW | 3 | o.p | 29.87 | −.15 | 59 | 56 | −4 | W | 2 | bc | * | o.r | 0.0 | 69 | 57 | 0.12 |
| | Oxford ... ... | 29.90 | 62 | WSW | 4 | o | 29.86 | −.12 | 58 | 56 | −4 | WSW | 3 | o | * | o.r | * | 65 | 54 | 0.14 |
| | Cambridge ... | 29.85 | 64 | SW | 1 | o | 29.84 | −.10 | 57 | 53 | −5 | NW | 1 | o | * | o.r.q | 0.0 | 69 | 54 | 0.24 |
| | Yarmouth ... | 29.82 | 62 | WSW | 2 | c | 29.81 | −.12 | 58 | 53 | −4 | W | 3 | bc | 2 | c.q.c.p | * | 67 | 52 | 0.19 |
| GERMANY & HOLLAND. | Cuxhaven ... | 29.76 | 60 | S | 5 | r.m | 29.69 | −.23 | 60 | 60 | +1 | W | 5 | o | * | r.m.c | * | 68 | 57 | 0.20 |
| | Berlin ... ... | 29.91 | 63 | SW | 2 | o | 29.77 | −.22 | 59 | 57 | +3 | W | 4 | r | * | o | * | 68 | 56 | 0.20 |
| | Wiesbaden ... | * | * | * | * | * | 29.91 | −.18 | 64 | 61 | +4 | SW | 3 | o | * | * | * | 70 | 60 | 0.04 |
| | Munich... .. | 30.21 | 57 | W | 2 | o | 30.10 | −.08 | 61 | 58 | +8 | SW | 4 | c | * | o | * | 61 | 53 | 0.08 |
| | The Helder ... | 29.78 | 62 | WSW | 5 | o | 29.78 | −.19 | 60 | 55 | o | W | 4 | c | 2 | o | * | 64 | 60 | 0.28 |
| BELGIUM. | Brussels ... | * | * | * | * | * | 29.88 | −.19 | 57 | 56 | −5 | SW | 1 | r | * | r | * | 66 | 56 | 0.83 |
| | Cape Gris Nez ... | 29.89 | 64 | W | 6 | o | 29.84 | −.19 | 61 | 59 | −1 | W | 4 | o | 4 | o | * | 66 | 57 | 0.59 |
| | Paris ... ... | 30.12 | 69 | SW | 2 | c | [illegible] | | [illegible] | | | [illegible] | [illegible] | [illegible] | * | c | * | [illegible]79 | 60 | [illegible] |
| | Brest ... ... | 30.15 | 62 | SW | 3 | c | 29.98 | −.24 | 60 | 60 | o | SW | 3 | r | 3 | c | * | 64 | 57 | 0.08 |
| | Lorient... ... | 30.24 | 64 | WNW | 3 | c | 30.05 | −.23 | 63 | 62 | +2 | WSW | 5 | o | 4 | c | * | 68 | 55 | — |
| FRANCE & | Rochefort ... | 30.26 | 67 | NW | 4 | bc | 30.16 | −.12 | 63 | 63 | o | W | 4 | c | * | bc | * | 72 | 61 | — |
| | Belfort ... | 30.15 | 63 | WSW | 1 | o | 30.05 | −.16 | 61 | 58 | +8 | WSW | 4 | bc | * | o | * | 69 | 53 | — |
| | Lyons ... ... | 30.20 | 70 | N | 1 | bc | 30.16 | −.09 | 61 | 58 | o | SSE | 1 | b | * | c.bc | * | 74 | 55 | — |
| | Nice ... ... | 30.12 | 65 | SW | 1 | b | 30.14 | +.05 | 65 | 59 | −2 | E | 0 | b | 0 | b | * | 77 | 59 | — |
| | Perpignan ... | 30.19 | 75 | NW | 3 | b | 30.15 | −.06 | 68 | 61 | −1 | SW | 1 | b | * | b | * | 82 | 59 | — |
| | Biarritz ... | 30.22 | 70 | N | 3 | b | 30.16 | −.09 | 63 | 59 | +1 | ESE | 2 | b | 2 | b | * | 72 | 59 | — |
| PENINSULA. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30.04 | 80 | N | 5 | b | 30.09 | −.02 | 73 | 62 | −2 | WSW | 4 | b | * | b | * | 93 | 72 | — |
| | Azores (P. Delgada) | 30.32 | 70 | NE | 2 | o | 30.34 | +.03 | 69 | 63 | o | ENE | 4 | c | | c.o | * | 75 | 68 | |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster*

*Bright Sunshine yesterday Southport 5.7 hrs; Eastbourne 0.2 hrs; Hastings (St. Leonards) 0.2 hr.*

# WEATHER CHARTS

FOR TUESDAY, 25TH AUGUST, 1896.

## BAROMETER, WIND AND SEA.

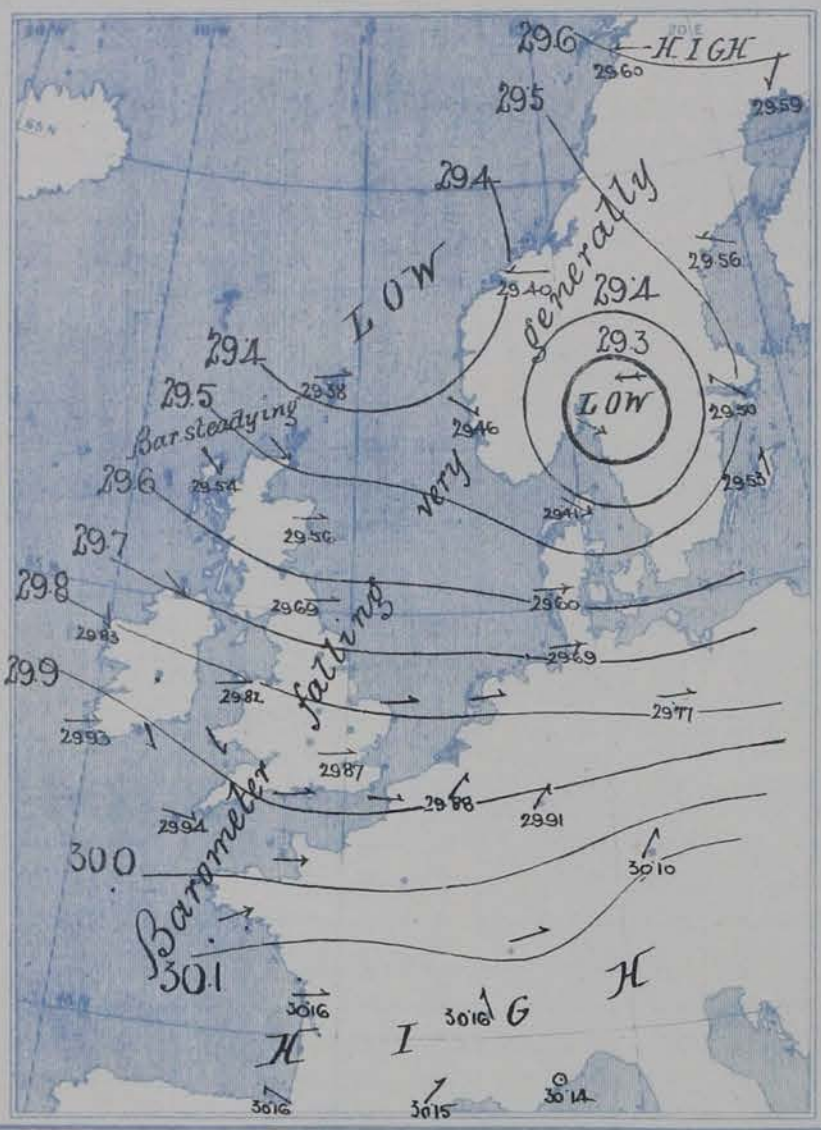
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟫⟶ : Force 5 to 7 ⟶ : } Calm ⊙

Force 8 to 10 ⟫⟶ : Force 1 to 4 ⟶ : }

*SEA*—Rough : High




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 3·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 89 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30·1 ins. and upwards in an anticyclone lying over the Bay of Biscay, Spain and the S. parts of France.
Lowest 29·3 ins. and less in a small depression having its centre near Karlstad and also in a larger disturbance lying off the west of Norway.
Gradients slight generally, but moderate over the south of Sweden.
Barometer falling generally, – slightly in our Islands and France, but briskly in the S. of Scandinavia.

**TEMPERATURE**

Highest 73° at Lisbon, 68° at Perpignan, 65° at Nice, 64° at Wiesbaden, and 63° at Lorient, Rochefort & Biarritz.
Lowest 50° at Stornoway, 51° at Sumburgh Hd., 52° at Haparanda, Nairn and Parsonstown, and 53° at Christiansund and Malin Head.
During yesterday the thermometer rose to 65° and upwards in most parts of the United Kingdom, to 70° at Loughborough and Jersey, and to 71° at York.

**WIND**

Light to fresh from the NW. in Ireland and Scotland; W. or SW. in most other parts of W. Europe, and strong in force on the eastern shores of the North Sea.
Light to moderate from the E. over the northern parts of Scandinavia; calm or variable in the S. of France.

**WEATHER**

In a cloudy unsettled state generally, with passing showers at many of our own western and northern stations, and with steady rain at Christiansund, Karlstad, Brussels and Berlin.
Fine and bright in the south of France.
Rain fell yesterday in most parts of NW. Europe, the largest amounts being 1·0 in. at Faarder 0·8 in. at Brussels, and 0·6 in. at Cape Gris Nez. Lightning was seen last night at the North Foreland.

**SEA**

Moderate to smooth.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is still a tendency for the passage across our Islands of small secondary depressions, and showery weather is therefore likely to continue in most districts.

# FORECASTS

*For the 24 hours ending at NOON on* 26TH AUGUST. 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | NW. winds, fresh, cool, changeable, some showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No. 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | W. winds, moderate or fresh, changeable, some showers, cooler. |
| 6 | SCOTLAND WEST | |
| 7 | ENGLAND N.W. | Same as Nos. 0 and 1. |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes | 29.70 | 58 | 54 | SSW | 4 | o | 3 |
| Sumburgh Head | 29.49 | 54 | 51 | W | 3 | bc | 4 |
| Stornoway | 29.60 | 54 | 54 | NW | 6 | o | 6 |
| Aberdeen | 29.61 | 62 | 56 | NW | 4 | bcqp | 2 |
| Shields | 29.68 | 67 | 60 | W | 5 | c | 2 |
| Ardrossan | 29.74 | 60 | 56 | W | 4 | bc | 3 |
| Malin Head | 29.81 | 58 | 51 | W | 6 | o | 4 |
| Belmullet | 29.93 | 59 | 53 | W | 4 | c | * |
| Holyhead | 29.90 | 64 | 61 | W | 4 | c | 3 |
| Valencia | 30.03 | 61 | 59 | WNW | 2 | om | 3 |
| Scilly | 30.07 | 65 | 63 | SW | 6 | m | 3 |
| Jersey | 30.14 | 70 | 64 | W | 5 | b | 4 |
| Hurst Castle | 30.01 | 66 | 63 | SW | 6 | om | 4 |
| Dungeness | 29.94 | 64 | 63 | WSW | 5 | o | 4 |
| North Foreland | 29.91 | 68 | 63 | SW | 3 | o | 2 |
| London (Westminster) | 29.91 | 65 | 65 | WSW | 3 | op | * |
| Yarmouth | 29.81 | 67 | 64 | WSW | 5 | cq | 3 |
| Rochefort | 30.29 | 72 | 67 | NW | 4 | bc | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning cloudy and unsettled over W^n. Europe generally, with rain in many places. Rainy also over Finland and the Baltic Provinces, but fine in most other parts of the Continent. Rain falling during day in most of the NW^n. and N^n. countries, — heavily at Flardor and Brussels; lightning seen at the N. Foreland at night.

Temperature changed very irregularly. Morning readings highest 79° at Athens and Patras, 75° at Lisbon and San. Fernando, and 74° at Barcelona; above 65° over S^n. Europe generally, and above 60° at most of the English and Irish stations. Lowest (1) 52° at Carlstad and Christiansund, 53° at Sumburgh H^d, and 54° at Bodö and Stornoway, (2) 53° at Vienna, Munich and Belfort. Rising during day to between 65° and 70° in most part of our Islands; exceeding 75° in the S. of France, and reaching 82° at Perpignan, 93° at Lisbon.

Wind NW^ly in Ireland and Scotland, but SW^ly over England, the Netherlands and the N. of France, and strong on many parts of our W^n. coasts. Light from the W^wd over Denmark, Germany and Austria; S^ly or SE^ly over the central and southern parts of Russia; N^ly (NE & NW) over Finland and Sweden. Variable in the S. of France; E^ly or NE^ly at most of the Spanish and Italian stations; W^ly or SW^ly in Greece. Subsequently backing to the W^wd in Ireland and Scotland; no important change occurring elsewhere.

Barometer Highest 30.2 ins. and upwards in an anticyclone lying over Spain, the Bay of Biscay and the greater part of France. Lowest (1) 29.6 ins. and less in a depression lying off the N. of Scotland (2) in a small secondary system off the Northumberland coast (3) in another small system near S^t. Petersburg. Depressions in our neighbourhood subsequently moving E^wds, but barometer beginning to fall again on our W^n. coasts in evening.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on* Wednesday August 26th 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia. | Haparanda ... | 29.61 | 46 | S | 0 | b | 29.52 | −.07 | 49 | 49 | −3 | NE | 2 | o | * | b | * | 57 | 45 | — |
| | Hernösand ... | 29.37 | 55 | E | 6 | † | 29.42 | −.14 | 55 | 52 | −3 | E | 4 | c | * | † | * | 61 | 50 | 0.47 |
| | Stockholm ... | 29.48 | 54 | ESE | 2 | b | 29.58 | +.08 | 57 | 52 | −3 | ESE | 4 | b | * | b | * | 64 | 54 | — |
| | Wisby ... ... | 29.58 | 59 | W | 8 | b | 29.67 | +.14 | 59 | 52 | 0 | E | 6 | c | * | b | * | 64 | 50 | — |
| | Karlstad ... | 29.37 | 56 | SSW | 8 | b | 29.46 | +.20 | 55 | 51 | −1 | SSW | 6 | b | * | b | * | * | * | 0.08 |
| | Bodö ... ... | 29.51 | 57 | E | 2 | b | 29.47 | −.13 | 53 | 47 | −5 | E | 4 | b | 1 | b | * | 63 | 50 | — |
| | Christiansund ... | 29.42 | 50 | WNW | 4 | † | 29.39 | −.01 | 51 | 50 | −2 | W | 4 | † | 3 | † | * | 53 | 48 | 1.46 |
| | Skudesnaes ... | 29.49 | 54 | NW | 2 | c | 29.53 | +.07 | 51 | 49 | −4 | NW | 4 | † | 2 | c | * | 58 | 45 | * |
| | Færder (Christiania Fjord) | 29.56 | 62 | W | 6 | b | 29.45 | +.13 | 55 | 50 | 0 | SW | 4 | b | 4 | b | * | 64 | 53 | — |
| | Skagen (The Scaw) | 29.51 | 56 | W | 4 | bc | 29.52 | +.13 | 52 | 51 | −4 | WNW | 3 | bc | 1 | bc | * | 61 | 48 | — |
| | Fanö ... ... | 29.60 | 55 | W | 4 | c | 29.52 | −.08 | 54 | 53 | −4 | SE | 2 | c | * | c | * | 63 | 52 | 0.04 |
| | Sumburgh Head | 29.59 | 52 | WSW | 3 | b | 29.52 | +.14 | 53 | 50 | +2 | S | 0 | b | 2 | bc.b | * | 56 | 44 | 0.01 |
| | Stornoway ... | 29.53 | 54 | NW | 3 | o | 29.57 | +.03 | 50 | 50 | 0 | NE | 3 | c | 3 | p.bc.o | 9.4 | 56 | 45 | 0.19 |
| | Wick ... ... | 29.49 | 47 | NW | 3 | bc | 29.53 | +.07 | 53 | 51 | −1 | W | 1 | b | 1 | bc | * | 55 | 38 | 0.10 |
| | Nairn ... ... | 29.52 | 53 | WNW | 3 | c | 29.54 | −.01 | 50 | 48 | −2 | WSW | 1 | c | 0 | c | * | 58 | 40 | 0.05 |
| | Aberdeen ... | 29.54 | 51 | SSE | 2 | bc | 29.57 | +.01 | 52 | 47 | −3 | W | 1 | bco | 1 | fq.cp.l | 6.4 | 59 | 37 | 0.05 |
| | Leith ... ... | 29.56 | 53 | W | 4 | c | 29.53 | −.04 | 52 | 49 | −2 | WSW | 2 | c | * | c | * | 63 | 44 | 0.04 |
| | Shields ... ... | 29.60 | 55 | SW | 3 | bc | 29.56 | −.13 | 53 | 49 | −2 | SW | 2 | bc | 2 | bc.p.bc | * | 63 | 45 | — |
| | Spurn Head ... | 29.63 | 58 | WSW | 4 | c | 29.56 | −.18 | 53 | 51 | −5 | WNW | 5 | b.q | 3 | q.t.p | * | 60 | 48 | 0.02 |
| | York ... ... | 29.64 | 60 | W | 2 | bc | 29.58 | −.18 | 51 | 48 | −3 | W | 1 | b | * | bc | 7.8 | 66 | 42 | — |
| | Loughborough ... | 29.69 | 55 | W | 1 | c | 29.64 | −.19 | 51 | 48 | −3 | W | 3 | bco | * | cp.t.h | * | 62 | 46 | 0.12 |
| British Islands. | Ardrossan ... | 29.60 | 54 | W | 4 | bcp | 29.53 | −.12 | 56 | 53 | 0 | NW | 3 | bc | 2 | cp.bcp | * | 58 | 49 | 0.06 |
| | Malin Head ... | 29.68 | 52 | W | 6 | opq | 29.58 | −.13 | 52 | 50 | −1 | NW | 7 | op | 4 | o.opq | * | 54 | 49 | 0.45 |
| | Belmullet ... | 29.82 | 54 | NNW | 5 | c | 29.93 | +.10 | 55 | 52 | 0 | NNW | 7 | cpq | * | bc.c | * | 57 | 50 | 0.29 |
| | Donaghadee ... | 29.71 | 51 | WNW | 4 | p | 29.60 | −.16 | 51 | 50 | −3 | W | 4 | c | 2 | p | * | 60 | 45 | 0.12 |
| | Liverpool (Bidston) | 29.68 | 56 | WNW | 4 | bc | 29.60 | −.18 | 52 | 48 | −2 | W | 4 | o | 4 | bc.p | * | 59 | 49 | 0.23 |
| | Holyhead ... | 29.72 | 54 | NW | 3 | c | 29.65 | −.17 | 52 | 51 | −3 | W | 7 | oq | 5 | c | * | 61 | 48 | 0.24 |
| | Parsonstown ... | 29.81 | 52 | W | 1 | bc | 29.78 | −.06 | 51 | 50 | −1 | W | 2 | op | * | bcp.r | 6.6 | 58 | 46 | 0.16 |
| | Valencia ... | 29.93 | 57 | NW | 7 | bcqp | 29.98 | +.05 | 56 | 52 | −1 | WNW | 6 | cq | 6 | bcqp | 7.7 | 59 | 50 | 0.08 |
| | Roche's Point .. | 29.84 | 56 | NW | 5 | bcp | 29.88 | −.03 | 56 | 52 | −2 | NW | 5 | bc | 4 | pq.bcp | * | 61 | 50 | 0.01 |
| | Pembroke (St. Ann's Hd.) | 29.95 | 60 | NNE | 5 | bc | 29.96 | −.12 | 54 | 51 | −4 | NW | 6 | bc | 5 | bc | 7.8 | 60 | 50 | 0.04 |
| | Scilly ... ... | 29.84 | 59 | NW | 6 | bcp | 29.87 | −.07 | 58 | 53 | −2 | NW | 6 | cq | 4 | bcp | 8.2 | 63 | 52 | 0.08 |
| | Prawle Point ... | 29.77 | 59 | WSW | 5 | c | 29.79 | −.12 | 53 | 50 | −6 | WNW | 5 | ctql | 4 | ctql | * | 64 | 47 | 0.12 |
| | Jersey (St. Aubin's) | 29.81 | 63 | W | 5 | b | 29.84 | −.12 | 55 | 51 | −5 | WNW | 5 | cqth | 4 | cp.t.p | * | 65 | 54 | 0.09 |
| | Hurst Castle ... | 29.71 | 62 | WNW | 3 | c | 29.72 | −.17 | 55 | 52 | −6 | W | 4 | bc | 2 | pt.bc.c | * | 67 | 48 | 0.03 |
| | Dungeness ... | 29.69 | 63 | WSW | 3 | c | 29.68 | −.22 | 54 | 50 | −6 | WNW | 5 | bc | 4 | bc.c.l | * | 67 | 49 | 0.01 |
| | North Foreland | 29.68 | 60 | W | 2 | op | 29.60 | −.24 | 54 | 51 | −6 | WNW | 4 | bc | 2 | o.op.l | * | 67 | 51 | 0.02 |
| | London (Brixton) ... | 29.69 | 57 | WNW | 2 | cp | 29.67 | −.20 | 52 | 49 | −7 | WNW | 3 | bc | * | bc.cp.l | 5.0 | 68 | 48 | 0.20 |
| | Oxford ... ... | 29.68 | 54 | N | 1 | c | 29.68 | −.18 | 52 | 48 | −6 | W | 3 | b | * | cp | * | 65 | 45 | 0.39 |
| | Cambridge ... | 29.68 | 57 | NNE | 1 | b | 29.68 | −.21 | 51 | 48 | −6 | WNW | 3 | b | * | pb | 5.9 | 67 | 46 | 0.09 |
| | Yarmouth ... | 29.67 | 60 | N | 3 | bc | 29.57 | −.24 | 54 | 50 | −4 | NW | 4 | bc | 3 | bc | * | 65 | 49 | — |
| Germany & Holland. | Cuxhaven ... | 29.67 | 63 | WNW | 1 | c | 29.47 | −.22 | 55 | 53 | −5 | E | 4 | o | * | c | * | 63 | 52 | — |
| | Berlin ... ... | 29.80 | 59 | SW | 2 | c | 29.55 | −.22 | 59 | 58 | 0 | W | 2 | o | * | c | * | 63 | 53 | 0.24 |
| | Wiesbaden ... | * | * | * | * | * | 29.56 | −.35 | 57 | 57 | −7 | S | 0 | † | * | * | * | 66 | 57 | 1.54 |
| | Munich ... .. | 29.96 | 62 | S | 0 | b | 29.78 | −.37 | 62 | 60 | +1 | W | 1 | bc | * | b | * | 72 | 54 | — |
| | The Helder ... | 29.69 | 55 | NW | 1 | † | 29.49 | −.29 | 53 | 50 | −7 | NW | 4 | † | 2 | † | * | 63 | 53 | 0.32 |
| Belgium. | Brussels ... | * | * | * | * | * | 29.55 | −.33 | 54 | 52 | −3 | SW | 2 | † | * | † | * | 66 | 52 | 0.28 |
| | Cape Gris Nez... | 29.69 | 61 | W | 5 | o | 29.59 | −.25 | 53 | 52 | −8 | W | 5 | c | 5 | o | * | 66 | 52 | — |
| | Paris ... ... | 29.80 | 66 | SW | 3 | † | 29.70 | −.27 | 54 | 51 | −10 | WSW | 3 | † | * | o.† | * | 67 | 52 | 0.24 |
| | Brest ... ... | 29.89 | 62 | WNW | 2 | c | 29.92 | −.06 | 55 | 52+ | −3 | NW | 2 | bc | 3 | c | * | 66 | 53 | 0.59 |
| | Lorient... ... | 29.93 | 62 | WNW | 5 | † | 29.93 | −.12 | 62 | 62 | −1 | WNW | 6 | bc | 4 | † | * | 63 | 52 | — |
| France & | Rochefort ... | 30.01 | 66 | W | 5 | o | 29.98 | −.18 | 61 | 57 | −2 | WNW | 6 | c | * | o | * | 70 | 55 | 0.16 |
| | Belfort ... ... | 29.86 | ? | WSW | 4 | c | 29.68 | −.37 | 68 | 50 | +7 | NW | 7 | t | * | c | * | 69 | 50 | — |
| | Lyons ... ... | 29.92 | 73 | S | 1 | b | 29.87 | −.29 | 65 | 57 | +4 | W | 3 | † | * | b | * | 78 | 54 | 0.04 |
| | Nice ... ... | 30.05 | 65 | E | 1 | c | 29.92 | −.22 | 65 | 60 | 0 | SW | 1 | c | 4 | c | * | ? | 52 | — |
| | Perpignan ... | 30.00 | 72 | E | 2 | b | 29.94 | −.21 | 67 | 62 | −1 | W | 2 | c | * | b | * | 85 | 59 | — |
| | Biarritz ... | 30.01 | 70 | NW | 3 | b | 30.03 | −.13 | 66 | 59 | +3 | W | 5 | o | 4 | b | * | 73 | 61 | 0.08 |
| Penin-sula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30.08 | 66 | NNE | 6 | b | 30.10 | +.01 | 64 | 60 | −9 | NNE | 6 | b | * | b | * | 90 | 63 | — |
| | Azores (P. Delgada) | 30.37 | 70 | ENE | 3 | o | 30.34 | 0.0 | 69 | 64 | 0 | ENE | 1 | o | 2 | c.o | * | 75 | 66 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 8.3 hrs; Eastbourne 4.3 hrs; Hastings (St. Leonards) 6.1 hrs;*

