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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 Sunday 1st November, 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 ...	29.59	24	2	0	bc	29.76	+ .01	28	27	− 4	NW	2	o	*	bc	*	34	12	—
	Hernösand ...	29.82	28	W	2	b	29.95	+ .08	31	29	+ 6	W	2	b	*	b	*	36	23	—
	Stockholm ...	29.98	36	W	4	o	30.00	+ .09	33	32	− 6	W	2	b	*	o	*	43	?	—
	Wisby	29.97	41	NNW	4	o	30.01	+ .13	41	40	− 3	NE	4	c	*	o	*	45	37	—
	Karlstad ...	29.97	38	NE	2	o	30.02	+ .07	30	29	− 5	N	2	b	*	o	*	*	*	—
	Bodö	29.77	37	NW	4	o	29.92	+ .20	34	31	− 3	2	o	c	o	o	*	37	32	0.28
	Christiansund ...	29.96	41	WSW	3	o	30.04	+ .12	39	37	+ 8	2	o	o	2	o	*	41	28	0.12
	Skudesnaes ...	29.95	42	N	4	b	29.99	+ .14	41	40	− 3	2	o	o	2	b	*	45	37	*
	Færder (Christiania Fjord)	29.96	38	NNW	2	bc	30.02	+ .10	35	33	− 3	NNE	2	o	1	bc	*	39	34	..
	Skagen (The Scaw)	29.96	45	SE	1	o	29.97	+ .07	42	41	+ 3	E	1	bc	o	o	*	48	37	—
	Fanö	29.80	42	E	2	o	29.84	+ .03	42	41	+ 3	2	o	m	*	o	*	45	39	0.20
British Islands.	Sumburgh Head	29.98	41	2	o	o	30.00	+ .10	38	36	− 3	2	o	c	3	o	*	44	35	0.01
	Stornoway ...	30.04	41	NNE	3	o	30.08	+ .08	39	39	+ 2	NW	3	o	3	o	1.4	43	35	0.25
	Wick	29.97	41	N	4	o	30.04	+ .14	40	40	− 3	N	1	o	3	o	*	45	32	0.05
	Nairn	29.95	43	ENE	3	r	30.06	+ .15	36	35	− 4	2	o	c	1	r	*	43	34	0.05
	Aberdeen ...	29.91	44	NE	4	c	30.04	+ .22	44	42	+ 1	N	2	bc	4	c p	0.3	46	38	0.05
	Leith	29.82	45	NNE	3	r	30.01	+ .19	43	42	+ 1	NNE	3	b	*		*	47	41	0.09
	Shields	29.76	44	NW	2	cp	29.91	+ .20	47	45	+ 6	NE	2	cp	4	cp	*	48	40	0.12
	Spurn Head ...	29.70	45	NNE	4	bcv	29.77	+ .09	48	46	+ 9	ENE	4	b	3	bcv, p	*	48	38	0.11
	York	29.74	42	N	1	b	29.85	+ .12	43	42	+ 9	NNE	1	cp	*	b	4.0	47	34	0.14
	Loughborough ...	29.74	36	NNW	1	bc	29.77	+ .02	43	42	+ 16	N	2	c	*	bc, b, op	*	46	27	0.03
	Ardrossan ...	29.86	44	NNE	2	bc	30.01	+ .16	43	42	0	2	o	b	o	bc	*	47	38	—
	Malin Head ...	29.91	45	NE	5	c	30.02	+ .13	45	44	+ 2	NE	2	bcv	1	c	*	46	42	—
	Belmullet ...	30.01	45	NNE	5	c	30.07	+ .08	47	44	+ 3	WNW	3	c	*	c	*	48	41	?
	Donaghadee ...	29.87	48	NNE	6	c	29.98	+ .13	46	45	+ 1	NE	6	bc	4	c	*	49	44	—
	Liverpool (Bidston)	29.79	42	N	1	bc	29.86	+ .06	44	41	+ 7	N	3	o	2	bc	*	45	37	—
	Holyhead ...	29.79	47	NNE	4	obgm	29.89	+ .10	47	45	+ 2	NE	4	obg	3	obgm	*	47	42	0.02
	Parsonstown ...	29.90	43	W	1	c	29.98	+ .07	37	36	+ 6	2	o	b	*	c	5.2	47	30	—
	Valencia ...	29.94	45	NNE	3	o	30.00	+ .05	44	42	0	NNE	3	ob	3	o	2.3	47	37	0.01
	Roche's Point ..	29.86	42	NNE	3	b	29.92	+ .02	41	39	+ 3	NNW	3	c	3	b	*	48	37	—
	Pembroke (St. Ann's Hd.)	29.77	43	ENE	2	b	29.82	+ .05	42	41	+ 3	E	3	cg	2	b	7.7	46	38	—
	Scilly	29.72	46	NNE	4	cb	29.78	+ .06	48	44	+ 3	NNE	4	c	1	cbp	2.9	48	41	0.06
	Prawle Point ...	29.72	38	NNE	3	b	29.75	+ .04	40	39	+ 4	N	3	b	3	b	*	49	35	—
	Jersey (St. Aubin's)	29.62	48	NNE	4	cg	29.68	+ .06	49	47	+ 3	NNE	3	cmg	3	rs, cg	*	49	45	0.13
	Hurst Castle ...	29.69	42	NNE	3	bcm	29.73	+ .06	42	42	+ 6	NE	3	cm	2	bcm	*	47	35	—
	Dungeness ...	29.62	46	N	3	o	29.69	+ .12	41	41	− 3	NNW	3	f	2	a	*	47	39	—
	North Foreland	29.62	47	N	6	o	29.70	+ .17	46	45	+ 2	N	3	o	2	o	*	48	42	0.01
	London (Brixton) ...	29.69	45	NNE	3	c	29.75	+ .08	44	44	+ 6	ENE	1	fg	*	c	1.9	46	38	—
	Oxford	29.75	34	2	o	b	29.75	+ .03	41	40	+ 9	N	3	o	*	b, r	*	47	32	—
	Cambridge ...	29.71	41	N	2	bm	29.74	+ .05	41	41	+ 9	NNW	1	f	*	bm	3.9	45	31	0.01
	Yarmouth ...	29.62	45	NNE	4	c	29.73	+ .10	45	44	+ 1	SE	3	chr	3	c, hr	*	47	40	0.35
Germany & Holland.	Cuxhaven ...	29.72	41	S	1	b	29.79	+ .08	37	37	− 4	SE	1	f	*	b, m	*	46	36	0.04
	Berlin	29.80	46	SE	3	o	29.76	− .04	47	46	+ 7	E	3	o	*	o	*	50	40	—
	Wiesbaden ...	*	*	*	*	*	29.69	− .05	44	42	+ 2	2	o	r	*	*	*	46	42	—
	Munich... ..	29.53	37	2	o	f	29.64	− .16	35	35	− 1	E	1	r	*	f	*	43	35	—
	The Helder ...	29.67	46	E	2	o	29.78	+ .15	43	42	+ 1	E	2	b	1	o	*	48	41	—
Belgium.	Brussels ...	*	*	*	*	*	29.72	+ .06	37	37	− 5	2	o	o	*	b	*	52	35	—
	Cape Gris Nez...	29.59	48	NE	4	o	29.64	+ .10	44	41	+ 2	ESE	2	o	2	o	*	50	39	0.43
	Paris	29.62	48	ESE	2	bc	29.67	+ .08	41	40	+ 2	SSE	2	c	*	bc	*	55	39	—
	Brest	29.69	44	N	2	c	?	?	46	46	0	N	3	o	2	c	*	50	38	—
	Lorient... ...	29.62	45	NNW	5	c	29.64	+ .15	45	44	0	NNW	6	r	4	c	*	48	41	0.24
France &	Rochefort ...	29.57	50	NW	6	o	29.70	+ .26	50	49	− 4	WNW	6	c	*	o	*	55	48	0.08
	Belfort	29.73	40	2	o	r	29.69	− .06	40	40	+ 1	E	1	r	*	r	*	43	39	0.98
	Lyons	29.66	45	NNE	1	r	29.80	+ .05	41	40	0	E	1	c	*	r	*	47	40	0.12
	Nice	29.73	50	E	1	o	29.76	− .03	46	?	− 3	2	o	c	3	o, fbr	*	55	45	1.42
	Perpignan ...	29.63	49	W	1	b	29.82	+ .19	39	37	− 1	SW	1	b	*	b	*	65	36	—
	Biarritz ...	29.65	50	WSW	5	r	29.74	+ .14	46	44	− 4	S	3	c	3	rl	*	55	45	0.63
Peninsula.	Corunna ...						29.87		42			NW	1				*			
	Lisbon	29.89	51	NNW	2	o	29.95	+ .10	50	46	− 3	NW	2	r	*	o	*	59	46	0.24
	Azores (P. Delgada)	30.02	62	SSE	5	o	29.87	− .15	65	64	+ 2	SSE	5	o	6	o	*	66	61	0.08

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 3.2 hrs; Eastbourne 4.0 hrs; Hastings Not rec^d Brighton 6.3 hrs.

WEATHER CHARTS

FOR ..... SUNDAY, 1st NOVEMBER, ... 1896.

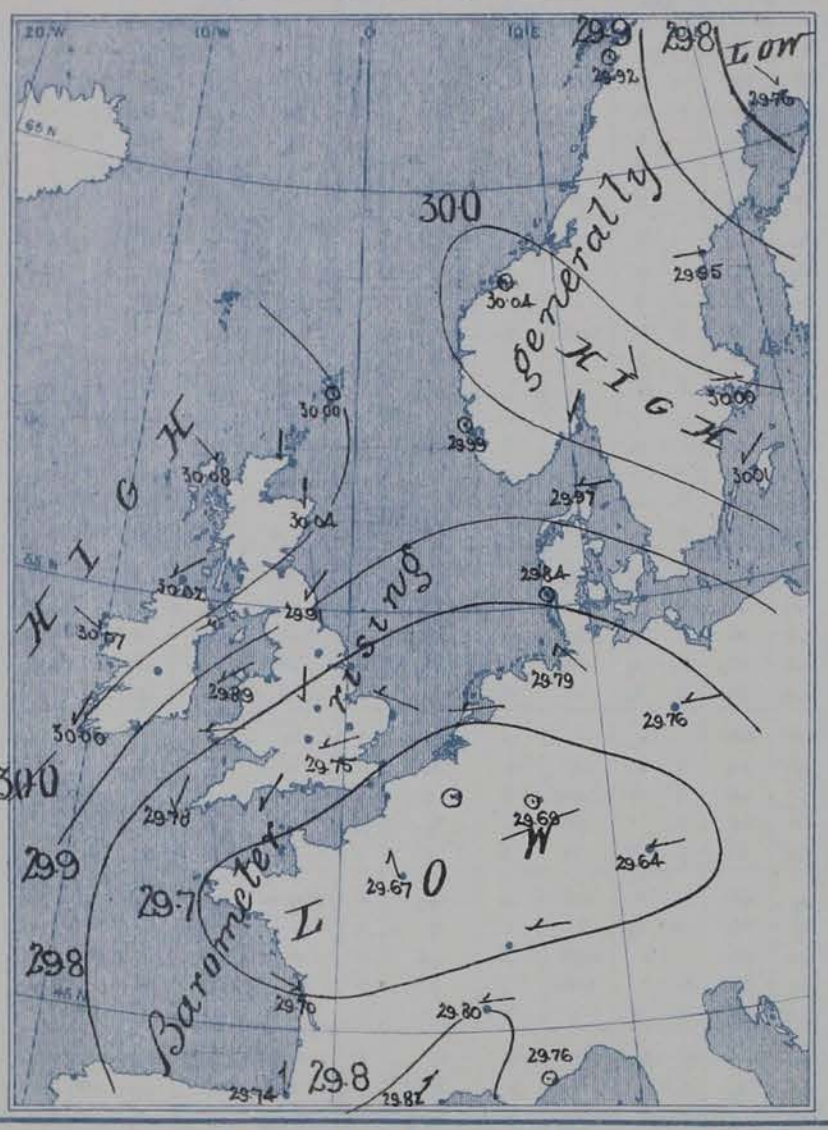
BAROMETER, WIND AND SEA.