# WEATHER CHARTS

FOR WEDNESDAY, 26TH AUGUST, 1896.

## BAROMETER, WIND AND SEA.

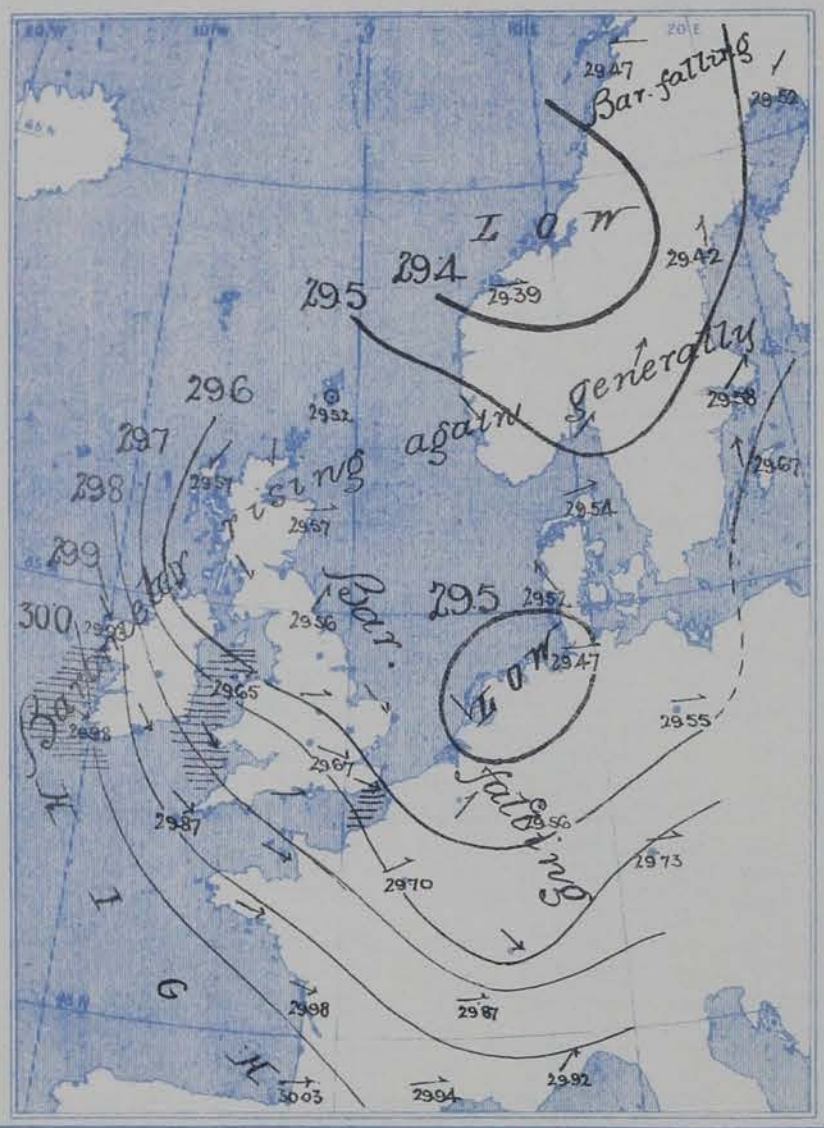
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶ ; Force 5 to 7 ⟶ ; Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ;

*SEA*—Rough ; High




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m. | Means of Wet Bulb 8 a.m. | Means of Daily Maximum. | Means of Daily Minimum. | Absolute Extremes. Maximum. | Years. | Minimum. | Years. | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. Hours. | Per cent. of possible. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·9 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.0 ins. and upwards in a large area extending from the Atlantic over the Bay of Biscay, the Spanish Peninsula and the southwest of France.
Lowest 29.4 ins. and less in a shallow depression over the W. of Norway; 29.5 ins. and less in a well marked secondary system over Holland and the neighbouring parts of Germany and Denmark.
Gradients slight generally, but rather steep over the north of Ireland.
Barometer rising in the west and north of our Island, and also in the south of Norway, but falling elsewhere.

**TEMPERATURE**

Highest 68° at Belfort, 67° at Perpignan, 66° at Biarritz, 65° at Lyons and Nice, and 62° at Lorient & Munich.
Lowest 49° at Haparanda, 50° at Stornoway and Nairn, and 51° at Christiansund, Skudenaas, York, Loughborough, Cambridge, Donaghadee and Parsonstown.
The maxima registered yesterday were below 60° at many of our W^rn. and N^rn. stations, but a little above 65° over the central and southern parts of England.

**WIND**

Strong from the NW^wd. or W^wd. on the west coasts of our Islands and France; light or moderate from the same quarters over the greater part of England; light from the SW^wd. on our NE. coasts.
Light from the W^wd. or SW^wd. over Belgium and Germany, but E^ly. in Holstein.
W^ly. in Norway, but SW^ly. or S^ly. at most of the Swedish stations.

**WEATHER**

Fine over the N^rn., E^rn. and central parts of our Islands, but squally and showery on our W. and SW. coasts; with lightning at Prawle Point.
Rainy over the Netherlands and central France, with thunder at Belfort; rainy also in Norway, but fine at many of the Swedish and Danish stations.
Rain fell yesterday in many parts of W^rn. Europe, the largest amounts being 1.5 ins at Christiansund and Wiesbaden, and 0.6 in. at Brest. Thunder and lightning occurred in many parts of Gt. Britain, and waterspouts were seen at Prawle Pt. and Hurlot Castle.

**SEA**

Rough at Valencia (Ireland) and rather rough at Holyhead, Pembroke and Cape Gris Nez, but moderate to slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Small secondary depressions are still moving southeastwards across our Islands, and changeable showery weather is likely to continue in most districts, with strong NW^ly. winds on our western coasts.

# FORECASTS

*For the 24 hours ending at NOON on* 27TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | NW^ly. and N^ly. winds, light or moderate; fair at first, some showers later. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No. 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | W^ly. to NW^ly. winds, freshening; some showers, with bright intervals. |
| 6 | SCOTLAND WEST | NW^ly. winds, strong; squally, some showers. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.47 | 58 | 54 | WSW | 4 | c | 3 |
| Sumburgh Head | 29.40 | 55 | 50 | W | 3 | bc | 3 |
| Stornoway ... ... | 29.53 | 53 | 52 | NW | 3 | bc | 3 |
| Aberdeen ... ... | 29.53 | 53 | 50 | W | 2 | c | 1 |
| Shields ... ... | 29.62 | 60 | 52 | SW | 5 | bc | 2 |
| Ardrossan ... ... | 29.62 | 55 | 53 | W | 4 | cf | 3 |
| Malin Head ... | 29.69 | 51 | 48 | W | 6 | o | 4 |
| Belmullet ... ... | 29.84 | 55 | 52 | WSW | 4 | bc | * |
| Holyhead ... ... | 29.76 | 60 | 57 | WSW | 3 | c | 2 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 29.90 | 59 | 52 | W | 4 | bcgf | 5 |
| Scilly ... ... | 29.88 | 62 | 56 | WSW | 5 | bcgf | 4 |
| Jersey ... ... | 29.85 | 64 | 62 | W | 4 | cf | 4 |
| Hurst Castle ... | 29.78 | 65 | 61 | W | 1 | bc | 1 |
| Dungeness ... | 29.77 | 65 | 61 | SW | 4 | bc | 2 |
| North Foreland | 29.76 | 63 | 59 | SW | 3 | o | 2 |
| London (Westminster) | 29.75 | 67 | 55 | WSW | 3 | cf | * |
| Yarmouth ... | 29.72 | 64 | 56 | WSW | 2 | bc | 2 |
| Rochefort ... | 30.10 | 68 | 66 | WSW | 4 | bc | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning cloudy and unsettled over W.rn and central Europe generally, with showers at several of our own W.rn and N.rn stations & with steady rain in many parts of Belgium, Germany and Austria. Fine in most of the S.rn and E.rn countries. Rain falling during day in nearly all parts of W.rn Europe – heavily in places. Thunder and lightning occurring in various parts of Gt. Britain, and waterspouts seen at Prawle Pt and Hurst Castle.

Temperature fallen a little over our Islands and their immediate neighbourhood, risen in most other localities. Morning reading highest 77° at Barcelona, 76 at Athens, and 74° at Sfax; above 65° over S.rn Europe generally. Lowest 50° at Stornoway, 51° at Sumburgh Hd, and 52° at Haparanda, Nairn and Parsonstown. Daily maxima below 60° at many of our own W.rn and N.rn stations, but a little above 65° over the central and S.rn parts of England. Thermometer exceeding 75° in the S. of France, and reaching 85° at Perpignan.

Wind light to fresh from the NW.nd in Ireland and Scotland; W.ly to SW.ly in most other parts of W.rn and central Europe, and strong in force on the Danish coasts; E.ly at most of the Scandinavian stations, with a gale at Karlstad. Light from the N.nd in Italy and Greece; variable over the Spanish Peninsula and the S. of France. Subsequently veering to the NW.nd over England.

Barometer highest 30.1 ins. and upwards in an anticyclone covering nearly the whole of S.rn Europe. Lowest 29.3 ins. and less in a small depression lying near Karlstad; 29.4 ins. and less in a larger disturbance off the W. of Norway. Small secondary systems moving SE.wd across our Islands during day.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France: at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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# DAILY WEATHER REPORT

*for 8 a.m. on* Thursday August 27th 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia. | Haparanda ... | | | | | | | | | | | | | | * | | * | | | |
| | Hernösand ... | 29.67 | 54 | S | 2 | bc | 29.73 | +.31 | 55 | 51 | 0 | SE | 2 | c | * | bc | * | 59 | 41 | 0.04 |
| | Stockholm ... | 29.55 | 55 | NE | 2 | f | 29.48 | −.15 | 61 | 56 | +4 | S | 4 | b | * | f | * | 63 | 48 | 0.28 |
| | Wisby ... ... | 29.50 | 60 | SE | 4 | f | 29.32 | −.15 | 59 | 57 | 0 | S | 10 | 0 | * | f | * | 61 | 54 | 0.25 |
| | Karlstad ... | 29.54 | 57 | N | 2 | 0 | 29.36 | −.10 | 50 | 48 | −5 | N | | f | * | 0.f | * | * | * | 0.52 |
| | Bodö ... ... | 29.53 | 55 | E | 2 | bc | 29.62 | +.15 | 57 | 53 | +4 | E | 2 | bc | 1 | bc | * | 59 | 46 | — |
| | Christiansund ... | 29.57 | 54 | WNW | 3 | f | 29.60 | +.21 | 50 | 53 | −1 | W | 2 | f | 2 | f | * | 57 | 50 | 0.16 |
| | Skudesnaes ... | 29.63 | 53 | N | 2 | 0 | 29.58 | +.05 | 56 | 51 | +5 | N | 4 | c | 2 | c.o | * | 59 | 45 | * |
| | Færder (Christiania Fjord) | 29.53 | 58 | S | 1 | bc | 29.42 | −.03 | 53 | 51 | 0 | WNW | 4 | bc | 2 | bc | * | 59 | 54 | — |
| | Skagen (The Scaw) | 29.52 | 55 | NE | 1 | c | 29.46 | −.08 | 56 | 53 | +2 | NE | 1 | f | 0 | c | * | 61 | 52 | 0.12 |
| | Fanö ... ... | 29.46 | 54 | N | 3 | c | 29.61 | +.09 | 57 | 53 | +3 | NW | 2 | c | * | c | * | 63 | 54 | — |
| British Islands. | Sumburgh Head | 29.68 | 52 | NNW | 3 | 0 | 29.80 | +.28 | 52 | 48 | −1 | NNW | 4 | c | 3 | c.o | * | 57 | 46 | 0.02 |
| | Stornoway ... | 29.86 | 56 | NNE | 3 | bc | 30.05 | +.48 | 49 | 49 | −1 | N | 3 | f | 3 | p.c.bc | 9.6 | 57 | 47 | 0.60 |
| | Wick ... ... | 29.79 | 53 | N | 3 | 0 | 29.93 | +.36 | 51 | 50 | −2 | N | 6 | 0 | 2 | 0 | * | 62 | 47 | 0.04 |
| | Nairn ... ... | 29.78 | 54 | E | 1 | bc | 29.98 | +.44 | 51 | 49 | +1 | W | 2 | c | 2 | bc | * | 59 | 47 | 0.09 |
| | Aberdeen ... | 29.76 | 53 | N | 2 | b | 29.91 | +.34 | 52 | 49 | 0 | NNW | 5 | cq | 4 | b.bc.bq | 11.2 | 58 | 47 | 0.03 |
| | Leith ... ... | 29.73 | 56 | E | 3 | bc | 29.93 | +.40 | 55 | 51 | +3 | NW | 2 | c | * | bc | * | 60 | 49 | 0.08 |
| | Shields ... ... | 29.70 | 56 | NE | 3 | bc | 29.87 | +.31 | 52 | 51 | −1 | NW | 4 | o | 3 | b.bc.f | * | 57 | 45 | 0.01 |
| | Spurn Head ... | 29.66 | 55 | N | 3 | b | 29.86 | +.30 | 55 | 53 | +2 | NNW | 5 | c | 4 | bq.f.tl | * | 60 | 50 | 0.12 |
| | York ... ... | 29.67 | 55 | E | 1 | c | 29.91 | +.33 | 50 | 48 | −1 | NW | 3 | c | * | t.c | 7.4 | 62 | 48 | 0.06 |
| | Loughborough ... | 29.65 | 55 | WNW | 1 | c | 29.93 | +.29 | 50 | 47 | −1 | NW | 1 | bc | * | f.tl.c.b | * | 59 | 42 | 0.05 |
| | Ardrossan ... | 29.75 | 58 | NW | 3 | bc | 29.95 | +.42 | 58 | 53 | +2 | NW | 4 | b | 3 | bc | * | 60 | 51 | — |
| | Malin Head ... | 29.82 | 55 | NNW | 7 | b | 30.06 | +.48 | 53 | 51 | +1 | NNW | 6 | of | 4 | f.c.b | * | 55 | 49 | 0.06 |
| | Belmullet ... | 29.94 | 53 | N | 6 | c.q | 30.18 | +.25 | 53 | 52 | −2 | N | 4 | o.f.q | * | o.f.q | * | 57 | 52 | 0.20 |
| | Donaghadee ... | 29.76 | 57 | NNW | 5 | b | 30.01 | +.41 | 56 | 53 | +5 | NNW | 5 | bc | 3 | b | * | 61 | 50 | 0.05 |
| | Liverpool (Bidston) | 29.68 | 54 | N | 2 | 0 | 29.96 | +.36 | 54 | 50 | +2 | 2 | 0 | 0 | 1 | f.o | * | 58 | 47 | 0.63 |
| | Holyhead ... | 29.72 | 56 | N | 5 | bc | 29.98 | +.33 | 56 | 53 | +4 | N | 4 | c | 3 | c.f.h.bc | * | 58 | 51 | 0.01 |
| | Parsonstown ... | 29.85 | 56 | NW | 2 | c | 30.12 | +.34 | 54 | 52 | +3 | NW | 3 | o.d | * | c.f.h.c | 4.8 | 60 | 45 | 0.30 |
| | Valencia ... | 30.00 | 55 | WNW | 2 | c.f.h.q.p | 30.21 | +.23 | 56 | 54 | 0 | WNW | 5 | o.q | 5 | c.f.h.q.p | 2.0 | 59 | 50 | 0.17 |
| | Roche's Point .. | 29.88 | 58 | WNW | 6 | c.p.q | 30.14 | +.26 | 56 | 53 | 0 | NNW | 4 | c | 4 | c.p.q | * | 60 | 51 | 0.05 |
| | Pembroke (St. Ann's Hd.) | 29.78 | 54 | NW | 6 | f | 30.03 | +.27 | 56 | 53 | +3 | N | 5 | bc | 5 | f | 5.7 | 57 | 51 | 0.16 |
| | Scilly ... ... | 29.84 | 54 | WNW | 7 | c.q | 30.02 | +.15 | 58 | 53 | 0 | NNW | 6 | c | 5 | c.c.q | 9.7 | 61 | 52 | 0.22 |
| | Prawle Point ... | 29.74 | 53 | WNW | 5 | c | 29.97 | +.18 | 58 | 53 | +5 | NNW | 3 | bc.l | 2 | c.q.l | * | 61 | 46 | 0.15 |
| | Jersey (St. Aubin's) | 29.79 | 60 | WNW | 7 | c.q.f.tu | 29.91 | +.07 | 57 | 53 | 0 | NNW | 4 | c.q | 4 | bc.q.f.tu.l | * | 63 | 51 | 0.32 |
| | Hurst Castle ... | 29.69 | 56 | W | 3 | c.f | 29.91 | +.19 | 55 | 52 | 0 | NNE | 3 | f.bc | 2 | f.h.c.d.l | * | 61 | 46 | 0.09 |
| | Dungeness ... | 29.66 | 56 | W | 3 | c.f.t | 29.82 | +.19 | 51 | 50 | −3 | NNW | 3 | c | 2 | c.q.c.f.t.l | * | 60 | 46 | 0.01 |
| | North Foreland | 29.65 | 57 | W | 2 | c | 29.81 | +.21 | 55 | 52 | +1 | W | 3 | c | 3 | c.t.c.t.l | * | 62 | 49 | 0.22 |
| | London (Brixton) ... | 29.68 | 53 | WNW | 2 | bc | 29.89 | +.22 | 52 | 49 | 0 | W | 2 | bc | * | c.f.bc.b | 6.1 | 63 | 45 | 0.02 |
| | Oxford ... ... | 29.71 | 49 | NW | 1 | bc | 29.92 | +.24 | 53 | 49 | +1 | NNW | 3 | b | * | t.l.bc | * | 59 | 45 | 0.06 |
| | Cambridge ... | 29.66 | 55 | W | 1 | c | 29.89 | +.26 | 52 | 50 | +1 | W | 3 | bc | * | c.q | 7.8 | 63 | 43 | — |
| | Yarmouth ... | 29.64 | 57 | SSE | 2 | c.f.t.r | 29.82 | +.25 | 57 | 52 | +3 | W | 3 | b | 3 | bc.t.l.r | * | 62 | 45 | 0.34 |
| Germany & Holland. | Cuxhaven ... | 29.56 | 56 | SE | 1 | c | 29.72 | +.25 | 52 | 52 | −3 | W | 5 | f | * | t.l.f.c | * | 59 | 50 | 0.83 |
| | Berlin ... ... | 29.62 | 58 | SW | 5 | 0 | 29.79 | +.24 | 54 | 50 | −5 | NNW | 4 | b | * | 0 | * | 66 | 48 | 0.79 |
| | Wiesbaden ... | * | * | * | * | * | 29.92 | +.36 | 50 | 48 | −7 | SW | 1 | bc | * | * | * | 63 | 48 | 0.12 |
| | Munich .. .. | 29.97 | 49 | W | 6 | f | 30.01 | +.28 | 48 | 46 | −14 | SSE | 4 | o | * | f | * | 70 | 46 | 0.28 |
| | The Helder .. | 29.63 | 55 | NW | 3 | 0 | 29.80 | +.31 | 55 | 52 | +2 | S | 1 | bc | 1 | 0 | * | 59 | 50 | 0.47 |
| Belgium. | Brussels ... | * | * | * | * | * | | | | | | | | | * | | * | | | |
| | Cape Gris Nez... | | | | | | | | | | | | | | | | * | | | |
| | Paris ... ... | 29.84 | 55 | WSW | 2 | c | 29.82 | +.12 | 52 | 50 | −2 | SW | 2 | f | * | 0 | * | 64 | 48 | — |
| | Brest ... ... | 29.91 | 60 | WNW | 2 | bc | 29.91 | −.01 | 55 | 50 | −2 | NNW | 3 | b | 3 | bc | * | 63 | 48 | 0.12 |
| | Lorient... ... | 29.91 | 60 | NW | 6 | c | 29.92 | −.01 | 54 | 52 | −8 | NW | 5 | bc | 3 | c | * | 64 | 46 | — |
| France & | Rochefort ... | 30.01 | 62 | WNW | 6 | bc | 29.96 | −.02 | 59 | 55 | −2 | WNW | 4 | f | * | c.bc | * | 68 | 55 | 0.04 |
| | Belfort ... ... | 29.88 | 52 | W | 2 | c | 29.92 | +.24 | 50 | 48 | −18 | Z | 0 | c | * | c | * | 68 | 45 | 0.59 |
| | Lyons ... ... | 29.95 | 60 | WNW | 1 | 0 | 29.97 | +.10 | 53 | 49 | −12 | SSE | 1 | c | * | 0 | * | 68 | 48 | 0.04 |
| | Nice ... ... | 29.74 | 69 | SE | 2 | bc | 29.79 | −.13 | 64 | 49 | −1 | W | 1 | b | | bc | * | 73 | 59 | 0.08 |
| | Perpignan ... | 29.98 | 64 | NW | 3 | 0 | 30.01 | +.07 | 61 | 52 | −6 | NW | 1 | b | * | 0 | * | 74 | 52 | — |
| | Biarritz ... | 30.04 | 63 | W | 4 | f | 30.01 | −.02 | 58 | 53 | −8 | SW | 5 | f | 5 | f | * | 68 | 55 | 1.02 |
| Peninsula. | Corunna ... | | | | | | | | | | | | | | * | | * | | | |
| | Lisbon ... ... | 30.05 | 62 | NNE | 6 | b | 30.04 | −.06 | 62 | 52 | −2 | N | 6 | b | * | b | * | 75 | 59 | — |
| | Azores (P. Delgada) | 30.32 | 69 | NNE | 1 | c | 30.27 | −.07 | 72 | 63 | +3 | ENE | 3 | c | | c | * | ? | 66 | |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