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*

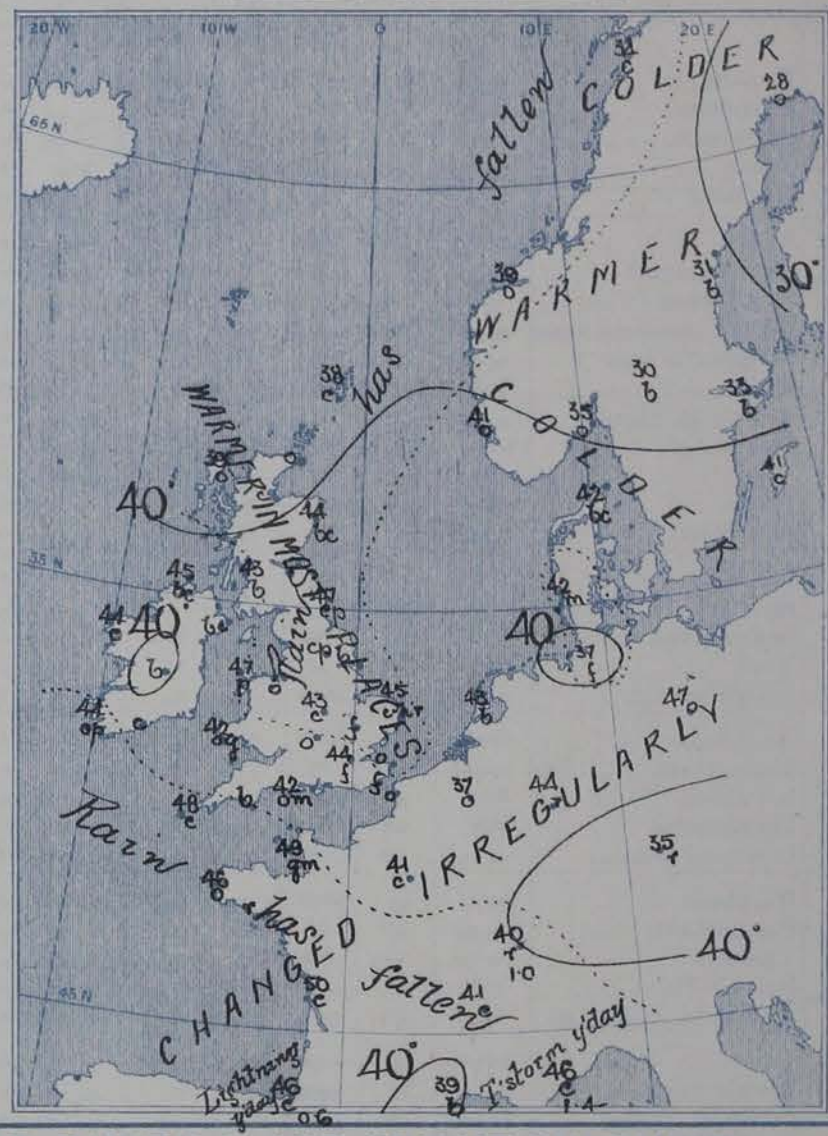


TEMPERATURE & WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 the north and west of Ireland and also in another system over the southern part of Scandinavia.

Lowest, 29·7 ins: and less, in a shallow depression over the north of France, Belgium, and the west and south of Germany; 29·8 ins: and less in another system over Lapland.

Gradients slight generally. Barometer rising a little in most places.

TEMPERATURE

Highest, 50° at Rochefort and Lisbon, 49° at Jersey, 48° at Spurn Hd and Scilly, and 47° at Shields, Belmullet, and Holyhead.

Lowest, 28° at Haparanda, 30° at Karlstad and Hernösand; (2) 35° at Munich, and 37° at Brussels; (3) 36° at Navin and 37° at Parsonstown.

The maxima registered yesterday were below 45° in the north of Scotland and below 50° in all other parts of the Kingdom.

WIND

Light to moderate from the E.ward over Denmark, Germany and the Netherlands, and from the NE.ward or N.ward over the greater part of the United Kingdom.

Strong from the NW.ward in the west of France, variable or S.ward in the south of that country.

Light from the W.ward in Sweden; calm on the Norwegian coast.

WEATHER

Fine in many parts of Ireland & Scotland, but cloudy over England, with fog at some of the southeastern stations, and with showers in the northern and eastern districts.

Cloudy or dull over the western parts of the Continent as a whole, with rain in several places, but fine in Sweden and Denmark.

Showers fell yesterday in many parts of Great Britain and heavy rain in France; the largest amount being 1·4 ins: at Nice (where a thunderstorm occurred) and 1·0 in: at Belfast.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 2nd Nov. 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 ...	29.94	39	36	ESE	2	b	2
Sumburgh Head	29.96	43	40	N	1	c	4
Stornoway	30.01	43	43	NNE	3	o	3
Aberdeen	29.83	45	44	NNE	6	ofr	6
Shields	29.75	45	44	NNW	2	p	4
Ardrossan	29.84	47	45	NNE	2	b	1
Malin Head ...	29.90	46	43	NE	5	c	3
Belmullet	29.99	48	43	NNE	4	c	*
Holyhead	29.79	46	43	NNE	4	ogpm	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.92	46	41	NNE	3	c	3
Scilly	29.72	44	43	N	4	chp	2
Jersey	29.60	49	46	NE	6	c	4
Hurst Castle ...	29.66	48	44	NNE	4	bcm	3
Dungeness ...	29.59	46	44	NNW	3	o	2
North Foreland	29.59	47	45	N	4	o	4
London (Westminster)	29.65	47	42	NNE	3	c	*
Yarmouth ...	29.61	47	43	NNE	4	c	4
Rochefort ...	29.51	51	49	W	6	r	*

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

Weather in morning fine over the central and southwestern parts of our Islands, as well as in most parts of southern Europe. Cloudy or overcast elsewhere, with fog over the south of Russia and the east and south of Germany, showers at many of our own northern stations, and steady rain in the Netherlands and the extreme southeast of England, as well as over the Gulf of Finland. Showers falling later in several parts of Great Britain, and heavy rain in France, — as much as 1·4 in. at Nice (where a thunderstorm occurred) and 1·0 inch at Belfast.

Temperature changed rather irregularly. Morning readings highest 71° at Malta, 68° at Sfax, 67° at Tunis, and 66° at Cagliari; above 60° at most of the Mediterranean stations. Lowest (1) 20° at Ukeaborg, 25° at Hernösand, and 26° at Archangel (2) 27° at Loughborough, and 32° at Oxford and Cambridge; (3) 36° at Munich, and 39° at Paris, Belfast, and Madrid. Daily maxima below 45° in the north of Scotland, and below 50° in all other parts of our Islands. Thermometer reaching 55° or more at several of the French stations, and touching 65° at Perpignan.

Wind light to fresh from the N^w^ over our Islands and the northwest of France; SW^1^ or S^2^ over the southern parts of France; W^2^ over the Spanish Peninsula. Variable over Italy, Austria, and Eastern Germany; E^2^ over Western Germany and the Netherlands; SE^2^ on the eastern shores of the North Sea. Light from the NW^w^ in Sweden and from the NE^w^ in Finland. Subsequently veering to the NE^w^ in many parts of the United Kingdom, and to the W^w^ or NW^w^ in the southwest of France; no important change occurring elsewhere.

Barometer highest 300 in. and upwards in a large area lying to the westward of our Islands and also in another system over the southeastern parts of Europe. Lowest 29·5 in. and less, in a depression over the west of France; 29·6 in. and less, in two small systems lying respectively over Westphalia and off the southeast of England; 29·8 in. and less, in a shallow disturbance over the Baltic Provinces. Depressions beginning to fill up later and barometer rising in most parts of Western Europe.

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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DAILY WEATHER REPORT

for 8 a.m. on Monday, 2nd November, 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 ...	29.95	21	S	2	c	29.69	-.07	23	23	- 5	NNE	2	0	*	c	*	28	14	-
	Hernösand ...	30.02	26	SW	0	c	29.77	-.18	34	33	+ 3	S	4	S	*	c	*	39	23	0.04
	Stockholm ...	30.01	34	SW	0	b	29.85	-.15	36	35	+ 3	NE	2	0	*	b	*	39	32	-
	Wisby	30.02	39	E	1	0	29.78	-.23	43	41	+ 2	E	4	0	*	0	*	43	36	-
	Karlstad ...	30.00	33	NNE	2	b	29.82	-.20	35	33	+ 5	SW	0	0	*	b	*	*	*	-
	Bodö	29.94	28	SW	0	b	29.73	-.19	31	29	- 3	E	4	0	2	b	*	34	27	-
	Christiansund ...	29.89	40	SW	4	r	29.69	-.35	40	39	+ 1	W	8	r	4	r	*	41	39	0.51
	Skudesnaes ...	29.99	43	SW	0	0	29.81	-.18	39	39	- 2	SW	0	0	0	c, 0	*	45	36	*
	Færder (Christiania Fjord)	30.00	37	WNW	2	b	29.83	-.19	34	34	- 1	NNW	2	m	1	b	*	37	34	-
	Skagen (The Scaw)	29.97	43	ENE	1	0	29.82	-.15	43	42	+ 1	NE	1	c	0	0	*	45	41	-
	Fanö	29.83	46	ENE	2	0	29.76	-.08	44	43	+ 2	NE	4	0	*	0	*	46	41	-
	Sumburgh Head	29.97	41	WNW	1	0	29.91	-.09	39	37	+ 1	NW	2	0	3	0	*	43	37	0.01
	Stornoway ...	30.07	43	WNW	1	c	30.04	-.04	42	42	+ 3	N	3	0	3	bc, c	2.2	46	37	-
	Wick	30.02	42	N	2	0	29.95	-.09	44	43	+ 4	N	4	0	2	0	*	44	38	0.05
	Nairn	30.04	40	SW	0	bc	29.99	-.07	42	40	+ 6	W	1	0	1	bc	*	46	34	-
	Aberdeen ...	30.06	41	WNW	3	0g	29.96	-.08	41	40	- 3	WNW	3	bc	2	bc, 0g	5.1	46	39	-
	Leith	30.02	45	ENE	3	0	30.00	-.01	39	38	- 4	NW	2	cm	*	0	*	48	34	-
	Shields	29.99	46	NE	1	cp	29.96	+.05	41	40	- 6	NW	3	c	3	cp	*	48	40	0.03
	Spurn Head ...	29.87	47	NNE	3	ov	29.88	+.11	45	43	- 3	NNE	4	b	4	ov. p	*	51	44	0.22
	York	29.94	46	NNE	1	op	29.96	+.11	40	39	- 3	N	1	c	*	o.p	0.5	49	38	0.40
	Loughborough ...	29.90	45	E	2	c	29.94	+.17	40	39	- 3	NNW	2	cm.w	*	cp.o.cm	*	50	38	0.03
BRITISH ISLANDS.	Ardrossan ...	30.03	43	SW	0	cm	30.00	-.01	38	38	- 5	SW	0	cf	0	cm	*	48	35	-
	Malin Head ...	30.05	46	N	4	bc	30.05	+.03	45	43	0	NNW	3	0g	1	b, bc	*	50	43	0.02
	Belmullet ...	30.09	47	WSW	3	0	30.12	+.05	44	43	- 3	NNE	3	0	*	bc, 0	*	49	40	0.03
	Donaghadee ...	30.02	49	NE	5	c	30.03	+.05	46	44	0	NE	4	c	3	c	*	50	38	-
	Liverpool (Bidston)	29.95	45	NE	2	bc	29.99	+.14	38	37	- 6	NNE	1	bc	1	p.bc	*	48	37	0.02
	Holyhead ...	29.99	48	NE	4	0g	30.01	+.12	47	43	0	NNE	3	c	2	0g	*	50	42	-
	Parsonstown ...	30.02	44	NW	1	b	30.09	+.11	31	31	- 6	SW	0	c	*	b	6.8	50	29	-
	Valencia ...	30.02	46	NNE	5	c	30.09	+.09	43	40	- 1	NE	1	c	2	c	5.0	49	38	-
	Roche's Point ..	29.95	45	NNE	3	b	30.05	+.13	42	40	+ 1	N	3	bc	3	b	*	50	39	-
	Pembroke (St. Ann's Rd.)	29.86	47	ENE	4	bc	29.99	+.17	43	42	+ 1	ENE	3	b	2	0, bc	0.6	49	40	-
	Scilly	29.77	47	ENE	3	cp	29.90	+.12	49	47	+ 1	NE	4	c	1	c	2.2	50	42	0.12
	Prawle Point ...	29.80	43	NNE	3	bc	29.89	+.14	42	41	+ 2	NNE	4	c	3	c. l	*	55	39	-
	Jersey (St. Aubin's)	29.73	49	N	3	bm	29.80	+.12	47	46	- 2	NE	3	0pm	3	p. b. tl	*	51	44	0.14
	Hurst Castle ...	29.79	45	NE	2	bcm	29.84	+.11	45	44	+ 3	NNE	4	p	2	bc, l	*	49	42	0.02
	Dungeness ...	29.77	45	N	3	0	29.77	+.08	45	45	+ 4	NNE	2	r	1	c, 0	*	50	40	0.25
	North Foreland	29.81	50	E	3	0	29.79	+.09	47	46	+ 1	NNE	3	r	2	0	*	51	44	0.29
	London (Brixton) ...	29.81	47	NE	1	c	29.85	+.10	45	44	+ 1	NE	2	0	*	cm. or	0.0	48	43	0.12
	Oxford	29.87	40	NW	1	bc	29.91	+.16	43	41	+ 2	N	4	0	*	0.bc	*	49	40	-
	Cambridge ...	29.86	44	N	1	0	29.88	+.14	43	43	+ 2	NNW	3	r	*	c, 0	2.3	52	39	0.12
	Yarmouth ...	29.80	47	NNE	3	c	29.81	+.08	47	46	+ 2	NNE	5	c	4	c	*	49	44	0.21
GERMANY & HOLLAND.	Cuxhaven ...	29.73	41	N	1	m	29.63	-.16	46	46	+ 9	NE	3	r	*	m. r	*	46	37	0.20
	Berlin	29.68	51	E	3	0	29.72	-.04	44	42	- 3	SW	2	0	*	0	*	52	43	-
	Wiesbaden ...	*	*	*	*	*	29.82	+.13	38	37	- 6	SW	1	0	*	*	*	46	36	0.43
	Munich... ..	29.88	39	W	2	b	29.82	+.18	31	31	- 4	NE	2	0	*	b	*	46	30	0.04
	The Helder ...	29.79	45	NE	1	r	29.76	-.02	48	47	+ 5	NE	1	r	1	r	*	48	43	0.32
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	29.81	+.09	37	37	0	SSE	1	f	*	c	*	44	37	-
	Cape Gris Nez...	29.74	45	E	2	c	29.76	+.12	43	42	- 1	E	1	0	1	c	*	50	39	0.04
	Paris	29.75	45	SE	1	r	29.78	+.11	41	41	0	ESE	1	f	*	r	*	52	39	0.16
	Brest	29.75	48	N	1	c	29.82		43	41		NE	2	0	1	c	*	48	39	-
	Lorient... ..																*			
	Rochefort ...	29.76	52	SW	4	0	29.71	+.01	46	46	- 4	SSE	3	c	*	0	*	55	43	-
	Belfort	29.81	42	SW	0	b	29.80	+.11	31	31	- 9	E	2	m	*	b	*	48	31	0.20
	Lyons	29.81	47	NW	1	b	29.76	-.04	37	36	- 4	NNW	1	0	*	b	*	56	36	-
	Nice	29.80	49	SW	0	c	29.66	-.10	47	42	+ 1	E	4	0	4	c	*	59	43	-
	Perpignan ...	29.78	47	SW	0	b	29.69	-.13	46	45	+ 7	W	1	0	*	b	*	62	39	0.43
	Biarritz ...	29.76	48	WNW	3	b	29.73	-.01	48	46	+ 2	WSW	4	0	2	tlr	*	54	45	0.24
PENINSULA.	Corunna ...																*			
	Lisbon	29.91	50	NNW	2	c	29.89	-.06	45	45	- 5	NE	3	f	*	c	*	57	45	0.04
	Azores (P. Delgada)	29.81	64	NNW	3	c	29.76	-.11	62	60	- 3	SE	3	c	3	c	*	68	59	0.32

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 0.4 hrs; Eastbourne 1.0 hrs; Hastings 0.0, Brighton 3.5 hrs.

WEATHER CHARTS

FOR Monday. 2nd November, 1896.

BAROMETER, WIND AND SEA.

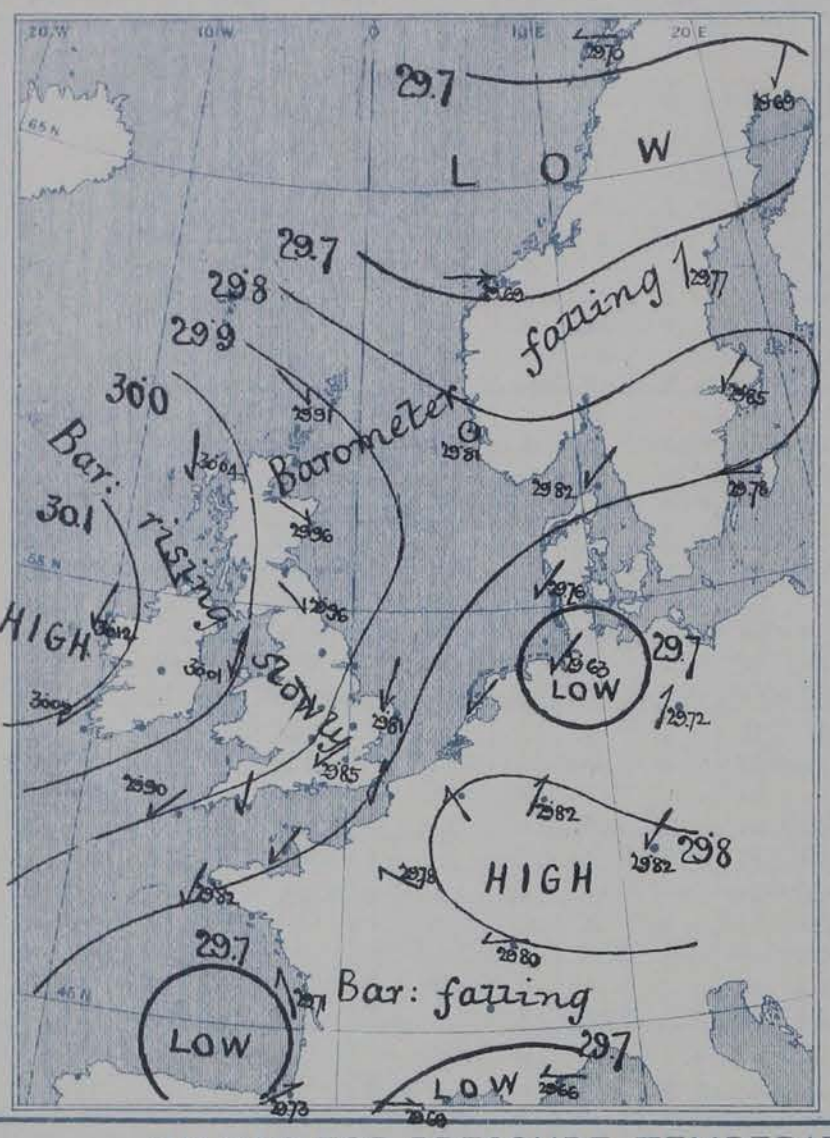
BAROMETER—Isobars are drawn for each tenth of an inch.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 off the west of Ireland.
Lowest, 29·7 ins: and less, in four distinct areas,— one lying over the north of Scandinavia, another over North Germany, the third over the Bay of Biscay, and the fourth over the south of France.
Gradients slight. Barometer falling in Scandinavia, Denmark, and the northeast of Scotland, and also in the south of France, rising a little in most other parts of our area.

TEMPERATURE

Highest, 49° at Scilly, 48° at the Helder and Biarritz, and 47° at Holyhead, Jersey, the North Foreland, Yarmouth, and Nice.
Lowest, (1) 23° at Haparanda and 31° at Bodø; (2) 31° at Parsonstown; (3) 31° at Belfast and Munich.
During yesterday the thermometer rose to 50° and upwards at several of the English and Irish stations, and to 55° at Prawle Point.

WIND

Light to moderate from the N. or NW. on our northern coasts and from the NE. in the south.
Light from the E. over the central and southeastern parts of France, but SW. at Biarritz.
NE. in Sweden and Denmark, but SW. at most of the German stations.