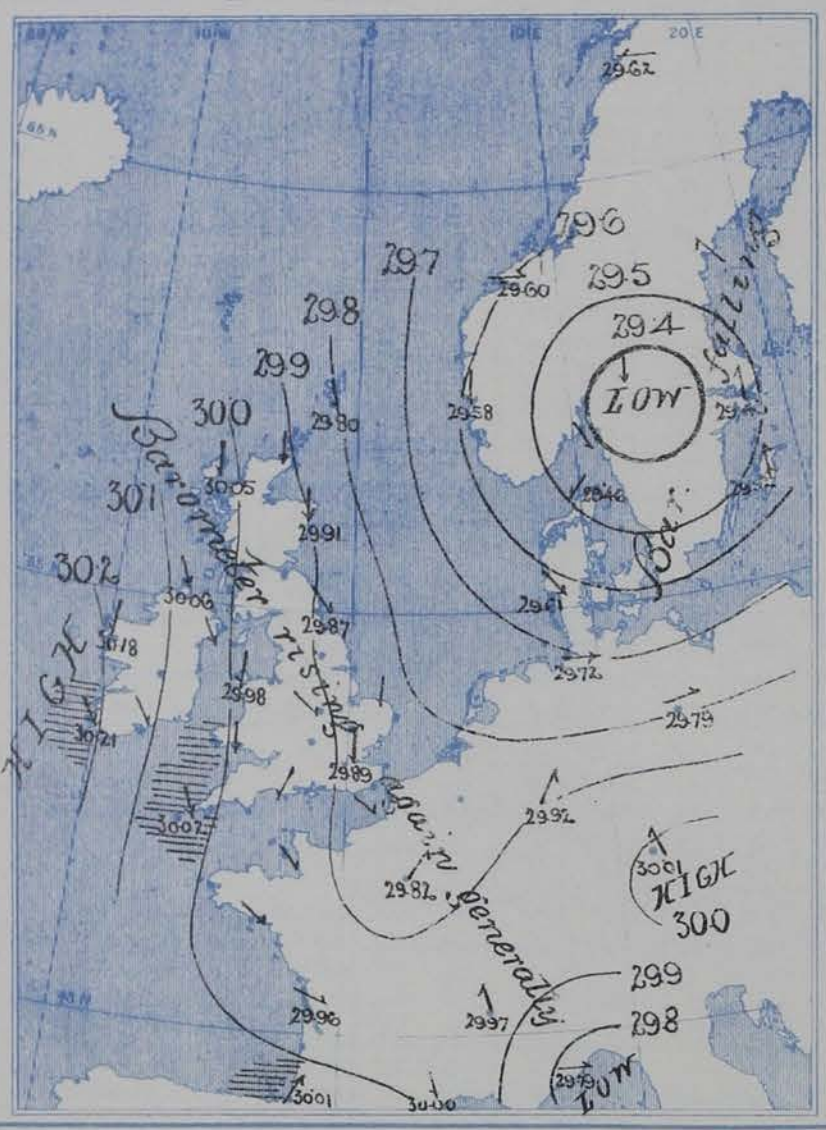
*Bright Sunshine yesterday Southport 5.3 hrs; Eastbourne 9.5 hrs, Hastings (St. Leonards) 9.3 hrs.*

# WEATHER CHARTS

FOR THURSDAY, 27th AUGUST, 1896.

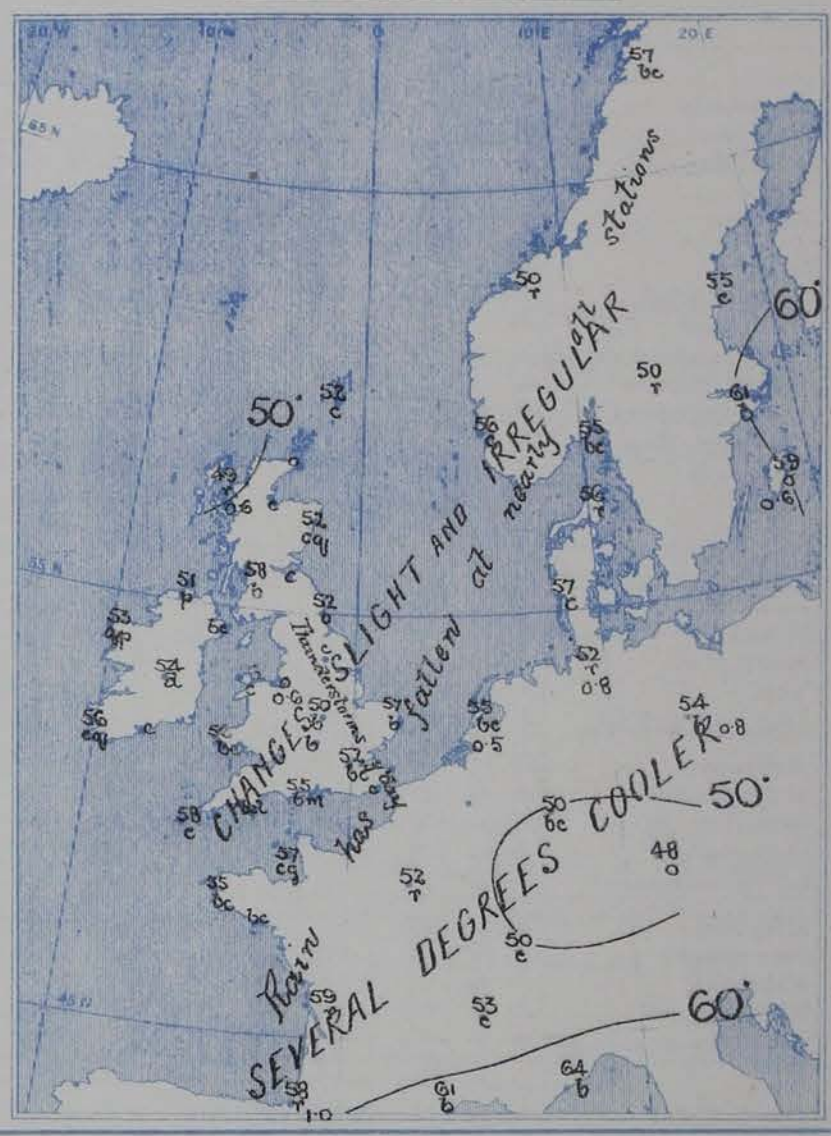
## BAROMETER, WIND AND SEA.

*BAROMETER*—Isobars are drawn for each tenth of an inch.
*WIND*—Arrows shew Directions and Force, flying with the wind.
Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; Force 1 to 4 ⟶ ; } Calm ⊙
Force 8 to 10 ⟫⟶ ;
*SEA*—Rough ▤ ; High ▬




## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.
*WEATHER*—Shown by Letters of the Beaufort Scale.
*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.2 ins. and upwards in an anticyclone lying off the west of Ireland; 30.0 ins. and upwards in another system over South Germany.
Lowest 29.4 ins. and less in a well marked depression over the south of Sweden; 29.8 ins. and less in another disturbance over the Gulf of Genoa.
Gradients moderate or slight. Barometer rising at all but the Swedish stations.

**TEMPERATURE**

Highest (1) 64° at Nice, 62° at Lisbon, 61° at Perpignan, 59° at Rochefort, and 58° at Scilly, Prawle Pt. and Biarritz; (2) 61° at Stockholm, and 69° at Wisby.
Lowest (1) 48° at Munich, and 50° at Wiesbaden and Belfort; (2) 49° at Stornoway, and 50° at Christiansund, York and Loughborough.
The maxima registered yesterday were below 60° at most of the coast stations in the W, N and E. of our Islands, and below 65° in nearly all other parts of the Kingdom. At Loughborough the thermometer on the grass fell last night to 34°, and in London to 39°.

**WIND**

Light to fresh from the N^nd. or NW^nd. over our Islands and the North Sea.
W. ½ or SW. ½ over the greater part of France and Germany; S. ½ in Sweden, with a whole gale at Wisby; E. ½ in the northern parts of Scandinavia.

**WEATHER**

Fair over the greater part of our Islands, but showery on our extreme northwest coasts.
Cloudy and unsettled at most of the Continental stations, with rain in several parts of Scandinavia, Denmark and France; fine in the south of France.
Rain fell yesterday in nearly all parts of W^n Europe, the largest amounts being 1.0 in. at Biarritz, and 0.8 in. at Cuxhaven and Berlin. Thunder and lightning occurred at several of the English stations, and also at Cuxhaven.

**SEA**

Rather rough on our southwest coasts, as well as at Biarritz, but moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Small shallow depressions are apparently still moving southwards across our Islands, and changeable showery weather seems likely to continue in most districts.

# FORECASTS

*For the 24 hours ending at NOON on* 28^th AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | N. ½ and NW. ½ winds, fresh or strong in places; cool, changeable, some showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | N. ½ and NW. ½ winds, fresh or strong in places; cool, changeable, some showers. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | NONE ISSUED. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.60 | 58 | 51 | NNW | 4 | c | 2 |
| Sumburgh Head | 29.65 | 54 | 52 | NE | 1 | c | 2 |
| Stornoway ... ... | 29.76 | 56 | 54 | NE | 3 | c | 3 |
| Aberdeen ... ... | 29.69 | 55 | 50 | NE | 2 | bc | 2 |
| Shields ... ... | 29.63 | 55 | 50 | NE | 3 | b | 2 |
| Ardrossan ... ... | 29.68 | 59 | 55 | NW | 3 | bc | 2 |
| Malin Head ... | 29.73 | 55 | 52 | N | 6 | c | 4 |
| Belmullet ... ... | 29.87 | 56 | 53 | N | 8 | o fq | * |
| Holyhead ... ... | 29.65 | 59 | 54 | NNW | 6 | c f k | 5 |
| Valencia ... ... | 30.01 | 56 | 53 | WNW | 6 | cq f | 6 |
| Scilly ... ... | 29.87 | 60 | 56 | WNW | 6 | c | 4 |
| Jersey ... ... | 29.84 | 62 | 54 | W | 6 | bc | 5 |
| Hurst Castle ... | 29.72 | 59 | 55 | W | 4 | cf | 2 |
| Dungeness ... | 29.65 | 63 | 55 | WNW | 5 | cq | 4 |
| North Foreland | 29.67 | 61 | 52 | W | 2 | c | 2 |
| London (Westminster) | 29.67 | 60 | 51 | W | 3 | c | * |
| Yarmouth ... | 29.59 | 62 | 52 | WNW | 2 | bc | 3 |
| Rochefort ... | 30.05 | 67 | 60 | WNW | 6 | c | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine in the Nrn., Etr. and central parts of our Islands, but squally and showery on our west and southwest coasts. Rainy in the west of Norway, as well as in many parts of France, Germany and the Netherlands, thunder reported at Belfort. Fine in most other parts of the Continent, but dull in the extreme N. of Russia, with rain at Uleaborg. Rain falling during day over nearly the whole of western and central Europe, – heavily in places. Thunder and lightning occurring at many of the English stations, and also at Cuxhaven.

Temperature fallen a little in most places. Morning reading highest 78° at Brindisi and Patras, 75° at Athens, and 74° at Palma, Malta and Sfax; above 65° over southern Europe generally. Lowest 49° at Haparanda, and 50° at Stornoway and Nairn, below 55° in all but the southwestern parts of the United Kingdom and also over the Netherlands and the N. of France. Daily maxima below 60° at many of our own coast stations, and below 65° over the United Kingdom generally; thermometer exceeding 70° over Spain and the S. of France, and reaching 75° at Lisbon. Succeeding night cold over England.

Wind strong from the NWwd. or Nwd. on the western coasts of our Islands and France; light or moderate from the same quarters over the greater part of England, but SW'ly on our northeast coasts. SE'ly in Germany, S'ly over Sweden, Finland and the Baltic. Variable over Italy and the Spanish Peninsula, but N'ly in most of the southeastern countries. No important change occurring over Wn. Europe during day.

Barometer highest 30.1 ins. and upwards in an area lying off the Portuguese coast, 30.0 ins. and upwards in an irregularly shaped area covering the Bay of Biscay, Spain, Algeria, Italy and the greater part of southeastern Europe. Lowest 29.4 ins. and less in a depression over the west of Norway, 29.5 ins. and less in a well marked secondary system over Holland and the neighbouring parts of Germany and Denmark. Further small secondary disturbances moving SEwds. across our Islands during day.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 "