WEATHER

Fair over the United Kingdom as a whole, but dull on our extreme north and northwest coasts. Rainy in the extreme southeast of England, as well as in Holland, North Germany.
Dull over the western part of the Continent generally, with fog at Paris and Brussels, rain at Christiansund, and snow at Hanisand.
Since yesterday rain has fallen in several parts of our area, but the quantity has been mostly slight. Thunderstorms occurred last evening at Jersey and Biarritz, and lightning was seen at Prawle Point and Hunt Castle

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any very decided change in the weather. Small shallow depressions are apparently forming to the northward and eastward of our Islands, and showers are probable in many parts of Great Britain.

FORECASTS

For the 24 hours ending at NOON on 3rd Nov. 1896.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW. and N. winds, moderate; cloudy, some showers.
1 SCOTLAND EAST	
2 ENGLAND N.E.	N. winds, moderate; changeable, some showers.
3 ENGLAND EAST	N. and NE. winds, light or moderate; some showers at first then fair.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	N. winds, light; fair generally.
7 ENGLAND N.W.	
8 ENGLAND S.W.	NE. winds, moderate; cloudy, local 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 ...	30·00	45	43	SE	2	c	2
Sumburgh Head							
Stornoway	30·08	46	45	W	2	bc	2
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·04	47	45	NE	2	b	
Belmullet	30·08	48	45	NE	3	bc	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29·70	50	49	N	3	c	3
Hurst Castle ...							
Dungeness ...	29·71	50	49	NNE	3	c	2
North Foreland	29·67	50	47	E	3	0	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29·74	55	53	W	5	0	*

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 25TH TO THE 31ST OCTR 1896.

The weather of last week was upon the whole again very unsettled, with frequent showers in most parts of our Islands, and with very heavy rains over France and southern Europe. In London and some other portions of our southern counties, however, the conditions during the latter half of the week were mostly fair, and at times quite fine and bright.

Shortly after the commencement of the week the complex series of depressions which had hitherto appeared over our Islands moved away across the North Sea and gradually dispersed, while cold N^ly winds spread over us from the northward. Owing, however, to the presence of shallow secondary systems the weather remained very unsettled, with frequent rains in most districts and with thunder and lightning at several of our southern stations.

On the night of the 28th however, a well marked depression advanced in a north-northeasterly direction across France to Western Germany while another disturbance was formed near the mouth of the English Channel. The former system subsequently moved northwards to Denmark and the southwest of Norway, where it ultimately filled up, while the latter increased somewhat in depth, and occasioned very strong E^ly and NE^ly winds over the Channel. In the eastern districts the weather was much finer than at the commencement of the week, but elsewhere the conditions were showery, with occasional thunder and lightning in many parts of England. At the close of the week the Channel depression was moving southwards, but another small system was forming over our southeast coasts.

Temperature has been low generally for the time of year, with sharp night frosts in the inland districts. Early on the 25th the sheltered thermometer at Nairn fell to a minimum of 19°.

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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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 3rd November, 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	11	N	2	b	29·83	+ ·14	6	5	— 17	N	2	b	*	b	*	25	6	—
	Hernösand ...	29·59	32	SE	2	s	29·65	— ·12	29	28	— 5	N	6	s	*	s	*	37	25	0·24
	Stockholm ...	29·53	36	NE	2	r	29·39	— ·46	33	33	— 3	NE	2	s	*	r	*	43	30	0·28
	Wisby	29·52	42	NE	6	r	? 29·40	— ·38	40	40	— 3	E	4	o	*	r	*	45	34	0·04
	Karlstad ...	29·58	34	N	2	o	29·43	— ·39	32	31	— 3	NE	4	s	*	o,r	*	*	*	—
	Bodö	29·75	29	NE	2	b	29·91	+ ·18	25	21	— 6	ENE	5	b	2	b	*	32	23	—
	Christiansund ...	29·54	41	WNW	5	r	29·81	+ ·12	36	35	— 4	E	4	r	4	r	*	41	36	0·32
	Skudesnaes ...	29·67	39	NNW	8	r	29·61	— ·20	39	38	0	N	6	c	2	r	*	47	36	*
	Færder (Christiania Fjord)	29·54	40	W	1	c	29·45	— ·38	36	34	+ 2	NNE	6	c	2	c	*	40	34	—
	Skagen (The Scaw)	29·53	42	L	0	c	29·38	— ·44	39	37	— 4	NE	3	o	1	c	*	45	37	0·20
	Fanö	29·55	43	W	4	c	29·43	— ·33	41	38	— 3	NW	4	b	*	c	*	46	39	0·08
	Sumburgh Head	29·93	37	N	4	o	29·95	+ ·04	38	36	— 1	N	4	b	5	cp,o	*	41	35	0·04
	Stornoway ...	30·09	41	NNE	3	o	30·11	+ ·07	37	37	— 5	NNE	3	o	3	o	1·6	45	34	—
	Wick	29·99	40	N	4	c	29·99	+ ·04	39	38	— 5	N	3	c	1	c	*	44	34	—
	Nairn	30·03	40	ENE	2	c	30·06	+ ·07	35	34	— 7	W	1	c	1	c	*	48	33	0·04
	Aberdeen ...	29·98	39	NW	4	bcq	30·00	+ ·04	38	36	— 3	NW	4	bcq	4	cpq	3·2	46	36	0·03
	Leith	29·98	42	W	3	b	30·03	+ ·03	36	34	— 3	NW	2	b	*	b	*	46	35	—
	Shields	29·91	44	NW	2	r	29·95	— ·01	39	37	— 2	NW	3	r	3	o,r	*	46	37	0·17
	Spurn Head ...	29·84	45	NW	4	r	29·89	+ ·01	41	40	— 4	NW	4	cp	4	cp	*	48	40	0·16
	York	29·89	45	WNW	1	o	29·97	+ ·01	38	36	— 2	NNW	1	c	*	o	0·5	47	37	0·01
	Loughborough ...	29·92	43	NW	1	o	29·97	+ ·03	35	34	— 5	NW	2	cmw	*	cm,op,c	*	47	35	0·01
British Isles.	Ardrossan ...	29·98	43	N	1	bf	30·06	+ ·06	35	35	— 3	L	0	bf	0	bf	*	47	32	—
	Malin Head ...	30·02	47	NNW	5	opd	30·08	+ ·03	43	41	— 2	NNW	4	o	1	c,opd	*	47	41	0·01
	Belmullet ...	30·09	46	NNE	4	o	30·14	+ ·02	45	42	+ 1	ENE	3	o	*	c,o	*	? 50	40	0·03
	Donaghadee ...	30·00	47	NE	5	o	30·05	+ ·02	44	41	— 2	NNE	3	c	1	b	*	49	43	—
	Liverpool (Bidston)	29·96	42	NNW	1	c	30·02	+ ·03	37	35	— 1	N	2	b	2	c	*	46	36	—
	Holyhead ...	29·95	47	N	3	c	30·03	+ ·02	45	41	— 2	NE	3	c	2	og,c	*	48	41	—
	Parsonstown ...	30·04	44	NW	1	o	30·09	·00	42	39	+ 11	L	0	o	*	o	1·5	46	30	—
	Valencia ...	30·06	46	NNE	2	c	30·11	+ ·02	45	41	+ 2	NE	3	bc	3	c	4·7	51	41	—
	Roche's Point ..	30·03	46	NNE	3	c	30·06	+ ·01	42	40	0	N	3	bc	3	c	*	50	40	—
	Pembroke (St. Ann's Hd.)	29·94	46	E	3	c	30·02	+ ·03	43	42	0	E	1	o	1	c	5·6	49	40	—
	Scilly	29·88	49	NNE	4	c	29·94	+ ·04	47	43	— 2	ENE	3	c	1	c	3·3	50	43	—
	Prawle Point ...	29·88	42	N	3	c	29·98	+ ·09	39	38	— 3	N	3	c	2	c	*	47	36	—
	Jersey (St. Aubin's)	29·78	48	NNW	3	opm	29·92	+ ·12	48	48	+ 1	NE	3	o	3	omp	*	49	46	0·20
	Hurst Castle ...	29·84	46	NNE	3	pm	29·95	+ ·11	43	42	— 2	NNE	2	bcm	1	pm	*	46	38	0·05
	Dungeness ...	29·76	48	NNE	3	r	29·86	+ ·09	41	41	— 4	NNW	2	bc	1	r	*	50	40	0·08
	North Foreland	29·79	48	NNE	6	r	29·87	+ ·08	44	42	— 3	NW	4	c	3	o,r	*	49	41	0·46
	London (Brixton) ...	29·84	44	NNE	2	o	29·95	+ ·10	40	38	— 5	N	2	bc	*	or,o,b	0·0	47	40	0·06
	Oxford	29·91	39	NE	1	b	29·97	+ ·06	39	37	— 4	N	2	c	*	c,b	*	46	38	—
	Cambridge ...	29·87	40	N	2	b	29·94	+ ·06	37	37	— 6	NW	2	om	*	c,b	1·3	49	34	0·02
	Yarmouth ...	29·80	45	N	3	bc	29·84	+ ·03	43	40	— 4	NNW	4	cpq	4	hp,bc	*	48	39	0·07
Germany & Holland.	Cuxhaven ...	29·66	43	N	3	o	29·50	— ·13	43	42	— 3	N	5	b	*	o,r	*	46	41	0·12
	Berlin	29·65	45	SW	2	o	29·49	— ·25	43	41	— 1	W	4	o	*	o	*	50	43	0·08
	Wiesbaden ...	*	*	*	*	*	29·75	— ·07	44	42	+ 6	W	1	r	*	*	*	45	37	—
	Munich	29·68	37	E	2	o	29·78	— ·04	35	35	+ 4	SW	5	c	*	o	*	39	30	—
	The Helder ...	29·75	47	N	1	b	29·71	— ·05	45	41	— 3	N	4	bc	2	b	*	48	45	0·08
Belgium.	Brussels ...	*	*	*	*	*	29·82	+ ·01	41	41	+ 4	W	1	f	*	o	*	41	36	0·04
	Cape Gris Nez ...	29·75	48	E	1	r	29·80	+ ·04	44	41	+ 1	NNE	4	o	4	r	*	50	41	0·24
	Paris	29·79	42	NNE	1	c	29·91	+ ·13	39	38	— 2	SSW	1	o	*	c	*	44	31	—
	Brest	29·82	48	NNE	2	c	29·88	+ ·06	47	46	+ 4	NE	1	c	1	c	*	52	41	0·16
	Lorient	29·73	42	NNE	3	c	29·89		43	43		ENE	4	bc	2	c	*	48	37	—
France &	Rochefort ...	29·79	48	NE	3	o	29·90	+ ·19	44	42	— 2	E	3	f	*	c,o	*	55	41	—
	Belfort	29·69	37	L	0	m	29·87	+ ·07	32	31	+ 1	SW	1	m	*	m	*	43	29	—
	Lyons	29·73	42	WNW	1	o	29·91	+ ·15	35	34	— 2	NNW	1	b	*	o	*	45	35	—
	Nice	29·65	45	L	0	r	29·79	+ ·13	40	38	— 7	E	1	bc	4	r	*	52	37	0·63
	Perpignan ...	29·75	50	NW	2	b	29·88	+ ·19	37	35	— 9	WSW	1	c	*	b	*	55	35	—
	Biarritz ...	29·76	50	WSW	4	c	29·80	+ ·07	47	43	— 1	S	3	b	2	c,tbr	*	50	45	0·04
Peninsula.	Corunna ...																*			
	Lisbon	29·79	49	N	4	b	29·78	— ·11	46	41	+ 1	NE	4	b	*	b	*	55	43	—
	Azores (P. Delgada)	29·71	64	SSE	5	bc	29·76	·00	62	60	+ 1	E	5	c	6	bc	*	68	61	0·39

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 0·0 hrs; Hastings 0·0 hrs; Brighton 0·0 hrs.

WEATHER CHARTS

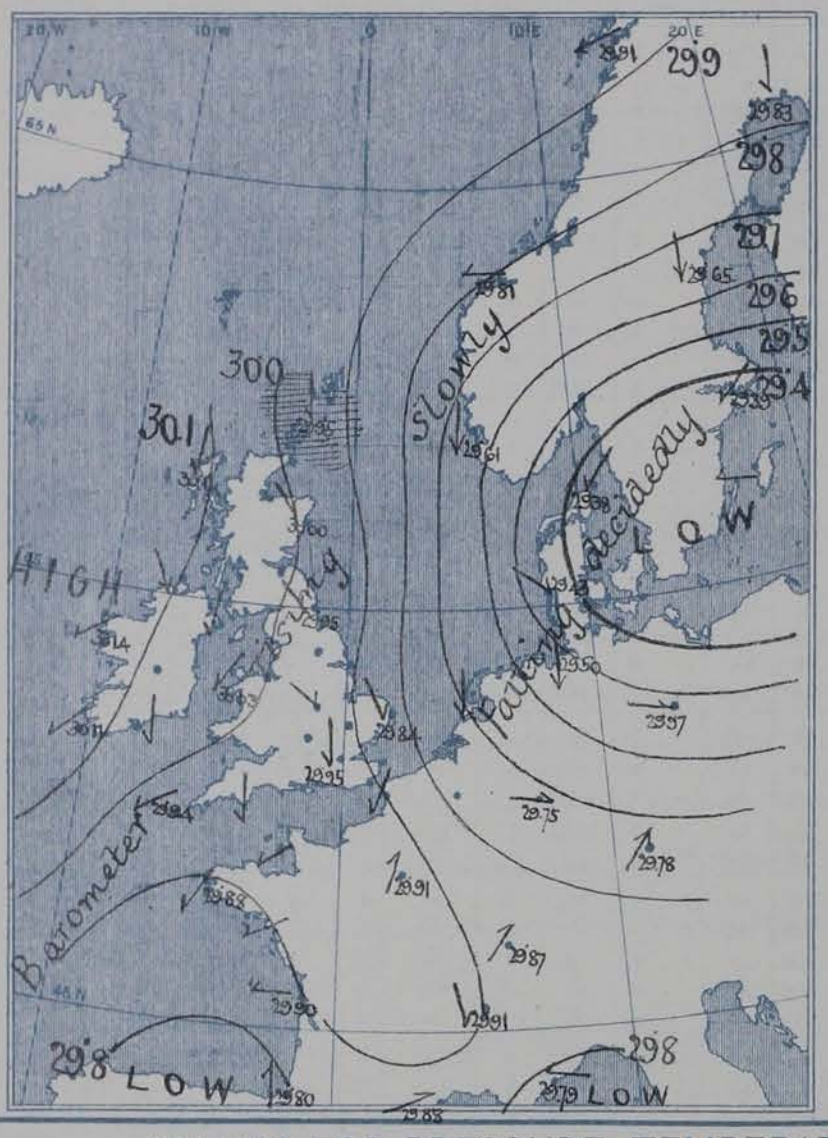
FOR Tuesday, 3rd November 1896.

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* ⟶ ; }

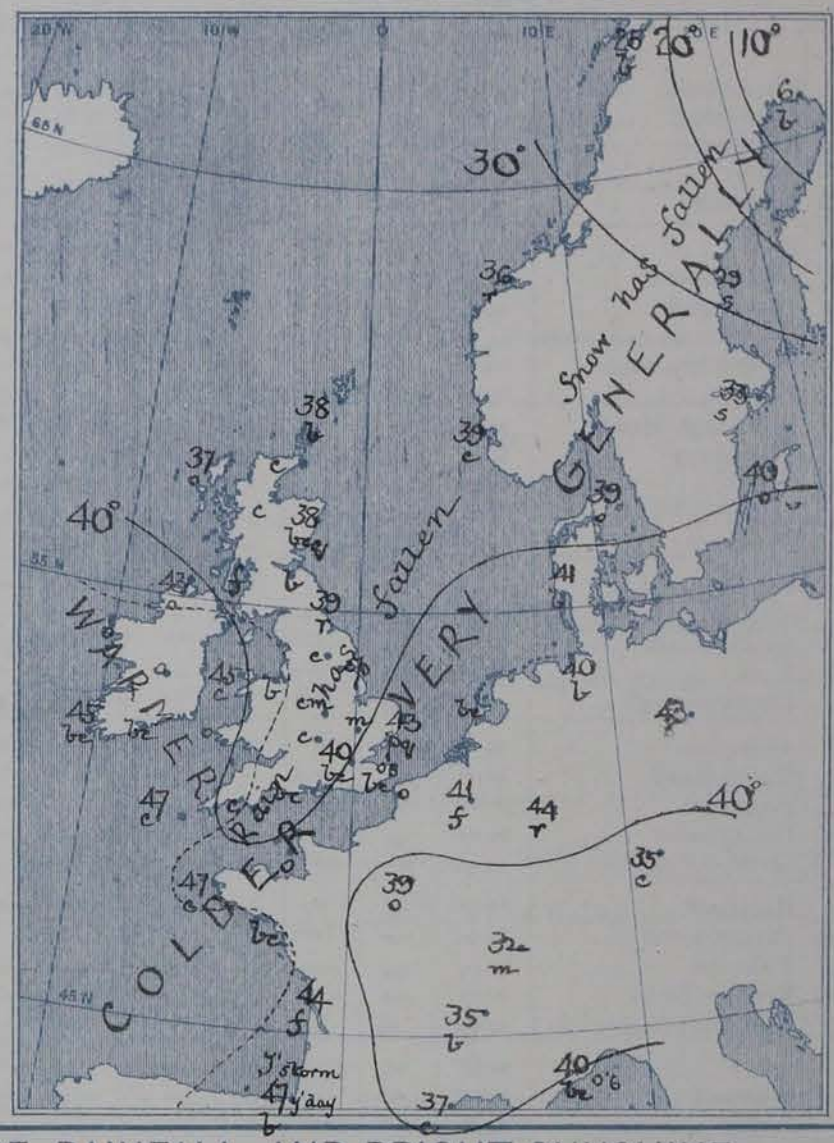
SEA—Rough ; *High*



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 NOVEMBER.

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 · 693	42 · 3	40 · 6	45 · 8	38 · 2	55	1890	21	1875	4 · 14	—	—
Stornoway	29 · 703	42 · 0	41 · 0	46 · 4	37 · 1	56	1881	20	1880	4 · 80	42 · 1	18
Wick	29 · 728	41 · 6	40 · 1	46 · 2	36 · 4	58	1885, 89	15	1884	2 · 93	—	—
Nairn	29 · 743	40 · 0	38 · 4	45 · 7	35 · 5	61	1885, 94	18	1880	2 · 14	—	—
Aberdeen	29 · 772	40 · 7	38 · 9	46 · 3	36 · 7	62	1872, 89	15	1880, 84	3 · 16	54 · 7	23
Leith	29 · 798	41 · 8	40 · 1	48 · 2	37 · 1	64	1872	18	1885	2 · 05	—	—
Shields	29 · 824	42 · 4	40 · 8	47 · 6	38 · 0	62	1881, 94	20	1880	2 · 39	—	—
Spurn Head	29 · 854	43 · 5	42 · 2	47 · 1	40 · 4	61*	1894, 95	28*	1884	2 · 28	—	—
York	29 · 859	40 · 9	39 · 7	47 · 7	36 · 6	62	1894, 95	14	1871	2 · 21	39 · 7	16
Loughborough	29 · 888	40 · 7	39 · 5	48 · 4	36 · 7	63*	1881, 93, 94, 95	19*	1887, 93	2 · 21	—	—
Ardrossan	29 · 799	43 · 3	41 · 6	47 · 9	39 · 2	60	1872	21	1880	3 · 78	—	—
Donaghadee	29 · 819	43 · 4	42 · 3	48 · 5	39 · 4	60	1894	27	1878, 83	3 · 10	—	—
Holyhead	29 · 845	45 · 9	44 · 2	49 · 8	42 · 9	62	1881	29	1880	3 · 96	—	—
Liverpool	29 · 862	42 · 7	40 · 9	48 · 0	39 · 7	63	1872	22	1880	2 · 81	—	—
Parsonstown	29 · 852	41 · 8	40 · 3	49 · 5	37 · 0	62	1874	20	1890	2 · 86	63 · 1	25
Valencia	29 · 867	47 · 4	45 · 5	52 · 3	42 · 9	63	1881	27	1890	5 · 63	63 · 8	25
Roche's Point	29 · 869	46 · 2	44 · 6	51 · 2	42 · 0	61	1875	27	1890	4 · 79	—	—
Pembroke	29 · 871	47 · 1	45 · 4	50 · 3	43 · 6	58	1884, 95	28	1890	4 · 04	58 · 8	23
Scilly	29 · 898	50 · 1	48 · 1	52 · 6	46 · 6	60	1875, 81	29	1890	3 · 80	—	—
Prawle Point	29 · 917	46 · 4	44 · 9	51 · 2	42 · 1	61*	1881	19*	1890	3 · 26	—	—
Jersey	29 · 937	48 · 0	46 · 0	52 · 3	44 · 3	64	1874, 81	16	1890	4 · 19	70 · 9	26
Hurst Castle	29 · 912	45 · 3	44 · 3	50 · 7	41 · 0	66	1874	20	1890	3 · 11	—	—
Dover	29 · 904	44 · 7	43 · 3	49 · 7	40 · 9	61	1895	17	1890	3 · 30	—	—
LONDON	29 · 910	42 · 5	41 · 1	49 · 6	38 · 3	65	1894	19	1879	2 · 31	29 · 5†	11†
Oxford	29 · 908	41 · 4	40 · 2	48 · 5	37 · 7	68	1881	19	1871, 87	2 · 42	55 · 4	22
Cambridge	29 · 901	41 · 0	40 · 1	48 · 9	36 · 0	65	1895	15	1890	2 · 07	61 · 7	24
Yarmouth	29 · 879	43 · 4	42 · 2	47 · 7	39 · 2	60	1895	23	1890	2 · 92	—	—

* 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 a large area lying to the westward of our Islands.
Lowest 29.4 ins. and less in a depression lying over Denmark, the Baltic and the south of Sweden.
Gradients moderate to rather steep over Scandinavia and the North Sea, but slight elsewhere.
Barometer rising a little in most parts of our Islands and France, and more decidedly over the Nᵗʰ parts of Scandinavia; falling over Denmark, N. Germany and the S. of Sweden.