# DAILY WEATHER REPORT

*for 8 a.m. on* Friday August 28th 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia | Haparanda ... | 29.54 | 56 | E | 2 | † | 29.51 | −.22 | 54 | 53 | −1 | SSW | 4 | o | * | † | * | 59 | 1 | 0.43 |
| | Hernösand ... | 29.54 | 52 | NNE | 6 | o | 29.55 | +.26 | 55 | 53 | +1 | S | 2 | b | * | o | * | 62 | 48 | 0.43 |
| | Stockholm ... | 29.69 | 55 | SW | 4 | b | 29.87 | +.44 | 59 | 54 | −2 | S | 4 | b | * | b | * | 1 | 54 | 0.12 |
| | Wisby ... ... | 29.88 | 57 | SW | 6 | b | 29.96 | +.44 | 58 | 54 | −1 | SSW | 4 | b | * | b | * | 62 | 52 | — |
| | Karlstad ... | 29.67 | 53 | 2 | o | b | 29.76 | +.40 | 55 | 53 | +5 | S | 4 | c | * | b | * | * | * | 0.35 |
| | Bodö ... ... | 29.49 | 57 | 2 | o | c | 29.44 | −.18 | 51 | 50 | −6 | Z | o | † | o | c | * | 61 | 48 | 0.24 |
| | Christiansund ... | 29.95 | 53 | W | 4 | † | 29.92 | +.12 | 52 | 50 | +2 | WSW | 4 | † | 4 | † | * | 55 | 51 | 0.47 |
| | Skudesnaes ... | 29.74 | 1 | NNW | 7 | c | 29.86 | +.28 | 55 | 50 | −1 | NW | 6 | c | 3 | c.o | * | 59 | 48 | + |
| | Færder (Christiania Fjord) | 29.62 | 60 | SE | 2 | bc | 29.92 | +.50 | 57 | 52 | +2 | NNW | 1 | o | 2 | bc | * | 61 | 55 | 0.04 |
| | Skagen (The Scaw) | 29.68 | 58 | W | 4 | bc | 29.79 | +.33 | 58 | 53 | +2 | W | 4 | bc | 1 | bc | * | 62 | 52 | — |
| | Fanö ... ... | 29.83 | 55 | WNW | 5 | c | 29.94 | +.38 | 55 | 53 | −2 | WNW | 4 | c | * | c | * | 61 | 52 | 0.12 |
| | Sumburgh Head | 29.89 | 49 | NNW | 5 | o | 29.85 | +.05 | 48 | 46 | −4 | SW | 2 | bc | 3 | o | * | 54 | 45 | 0.01 |
| | Stornoway ... | 30.10 | 51 | NNW | 3 | o | 29.81 | −.24 | 53 | 52 | +4 | SSW | 3 | † | 3 | o | 2.2 | 55 | 46 | 0.50 |
| | Wick ... ... | 30.02 | 50 | N | 4 | o | 29.91 | −.02 | 48 | 48 | −3 | S | 2 | du | 1 | o | * | 55 | 45 | 0.15 |
| | Nairn ... ... | 30.07 | 51 | NNW | 2 | c | 29.93 | −.05 | 48 | 48 | −3 | SW | 1 | † | 1 | c | * | 56 | 42 | 0.17 |
| | Aberdeen ... | 30.04 | 51 | NW | 3 | o g | 29.99 | +.08 | 48 | 46 | −4 | SW | 2 | o † g | 2 | o g f. o g | 2.3 | 56 | 45 | 0.06 |
| British Islands | Leith ... ... | 30.03 | 53 | SSE | 2 | bc | 30.04 | +.11 | 49 | 48 | −6 | SW | 2 | † | * | bc | * | 64 | 49 | 0.04 |
| | Shields ... ... | 30.05 | 54 | N | 3 | o | 30.09 | +.22 | 52 | 49 | 0 | WSW | 3 | ow | 3 | c.o | * | 57 | 46 | — |
| | Spurn Head ... | 29.99 | 56 | NNW | 5 | o | 30.12 | +.26 | 57 | 53 | +2 | W | 3 | c | 4 | o g f | * | 57 | 50 | 0.05 |
| | York ... ... | 30.03 | 58 | N | 2 | c | 30.12 | +.21 | 48 | 47 | −2 | SSW | 1 | c | * | c | 1.3 | 59 | 42 | 0.02 |
| | Loughborough ... | 30.04 | 56 | NW | 1 | c | 30.18 | +.25 | 51 | 50 | +1 | W | 1 | cmw | * | c g m. f | * | 60 | 44 | — |
| | Ardrossan ... | 30.05 | 58 | NW | 4 | b | 30.04 | +.09 | 55 | 55 | −3 | WSW | 4 | o f | 3 | b. | * | 62 | 50 | 2 0.04 |
| | Malin Head ... | 30.16 | 53 | NNW | 5 | c | 30.04 | −.02 | 55 | 52 | +2 | WSW | 6 | o | 3 | o.c | * | 55 | 53 | — |
| | Belmullet ... | 30.24 | 55 | NNW | 3 | o | 30.15 | −.03 | 56 | 53 | +3 | WSW | 4 | o | * | o | * | 56 | 52 | 0.05 |
| | Donaghadee ... | 30.12 | 55 | NW | 6 | b | 30.14 | +.13 | 52 | 51 | −4 | W | 4 | o | 2 | b | * | 60 | 49 | 0.02 |
| | Liverpool (Bidston) | 30.06 | 55 | WNW | 3 | c | 30.16 | +.20 | 55 | 50 | +1 | W | 3 | o | 3 | c. f | * | 61 | 52 | 0.05 |
| | Holyhead ... | 30.10 | 56 | N | 6 | c | 30.20 | +.22 | 54 | 52 | −2 | W | 3 | o f | 2 | bc f. c | * | 58 | 51 | 0.01 |
| | Parsonstown ... | 30.24 | 57 | N | 2 | o | 30.25 | +.13 | 54 | 51 | 0 | Z | o | o | * | o | 1.8 | 63 | 48 | — |
| | Valencia ... | 30.29 | 54 | NW | 4 | q f | 30.30 | +.09 | 57 | 52 | +1 | WNW | 3 | o | 2 | c. q f | 1.3 | 59 | 52 | 0.04 |
| | Roche's Point .. | 30.19 | 61 | NNW | 4 | bc | 30.29 | +.15 | 56 | 53 | o | W | 3 | c | 3 | bc | * | 64 | 50 | — |
| | Pembroke (St. Ann's Hd.) | 30.12 | 58 | N | 5 | bc | 30.25 | +.22 | 55 | 51 | −1 | N | 4 | bc | 4 | bc | 8.8 | 60 | 52 | — |
| | Scilly ... ... | 30.16 | 59 | NNW | 5 | c | 30.27 | +.25 | 59 | 55 | +1 | NNW | 1 | c | 4 | bc. f. c | 7.7 | 63 | 52 | 0.04 |
| | Prawle Point ... | 30.08 | 59 | NW | 3 | bc | 30.24 | +.27 | 60 | 56 | +2 | NNW | 2 | c | 1 | bc. l | * | 67 | 48 | — |
| | Jersey (St. Aubin's) | 30.07 | 61 | NW | 3 | b | 30.24 | +.33 | 61 | 55 | +4 | NW | 3 | bc | 3 | f. bc. t l+ | * | 63 | 53 | 0.24 |
| | Hurst Castle ... | 30.02 | 62 | NNE | 2 | bcm | 30.21 | +.30 | 55 | 52 | o | NNW | 1 | bcm | 1 | cm. bcm | * | 67 | 49 | — |
| | Dungeness ... | 29.95 | 59 | NNE | 2 | c | 30.15 | +.33 | 54 | 52 | +3 | N | 3 | c | 2 | bc. c | * | 61 | 46 | 0.01 |
| | North Foreland | 29.96 | 58 | N | 2 | o | 30.15 | +.24 | 57 | 53 | +2 | NW | 3 | b | 3 | bc. o. l | * | 61 | 53 | 0.04 |
| | London (Brixton) ... | 30.01 | 58 | NNE | 2 | c f | 30.20 | +.31 | 53 | 50 | +1 | WSW | 2 | c | * | bc. c f | 10.0 | 66 | 45 | — |
| | Oxford ... ... | 30.09 | 56 | N | 2 | o | 30.21 | +.29 | 54 | 52 | +1 | NW | 2 | o | * | bc. o | * | 65 | 51 | — |
| | Cambridge ... | 30.02 | 53 | N | 3 | f | 30.19 | +.30 | 53 | 50 | +1 | NW | 1 | b m c | * | c f | 7.8 | 65 | 45 | 0.02 |
| | Yarmouth ... | 29.94 | 55 | NW | 4 | o † | 30.12 | +.30 | 56 | 53 | −1 | WNW | 3 | c | 3 | b. o † | * | 61 | 50 | 0.10 |
| Germany & Holland | Cuxhaven ... | 29.87 | 59 | W | 1 | c | 29.99 | +.27 | 54 | 54 | +2 | SW | 1 | o | * | c | * | 61 | 50 | 0.08 |
| | Berlin ... ... | 29.98 | 56 | SSW | 2 | b | 30.07 | +.28 | 53 | 50 | −2 | Z | o | b | * | b | * | 64 | 46 | — |
| | Wiesbaden ... | * | * | * | * | * | 30.09 | +.17 | 50 | 49 | o | Z | o | c | * | * | * | 61 | 45 | 0.33 |
| | Munich ... .. | 30.06 | 48 | E | 3 | c | 30.09 | +.08 | 49 | 45 | −5 | E | 4 | f c | * | c | * | 54 | 39 | 0.04 |
| | The Helder ... | 29.93 | 59 | WNW | 1 | b | 30.08 | +.28 | 58 | 55 | +3 | NNE | 1 | f c | 1 | b | * | 63 | 54 | — |
| Belgium. | Brussels ... | * | * | * | * | * | 30.13 | +.30 | 52 | 51 | +1 | W | 2 | b | * | c | * | 61 | 42 | 0.67 |
| | Cape Gris Nez ... | 29.93 | 59 | NE | 4 | o | 30.08 | +.31 | 56 | 53 | +1 | NNE | 5 | c | 5 | o | * | 61 | 54 | 0.51 |
| | Paris ... ... | 29.96 | 55 | NNW | 3 | c | 30.15 | +.33 | 52 | 51 | o | NW | 6 | bc | * | c | * | 61 | 46 | 0.04 |
| | Brest ... ... | 30.15 | 57 | WSW | 3 | b | 30.27 | +.36 | 55 | 55 | o | NNE | 1 | bc | 2 | b | * | 63 | 52 | — |
| | Lorient ... .. | 30.10 | ? | WSW | ? | ? | 30.21 | +.29 | 54 | 52 | o | NW | 2 | bc | 2 | ? | * | 64 | 50 | — |
| France & | Rochefort ... | 30.06 | 62 | NNE | 4 | c | 30.25 | +.29 | 59 | 57 | o | N | 3 | b | * | b. c | * | 68 | 53 | — |
| | Belfort ... | 29.94 | 54 | W | 1 | bc | 30.10 | +.18 | 49 | 48 | −1 | Z | o | † | * | bc | * | 64 | 46 | 0.12 |
| | Lyons ... | 29.99 | 52 | WNW | 1 | † | 30.15 | +.18 | 50 | 48 | −3 | NW | 2 | o | * | c. † | * | 68 | 49 | 0.20 |
| | Nice ... ... | 29.83 | 67 | W | 4 | b | 29.88 | +.09 | 61 | 50 | −3 | NE | 1 | b | 3 | b | * | 77 | 54 | — |
| | Perpignan ... | 30.04 | 63 | W | 3 | o | 30.17 | +.16 | 59 | 53 | −2 | ?NW | 3 | o | * | o | * | 78 | 53 | — |
| | Biarritz ... | 30.10 | 64 | NW | 6 | † | 30.22 | +.21 | 58 | 55 | o | S | 3 | t l+ | 5 | † | * | 66 | 54 | 0.20 |
| Penin-sula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30.06 | 64 | N | 6 | b | 30.10 | +.06 | 67 | 53 | +5 | NE | 5 | b | * | b | * | 72 | 62 | — |
| | Azores (P. Delgada) | 30.28 | 70 | SE | 4 | bc | 30.26 | −.01 | 70 | 65 | −2 | SSE | 4 | c | 5 | c. bc | * | 77 | 68 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 6.2 hrs; Eastbourne 8.7 hrs, Hastings (St Leonards) 9.1 hrs.*

# WEATHER CHARTS

FOR FRIDAY, 28TH AUGUST, 1896.

## BAROMETER, WIND AND SEA.

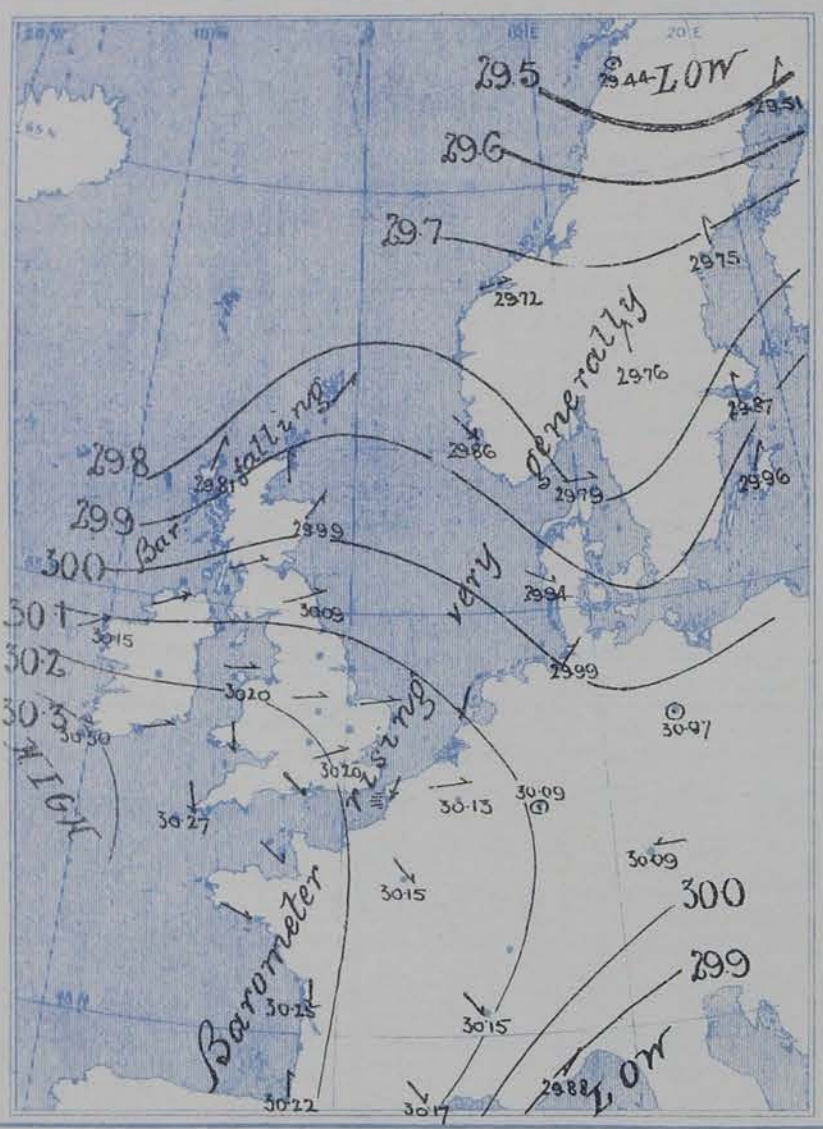
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows show Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

*SEA*—Rough ≋ ; High ▬

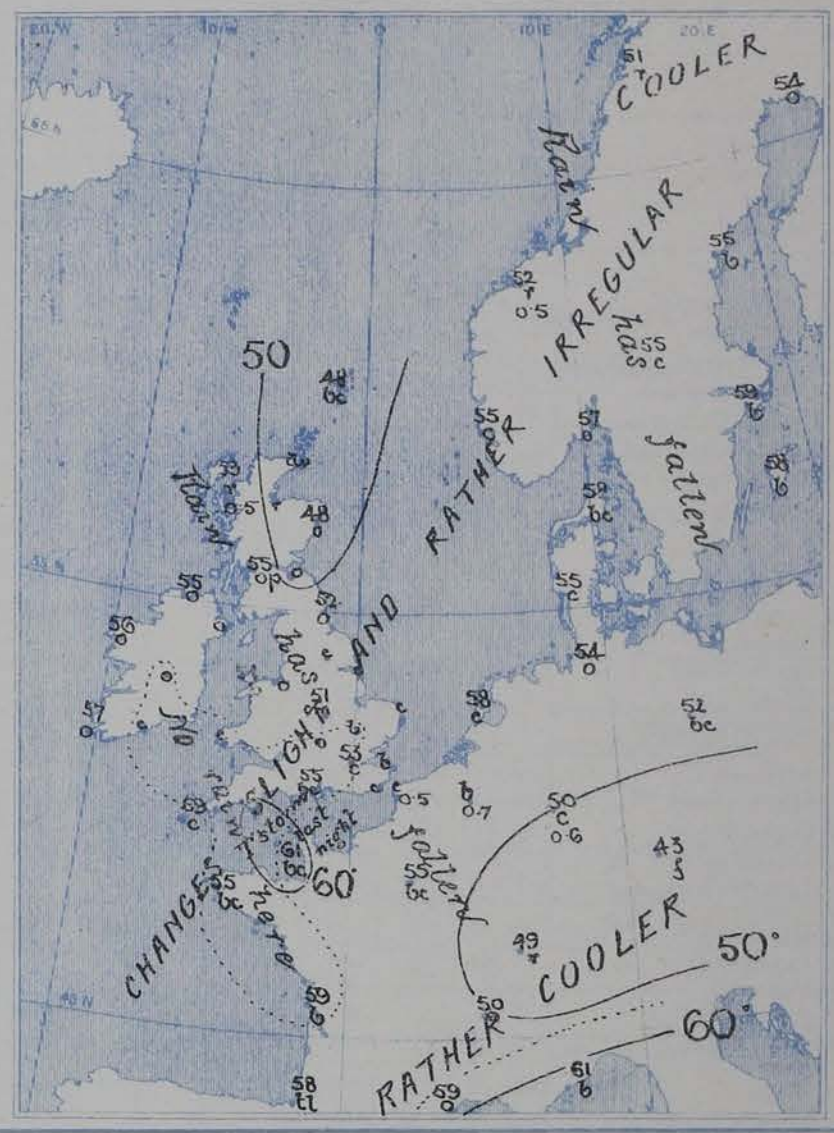



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 3·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·07 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE** — Highest 30.3 ins. and upwards in an anticyclone lying off the southwest of Ireland.
Lowest 29.5 ins. and less in a depression lying over the N. of Scandinavia; 29.8 ins. and less in another disturbance approaching the north of Scotland.
Gradients slight. Barometer falling in the Nn. parts of our Islands, briskly in the Hebrides, but rising elsewhere.

**TEMPERATURE** — Highest (1) 67° at Lisbon, 61° at Jersey and Nice, 60° at Prawle Pt. and 59° at Scilly, Rochefort and Perpignan; (2) 59° at Stockholm and 58° at Wisby and Skagen.
Lowest (1) 43° at Munich, and 48° at Belfort; (2) 48° at Sumburgh Hd., Wick, Nairn, Aberdeen and York, & 49° at Leith.
During yesterday the thermometer rose to 65° and upwards at several of our southern stations; on our northern coasts it did not reach 60°.

**WIND** — SW. by W. over the northern parts of our Islands, and strong in force at Malin Hd.; NW. by W. or N. on our southern coasts and also over France.
Calm or variable in Germany; moderate to strong from the W.nd. or NW.nd. on the eastern shores of the North Sea; S. by W. in Sweden.

**WEATHER** — Dull over all the more northern parts of the United Kingdom, with rain in Scotland and also in the west of Norway, and passing showers at Holyhead.
Fair or fine in nearly all other parts of W.n Europe, but unsettled in the E. and S of France, with rain at Belfort and a thunderstorm at Biarritz.
Showers fell yesterday in many parts of the United Kingdom, and heavy rain at several of the Continental stations. A thunderstorm occurred at Jersey last night, & lightning was seen at Prawle Pt. & the N. Foreland.

**SEA** — Moderate to smooth generally, but rather rough at Cape Gris Nez.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is approaching Scotland seems likely to occasion a considerable increase of wind from the W.nd. on our northern coasts. Cloudy unsettled weather will probably spread S.wds. over the greater part of the United Kingdom.

# FORECASTS

*For the 24 hours ending at NOON on* 29TH AUGUST 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | SW. by W. to NW. by W. winds increasing in force, unsettled, rain at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | W. by W. winds, freshening, cloudy, unsettled, some rain. |
| 3 | ENGLAND EAST | W. by W. winds, moderate, fair at first, some rain later. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | W. by W. to NW. by W. winds, freshening considerably, dull, some rain. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NW. by W. winds moderate or fresh, fair at first, then cloudy and showery. |
| 9 | IRELAND NORTH | Same as Nos. 6 and 7. |
| 10 | IRELAND SOUTH | Same as No. 8. |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.68 | 59 | 55 | NNW | 7 | c | 2 |
| Sumburgh Head | 29.86 | 51 | 48 | NNW | 5 | o | 4 |
| Stornoway .. .. | 30.09 | 51 | 49 | N | 3 | o | 3 |
| Aberdeen ... ... | 30.00 | 53 | 48 | NNW | 5 | ogp | 4 |
| Shields ... ... | 30.00 | 55 | 51 | N | 3 | cb | 3 |
| Ardrossan ... ... | 30.00 | 61 | 59 | NW | 4 | b | 3 |
| Malin Head ... | 30.13 | 54 | 50 | NNW | 6 | o | 4 |
| Belmullet ... ... | 30.21 | 55 | 53 | N | 3 | o | * |
| Holyhead .. ... | 30.07 | 58 | 54 | N | 6 | bcp | 5 |
| Valencia ... ... | 30.27 | 59 | 54 | WNW | 5 | c | 5 |
| Scilly ... ... | 30.11 | 60 | 54 | NNW | 5 | bc | 4 |
| Jersey ... ... | 30.03 | 61 | 54 | NNW | 5 | be | 4 |
| Hurst Castle ... | 29.97 | 64 | 56 | N | 3 | cm | 3 |
| Dungeness ... | 29.88 | 61 | 55 | NNE | 2 | be | 1 |
| North Foreland | 29.91 | 60 | 55 | N | 3 | bc | 3 |
| London (Westminster) | 29.95 | 63 | 51 | N | 3 | be | * |
| Yarmouth ... | 29.90 | 61 | 54 | N | 4 | b | 3 |
| Rochefort ... | 29.98 | 66 | 62 | NW | 5 | b | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fair over the greater part of our Islands, but showery on our extreme NW. coasts. Cloudy and unsettled in many of the Continental countries, with rain at several of the Scandinavian Danish and French stations, as well as at Trieste. Fine over the greater part of S^th. and E^rn. Europe. Showers falling during day in many parts of the United Kingdom, and considerable amounts of rain over the W^t. and N^th. parts of the Continent. Thunderstorm occurring at Jersey at night, and lightning seen at some of the other Channel stations.

Temperature fallen in France, Spain and Germany; changed irregularly elsewhere. Morning readings highest 82° at Tunis, 81° at Sfax, and 73° at Lesina, Algiers and Malta; above 60° over the greater part of Russia and the Baltic. Lowest (1) 48° at Munich, and 50° at Wiesbaden, Belfort, Le Mans and Limoges, (2) 49° at Stornoway, and 50° at Christiansund, York and Loughborough. Daily maxima below 60° over the N^th. parts of our Islands generally, but a little above 65° in the south. Thermometer exceeding 75° in the S. of France.

Wind light to fresh from the N^wd. or NW^wd. over our Islands and the North Sea; SW^ly. over France, Germany and the Netherlands; S^ly. in Finland and the south of Sweden, with a whole gale at Ushant; E^ly. in the north of Scandinavia. Light and variable over Italy, Austria and the S. of Russia; N. or NE^ly. over the Spanish Peninsula. Subsequently veering to the NW^wd. in France; no important change occurring elsewhere.

Barometer highest 30·2 ins. and upwards in an anticyclone stretching from the Atlantic over the extreme SW. of Ireland; 30·0 ins. and upwards in other systems lying over various parts of the Mediterranean and E^rn. Europe. Lowest 29.4 ins. and less in a well marked depression over the S. of Sweden; 29.8 ins. and less in a small disturbance over the SE. of France; 29.8 ins. and less in another system over the N^th. part of the Adriatic. Anticyclone in W. subsequently spreading E^wds.; barometer rising over W^rn. Europe generally.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 "