TEMPERATURE

Highest 48° at Jersey, 47° at Scilly, Brest and Biarritz, and 45° at Belmullet, Holyhead, Valencia (Ireland) and the Helder.
Lowest (1) 6° at Haparanda, 25° at Boden, and 29° at Hernösand; (2) 32° at Belfort, and 35° at Lyons and Munich; (3) 35° at Nairn, Ardrossan and Loughborough.
Frost occurred last night at some of our Nᵗʰ and central stations: at Parsonstown the thermometer in the screen fell to 30°, and at Loughborough an instrument on the grass registered 29°.

WIND

Moderate to strong from the Nᵗʰ or NEᵗʰ in Scandinavia; light to moderate from the NWᵗʰ on the east coasts of Gt. Britain; moderate to fresh from the Wᵗʰ in Germany.
Light from the NEᵗʰ in the western parts of our Islands and France; but from the SWᵗʰ or Sᵗʰ in the south of France.

WEATHER

Fair or fine over the greater part of our Islands and France, but showery along the E. coasts of England.
Dull and unsettled over Scandinavia and Germany, with snow in Sweden, and with rain at Christiansund, and also at Wiesbaden.
Rain fell yesterday in many parts of Gt. Britain, and also at several of the Continental stations.
A thunderstorm occurred at Biarritz.

SEA

Slight or smooth generally, but rather rough at Sumburgh Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression noticed yesterday over the Nᵗʰ parts of Scandinavia has moved southwards and has increased considerably in depth. Small secondary disturbances are likely to pass down the North Sea, and showery weather is therefore probable in many parts of Gt. Britain.

FORECASTS

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

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Nᵗʰ winds, moderate, changeable, some cold showers.	6	SCOTLAND WEST	Nᵗʰ and NEᵗʰ winds, light; fair generally.
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.	Same as No. 5.	8	ENGLAND S.W.	NEᵗʰ winds, moderate, cloudy, some showers.
3	ENGLAND EAST		9	IRELAND NORTH	Same as Nos. 0 and 1.
4	MIDLAND COUNTIES		10	IRELAND SOUTH	Same as Nos. 6 and 7.
5	ENGLAND SOUTH	NWᵗʰ to Nᵗʰ winds moderate or fresh, changeable, some showers.		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	47	45	N	4	r	7
Sumburgh Head	29·91	39	37	N	4	cf	*
Stornoway	30·07	45	44	NNE	3	o	3
Aberdeen	29·96	43	40	NNW	4	cq	4
Shields	29·92	46	43	NNW	2	o	3
Ardrossan	29·98	47	45	W	o	bf	0
Malin Head ...	30·01	47	46	NNW	4	cm	1
Belmullet	30·11	47	46	NNE	3	c	*
Holyhead	29·97	47	45	N	2	og	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·07	48	43	NE	4	c	4
Scilly	29·90	50	46	NNE	4	c	1
Jersey	29·78	48	47	NNE	3	omp	3
Hurst Castle ...	29·89	46	45	NNE	3	p	2
Dungeness ...	29·75	48	48	NNE	1	r	0
North Foreland	29·79	48	47	N	2	o	2
London (Westminster)	29·82	48	45	NNE	2	od	*
Yarmouth ...	29·80	48	46	NNE	4	bcpfr	4
Rochefort ...	29·77	56	53	SE	3	c	*

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

Weather in morning fair over the United Kingdom as a whole, but dull on our extreme N. and NW. coasts, and rainy in the SE. of England, as well as in Holland, Denmark and N. Germany. Cloudy or dull in most other parts of the Continent, with rain or snow at some of the Scandinavian stations, as well as at Toulon and Barcelona. Fog reported in many parts of central Europe. Rain falling during day in most parts of Gt. Britain and the neighbouring countries, thunderstorm occurring at Biarritz.

Temperature fallen in the more central countries, but changed rather irregularly elsewhere. Morning readings highest 71° at Brindisi, 69° at Athens, 65° at Trieste, and 64° at Palermo. Lowest (1) 23° at Haparanda, 26° at Ulealeo, and 27° at Kuopio; (2) 31° at Parsonstown; (3) 31° at Belfort and Munich. Rising during day to between 46° and 50° over our Islands generally; exceeding 55° in the W. and S. of France, and reaching 55° at Perpignan.

Wind light to moderate from the N^wd. or NW^wd. over the northern parts of our Islands, and from the NE^wd. in the south. Rather variable over the N^rn. parts of Russia and Scandinavia; NE. in Denmark and the S. of Sweden; SW. at most of the German stations. Calm in Austria, E. over N^rn. Italy and the S. and E. of France; variable over the Spanish peninsula. No important change occurring over W^rn. Europe during day.

Barometer highest 30·1 ins. and upwards in an anticyclone off the W. of Ireland; 30·0 ins. and upwards in another system over Russia. Lowest 29·7 ins. and less in five distinct areas,—one lying over the N. of Scandinavia, another over N. Germany and the Baltic, a third over the Bay of Biscay, a fourth over the extreme S. of France, and the fifth over the N^rn. part of the Adriatic. Depression over the N. of Scandinavia subsequently moving S^wds., and becoming gradually deeper.

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 Wednesday, 4th November, 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 ...	29.95	21	N	2	c	30.00	+.17	11	11	+ 5	N	4	b	*	c	*	21	5	-
	Hernösand ...	29.95	19	NNW	8	b	30.14	+.49	23	22	- 6	NW	6	bc	*	b	*	32	18	0.04
	Stockholm ...	29.62	32	N	8	o	29.92	+.53	29	26	- 4	N	4	b	*	o	*	36	29	0.39
	Wisby	29.80	41	SE	6	r	29.78	+.38	36	33	- 4	N	8	o	*	r	*	43	36	0.71
	Karlstad ...	29.71	33	E	6	o	30.12	+.69	20	19	- 12	N	6	b	*	8.0	*	*	*	0.05
	Bodö	30.09	24	ENE	4	b	30.14	+.23	22	18	- 3	ENE	4	b	1	b	*	?	21	-
	Christiansund ...	29.96	33	E	2	b	30.13	+.32	35	32	- 1	W	2	c	3	b	*	37	32	0.04
	Skudesnaes ...	29.82	38	N	6	b	30.10	+.49	32	32	- 7	NNE	1	b	2	b	*	43	32	*
	Færder (Christiania Fjord)	29.73	35	NNE	6	o	30.14	+.69	30	26	- 6	NNE	4	b	2	o	*	37	30	-
	Skagen (The Scaw)	29.64	38	NE	8	o	30.11	+.73	32	30	- 7	NE	3	c	2	o	*	39	30	-
	Fanö	29.66	37	N	6	b	30.10	+.67	37	36	- 4	N	4	c	*	b	*	43	36	-
British Islands.	Sumburgh Head	30.02	38	N	1	b	30.15	+.20	41	39	+ 3	W	0	o	3	bc, b	*	43	33	0.04
	Stornoway ...	30.14	40	WNW	3	o	30.21	+.10	41	41	+ 4	NSW	3	o	3	o	0.7	43	35	-
	Wick	30.12	41	N	2	r	30.20	+.21	38	37	- 1	W	3	c	1	r	*	46	31	0.05
	Nairn	30.10	40	WNW	1	c	30.26	+.20	36	34	+ 1	W	1	bc	1	c	*	43	32	-
	Aberdeen ...	30.08	40	NW	3	cp	30.29	+.29	34	33	- 4	WNW	2	bc	2	c q l p	3.0	42	32	0.07
	Leith	30.10	42	NW	3	o	30.29	+.26	29	29	- 7	SW	0	m	*	o	*	48	28	-
	Shields	30.04	40	NNW	3	b	30.32	+.37	35	33	- 4	W	2	bcm	3	p, e, b, p	*	44	32	0.02
	Spurn Head ...	29.99	43	NW	5	o p	30.29	+.40	40	39	- 1	NW	3	c	3	bc, p	*	45	38	0.09
	York	30.03	40	N	1	b	30.32	+.35	32	32	- 6	NNW	1	b	*	b	4.7	45	30	-
	Loughborough ...	30.07	40	NW	1	b	30.34	+.37	26	26	- 9	NW	1	b	*	c m, bc, b	*	46	25	-
	Ardrossan ...	30.11	42	SW	0	b	30.31	+.25	32	32	- 3	SW	0	o f	0	b	*	46	29	-
	Malin Head ...	30.14	43	N	2	o	30.29	+.21	40	39	- 3	S	2	c g	1	o	*	44	39	-
	Belmullet ...	30.19	45	NE	1	o	30.32	+.18	41	39	- 4	SSE	3	o	*	o	*	41	39	-
	Donaghadee ...	30.13	42	NNE	3	b	30.32	+.27	31	31	- 13	W	3	b	1	b	*	45	31	-
	Liverpool (Bidston)	30.12	40	NNW	1	b	30.36	+.34	33	32	- 4	SW	0	b	?	b	+	43	32	-
	Holyhead ...	30.12	44	NNE	2	b	30.33	+.30	35	34	- 10	SW	0	b c f	0	b	*	45	34	-
	Parsonstown ...	30.15	42	N	1	o	30.34	+.25	29	28	- 13	SW	0	bc	*	o. b c	0.0	44	29	-
	Valencia ...	30.16	40	NE	2	b	30.32	+.21	34	32	- 11	ENE	2	c	3	bc, b	5.8	48	29	-
	Roche's Point ...	30.12	42	NNE	3	b	30.34	+.28	37	35	- 5	N	2	bc	2	b	*	50	35	-
	Pembroke (St Ann's Hd.)	30.09	42	E	1	b	30.32	+.30	37	36	- 6	E	3	b m	1	b	5.3	48	35	-
	Scilly	30.04	49	NE	3	c	30.24	+.30	46	43	- 1	ENE	3	c	1	c	2.1	50	42	-
	Prawle Point	30.08	39	ENE	3	c	30.30	+.32	40	39	+ 1	NE	4	c q	3	c	*	49	37	-
	Jersey (St Aubin's)	30.02	48	NE	2	c m	30.25	+.33	47	45	- 1	NE	3	b m	3	c m, c q	*	51	46	-
	Hurst Castle ...	30.06	40	NNW	1	b m	30.32	+.37	36	34	- 7	NE	2	b m	2	b c m	*	48	32	-
	Dungeness ...	29.99	39	NNW	1	b	30.25	+.39	35	34	- 6	NNW	2	m	1	b	*	46	31	-
	North Foreland	30.00	43	NW	4	b c	30.25	+.38	44	42	0	NNW	4	b c w	3	b c	*	46	40	-
	London (Brixton) ...	30.05	43	NNE	2	b c	30.31	+.36	32	32	- 8	SW	0	f	*	c, b	0.8	46	30	-
	Oxford	30.12	38	N	2	o	30.35	+.38	28	28	- 11	NNW	1	b	*	o, b	*	49	27	-
	Cambridge ...	30.04	38	NW	2	b	30.33	+.39	32	32	- 5	NW	1	b m	*	b	5.4	49	30	-
	Yarmouth ...	29.93	43	NW	2	b c	30.25	+.41	43	40	0	N	4	b c q	4	b c. c	*	47	39	0.02
Germany & Holland.	Cuxhaven ...	29.55	39	NW	3	r	30.06	+.56	39	37	- 4	NNE	5	b c	*	r	*	46	37	0.08
	Berlin	29.54	39	NNW	4	o	29.86	+.39	37	37	- 6	W	5	o	*	o	*	47	36	0.12
	Wiesbaden ...	*	*	*	*	*	30.16	+.41	40	38	- 4	SW	2	c	*	*	*	48	39	0.08
	Munich	29.89	41	W	5	o	30.20	+.42	37	35	+ 2	W	5	b	*	o	*	43	32	0.08
	The Helder ...	29.82	44	N	5	b c	30.19	+.48	45	41	0	ENE	1	b c	1	b c	*	48	43	0.08
Belgium.	Brussels ...	*	*	*	*	*	30.24	+.42	39	38	- 2	SW	0	c	*	b	*	47	35	0.08
	Cape Gris Nez ...	30.01	43	N	5	o	30.17	+.37	44	43	0	NE	4	c	4	o	*	46	39	-
	Paris	29.97	44	W	1	r	30.21	+.30	31	31	- 8	NNE	2	b	*	q r	*	46	30	-
	Brest	29.99	48	ENE	2	o	30.15	+.27	46	43	- 1	E	2	o	1	o	*	52	39	-
	Lorient	29.89	42	E	3	o	30.10	+.21	43	43	0	E	3	o	3	o	*	46	41	-
France &	Rochefort ...	29.91	46	E	3	m	30.06	+.16	40	39	- 4	NE	5	c	*	m	*	54	37	-
	Belfort	29.98	35	SW	0	m	30.18	+.31	31	31	- 1	SW	0	f	*	m	*	43	31	-
	Lyons	29.99	42	NNW	1	b	30.08	+.17	37	35	+ 2	N	6	m	*	b	*	50	35	-
	Nice	29.88	46	E	1	b	29.95	+.16	41	38	+ 1	E	1	c	2	b	*	54	39	-
	Perpignan ...	29.90	44	SW	0	b	29.95	+.07	41	40	+ 4	SW	0	o	*	b	*	57	37	-
	Biarritz ...	29.85	52	NE	3	b c	29.93	+.13	41	40	- 6	ENE	3	o	2	b c	*	57	39	-
Penin-sula.	Corunna ...																*			
	Lisbon	29.80	49	N	4	b	29.84	+.06	44	43	- 2	ENE	2	b	*	b	*	55	44	-
	Azores (P. Delgada)	29.99	60	NE	4	b c	30.02	+.26	59	57	- 4	ENE	4	b	3	b c	*	66	55	-

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 5.1 hrs; Hastings 7.0 hrs Brighton 5.0 hrs.

WEATHER CHARTS

FOR Wednesday, 4th November, 1896.

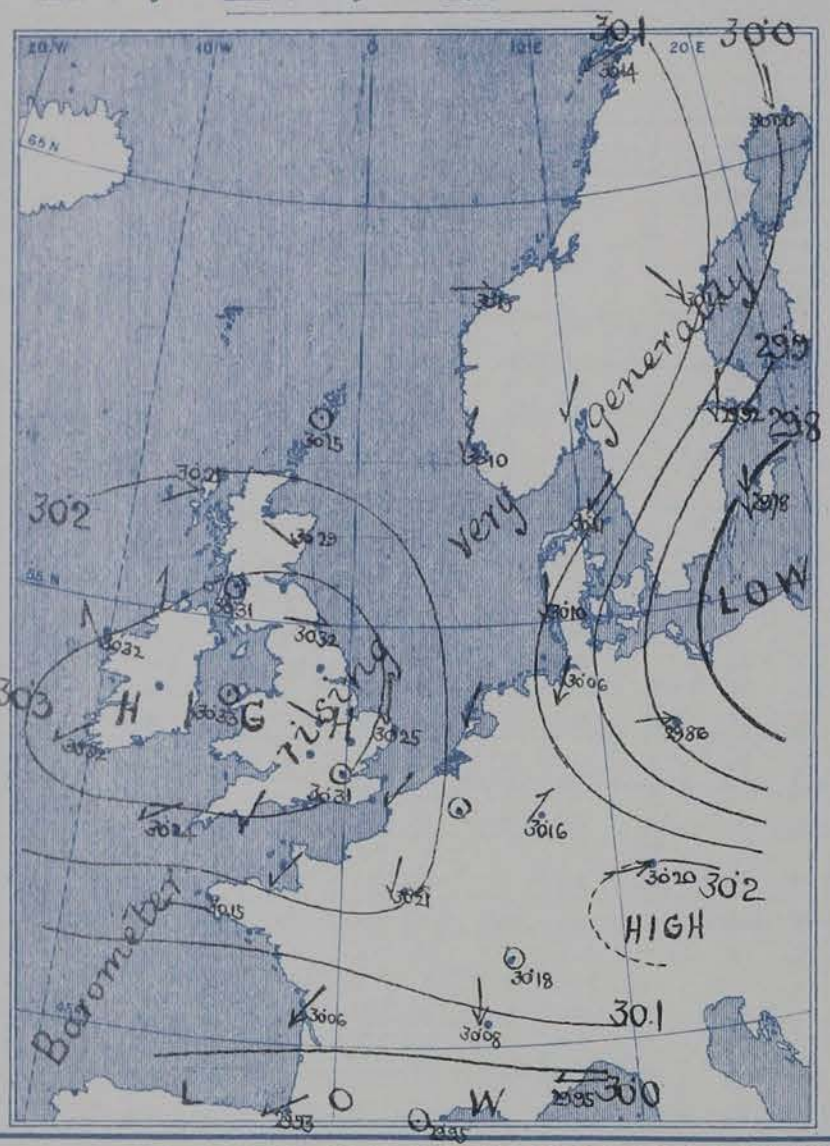
BAROMETER, WIND AND SEA.

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* ▬

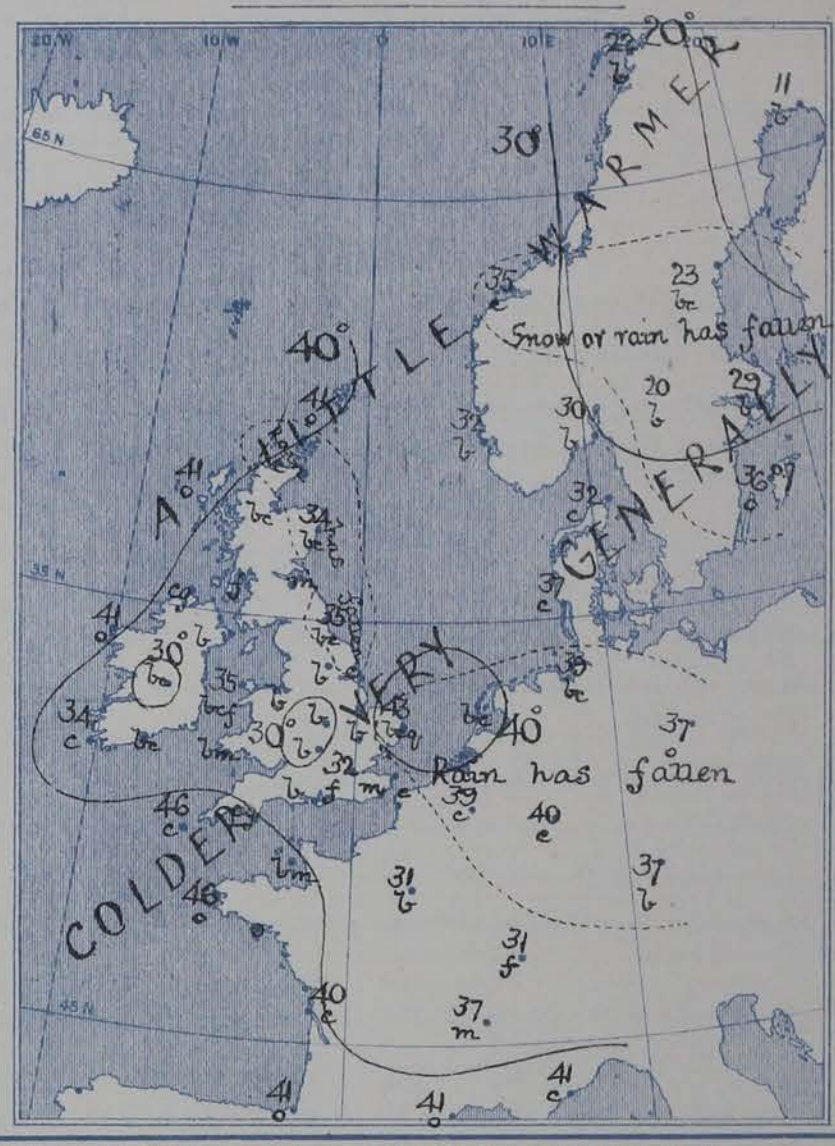


TEMPERATURE & WEATHER.

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 NOVEMBER.*

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 · 693	42 · 3	40 · 6	45 · 8	38 · 2	55	1890	21	1875	4 · 14	—	—
Stornoway	29 · 703	42 · 0	41 · 0	46 · 4	37 · 1	56	1881	20	1880	4 · 80	42 · 1	18
Wick	29 · 728	41 · 6	40 · 1	46 · 2	36 · 4	58	1885, 89	15	1884	2 · 93	—	—
Nairn	29 · 743	40 · 0	38 · 4	45 · 7	35 · 5	61	1885, 94	18	1880	2 · 14	—	—
Aberdeen	29 · 772	40 · 7	38 · 9	46 · 3	36 · 7	62	1872, 89	15	1880, 84	3 · 16	54 · 7	23
Leith	29 · 798	41 · 8	40 · 1	48 · 2	37 · 1	64	1872	18	1885	2 · 05	—	—
Shields	29 · 824	42 · 4	40 · 8	47 · 6	38 · 0	62	1881, 94	20	1880	2 · 39	—	—
Spurn Head	29 · 854	43 · 5	42 · 2	47 · 1	40 · 4	61*	1894, 95	28*	1884	2 · 28	—	—
York	29 · 859	40 · 9	39 · 7	47 · 7	36 · 6	62	1894, 95	14	1871	2 · 21	39 · 7	16
Loughborough	29 · 888	40 · 7	39 · 5	48 · 4	36 · 7	63*	1881, 93, 94, 95	19*	1887, 93	2 · 21	—	—
Ardrossan	29 · 799	43 · 3	41 · 6	47 · 9	39 · 2	60	1872	21	1880	3 · 78	—	—
Donaghadee	29 · 819	43 · 4	42 · 3	48 · 5	39 · 4	60	1894	27	1878, 83	3 · 10	—	—
Holyhead	29 · 845	45 · 9	44 · 2	49 · 8	42 · 9	62	1881	29	1880	3 · 96	—	—
Liverpool	29 · 862	42 · 7	40 · 9	48 · 0	39 · 7	63	1872	22	1880	2 · 81	—	—
Parsonstown	29 · 852	41 · 8	40 · 3	49 · 5	37 · 0	62	1874	20	1890	2 · 86	63 · 1	25
Valencia	29 · 867	47 · 4	45 · 5	52 · 3	42 · 9	63	1881	27	1890	5 · 63	63 · 8	25
Roche's Point	29 · 869	46 · 2	44 · 6	51 · 2	42 · 0	61	1875	27	1890	4 · 79	—	—
Pembroke	29 · 871	47 · 1	45 · 4	50 · 3	43 · 6	58	1884, 95	28	1890	4 · 04	58 · 8	23
Scilly	29 · 898	50 · 1	48 · 1	52 · 6	46 · 6	60	1875, 81	29	1890	3 · 80	—	—
Prawle Point	29 · 917	46 · 4	44 · 9	51 · 2	42 · 1	61*	1881	19*	1890	3 · 26	—	—
Jersey	29 · 937	48 · 0	46 · 0	52 · 3	44 · 3	64	1874, 81	16	1890	4 · 19	70 · 9	26
Hurst Castle	29 · 912	45 · 3	44 · 3	50 · 7	41 · 0	66	1874	20	1890	3 · 11	—	—
Dover	29 · 904	44 · 7	43 · 3	49 · 7	40 · 9	61	1895	17	1890	3 · 30	—	—
LONDON	29 · 910	42 · 5	41 · 1	49 · 6	38 · 3	65	1894	19	1879	2 · 31	29 · 5†	11†
Oxford	29 · 908	41 · 4	40 · 2	48 · 5	37 · 7	68	1881	19	1871, 87	2 · 42	55 · 4	22
Cambridge	29 · 901	41 · 0	40 · 1	48 · 9	36 · 0	65	1895	15	1890	2 · 07	61 · 7	24
Yarmouth	29 · 879	43 · 4	42 · 2	47 · 7	39 · 2	60	1895	23	1890	2 · 92	—	—