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday August 29th 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L. | Temp. Dry Bulb. | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L. | Barometer. Change since Yesterday. | Temperature. Dry Bulb. | Temperature. Wet Bulb. | Temperature. Change since Yesterday. | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Weather. | Hours of Bright Sunshine. | Temp. Max. | Temp. Min. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| SCANDINAVIA. | Haparanda ... | 29.77 | 52 | S | 6 | c | 29.79 | +.28 | 55 | 52 | +1 | S | 2 | 0 | * | c | * | 59 | 50 | — |
| | Hernösand ... | 29.79 | 55 | S | 4 | bc | 29.85 | +.10 | 53 | 53 | 0 | W | 2 | c | * | bc | * | 61 | 43 | 0.04 |
| | Stockholm ... | 29.93 | 53 | SSW | 2 | b | 30.05 | +.18 | 51 | 52 | −2 | SW | 1 | b | * | b | * | 63 | 345 | 0.08 |
| | Wisby ... ... | 30.02 | 51 | SSW | 4 | b | 30.17 | +.21 | 53 | 53 | −1 | WNW | 6 | b | * | b | * | 60 | 50 | — |
| | Karlstad ... | 29.84 | 51 | S | 2 | b | 29.97 | +.21 | 55 | 52 | 0 | SW | 6 | bc | * | b | * | * | * | — |
| | Bodö ... ... | 29.66 | 50 | SW | 6 | † | 29.73 | +.29 | 51 | 50 | 0 | WSW | 6 | 0 | 3 | † | * | 55 | 48 | 0.75 |
| | Christiansund ... | 30.18 | 51 | W | 5 | c | 29.79 | +.07 | 50 | 48 | −2 | SE | 3 | bc | 3 | c | * | 55 | 46 | 0.39 |
| | Skudesnaes ... | 29.93 | 52 | W | 2 | c | 29.73 | −.13 | 51 | 50 | +2 | SSW | 8 | †f | 4 | c | * | 51 | 50 | * |
| | Færder (Christiania Fjord) | 29.79 | 62 | WSW | 2 | bc | 29.93 | +.21 | 56 | 53 | −1 | WSW | 4 | 0 | 2 | bc | * | 63 | 53 | — |
| | Skagen (The Scaw) | 29.95 | 56 | W | 5 | c | 30.01 | +.22 | 55 | 53 | −3 | WSW | 4 | 0 | 1 | c | * | 63 | 52 | — |
| | Fano ... ... | 30.06 | 55 | W | 6 | † | 30.06 | +.12 | 58 | 52 | +3 | WSW | 6 | c | * | † | * | 61 | 52 | 0.16 |
| BRITISH ISLANDS. | Sumburgh Head | 29.65 | 51 | SSE | 4 | † | 29.446 | −.39 | 53 | 51 | +7 | SW | 4 | † | 5 | 0.† | * | 56 | 48 | 1.10 |
| | Stornoway ... | 29.68 | 51 | W | 3 | † | 29.445 | −.316 | 51 | 51 | +6 | W | 4 | † | 4 | † | 0.0 | 51 | 50 | 2.00 |
| | Wick ... ... | 29.67 | 52 | S | 2 | † | 29.524 | −.37 | 58 | 51 | +10 | SW | 4 | 0 | 3 | † | * | 52 | 44 | 0.53 |
| | Nairn ... ... | 29.74 | 51 | WSW | 3 | c | 29.55 | −.36 | 61 | 56 | +13 | SW | 3 | c | 2 | c | * | 61 | 46 | 0.05 |
| | Aberdeen ... | 29.80 | 53 | SSW | 3 | og† | 29.67 | −.34 | 61 | 56 | +13 | SW | 5 | cq | 3 | o†.og† | 0.0 | 62 | 48 | 0.23 |
| | Leith ... ... | 29.91 | 56 | WSW | 4 | o | 29.79 | −.25 | 61 | 56 | +12 | SW | 3 | bc | * | o | * | 61 | 48 | 0.07 |
| | Shields ... ... | 30.02 | 58 | SW | 3 | o | 29.93 | −.16 | 62 | 57 | +10 | SW | 4 | c | 2 | c | * | 62 | 51 | — |
| | Spurn Head ... | 30.11 | 58 | WSW | 3 | c | 30.06 | −.06 | 60 | 55 | +3 | WSW | 4 | b | 3 | c | * | 60 | 53 | — |
| | York ... ... | 30.11 | 58 | WSW | 3 | o | 30.03 | −.09 | 58 | 54 | +10 | SW | 3 | bc | * | o | 0.3 | 60 | 47 | — |
| | Loughborough ... | 30.16 | 58 | WSW | 2 | o | 30.13 | −.05 | 56 | 52 | +5 | SW | 3 | c | * | o.c.o.bc | * | 60 | 50 | — |
| | Ardrossan ... | 29.96 | 57 | WSW | 4 | of | 29.81 | −.23 | 58 | 57 | +3 | S | 6 | c | 5 | o.of | * | 59 | 54 | 0.01 |
| | Malin Head ... | 29.92 | 58 | WSW | 6 | om | 29.67 | −.37 | 59 | 55 | +4 | SSW | 7 | ow | 4 | o.om | * | 59 | 53 | — |
| | Belmullet ... | 30.03 | 58 | WSW | 5 | o | 29.74 | −.41 | 60 | 57 | +4 | SW | 9 | o | * | o | * | 60 | 54 | — |
| | Donaghadee ... | 30.04 | 58 | WSW | 5 | o | 29.89 | −.27 | 59 | 55 | +7 | WSW | 6 | bc | 4 | o | * | 60 | 50 | 0.01 |
| | Liverpool (Bidston) | 30.15 | 57 | WNW | 2 | o | 30.06 | −.10 | 58 | 55 | +3 | SW | 2 | o | 3 | o | * | 59 | 53 | — |
| | Holyhead ... | 30.16 | 58 | WSW | 3 | o | 30.04 | −.16 | 58 | 55 | +4 | SW | 6 | omg | 4 | o.og.o | * | 59 | 52 | — |
| | Parsonstown ... | 30.16 | 58 | W | 1 | o | 29.96 | −.29 | 59 | 54 | +5 | SSW | 3 | o | * | o | 2.0 | 62 | 53 | — |
| | Valencia ... | 30.22 | 59 | SW | 3 | og | 29.98 | −.32 | 60 | 55 | +3 | S | 5 | og | 5 | o.og | 0.2 | 61 | 56 | — |
| | Roche's Point .. | 30.23 | 62 | W | 3 | bg | 30.04 | −.25 | 60 | 58 | +4 | SW | 5 | o | 4 | b | * | 66 | 53 | — |
| | Pembroke (St. Ann's Hd.) | 30.22 | 58 | W | 4 | c | 30.13 | −.12 | 58 | 56 | +3 | WSW | 4 | og | 4 | c | 4.3 | 59 | 53 | — |
| | Scilly ... ... | 30.29 | 59 | WSW | 3 | c | 30.20 | −.07 | 59 | 55 | 0 | SW | 3 | c | 3 | bc.c | 7.4 | 62 | 54 | — |
| | Prawle Point ... | 30.27 | 59 | WSW | 3 | bc | 30.22 | −.02 | 58 | 55 | −2 | W | 4 | c | 3 | bc | * | 68 | 54 | — |
| | Jersey (St. Anbin's) | 30.28 | 61 | WSW | 4 | bc | 30.28 | +.04 | 60 | 56 | −1 | ESE | 1 | om | 1 | bc | * | 65 | 53 | — |
| | Hurst Castle ... | 30.24 | 62 | WSW | 2 | c | 30.22 | +.01 | 60 | 55 | +5 | WSW | 2 | o | 1 | cw.c | * | 67 | 54 | — |
| | Dungeness ... | 30.17 | 62 | WSW | 4 | c | 30.19 | +.04 | 60 | 56 | +6 | W | 3 | c | 2 | c | * | 65 | 52 | — |
| | North Foreland | 30.18 | 60 | SW | 2 | o | 30.21 | +.06 | 56 | 52 | −1 | SW | 2 | o | 2 | b.o | * | 62 | 51 | — |
| | London (Brixton) ... | 30.20 | 61 | WSW | 3 | c | 30.19 | −.01 | 58 | 54 | +5 | WSW | 2 | o | * | c | 4.1 | 66 | 48 | — |
| | Oxford ... ... | 30.21 | 55 | WSW | 3 | c | 30.18 | −.03 | 56 | 53 | +2 | SSW | 3 | o | * | c | * | 62 | 50 | — |
| | Cambridge ... | 30.18 | 59 | W | 1 | o | 30.17 | −.02 | 57 | 54 | +4 | SW | 3 | b | * | c | 4.2 | 64 | 50 | — |
| | Yarmouth ... | 30.15 | 60 | WNW | 2 | c | 30.14 | +.02 | 56 | 53 | 0 | WSW | 3 | c | 2 | bc.c | * | 62 | 51 | — |
| GERMANY & HOLLAND. | Cuxhaven ... | 30.10 | 59 | W | 2 | bc | 30.15 | +.16 | 56 | 56 | +2 | SSW | 3 | o | * | bc | * | 61 | 54 | — |
| | Berlin ... ... | 30.15 | 61 | E | 0 | b | 30.26 | +.19 | 56 | 53 | +4 | SE | 1 | b | * | b | * | 66 | 48 | — |
| | Wiesbaden ... | * | * | * | * | * | 30.28 | +.19 | 52 | 50 | +2 | E | 0 | b | * | * | * | 64 | 46 | — |
| | Munich ... .. | 30.21 | 51 | E | 0 | b | 30.28 | +.19 | 47 | 47 | +4 | W | 2 | m | * | b | * | 61 | 41 | 0.04 |
| | The Helder ... | 30.15 | 58 | WSW | 1 | o | 30.15 | +.07 | 60 | 53 | +2 | SW | 3 | bc | 1 | o | * | 61 | 53 | 0.04 |
| BELGIUM. | Brussels ... | * | * | * | * | * | 30.27 | +.14 | 56 | 53 | +4 | SW | 2 | c | * | c | * | 67 | 48 | — |
| | Cape Gris Nez ... | 30.17 | 60 | W | 4 | c | 30.15 | +.07 | 59 | 57 | +3 | W | 4 | o | 4 | c | * | 62 | 53 | — |
| | Paris ... ... | 30.25 | 59 | NNW | 2 | bc | 30.30 | +.15 | 55 | 48 | +3 | E | 0 | b | * | bc | * | 62 | 43 | 0.04 |
| | Brest ... ... | 30.32 | 59 | N | 2 | bc | 30.28 | +.01 | 57 | 53 | +2 | SW | 2 | c | 2 | bc | * | 66 | 50 | — |
| | Lorient ... ... | 30.24 | 61 | NNW | 3 | b | 30.30 | +.09 | 53 | 52 | −1 | ENE | 2 | b | 2 | b | * | 66 | 45 | — |
| FRANCE & | Rochefort ... | 30.29 | 64 | NNW | 5 | bc | 30.30 | +.05 | 65 | 53 | +6 | E | 2 | b | * | b.bc | * | 67 | 52 | — |
| | Belfort ... ... | 30.19 | 52 | WNW | 1 | c | 30.26 | +.16 | 48 | 48 | −4 | E | 0 | m | * | c | * | 61 | 41 | 0.04 |
| | Lyons ... ... | 30.22 | 54 | NW | 1 | bc | 30.23 | +.08 | 54 | 50 | +4 | NNW | 3 | b | * | bc | * | 61 | 49 | 0.04 |
| | Nice ... ... | 29.97 | 56 | NE | 5 | † | 29.97 | +.09 | 58 | 50 | −3 | NE | 1 | b | 1 | † | * | 68 | 52 | — |
| | Perpignan ... | 30.20 | 66 | NW | 4 | b | 30.22 | +.03 | 60 | 54 | +4 | NW | 2 | o | * | b | * | 71 | 58 | — |
| | Biarritz ... | 30.28 | 64 | NNW | 4 | c | 30.23 | +.01 | 58 | 53 | 0 | E | 3 | bc | 2 | c | * | 66 | 54 | 0.12 |
| PENINSULA. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 30.07 | 72 | NNE | 5 | b | 30.08 | −.02 | 68 | 54 | +1 | NE | 4 | b | * | b | * | 86 | 66 | — |
| | Azores (P. Delgada) | 30.23 | 71 | SSE | 4 | c | 30.15 | −.11 | 72 | 66 | +2 | S | 4 | bc | 3 | bc.c | * | 77 | 68 | — |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 0.5 hrs; Eastbourne 7.3 hrs. Hastings (St. Leonards) 6.3 hrs.*

# WEATHER CHARTS

FOR SATURDAY, 29TH AUGUST, 1896.

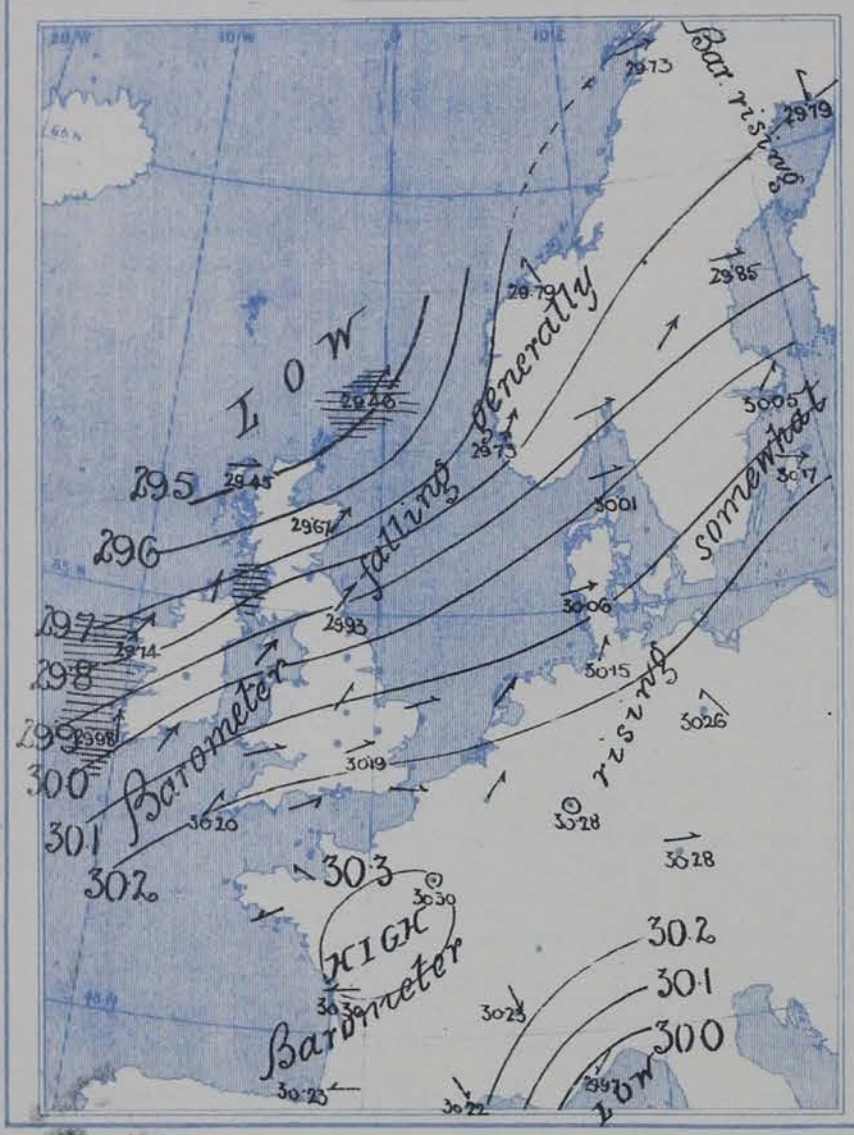
## BAROMETER, WIND AND SEA.

*BAROMETER.* Isobars are drawn for each tenth of an inch.

*WIND.* Arrows show Directions and Force, flying with the wind.

Force above 10 ⟫⟶ ; Force 5 to 7 ⟶ ; Force 1 to 4 ⟶ ; Calm ⊙

*SEA.* Rough ▭ ; High ▬


LOW
Barometer generally falling
Barometer falling somewhat
HIGH
Barometer
LOW
Bar. rising
Bar. rising
Bar. rising

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.2 ins. to 30.3 ins. in an anticyclone lying over the Bay of Biscay, France, Germany and the extreme south of England.
Lowest 29.5 ins. and less in a large depression lying off the north of Scotland.
Gradients rather steep over the northern parts of our Islands and the North Sea, but moderate or slight elsewhere.
Barometer falling in all parts of the United Kingdom,—briskly in the extreme west; rising at most of the Continental stations.

**TEMPERATURE**

Highest (1) 68° at Lisbon, 65° at Rochefort, and 63° at Perpignan; (2) 62° at Shields, and 61° at Nairn, Aberdeen & Leith.
Lowest (1) 45° at Belfort, 47° at Munich, 52° at Wiesbaden, and 53° at Lorient; (2) 50° at Christiansund, & 51° at Aberdeen.
The maxima registered yesterday were below 60° at many of our northern stations, but in the course of the night the thermometer has risen decidedly.

**WIND**

SW. by W. over our Islands, the Netherlands, Denmark and Scandinavia; strong in force on our W. coasts and also on the E. shores of the North Sea, with a gale at Belmullet and Skudesnaes.
Calm or variable over Germany and the E. of France; light from the E. over the Bay of Biscay; moderate from the NE. at Lisbon.

**WEATHER**

Fair at our E. stations, but cloudy or dull in other parts of the United Kingdom, with steady rain in the Shetlands and Hebrides.
Fine and bright over France, Germany and the S. of Sweden; cloudy in Norway and Denmark with rain.
Heavy rain has fallen in the N. of Scotland and the W. of Norway, the amounts being as large as 2.0 ins. at Skudesnaes, at Stornoway and 1.1 ins. at Sumburgh Hd. Showers have occurred in Denmark, France and Germany.
A solar halo was seen yesterday at Oxford, and a lunar corona in London.

**SEA**

Rather rough off our extreme western and northern coasts, but moderate to slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further depressions are approaching our W. coasts, and increasing SW. to W. winds are probable in the W. and N. generally, with squally showery weather.

# FORECASTS

*For the 24 hours ending at NOON on* 30TH AUGUST. 1896.

| DISTRICTS. | | FORECASTS. | DISTRICTS. | | FORECASTS. |
|---|---|---|---|---|---|
| ↓ | SCOTLAND NORTH | SW. to W. winds, increasing in force; squally, some rain. | ↓ 6 | SCOTLAND WEST | SW. to W. strong winds and gales; squally, some rain. |
| ↓ | SCOTLAND EAST | | ↓ 7 | ENGLAND N.W. | |
| ↓ | ENGLAND N.E. | | 8 | ENGLAND S.W. | Same as Nos. 3 to 5. |
| 3 | ENGLAND EAST | SW. to W. winds, freshening; cloudy, some showers. | ↓ 9 | IRELAND NORTH | Same as Nos. 6 and 7. |
| 4 | MIDLAND COUNTIES | | ↓ 10. | IRELAND SOUTH | |
| 5 | ENGLAND SOUTH | | | WARNINGS | At 7.20 pm yesterday to districts 0 to 2, 6, 7 and 9. Hoist North Cone; at 10.10 am. today to district 10 Hoist South Cone. |

*Note.*—The **South Cone**, *point downwards* ( ↓ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ↑ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29.91 | 56 | 52 | WNW | 4 | c | 2 |
| Sumburgh Head | 29.77 | 50 | 48 | SSE | 3 | o | 4 |
| Stornoway ... ... | 29.73 | 256 | 55 | W | 3 | + | 3 |
| Aberdeen ... ... | 29.88 | 53 | 51 | SW | 3 | o+ | 3 |
| Shields ... ... | 30.06 | 58 | 54 | SW | 3 | o | 3 |
| Ardrossan ... ... | 29.99 | 58 | 55 | WSW | 4 | o | 3 |
| Malin Head ... | 29.98 | 58 | 54 | WSW | 6 | o | 4 |
| Belmullet ... ... | 30.07 | 59 | 56 | WSW | 5 | o | * |
| Holyhead ... ... | 30.19 | 58 | 55 | WSW | 3 | og | 2 |
| Valencia ... ... | 30.27 | 60 | 55 | WSW | 3 | o | 4 |
| Scilly ... ... | 30.30 | 61 | 56 | NW | 3 | bc | 3 |
| Jersey ... ... | 30.29 | 64 | 56 | WNW | 4 | bc | 3 |
| Hurst Castle ... | 30.23 | 64 | 60 | SW | 2 | cu | 2 |
| Dungeness ... | 30.18 | 63 | 56 | SW | 3 | cu | 2 |
| North Foreland | 30.20 | 63 | 55 | WNW | 2 | cu | 2 |
| London (Westminster) | 30.19 | 66 | 56 | WNW | 3 | c | * |
| Yarmouth ... | 30.15 | 60 | 55 | E | 1 | bc | 3 |
| Rochefort ... | 30.30 | 67 | 62 | WNW | 4 | b | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning dull over the Nn. parts of our Islands generally, with rain in Scotland and also in the west of Norway. Fair or fine in the southern parts of the United Kingdom, as well as in many of the Continental countries, but rainy in several parts of Austria, En. Germany, and the E. and S. of France; thunderstorm reported at Biarritz. Heavy rain falling later in the N. of Scotland and the west of Norway, — as much as 2·0 ins. at Stornoway; showers reported in France, Germany and Denmark.

Temperature changed rather irregularly. Morning readings highest 83° at Spezzia, 77° at Patras, and 75° at Larissa, Athens and Malta; above 65° in many parts of S. and E. Europe. Lowest 43° at Limoges and Munich, and 48° at Le Mans and Munster; (?) 48° at Dumbuigh Hd., Wick, Nairn and Aberdeen. Daily maxima below 60° at most of our own Nn. stations, but thermometer exceeding 65° in the extreme south. Exceeding 70° in the S. of France, and reaching 86° at Lisbon.

Wind SW.ly over the northern parts of the United Kingdom and strong in force at Malin Head; NW.ly or N.ly on our south and the French coasts; NE.ly or E.ly over the Spanish Peninsula. Moderate to strong from the W.nd or NW.nd on the eastern shores of the North Sea; SW.ly over the Baltic and Gulf of Finland; S.ly over Sweden and northern Russia. Calm or variable over the greater part of Germany, Austria, Italy and the south of Russia. Subsequently backing to the W.nd on our S. coasts; no important change occurring elsewhere.

Barometer highest 30.3 ins. and upwards in an anticyclone lying to the SW.nd of Ireland, 30.1 ins. and upwards in another system lying over Russia. Lowest 29.5 ins. and less in a depression over the N. of Scandinavia; 29.9 ins. and less in a small disturbance over the Gulf of Genoa. New depression advancing later towards the N. of Scotland, and barometer falling rather decidedly on our Nn. coasts.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

Terms: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
,, Weekly ,, ,, ,, £1 10 0 ,,

# DAILY WEATHER REPORT

*for 8 a.m. on Sunday, 30th August, 1896.*

*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L. | Temp. Dry Bulb. | Wind. Direc. | Force (0 to 12.) | Weather | THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L. | Change since Yesterday. | Temperature. Dry Bulb. | Wet Bulb. | Change since Yesterday. | Wind. Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Weather. | Hours of Bright Sunshine. | Temp. Max. | Temp. Min. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia. | Haparanda ... | 29.84 | 62 | S | 2 | b | 29.91 | +.12 | 55 | 53 | 0 | Z | 0 | c | * | b | * | 62 | 50 | - |
| | Hernösand ... | 29.92 | 54 | S | 6 | o | 30.03 | +.18 | 61 | 57 | +6 | S | 4 | b | * | b | * | 63 | 48 | - |
| | Stockholm ... | 30.15 | 56 | SW | 4 | bc | 30.26 | +.21 | 61 | 57 | +4 | SW | 2 | b | * | bc | * | 61 | 37 | - |
| | Wisby ... ... | 30.26 | 57 | SW | 4 | b | 30.34 | +.17 | 59 | 55 | +2 | W | 4 | b | * | bc | * | 63 | 52 | - |
| | Karlstad ... | 30.05 | 52 | SSW | 6 | o | 30.20 | +.23 | 58 | 55 | +3 | SSW | 4 | c | * | o | * | * | * | - |
| | Bodö ... ... | 29.82 | 49 | Z | 0 | b | 29.99 | +.26 | 47 | 46 | -4 | Z | 0 | f | o | b | * | 52 | 46 | 0.89 |
| | Christiansund ... | 29.69 | 54 | ESE | 2 | r | 29.95 | +.16 | 55 | 54 | +5 | Z | 0 | o | o | r | * | 57 | 50 | 0.20 |
| | Skudesnaes ... | 29.93 | 59 | SSW | 6 | o | 30.02 | +.20 | 59 | 58 | +2 | SSE | 5 | f | 5 | o | * | 59 | 46 | * |
| | Færder (Christiania Fjord) | 29.99 | 60 | SSW | 6 | o | 30.16 | +.23 | 59 | 58 | +3 | SSW | 4 | o | 3 | o | * | 61 | 55 | 0.08 |
| | Skagen (The Scaw) | 30.12 | 58 | WSW | 3 | bc | 30.21 | +.20 | 59 | 57 | +4 | SW | 3 | bc | o | bc | * | 61 | 55 | - |
| | Fanö ... ... | 30.13 | 58 | WSW | 2 | c | 30.14 | +.08 | 57 | 56 | -1 | S | 3 | b | * | c | * | 66 | 52 | - |
| British Islands. | Sumburgh Head | 29.51 | 55 | SW | 3 | o | 29.56 | +.10 | 55 | 54 | o | SE | 5 | o | 6 | r.o | * | 56 | 48 | 0.20 |
| | Stornoway ... | 29.42 | 57 | WSW | 4 | r | 29.15 | -.30 | 54 | 54 | -5 | SSW | 6 | o | 4 | r | 0.0 | 59 | 50 | 0.80 |
| | Wick ... ... | 29.53 | 59 | SW | 2 | o | 29.47 | -.07 | 58 | 56 | o | SW | 5 | bu | 5 | b.o | * | 69 | 54 | 0.05 |
| | Nairn ... ... | 29.56 | 62 | WSW | 3 | c | 29.41 | -.16 | 60 | 53 | -1 | WSW | 4 | c | 3 | c | * | 68 | 53 | - |
| | Aberdeen ... | 29.68 | 59 | SW | 3 | cq | 29.59 | -.08 | 58 | 54 | -3 | S | 6 | bq | 5 | cq.r | 2.3 | 65 | 54 | 0.05 |
| | Leith ... ... | 29.70 | 61 | SW | 3 | o | 29.60 | -.19 | 58 | 52 | -3 | S | 2 | bc | * | o | * | 66 | 53 | 0.05 |
| | Shields ... ... | 29.88 | 63 | SW | 4 | c | 29.73 | -.20 | 57 | 54 | -5 | SSW | 5 | o | 2 | c | * | 69 | 54 | - |
| | Spurn Head ... | 29.99 | 62 | SSW | 4 | o | 29.87 | -.19 | 59 | 57 | -1 | SSE | 5 | cu | 4 | o | * | 66 | 53 | - |
| | York ... ... | 29.96 | 63 | S | 4 | o | 29.82 | -.21 | 55 | 54 | -3 | S | 3 | r | * | o | 3.5 | 66 | 52 | 0.19 |
| | Loughborough ... | 30.14 | 60 | SW | 3 | o | 29.87 | -.26 | 57 | 55 | +1 | S | 3 | ou | * | o | * | 64 | 53 | - |
| | Ardrossan ... | 29.70 | 59 | S | 7 | o | 29.56 | -.25 | 56 | 56 | -2 | S | 7 | o | 5 | o | * | 61 | 55 | 0.29 |
| | Malin Head ... | 29.54 | 58 | SSW | 7 | or | 29.46 | -.21 | 54 | 53 | -5 | W | 4 | ogp | 2 | o | * | 61 | 52 | 0.32 |
| | Belmullet ... | 29.55 | 57 | S | 8 | or | 29.66 | -.08 | 54 | 52 | -6 | WSW | 5 | o | * | ou.r | * | 61 | 56 | 1.62 |
| | Donaghadee ... | 29.74 | 59 | SSW | 7 | o | 29.59 | -.28 | 55 | 53 | -4 | WSW | 6 | c | 4 | o | * | 66 | 50 | 0.21 |
| | Liverpool (Bidston) | 29.94 | 58 | SSW | 5 | c | 29.74 | -.32 | 55 | 54 | -3 | SSE | 4 | r | 3 | c.o | * | 62 | 55 | 0.01 |
| | Holyhead ... | 29.98 | 59 | SSW | 7 | ogm | 29.71 | -.33 | 58 | 54 | o | SW | 5 | c | 4 | cqm | * | 61 | 53 | 0.16 |
| | Parsonstown ... | 29.69 | 65 | SSE | 2 | r | 29.69 | -.27 | 55 | 53 | -4 | SW | 2 | c | * | o.r | 0.2 | 65 | 51 | 0.44 |
| | Valencia ... | 29.58 | 58 | SSE | 7 | r | 29.80 | -.18 | 55 | 52 | -5 | NW | 4 | op | 5 | o.r.m | o.o | 62 | 52 | 0.69 |
| | Roche's Point ... | 29.77 | 60 | SSW | 7 | o | 29.78 | -.26 | 57 | 54 | -3 | WNW | 4 | bc | 4 | o | * | 62 | 51 | 0.40 |
| | Pembroke (St. Ann's Hd.) | 29.95 | 58 | SW | 5 | o | 29.77 | -.36 | 56 | 55 | -2 | W | 4 | bc | 5 | o | 0.1 | 59 | 54 | 0.21 |
| | Scilly ... ... | 30.02 | 60 | SSW | 5 | c | 29.81 | -.39 | 58 | 55 | -1 | W | 3 | c | 5 | o,c | 0.2 | 63 | 55 | 0.16 |
| | Prawle Point ... | 30.08 | 58 | SSW | 4 | c | 29.87 | -.35 | 58 | 57 | o | SSW | 6 | ru | 5 | c | * | 62 | 56 | 0.01 |
| | Jersey (St. Aubin's) | 30.14 | 63 | SSE | 2 | bc | 29.97 | -.31 | 62 | 58 | +2 | SW | 4 | og | 3 | b.bc | * | 67 | 58 | - |
| | Hurst Castle ... | 30.12 | 61 | SW | 3 | c | 29.93 | -.29 | 62 | 58 | +2 | SSW | 3 | ou | 2 | c.pd | * | 63 | 58 | - |
| | Dungeness ... | 30.12 | 61 | WSW | 4 | bc | 29.97 | -.22 | 64 | 59 | +4 | SSW | 4 | c | 4 | c.bc | * | 66 | 58 | - |
| | North Foreland | 30.14 | 61 | SW | 2 | o | 29.99 | -.22 | 61 | 57 | +5 | S | 4 | cw | 3 | bc.o | * | 66 | 54 | - |
| | London (Brixton) ... | 30.12 | 61 | WSW | 1 | oq | 29.95 | -.24 | 63 | 58 | +5 | SSW | 2 | c | * | c.oq.bc | 3.7 | 69 | 58 | - |
| | Oxford ... ... | 30.06 | 56 | SW | 4 | bc | 29.90 | -.28 | 58 | 57 | +2 | S | 2 | o | * | bc | * | 62 | 51 | - |
| | Cambridge ... | 30.08 | 62 | SW | 3 | o | 29.93 | -.24 | 60 | 57 | +3 | S | 2 | o | * | o | 5.8 | 68 | 50 | - |
| | Yarmouth ... | 30.08 | 63 | S | 3 | bc | 29.97 | -.17 | 61 | 58 | +5 | S | 4 | bc | 3 | b.bc | * | 66 | 54 | - |
| Germany & Holland. | Cuxhaven ... | 30.16 | 61 | ENE | 1 | c | 30.14 | -.01 | 56 | 56 | o | SSE | 3 | b | * | c | * | 64 | 50 | - |
| | Berlin ... ... | 30.25 | 64 | Z | 0 | b | 30.20 | -.06 | 60 | 55 | +4 | SE | 3 | c | * | b | * | 70 | 54 | - |
| | Wiesbaden ... | * | * | * | * | * | 30.08 | -.20 | 61 | 55 | +9 | NNE | 1 | bc | * | * | * | 68 | 50 | - |
| | Munich ... .. | 30.23 | 55 | Z | o | o | 30.06 | -.22 | 51 | 51 | +4 | E | 3 | r | * | o | * | 63 | 46 | 0.04 |
| | The Helder ... | | | | | | | | | | | | | | | | * | | | |
| France & Belgium. | Brussels ... | * | * | * | * | * | 30.07 | -.20 | 59 | 54 | +3 | SE | 1 | b | * | b | * | 68 | 50 | - |
| | Cape Gris Nez ... | 30.11 | 63 | WSW | 3 | c | 29.98 | -.17 | 58 | 56 | -1 | S | 3 | bc | 3 | c | * | 64 | 54 | - |
| | Paris ... ... | 30.18 | 62 | E | 2 | bc | 30.06 | -.24 | 51 | 50 | -4 | NE | 1 | b | * | bc | * | 69 | 46 | - |
| | Brest ... ... | 30.11 | 60 | S | 3 | bc | 29.93 | -.35 | 59 | 55 | +2 | SSW | 3 | o | 3 | bc | * | 63 | 52 | - |
| | Lorient ... ... | 30.16 | 63 | SW | 3 | bc | 30.01 | -.29 | 52 | 51 | -1 | SSW | 2 | bc | 2 | bc | * | 64 | 46 | - |
| | Rochefort ... | 30.15 | 67 | NW | 3 | b | 30.02 | -.28 | 57 | 55 | -3 | ESE | 3 | b | * | b | * | 73 | 54 | - |
| | Belfort ... ... | 30.13 | 60 | NE | 1 | b | 29.97 | -.29 | 52 | 51 | +1 | E | 2 | m | * | b | * | 66 | 45 | - |
| | Lyons ... ... | 30.10 | 61 | N | 3 | b | 29.98 | -.25 | 53 | 50 | -1 | NNW | 1 | b | * | b | * | 68 | 50 | - |
| | Nice ... ... | 29.91 | 64 | SE | 1 | b | 29.88 | -.09 | 61 | 52 | +3 | ENE | 1 | b | 2 | b | * | 77 | 54 | - |
| | Perpignan ... | 30.05 | 70 | NW | 3 | b | 29.96 | -.26 | 58 | 52 | -5 | W | 2 | b | * | b | * | 77 | 50 | - |
| | Biarritz ... | 30.07 | 68 | N | 4 | b | 29.97 | -.26 | 57 | 53 | -1 | E | 1 | b | 1 | b | * | 72 | 54 | - |
| Peninsula. | Corunna ... | 30.06 | 66 | NW | 2 | b | 30.03 | | 65 | 60 | | W | 1 | o | 1 | b | * | 72 | 50 | - |
| | Lisbon ... ... | 30.00 | 72 | NNW | 3 | b | 29.97 | -.11 | 73 | 56 | +5 | NNE | 4 | b | * | b | * | 81 | 66 | - |
| | Azores (P. Delgada) | 30.18 | 72 | SSE | 3 | c | 30.17 | -.02 | 70 | 67 | -2 | Z | 0 | c | 2 | c | * | 77 | 61 | - |

*For Explanation of Columns, see bottom of last page.* † *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 2.3 hrs; Eastbourne 0.2 hrs; Hastings (St. Leonards) ?*

# WEATHER CHARTS

FOR Sunday, 30th August, 1896.

## BAROMETER, WIND AND SEA.

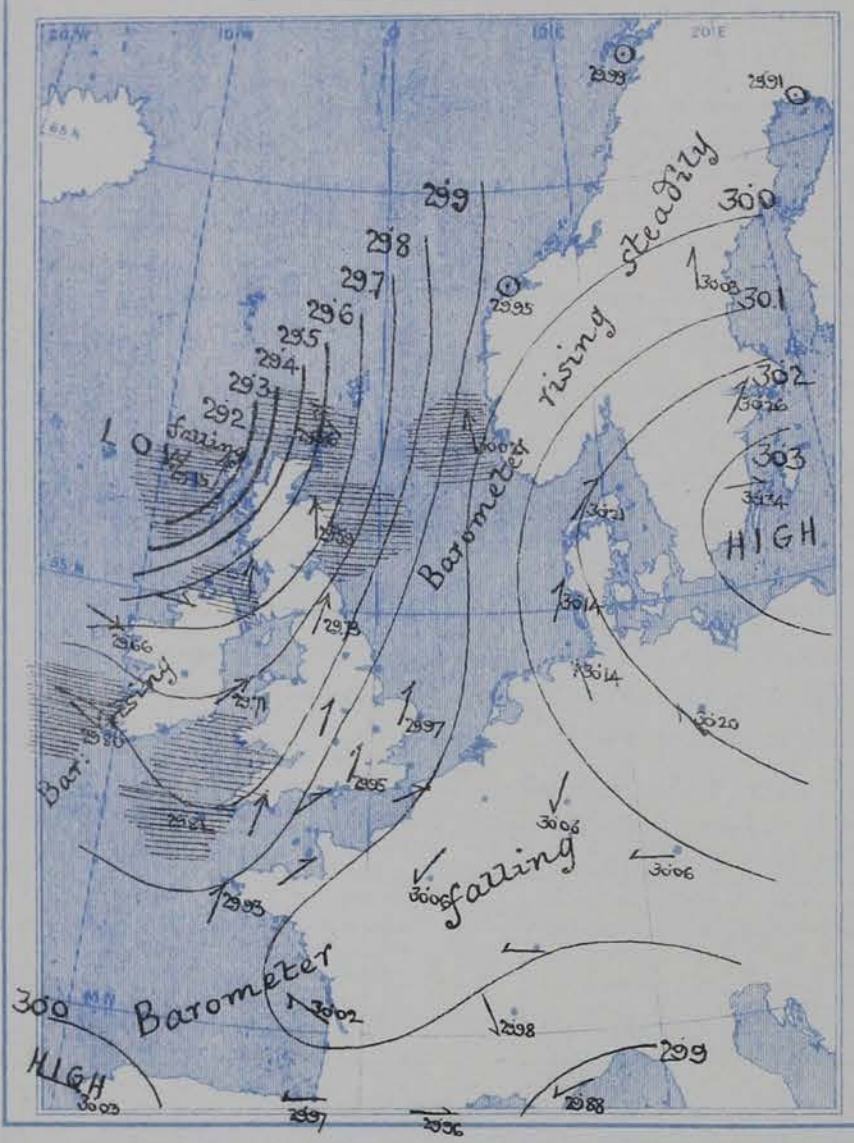
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ;

*SEA*—Rough ▒ ; High ▓

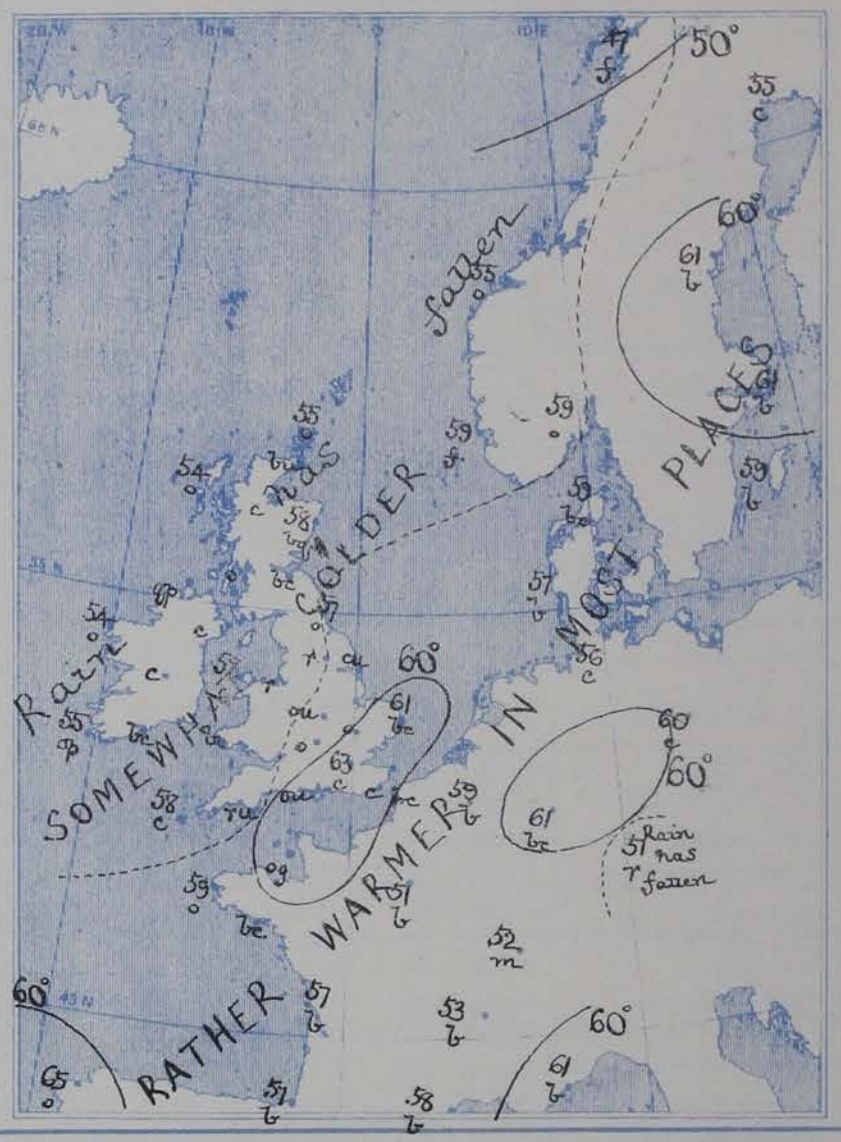



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (Inches.) | ° | ° | ° | ° | ° | | ° | | (Inches.) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.3 ins. and upwards in an anticyclone lying over the northern part of the Baltic.
Lowest 29.2 ins. and less in a rather deep depression lying off the northwest of Scotland.
Gradients steep over the W. and N. of Scotland and rather steep over the Nn. parts of the North Sea, but moderate to smart elsewhere.
Barometer rising in the W. and N. of our Islands and also in Scandinavia and Denmark, but falling elsewhere.

**TEMPERATURE**

Highest (1) 73° at Lisbon; (2) 64° at Dungeness, and 62° at Jersey and Hurst Castle; (3) 61° at Hernösand & Stockholm.
Lowest (1) 47° at Bodö; (2) 51° at Paris and Munich, and 52° at Lorient and Belfort; (3) 54° at Stornoway, Malin Head and Belmullet.
During yesterday the thermometer rose to 65° and upwards in many parts of Gt. Britain, and to 69° at Wick, and in London.

**WIND**

Moderate to fresh from the W^nd or NW^nd in Ireland; S. or SW. over Gt. Britain and the North Sea, and strong in force at several of our western and northern stations.
Light from the E^nd or NE^nd over the greater part of France and S. Germany; SE. in N. Germany; SW. in the E. of Sweden.
During the past night a fresh gale from the S^nd or SW^nd has been experienced on many parts of our W. coasts.

**WEATHER**

Fine at many of our eastern and southeastern stations as well as over the western parts of the Continent generally, but dull in Norway, with fog at Bodö and Skudesnaes.
Cloudy in the western parts of the United Kingdom, with rain or passing showers in several places.
Rain has fallen in the west and north of our Islands generally, the largest amounts being 1·6 ins. at Belmullet, 0·8 in. at Stornoway, and 0·7 in. at Valencia (Ireland).

**SEA**

Rough at Scilly and Nn., and rather rough on many parts of our western and northern coasts, but moderate or slight elsewhere.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

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# FORECASTS

*For the 24 hours ending at NOON on* 31ST. AUGUST. 1896.

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|---|---|---|---|
| 0 SCOTLAND NORTH | NONE ISSUED. | 6 SCOTLAND WEST | NONE ISSUED. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W. | |
| 3 ENGLAND EAST | | 9 IRELAND NORTH | |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | | WARNINGS | NONE ISSUED. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 30 10 | 61 | 59 | SSE | 8 | 0 | 5 |
| Sumburgh Head | | | | | | | |
| Stornoway ... ... | 29.48 | 58 | 57 | S SW | 4 | 6c | 5 |
| Aberdeen ... ... | | | | | | | |
| Shields ... ... | | | | | | | |
| Ardrossan ... ... | | | | | | | |
| Malin Head ... | 29 62 | 55 | 52 | WSW | 4 | 0 | 4 |
| Belmullet ... ... | 29.76 | 56 | 51 | WNW | 4 | c | * |
| Holyhead ... | | | | | | | |
| Valencia ... ... | | | | | | | |
| Scilly ... ... | | | | | | | |
| Jersey ... ... | 29.93 | 68 | 61 | SW | 4 | 6c | 4 |
| Hurst Castle ... | | | | | | | |
| Dungeness ... | 29.93 | 66 | 64 | S | 4 | c | 3 |
| North Foreland | 29.95 | 65 | 60 | S | 3 | c | 3 |
| London (Westminster) | | | | | | | * |
| Yarmouth ... | | | | | | | |
| Rochefort ... | 30 01 | 72 | 65 | NW | 4 | c | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

Weather in morning fine at our eastern stations, but cloudy or dull in all other parts of the United Kingdom, with rain in the Shetlands and Hebrides, as well as at Skudesnaes. Fine over Germany, the Netherlands, France and Spain and also in the southern parts of Sweden and Russia; cloudy over N. Europe generally, as well as in Austria and Italy, with rain at St. Petersburg and Buda Pesth, and a thunderstorm at Zaghorn. Rain falling later in the west and north of our Islands generally, — heavily in the Hebrides and the west of Ireland; — Smaller quantities reported in Norway and the north of Denmark.

Temperature rose in most of the western and central countries, — briskly in Scotland; changed irregularly elsewhere. Morning readings highest 81° at Brindisi, 76° at Patras and Constantinople, and 75° at Athens and Malta; above 65° in most parts of southern and eastern Europe, and above 60° in the N.E^m. parts of Gt. Britain. Lowest 43° at Limoges, 45° at Belfort, 46° at Paris, and 47° at Munich. Rising during day to 65° and upwards in many parts of Gt. Britain, and reaching 69° at Wick and in London. Exceeding 75° in the south of France, and rising to 81° at Lisbon.

Wind SW^ly over our Islands and all the more northern parts of the Continent; strong in force on our western coasts and also in Denmark and the south of Scandinavia, with a gale at Belmullet and Skudesnaes. Light to moderate from the NE^wd. over the greater part of France and Spain, but NW^ly in the south of France. Variable in Italy and also in the south of Russia, but W^ly at most of the Austrian stations. Subsequently backing to the S^wd. in most parts of the United Kingdom and increasing to a gale on our western coasts.

Barometer highest 30.3 ins. and upwards in the NW. of France; 30.2 ins. and upwards in an anticyclone extending from the Bay of Biscay and the N. of Spain across nearly the whole of France and Germany. Lowest 29.5 ins. and less in a depression lying off the N. of Scotland; 29.9 ins. and less in another disturbance over Italy and the Adriatic. Scotch depression subsequently moving N^wds.; new disturbance passing quickly along our eastern W^rn coasts at night.

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 "

# DAILY WEATHER REPORT

*for 8 a.m. on* Monday, 31st August, 1896.

*Issued by the Meteorological Office, 63, Victoria Street, London.* R. H. SCOTT, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| Scandinavia. | Haparanda ... | 30·25 | 48 | SW | 0 | b | 30·49 | +·58 | 49 | 46 | − 6 | SW | 0 | b | * | b | * | 66 | 48 | - |
| | Hernösand ... | 30·29 | 56 | SW | 0 | b | 30·45 | +·42 | 59 | 57 | − 2 | NE | 2 | b | * | b | * | 75 | 54 | - |
| | Stockholm ... | 30·38 | 57 | SW | 0 | b | 30·48 | +·22 | 60 | 55 | − 1 | E | 2 | b | * | b | * | 68 | 52 | - |
| | Wisby ... ... | 30·42 | 56 | SSW | 4 | b | 30·43 | +·09 | 62 | 57 | + 3 | SE | 4 | b | * | b | * | 64 | 50 | - |
| | Karlstad ... | 30·34 | 57 | SW | 0 | f | 30·43 | +·23 | 54 | 53 | − 4 | SW | 0 | b | * | f | * | * | * | - |
| | Bodö ... ... | 30·30 | 49 | SW | 0 | b | 30·41 | +·42 | 54 | 50 | + 1 | ESE | 2 | c | 1 | b | * | 54 | 46 | - |
| | Christiansund ... | 30·16 | 60 | ENE | 2 | c | 30·31 | +·36 | 56 | 54 | + 1 | NNE | 3 | c | 1 | c | * | 64 | 52 | - |
| | Skudesnaes ... | 30·20 | 60 | SSE | 4 | c | 30·23 | +·21 | 59 | 57 | 0 | E | 2 | r | 3 | 0.c | * | 61 | 48 | * |
| | Færder (Christiania Fjord) | 30·31 | 60 | E | 1 | 0 | 30·38 | +·22 | 58 | 57 | − 1 | NNE | 2 | 0 | 2 | 0 | * | 63 | 57 | - |
| | Skagen (The Scaw) | 30·28 | 61 | SSE | 2 | m | 30·30 | +·09 | 61 | 57 | + 2 | SE | 3 | bc | 0 | m | * | 64 | 57 | - |
| | Fanö ... ... | 30·15 | 62 | SE | w | c | 30·08 | −·06 | 61 | 59 | + w | E | 4 | c | * | c | * | 75 | 57 | - |
| | Sumburgh Head | 29·69 | 56 | SE | 6 | c | 29·98 | +·42 | 57 | 56 | + 2 | SE | 4 | c | 6 | c | * | 59 | 42 | 0·01 |
| | Stornoway ... | 29·55 | 56 | SSW | 4 | b | 29·83 | +·68 | 55 | 54 | + 1 | S | 5 | r | 5 | bc | 6·7 | 59 | 52 | 0·04 |
| | Wick ... ... | 29·68 | 56 | SW | 3 | bc | 29·97 | +·50 | 55 | 53 | − 3 | S | 2 | c | 2 | bc | * | 64 | 45 | - |
| | Nairn ... ... | 29·63 | 62 | SW | 1 | b | 29·92 | +·51 | 57 | 52 | − 3 | WSW | 1 | b | 1 | b | * | 64 | 43 | - |
| | Aberdeen ... | 29·75 | 56 | S | 5 | bq | 29·97 | +·38 | 56 | 55 | − 2 | W | 1 | 0m | 2 | b.pq | 10·0 | 62 | 51 | 0·01 |
| | Leith ... ... | 29·70 | 60 | SSW | 2 | b | 29·94 | +·34 | 58 | 54 | 0 | SW | 0 | b | * | b | * | 67 | 45 | - |
| | Shields ... ... | 29·81 | 60 | SSE | 3 | c | 29·94 | +·21 | 57 | 56 | 0 | NNE | 2 | c | 2 | p.c.r | * | 60 | 53 | 0·11 |
| | Spurn Head ... | 29·85 | 62 | SSE | 4 | c | 29·92 | +·05 | 61 | 56 | + 2 | NNW | 1 | c | 2 | c | * | 64 | 57 | - |
| | York ... ... | 29·82 | 61 | S | 2 | r | 29·92 | +·10 | 56 | 55 | + 1 | ESE | 1 | r | * | r | 0·1 | 63 | 54 | 0·48 |
| | Loughborough ... | 29·86 | 58 | SSE | 1 | r | 29·92 | +·05 | 55 | 55 | 0 | ESE | 1 | sqmā | * | c.r.pm | * | 64 | 54 | 0·51 |
| British Islands. | Ardrossan ... | 29·78 | 58 | SW | 3 | bc | 29·94 | +·38 | 58 | 56 | + 2 | SW | 0 | 6m | 0 | bc | * | 60 | 46 | 0·01 |
| | Malin Head ... | 29·62 | 54 | WSW | 5 | op | 29·90 | +·44 | 53 | 53 | − 1 | WSW | 3 | cqp | 2 | o q p | * | 56 | 52 | 0·83 |
| | Belmullet ... | 29·80 | 55 | WNW | 2 | 0 | 29·96 | +·30 | 55 | 52 | + 1 | NNW | 3 | b | * | c, o | * | 57 | 51 | 0·22 |
| | Donaghadee ... | 29·77 | 56 | WSW | 3 | o | 29·95 | +·36 | 52 | 51 | − 3 | W | 3 | c | 1 | 0 | * | 62 | 42 | 0·04 |
| | Liverpool (Bidston) | 29·81 | 60 | W | 1 | bc | 29·92 | +·18 | 57 | 55 | + 2 | WSW | 1 | c | 1 | p.bc | * | 65 | 53 | 0·04 |
| | Holyhead ... | 29·80 | 59 | SW | 2 | c | 29·94 | +·23 | 55 | 53 | − 3 | NNW | 3 | c | 2 | c | * | 63 | 53 | - |
| | Parsonstown ... | 29·85 | 52 | NW | 2 | c | 29·98 | +·29 | 52 | 50 | − 3 | S | 0 | o | * | p. c | 3·1 | 60 | 43 | 0·08 |
| | Valencia ... | 29·93 | 54 | WNW | 3 | cp | 30·03 | +·23 | 55 | 53 | 0 | NW | 2 | cp | 3 | cp | 3·7 | 59 | 48 | 0·16 |
| | Roche's Point ... | 29·89 | 58 | NW | 4 | bc | 30·01 | +·23 | 54 | 51 | − 3 | WNW | 3 | b | 3 | bc | * | 60 | 47 | - |
| | Pembroke (St. Ann's Hd.) | 29·85 | 58 | NNW | 3 | bc | 29·95 | +·18 | 56 | 54 | 0 | NNW | 3 | b | 4 | bc | 9·4 | 61 | 52 | 0·01 |
| | Scilly ... ... | 29·90 | 60 | WNW | 4 | c | 29·97 | +·16 | 58 | 54 | 0 | NNW | 4 | bc | 3 | bc | 9·7 | 63 | 54 | 0·01 |
| | Prawle Point ... | 29·86 | 57 | WSW | 3 | c | 29·92 | +·05 | 55 | 54 | − 3 | NW | 3 | bcp | 2 | c | * | 262 | 50 | 0·35 |
| | Jersey (St. Aubin's) | 29·90 | 66 | SSW | 4 | oq | 29·92 | −·05 | 60 | 57 | − 2 | WNW | 3 | bc | 3 | bc.glr | * | 69 | 56 | 0·56 |
| | Hurst Castle ... | 29·99 | 62 | SSW | 3 | p | 29·88 | −·05 | 56 | 54 | − 6 | NNE | 2 | cm | 1 | p.r | * | 67 | 54 | 0·53 |
| | Dungeness ... | 29·93 | 64 | S | 2 | c | 29·87 | −·10 | 64 | 61 | 0 | SSE | 3 | bc | 2 | c | * | 67 | 60 | - |
| | North Foreland | 29·94 | 64 | S | 2 | c | 29·90 | −·09 | 64 | 60 | + 3 | SE | 2 | bcw | 2 | c | * | 67 | 59 | - |
| | London (Brixton) ... | 29·92 | 62 | SSW | 2 | 0 | 29·89 | −·06 | 60 | 57 | − 3 | SSE | 1 | 0 | * | 0,op | 0·2 | 67 | 55 | - |
| | Oxford ... ... | 29·88 | 58 | S | 3 | r | 29·90 | ·00 | 55 | 55 | − 3 | N | 1 | r | * | o q r | * | 65 | 53 | 0·68 |
| | Cambridge ... | 29·89 | 64 | S | 1 | 0 | 29·91 | −·02 | 58 | 56 | − 2 | SW | 1 | 0 | * | 0 | 0·3 | 68 | 52 | - |
| | Yarmouth ... | 29·93 | 63 | S | 4 | c | 29·91 | −·06 | 62 | 60 | + 1 | ESE | 2 | bw | 3 | c | * | 65 | 57 | - |
| Germany & Holland. | Cuxhaven ... | 30·08 | 65 | E | 3 | 0 | 30·02 | −·12 | 61 | 61 | + 5 | ESE | 4 | c | * | 0 | * | 70 | 55 | - |
| | Berlin ... ... | 30·07 | 65 | NE | 2 | 0 | 30·01 | −·19 | 65 | 63 | + 5 | E | 4 | 0 | * | 0 | * | 70 | 59 | - |
| | Wiesbaden ... | * | * | * | * | * | 29·96 | −·12 | 62 | 61 | + 1 | W | 0 | 0 | * | * | * | 68 | 48 | - |
| | Munich ... ... | 29·99 | 54 | E | 2 | b | 30·04 | −·02 | 54 | 52 | + 3 | E | 1 | b | * | b | * | 57 | 45 | 0·04 |
| | The Helder ... | 29·99 | 64 | ESE | 1 | bc | 29·95 | | 63 | 60 | | ESE | 1 | c | 1 | bc | * | 68 | 57 | - |
| Belgium. France & | Brussels ... | * | * | * | * | * | 29·94 | −·13 | 62 | 58 | + 3 | SE | 1 | 0 | * | b | * | 73 | 56 | - |
| | Cape Gris Nez ... | 29·92 | 63 | W | 0 | m | 29·85 | −·13 | 63 | 61 | + 5 | S | 1 | 0 | 1 | m | * | 68 | 58 | - |
| | Paris ... ... | 29·94 | 65 | E | 1 | bc | 29·94 | −·12 | 51 | 50 | 0 | SE | 1 | b | * | bc | * | 76 | ? | - |
| | Brest ... ... | 29·89 | 56 | NW | 3 | 0 | 29·98 | +·05 | 56 | 54 | − 3 | NNW | 3 | bc | 3 | 0 | * | 63 | 48 | 0·04 |
| | Lorient ... ... | 29·97 | 61 | SSW | 2 | bc | 29·97 | −·04 | 54 | 53 | + 2 | NNW | 4 | bc | 3 | bc | * | 64 | 48 | 0·12 |
| | Rochefort ... | 29·97 | 67 | NW | 4 | c | 29·97 | −·05 | 63 | 62 | + 6 | WSW | 3 | 0 | * | c | * | 73 | 54 | - |
| | Belfort ... ... | 29·91 | 59 | E | 2 | 0 | 29·94 | −·03 | 56 | 54 | + 4 | W | 0 | m | * | 0 | * | 67 | 52 | - |
| | Lyons ... ... | 29·94 | 63 | N | 1 | b | 30·01 | +·03 | 52 | 50 | − 1 | SSW | 1 | bc | * | b | * | 69 | 50 | - |
| | Nice ... ... | 29·90 | 64 | S | 3 | b | 29·99 | +·11 | 58 | 54 | − 3 | E | 2 | bc | 1 | b | * | 73 | 54 | - |
| | Perpignan ... | 29·91 | 74 | NE | 2 | b | 30·02 | +·06 | 62 | 57 | + 4 | N | 2 | bc | * | b | * | 81 | 55 | - |
| | Biarritz ... | 29·97 | 68 | NW | 1 | 0 | 30·01 | +·04 | 63 | 57 | + 6 | SSW | 4 | 0 | 2 | 0 | * | 73 | 57 | - |
| Penin-sula. | Corunna ... | | | | | | | | | | | | | | | | * | | | |
| | Lisbon ... ... | 29·98 | 63 | N | 6 | b | 30·00 | +·03 | 66 | 63 | − 7 | NNE | 5 | b | * | b | * | 84 | 63 | - |
| | Azores (P. Delgada) | | | | | | | | | | | | | | | | * | | | |

*For Explanation of Columns, see bottom of last page.* * *Received too late for Insertion in Charts on next page.*

NOTE: *The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.*

*Bright Sunshine yesterday Southport 4·8 hrs; Eastbourne 1·1 hrs; Hastings (St. Leonards) 2·6 hrs.*

# WEATHER CHARTS

FOR Monday, 31st August, 1896.

## BAROMETER, WIND AND SEA.

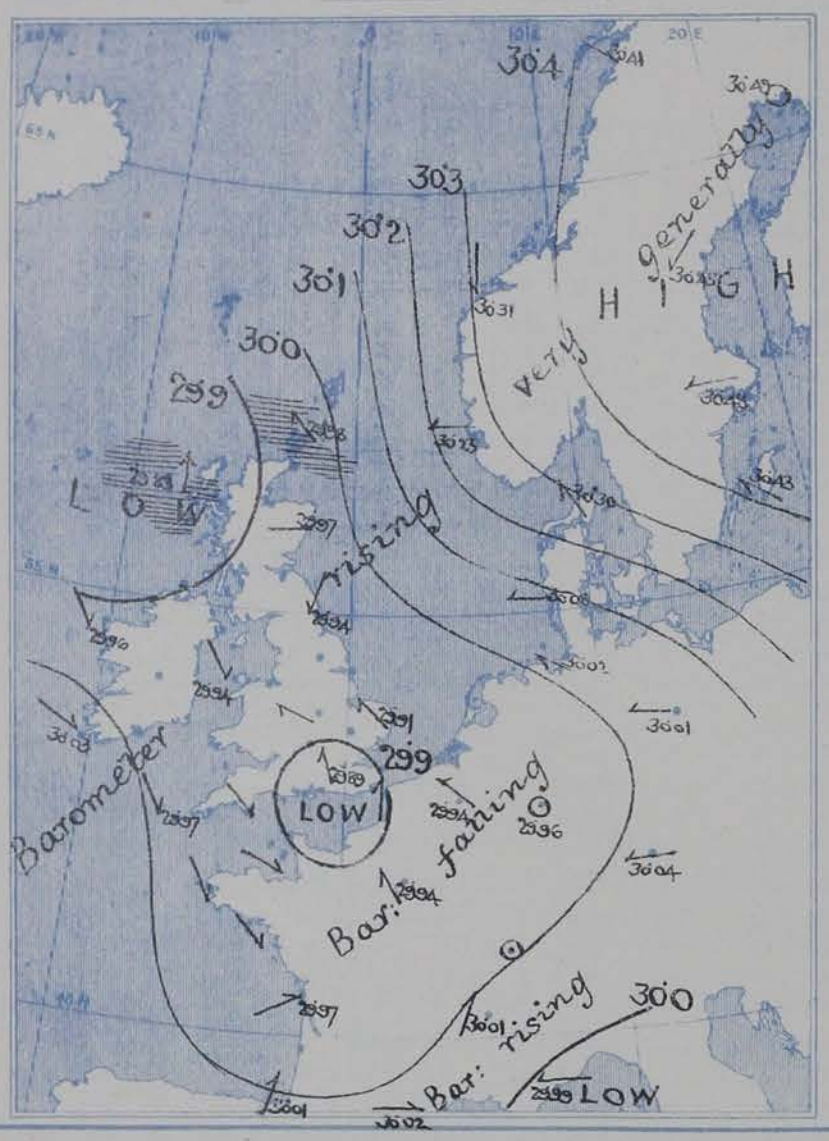
*BAROMETER*—Isobars are drawn for each tenth of an inch.

*WIND*—Arrows shew Directions and Force, flying with the wind.

Force above 10 ; Force 5 to 7 ; } Calm ⊙

Force 8 to 10 ; Force 1 to 4 ; }

*SEA*—Rough ; High

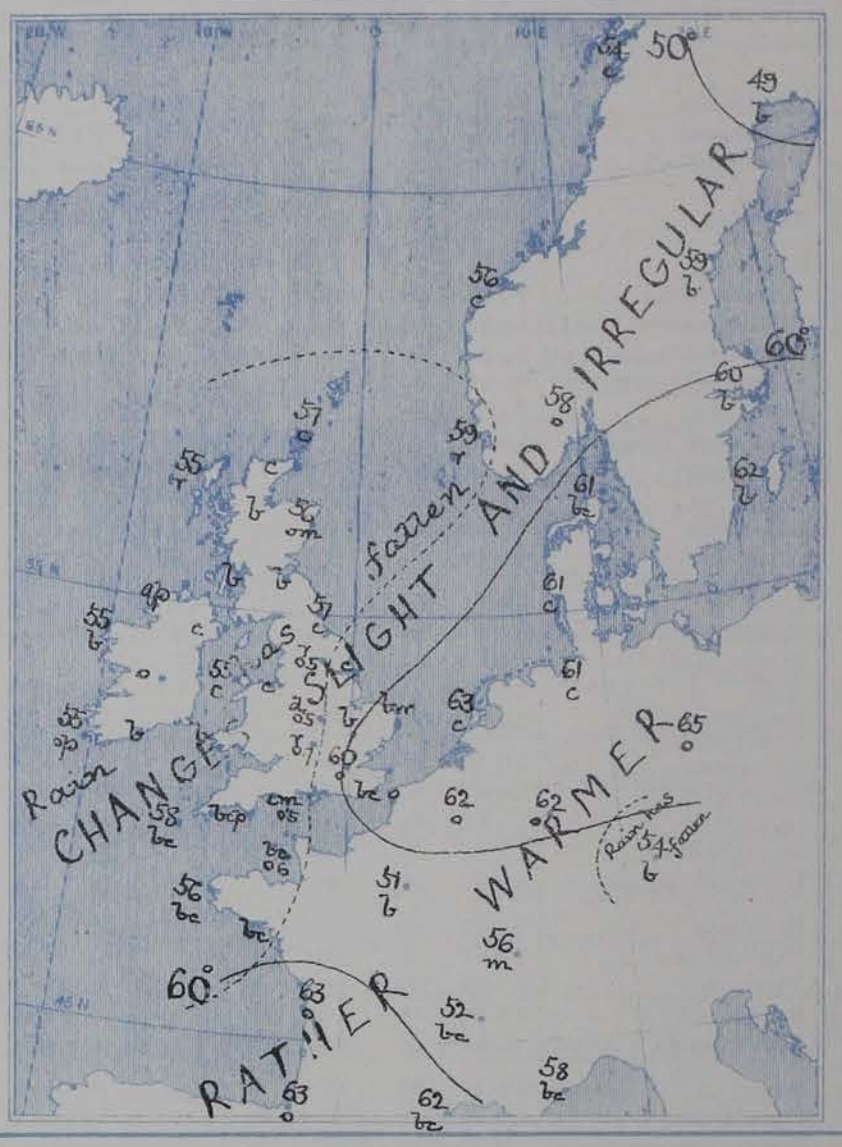



## TEMPERATURE & WEATHER.

*TEMPERATURE*—Isotherms are drawn for each 10°.

*WEATHER*—Shown by Letters of the Beaufort Scale.

*RAINFALL*—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.




## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF AUGUST.

| STATIONS. | PRESSURE AT 8 A.M. Means, 1871—95. | TEMPERATURE OF AIR. 1871-95. Means of | | | | Absolute Extremes. | | | | RAINFALL. Means, 1866—95. | BRIGHT SUNSHINE. Means, 1881—95. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Maximum. | Years. | Minimum. | Years. | | Hours. | Per cent. of possible. |
| | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | (*Inches.*) | | |
| Sumburgh Head | 29·767 | 53·4 | 51·8 | 57·7 | 48·5 | 69 | 1880 | 38 | 1885, 95 | 3·44 | — | — |
| Stornoway | 29·782 | 55·0 | 53·5 | 59·8 | 49·1 | 74 | 1876 | 33 | 1888 | 3·77 | 117·4 | 25 |
| Wick | 29·798 | 55·3 | 53·4 | 61·2 | 48·6 | 85 | 1893 | 30 | 1886 | 2·68 | — | — |
| Nairn | 29·803 | 55·7 | 53·0 | 63·6 | 50·1 | 81 | 1887 | 33 | 1885, 91 | 2·80 | — | — |
| Aberdeen | 29·819 | 56·6 | 53·5 | 63·1 | 50·2 | 81 | 1880, 82 | 33 | 1885 | 3·15 | 151·1 | 33 |
| Leith | 29·835 | 57·6 | 53·4 | 65·8 | 51·3 | 85 | 1893 | 37 | 1874 | 2·74 | — | — |
| Shields | 29·858 | 57·3 | 54·6 | 63·9 | 51·7 | 83 | 1893 | 39 | 1892 | 2·86 | — | — |
| Spurn Head | 29·894 | 58·9 | 56·6 | 64·4 | 54·9 | 87* | 1893 | 46* | 1887, 90 | 1·84 | — | — |
| York | 29·895 | 57·8 | 55·1 | 67·8 | 51·4 | 89 | 1876 | 37 | 1887 | 2·62 | 145·1 | 32 |
| Loughborough | 29·923 | 59·2 | 56·3 | 70·3 | 52·0 | 91* | 1893 | 38* | 1885, 87, 88 | 2·50 | — | — |
| Ardrossan | 29·843 | 57·3 | 55·0 | 63·4 | 52·8 | 84 | 1872 | 38 | 1881 | 3·91 | — | — |
| Donaghadee | 29·869 | 56·9 | 55·4 | 62·5 | 52·6 | 77 | 1890 | 38 | 1886 | 3·27 | — | — |
| Holyhead | 29·898 | 58·4 | 56·2 | 64·0 | 54·7 | 83 | 1893 | 45 | 1888 | 2·98 | — | — |
| Liverpool | 29·898 | 58·6 | 55·3 | 65·6 | 54·3 | 85 | 1876, 84, 93 | 44 | 1885 | 2·87 | — | — |
| Parsonstown | 29·908 | 57·2 | 55·1 | 65·7 | 51·5 | 82 | 1893 | 35 | 1885, 87 | 3·67 | 131·0 | 29 |
| Valencia | 29·921 | 59·3 | 56·9 | 64·4 | 54·2 | 80 | 1893 | 42 | 1890 | 4·85 | 146·0 | 33 |
| Roche's Point | 29·933 | 58·8 | 56·3 | 65·7 | 53·9 | 80 | 1880 | 44 | 1883 | 4·03 | — | — |
| Pembroke | 29·923 | 58·6 | 56·6 | 63·0 | 55·6 | 78 | 1874 | 47 | 1885, 88 | 2·88 | 188·8 | 42 |
| Scilly | 29·958 | 60·9 | 58·8 | 64·9 | 56·9 | 75 | 1893 | 50 | 1885, 90, 95 | 2·54 | — | — |
| Prawle Point | 29·968 | 60·0 | 57·9 | 65·1 | 54·5 | 82* | 1887 | 43* | 1888 | 2·24 | — | — |
| Jersey | 29·987 | 63·0 | 59·7 | 68·8 | 57·2 | 89 | 1893 | 45 | 1890 | 2·44 | 241·2 | 55 |
| Hurst Castle | 29·962 | 61·2 | 59·0 | 68·1 | 56·0 | 82 | 1876, 93 | 43 | 1877 | 2·37 | — | — |
| Dover | 29·945 | 61·9 | 58·7 | 67·3 | 56·6 | 80 | 1887, 94 | 39 | 1890 | 2·07 | — | — |
| LONDON | 29·951 | 60·9 | 57·3 | 71·6 | 53·5 | 96 | 1876 | 39 | 1887, 90 | 2·36 | 160·9† | 36† |
| Oxford | 29·944 | 58·8 | 55·9 | 69·1 | 53·0 | 90 | 1876 | 39 | 1892 | 2·32 | 182·9 | 41 |
| Cambridge | 29·933 | 59·9 | 57·1 | 71·1 | 51·9 | 95 | 1876 | 39 | 1876, 77, 81, 90 | 2·39 | 180·5 | 40 |
| Yarmouth | 29·920 | 60·5 | 57·5 | 66·3 | 54·7 | 85 | 1893 | 42 | 1885 | 2·30 | — | — |

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † Now given for Westminster only.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Highest 30.4 ins. and upwards in an anticyclone lying over Sweden.
Lowest 29.9 ins. and less in a depression off the west of Scotland and also in a secondary system over the southeast of England and the eastern parts of the Channel.
Gradient slight generally, but moderate over the eastern parts of the North Sea.
Barometer rising generally, but steady in the S.E. of England and falling a little over the Netherlands & Germany.

**TEMPERATURE**

Highest (1) 66° at Lisbon, 63° at Rochefort and Biarritz, and 62° at Perpignan; (2) 65° at Berlin, 64° at Dungeness and the North Foreland.
Lowest (1) 49° at Haparanda, and 54° at Valencia; (2) 52° at Donaghadee & Parsonstown, & 53° at Malin Head.
During yesterday the thermometer rose to 65° and upwards in many parts of Gt. Britain, to 68° at Cambridge, and to 69° at Jersey.

**WIND**

Light to moderate from the N.W.ly over the west of our Islands and the northwest of France.
W. by N. or S.W. by W. over the southern parts of France; E. by N. or S.E. by E. over Germany, Denmark, Scandinavia and the north and east of our Islands.

**WEATHER**

Varied greatly in different places; showers were falling in many parts of Ireland and England, and steady rain at Stornoway and Skudenaes, but in Sweden and the E. and S. of France the weather was fine and bright.
Since yesterday morning rain has fallen in many parts of the United Kingdom, the largest amounts being 0.7 in. at Oxford, and 0.6 in. at Jersey. Lightning was seen last night at Jersey.

**SEA**

Rough off the north of Scotland, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over northern Europe appears to be extending westwards, but over the southern parts of our Islands the weather is likely to be influenced for a time by the depression which now lies over the S.E. of England.

# FORECASTS

*For the 24 hours ending at NOON on* 1ST SEPTEMBER 1896.

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | SE. by E. winds, light or moderate, fair generally, but local showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | Light variable breezes; changeable, some showers, possibly thunder. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | Light variable airs; fair generally, but local showers. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NW. by W. winds, backing later, changeable, some showers. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* ( ▼ ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* ( ▲ ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

# YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Skudesnaes ... | 29·84 | 58 | 57 | SSW | 8 | 7f | 5 |
| Sumburgh Head | 29·49 | 55 | 55 | SW | 3 | r | 5 |
| Stornoway ... ... | 29·46 | 58 | 58 | WSW | 4 | r | 4 |
| Aberdeen ... ... | 29·71 | 60 | 55 | SW | 5 | cqu | 4 |
| Shields ... ... | 29·89 | 64 | 56 | SW | 5 | bc | 2 |
| Ardrossan ... ... | 29·74 | 60 | 59 | S | 7 | c | 5 |
| Malin Head ... | 29·61 | 61 | 58 | S | 7 | 0 | 4 |
| Belmullet ... ... | 29·65 | 60 | 58 | SW | 9 | ou | * |
| Holyhead ... ... | 29·98 | 60 | 57 | SW | 7 | cqm | 6 |

| | BAR. | THER. Dry. | THER. Wet. | WIND. Direc. | F. | WEA. | SEA. |
|---|---|---|---|---|---|---|---|
| Valencia ... ... | 29·84 | 60 | 59 | S | 5 | um | 5 |
| Scilly ... ... | 30·12 | 62 | 56 | SSW | 4 | c | 4 |
| Jersey ... ... | 30·22 | 65 | 57 | WSW | 3 | b | 3 |
| Hurst Castle ... | 30·18 | 63 | 58 | SW | 3 | c | 2 |
| Dungeness ... | 30·15 | 64 | 58 | WSW | 4 | c | 3 |
| North Foreland | 30·18 | 65 | 58 | SW | 2 | bc | 2 |
| London (Westminster) | 30·15 | 67 | 58 | SW | 2 | c | * |
| Yarmouth ... | 30·10 | 66 | 58 | WSW | 4 | b | 3 |
| Rochefort ... | 30·24 | 72 | 65 | NW | 3 | | * |

## GENERAL REMARKS ON THE WEATHER OVER EUROPE
### DURING THE PAST 24 HOURS.

*Continental information not received.*

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 23RD TO 29TH AUG. 1896.

The weather of last week was cool and unsettled, with heavy rain at many of our northern stations, and with showers in all other parts of the Kingdom. Thunder and lightning were experienced in many parts of Gt. Britain on the 25th and 26th, and in some of the southern districts on the 27th.

During the earlier half of the week, when barometrical pressure was highest over France, the weather in our Islands was influenced by large depressions which moved eastwards to the northward of Scotland, and by small secondary systems which passed across the more central parts of the United Kingdom. The prevailing winds were W. (SW. to NW) and occasionally strong in force on our western coasts, and the weather was very changeable, with rain in all districts.

After the 26th the depressions passed away to the eastward and a new anticyclone spread gradually over us from the westward. The wind now veered to the NW. or N., but the weather remained showery, with a very low temperature for the time of year. On the night of the 27th the thermometer over our Midland counties fell to within a degree or two of the freezing point.

On the 28th, when the anticyclone had spread over our more S. districts, a decided improvement in the weather set in within its borders. In the north, however, the conditions began to be affected by some fresh depressions which appeared off our N. and NW. coasts, and at the close of the week strong winds or gales from the SW. were experienced in many places, with heavy rains in the N. of Scotland. The SW. current occasioned a gradual rise of temperature, the readings observed on the 29th being above 65° in many parts of Gt. Britain.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

*Subscriptions both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „

# ADDITIONS AND CORRECTIONS TO THE

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

| DATE. | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | | Barometer. | | Temperature. | | | Wind. | | | | | | Temp. | | |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | Weather | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Max. | Min. | Rainfall. |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| 1 | Coruna | 30·05 | 66 | NW | 5 | c | 30·04 | -·02 | 65 | 62 | - 1 | NW | 3 | bc | 4 | c | - | 66 | 57 | 0·04 |
| 2 | Belfort | 29·88 | 66 | SW | 1 | o | 29·95 | ·00 | 57 | - | + 3 | W | 2 | o | - | o | - | 71 | 53 | - |
| 3 | The Helder | 30·06 | 60 | NNE | 4 | o | 30·05 | +·02 | 60 | - | - 1 | N | 2 | o | - | o | - | 64 | 57 | - |
| " | Coruna | 29·77 | 78 | N | 4 | b | 29·79 | -·06 | 70 | 66 | + 1 | NW | 2 | b | 1 | b | - | 79 | 61 | - |
| 4 | Coruna | 29·80 | 75 | E | 1 | t | 29·90 | +·11 | 73 | 67 | + 3 | N | 4 | bc | 2 | t | - | 77 | 61 | 0·04 |
| 5 | The Helder | 29·92 | 58 | NNE | 5 | bc | 30·01 | +·09 | 58 | - | + 1 | N | 2 | c | 1 | bc | - | 64 | 57 | 0·28 |
| " | Coruna | 29·90 | 68 | N | 6 | m | 30·04 | +·14 | 65 | 61 | - 8 | N | 3 | o | 3 | m | - | 73 | 50 | - |
| 6 | Coruna | 30·09 | 66 | N | 6 | m | 30·32 | +·28 | 63 | 59 | - 2 | N | 5 | m | 4 | m | - | ? | 55 | 0·04 |
| 7 | Coruna | 30·26 | 66 | N | 6 | bc | 30·30 | -·02 | 62 | 59 | - 1 | NE | 1 | m | 1 | bc | - | 66 | 50 | - |
| 8 | Coruna | 30·23 | 65 | N | 6 | bc | 30·18 | -·12 | 64 | 60 | + 2 | N | 3 | c | 4 | bc | - | 66 | 52 | - |
| 9 | Coruna | 30·17 | 64 | N | 5 | b | 29·83 | -·35 | 62 | 58 | - 2 | NW | 2 | r | 3 | b | - | 64 | 54 | 0·39 |
| .. | Lisbon | 29·93 | 71 | NNE | 6 | b | 29·98 | -·02 | 65 | 56 | - 1 | N | 6 | bc | - | b | - | 82 | 59 | - |
| 10 | Coruna | 30·07 | 64 | NNW | 5 | bc | 30·13 | +·30 | 64 | 60 | + 2 | N | 6 | bc | 4 | bc | - | 64 | 55 | - |
| 11 | The Helder | 30·18 | 60 | NE | 3 | o | 30·29 | +·16 | 59 | - | - 3 | NNE | 2 | o | 1 | bc | - | 68 | 57 | - |
| .. | Coruna | 30·12 | 66 | N | 6 | bc | 30·38 | +·26 | 66 | 60 | + 2 | SW | 1 | b | 1 | bc | - | 66 | 54 | - |
| 12 | The Helder | 30·17 | 61 | NNW | 2 | r | 30·17 | -·12 | 59 | - | 0 | NNW | 4 | r | 2 | r | - | 64 | 57 | 0·08 |
| .. | Coruna | 30·38 | 66 | N | 6 | bc | 30·45 | +·07 | 68 | 62 | + 2 | N | 1 | b | 1 | bc | - | 68 | 57 | - |
| .. | Lisbon | 30·22 | 73 | NNE | 5 | b | 30·26 | +·03 | 71 | 57 | + 1 | NE | 5 | b | - | b | - | 84 | 68 | - |
| 14 | Haparanda | 29·91 | 52 | Z | 0 | o | 29·86 | -·15 | 59 | - | + 2 | NE | 2 | o | - | o | - | 63 | 50 | - |
| .. | Herrosand | 30·02 | 51 | Z | 0 | b | 29·90 | -·14 | 58 | - | + 5 | SW | 4 | bc | - | b | - | 66 | 41 | - |
| .. | Stockholm | 29·96 | 55 | Z | 0 | b | 29·95 | -·02 | 58 | - | + 2 | N | 2 | b | - | b | - | 61 | 48 | - |
| .. | Visby | 29·95 | 63 | N | 4 | b | 29·94 | +·02 | 60 | - | - 2 | S | 4 | o | - | b | - | ? | 52 | - |
| .. | Coruna | 30·11 | 71 | N | 5 | bc | 30·02 | - | 66 | 52 | - | NW | 1 | bc | 4 | bc | - | 75 | 54 | - |
| 16 | Coruna | 30·00 | 69 | N | 4 | c | 30·07 | - | 68 | 62 | - | N | 3 | c | 4 | c | - | 70 | 57 | - |
| 17 | Malin Head | 30·14 | 56 | W | 2 | o | 29·98 | -·20 | 55 | 52 | + 1 | S | 3 | o | 1 | o | - | 59 | 52 | - |
| .. | Brussels | - | - | - | - | - | 30·12 | +·04 | 58 | - | - 1 | NNW | 3 | bc | - | o | - | 67 | 49 | 0·12 |
| .. | Coruna | 30·04 | 69 | NE | 5 | c | 30·05 | -·02 | 68 | 60 | - 5 | N | 1 | b | 1 | c | - | 70 | 52 | - |
| 19 | Haparanda | 30·12 | 53 | Z | 0 | o | 30·15 | +·07 | 54 | 50 | - 1 | Z | 0 | bc | - | o | - | 68 | 41 | - |
| .. | Herrosand | 30·13 | 50 | Z | 0 | b | 30·13 | +·05 | 55 | 52 | - 1 | N | 2 | bc | - | b | - | 68 | 45 | - |
| .. | Stockholm | 30·06 | 57 | N | 2 | b | 30·04 | +·06 | 59 | 56 | + 2 | N | 2 | b | - | b | - | 64 | 52 | 0·08 |
| .. | Visby | 30·01 | 56 | N | 4 | b | 29·98 | +·05 | 61 | 59 | + 2 | N | 4 | c | - | b | - | 61 | 46 | - |
| .. | Karlstad | 30·04 | 60 | SE | 2 | b | 30·04 | +·02 | 57 | 54 | 0 | NE | 2 | b | - | b | - | - | - | - |
| .. | dyons | 30·02 | 69 | N | 1 | b | 29·97 | -·16 | 60 | 55 | + 1 | SE | 1 | m | - | b | - | 73 | 52 | - |
| .. | Coruna | 30·01 | 65 | N | 6 | b | 30·04 | - | 70 | 59 | - | NW | 2 | o | 3 | b | - | ? | 54 | 0·20 |
| .. | Biarritz | 30·02 | 68 | NNW | 4 | o | 29·91 | -·08 | 64 | - | - 2 | NW | 4 | r | 1 | o | - | 72 | 59 | 0·20 |
| 20 | Coruna | 30·09 | 62 | N | 3 | o | 30·13 | +·09 | 63 | 59 | - 1 | N | 1 | o | 5 | o | - | ? | 55 | 0·20 |
| .. | Coruna | 30·15 | 63 | N | 3 | c | 30·21 | +·08 | 63 | 63 | 0 | NW | 3 | [illegible] | 1 | c | - | 64 | 57 | 0·20 |
| 21 | Coruna | 30·24 | 63 | NW | 3 | o | 30·29 | +·08 | 63 | 63 | 0 | N | 3 | [illegible] | 5 | o | - | 63 | 57 | 0·39 |
| 22 | Coruna | 30·29 | 67 | NE | 5 | b | 30·26 | -·05 | 68 | 62 | + 4 | N | 1 | b | 2 | b | - | 67 | 54 | - |
| 24 | Coruna | 30·37 | 70 | ENE | 3 | c | 30·31 | -·13 | 69 | 63 | 0 | ENE | 1 | c | 3 | c | - | 75 | 60 | - |
| - | Azores (P. Delgada) | 30·19 | 67 | N | 5 | b | 30·19 | -·07 | 61 | 59 | - 1 | NW | 1 | b | 1 | b | - | 68 | 52 | - |
| 25 | Coruna | 30·19 | 66 | NNW | 2 | b | 30·19 | -·00 | 63 | 59 | + 2 | NNW | 1 | c | 3 | b | - | 66 | 54 | 0·04 |
| 26 | Coruna | 30·15 | 66 | NNW | 2 | b | 29·83 | +·28 | 51 | - | - 3 | S | 2 | o | - | b | - | 60 | 43 | 0·12 |
| 27 | Brussels | - | - | - | - | - | 29·77 | +·18 | 55 | - | + 2 | N | 4 | r | 4 | o | - | 61 | 52 | 0·12 |
| .. | Cape Gris Nez | 29·74 | 57 | NW | 5 | o | 30·19 | ·00 | 65 | 58 | + 2 | NNW | 1 | c | 5 | bc | - | 65 | 57 | 0·12 |
| .. | Coruna | 30·17 | 63 | NW | 3 | bc | 30·34 | +·15 | 64 | 57 | - 1 | NE | 1 | b | 5 | bc | - | 65 | 48 | - |
| 28 | Coruna | 30·22 | 63 | NW | 2 | bc | 30·14 | -·20 | 67 | 59 | + 3 | E | 1 | b | 1 | b | - | 67 | 50 | - |
| 29 | Coruna | 30·26 | 66 | N | 5 | b | 30·15 | +·12 | 64 | 57 | - 1 | N | 1 | bc | 3 | o | - | 67 | 64 | 0·20 |
| 31 | Coruna | 30·01 | 67 | NNW | 1 | o | 30·27 | +·10 | 71 | 66 | + 1 | N | 1 | b | 2 | b | - | 79 | 64 | - |
| .. | Azores (P. Delgada) | 30·23 | 71 | NNW | 1 | b | | | | | | | | | | | | | | |

REPORTS FOR August 1896.

## 2. CORRECTIONS.

| DATE. | STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | PAST 24 HOURS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Barom. | Temp. | Wind. | | Weather | Barometer. | | Temperature. | | | Wind. | | Weather. | Sea (0 to 9.) | Weather. | Hours of Bright Sunshine. | Temp. | | Rainfall. |
| | | At 32° and M.S.L. | Dry Bulb. | Direc. | Force (0 to 12.) | | At 32° Fahr. and M. S. L. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change since Yesterday. | Direc. | Force (0 to 12.) | | | | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | ° | ° | Ins. |
| 2 | Belmullet | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 63 | - | - |
| " | Hurst Castle | - | - | - | - | - | - | - | - | 60 | - | - | - | - | - | - | - | - | - | - |
| 4 | Valencia | - | - | - | - | - | - | - | - | - | - | ri | - | - | - | - | - | - | - | - |
| 6 | Yarmouth | - | - | - | - | - | - | - | - | 53 | - | - | - | - | - | - | - | - | - | - |
| 7 | Valencia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 10 | Prawle Point | 30.09 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 |
| " | Cambridge | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11 | Parsonstown | - | - | w | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.06 |
| " | Hurst Castle | - | - | - | - | - | 30.30 | - | - | - | - | - | - | - | - | - | - | - | ?54 | - |
| " | Yarmouth | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 12 | Scilly | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 51 | - |
| 14 | Holyhead | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Moran |
| " | Parsonstown | - | - | - | - | - | 30.09 | -.05 | - | - | - | - | - | - | - | - | - | 66 | - | - |
| " | Valencia | - | - | - | - | - | 30.11 | -.13 | - | - | - | - | - | - | - | - | - | - | ?53 | - |
| 16 | Prawle Point | - | - | - | - | - | - | - | - | 59 | - | - | - | - | - | - | - | - | - | - |
| 17 | Sumburgh Hd | 30.00 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| " | Prawle Point | - | - | - | - | - | - | - | ?60 | - | -4 | - | - | - | - | - | - | - | - | - |
| 18 | Pembroke | 30.01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 19 | Scilly | - | - | - | - | - | - | - | - | 57 | - | - | - | - | - | - | - | - | - | - |
| 21 | Wick | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| " | Prawle Point | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 |
| 22 | Valencia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 56 | - |
| " | Roches Point | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.08 |
| " | Prawle Point | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 66 | - | - |
| 24 | Loughborough | - | - | - | - | - | 29.88 | -.24 | - | - | - | - | - | - | - | - | - | 68 | - | - |
| 26 | Belmullet | - | - | - | - | - | 29.83 | .00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 28 | Ardrossan | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 |
| " | Valencia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 52 | - |
| " | Cambridge | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 66 | - | - |
| 29 | Christiansund | 29.78 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 30 | Stornoway | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| " | Belmullet | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.81 |
| " | Scilly | - | - | - | - | - | - | - | - | 58 | - | - | - | - | - | - | - | - | 54 | - |
| 31 | Belmullet | - | - | - | - | - | - | - | - | 52 | - | - | - | - | - | - | - | - | - | - |
| " | Oxford | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.25 |
| | | | | | | | | | | | | | | | | | | 64 | - | - |