* 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 in: and upwards, in an anticyclone lying over nearly the whole of Ireland and England.
Lowest, 29·8 in: and less, over the Baltic; 29·9 in: and less, over the Spanish Peninsula.
Gradients slight generally, but moderate over the south of Sweden.
Barometer rising generally.

TEMPERATURE

Highest, 47° at Jersey, 46° at Scilly and Brest, 45° at the Helder and 44° at the North Foreland, Cape Finisterre and Lisbon.
Lowest, (1) 11° at Hafavanda, 20° at Karlstad, and 23° at Haparanda; (2) 26° at Loughborough, 28° at Oxford and 29° at Valentia; (3) 31° at Paris and Beford.
Sharp frost occurred last night in many parts of the United Kingdom, the lowest readings reported being:—(1) In the screen 25° at Loughborough, 27° at Oxford, and 28° at Leith; (2) On the grass 19° at Loughborough, 21° at Oxford, and 25° in London.

WIND

Light from the S.ly in the north of Ireland; calm or light from the W.ly or N.W.ly over the northern and central part of Great Britain.
Light to moderate from the N.E.ly over the south of our Islands and the greater part of France.
Variable in the west of Norway; N.ly in Sweden and Denmark, with a gale at Vardo; W.ly at most of the German stations.

WEATHER

Fine over Western Europe as a whole, but dull in the extreme north and northwest of our Islands, and also in the west and south of France.
A little rain fell yesterday on many parts of our north and east coasts, as well as in Germany and the Netherlands.
Larger quantities of rain or snow were experienced in Sweden.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our Islands appears to be moving slowly eastwards. Depressions may possibly advance shortly to our extreme north and northwest coasts, but over the country generally the weather is likely to remain fair and dry for the present.

FORECASTS

For the 24 hours ending at NOON on 5th Nov.r 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W.ly to SW.ly winds, moderate; cloudy, rain locally.
1	SCOTLAND EAST	W.ly and NW.ly winds, light; fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	N.ly winds, light; fine generally, frosty and foggy at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Variable to W.ly airs; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NE.ly winds, light; fair generally.
9	IRELAND NORTH	SW.ly winds, moderate; cloudy, some rain.
10	IRELAND SOUTH	E.ly to S.ly winds, light; fair generally.
	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 ...	29·66	43	40	N	7	b	3	Valencia	30·12	47	42	NE	3	bc	3
Sumburgh Head	29·97	42	38	N	2	bc	4	Scilly	30·00	50	45	NE	3	c	1
Stornoway	30·12	43	42	NNE	3	o	3	Jersey	29·97	51	48	NNE	2	cm	2
Aberdeen	30·02	41	40	NNW	4	cq/p	4	Hurst Castle ...	29·94	48	44	NNE	3	bcm	2
Shields	29·99	44	41	NNW	2	c	3	Dungeness ...	29·92	46	43	NNW	3	bc	2
Ardrossan	30·07	43	42	N	0	b	0	North Foreland	29·94	45	42	NW	5	bc	3
Malin Head ...	30·10	44	42	N	3	ov	1	London (Westminster)	29·97	46	44	N	2	c	*
Belmullet	30·16	46	43	ENE	3	o	*	Yarmouth ...	29·85	46	43	NW	4	c	4
Holyhead	30·07	45	40	NE	3	b	2	Rochefort ...	29·96	48	47	E	3	m	*

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

Weather in morning fair over Western Europe as a whole, but showery along the east coasts of England, and foggy at several of the French and Belgian stations. Dull in most of the northern, eastern, and central countries, and also in Greece and Italy; raining falling at Christiansund and Moscow, and snow in many parts of Sweden and Finland. Weather improving later on over east coasts and also in the west of Norway, no decided change occurring elsewhere.

Temperature fallen over the western and northern countries generally, but risen in the east and south. Morning readings highest 73° at Malta, 72° at Constantinople & 70° at Sfax; above 60° at many of the Adriatic and Mediterranean stations. Lowest (1) 6° at Hafgerda, 19° at Ukaborg and Archangel, and 25° at Pods; (2) 32° at Belfast and Limoges, 34° at Madrid; (3) 35° at Nairn, Aberdeen, and Loughborough; Rising during day to between 45° and 50° in most parts of our Islands; exceeding 50° in the west and south of France, and reaching 57° at Biarritz. Sharp frost occurring in many parts of our Islands at night.

Wind moderate to strong from the NE^{ly} or N^{ly} over Finland and Scandinavia; moderate from the NW^{ly} on the east coasts of Great Britain, and from the W^{ly} in Germany. Light from the SW^{ly} or S^{ly} in the south of Russia. Light from the NE^{ly} over the western parts of our Islands and France and also over the Spanish Peninsula. Variable in Italy and the south of France. Subsequently increasing to a gale from the N^{ly} in the south of Sweden. No important change occurring elsewhere.

Barometer highest 30·1 in: and upwards in an anticyclone lying to the W^{ly} of our Islands; 30·0 in: and upwards in another system over Greece and Asia Minor. Lowest 29·4 in: and less, in a well marked depression over the Baltic and south of Sweden; 29·6 in: and less, in another disturbance over Morocco; 29·8 in: and less, in a very shallow system over the Gulf of Genoa. Anticyclone off our western coasts subsequently spreading eastwards, and barometer rising in all parts of Western Europe.

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 Thursday, 5th November, 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 ...	29.94	9	N	2	b	30.12	+.12	4	3	-7	2.	0	m	*	b	*	23	4	-
	Hernösand ...	30.30	14	2.	0	b	30.24	+.10	16	?	-7	S	2	c	*	b	*	28	10	-
	Stockholm ...	30.38	26	2.	0	b	30.41	+.09	27	25	-2	SW	2.	bc	*	b	*	34	25	-
	Wisby	30.35	36	NE	6	b	30.50	+.12	33	32	-3	NNW	7	5	*	7	*	41	30	-
	Karlstad ..	30.42	22	N	1	b	30.41	+.29	25	24	+5	NNW	1	0	*	b	*	*	*	-
	Bodö	29.94	28	E	4	0	29.80	-.34	29	26	+7	E	6	S	2	0	*	29	21	-
	Christiansund ...	30.21	39	WSW	4	0	30.05	-.08	46	42	+11	NNW	8	0	4	0	*	46	32	-
	Skudesnaes ...	30.38	43	SSW	2	0	30.38	+.28	46	44	+14	NNW	2	0	2	0	*	46	32	*
	Færder (Christiania Fjord)	30.39	33	NNW	1	b	30.39	+.25	37	35	+7	W	1	b	1	b	*	37	28	-
	Skagen (The Scaw)	30.45	32	2.	0	b	30.47	+.36	37	36	+5	WSW	1	c	0	b	*	37	28	-
	Fanö	30.46	35	N	2	b	30.55	+.45	38	37	+1	NNE	2.	b	*	b	*	43	34	-
British Islands.	Sumburgh Head	30.20	45	W	3	0	30.20	+.05	47	45	+6	WSW	4	0	4	bc.o	*	48	37	-
	Stornoway ...	30.26	45	SW	3	0	30.30	+.09	46	46	+5	SW	4	0	0	c.o	1.0	47	41	-
	Wick	30.25	40	W	2	c	30.32	+.12	43	42	+5	W	3	0	1	c	*	43	36	0.01
	Nairn	30.31	41	W	2	c	30.38	+.12	42	39	+6	SW	1	0	1	c	*	43	35	-
	Aberdeen ...	30.37	33	W	2.	b	30.45	+.16	30	29	-4	W	1	bcm	1	b	7.5	42	27	-
	Leith	30.39	42	2.	0	0	30.50	+.21	40	38	+11	WSW	3	c	*	0	*	48	28	-
	Shields	30.41	43	W	2	bm	30.54	+.22	32	31	-3	SSW	2.	m	2.	bm	*	46	30	.
	Spurn Head ...	30.41	44	NNW	2.	bc	30.57	+.28	42	41	+2	NW	2	bc	3	p.bc	*	47	40	-
	York	30.41	40	NNW	1	b	30.61	+.29	29	28	-3	NNW	1	b	*	b	?	51	25	-
	Loughborough ...	30.43	32	NNW	1	b	30.58	+.24	29	29	+3	NW	1	f	*	b	*	47	24	-
	Ardrossan ...	30.38	42	2.	0	of	30.53	+.22	44	43	+12	SW	3	0	2	ov.f	*	44	32	-
	Malin Head ...	30.36	39	S	3	0	30.49	+.20	40	39	0	SSW	3	0	1	0	*	43	36	-
	Belmullet ...	30.38	41	SSE	3	0	30.50	+.18	44	42	+3	SSE	3	0	*	0	*	44	38	-
	Donaghadee ...	30.41	35	WSW	2	b	30.45	+.13	34	34	+3	WSW	3	bc	1	b	*	48	29	-
	Liverpool (Bidston)	30.44	41	2.	0	f	30.58	+.22	36	34	+3	SE	1	b	0	f.b.f	*	46	31	-
	Holyhead ...	30.41	42	2.	0	b	30.57	+.24	36	34	+1	S	1	bf	0	b	*	47	34	-
	Parsonstown ...	30.39	39	E	1	m	30.56	+.22	29	29	0	2.	0	c	*	bc.m	6.1	46	27	-
	Valencia ...	30.37	38	E	2	b	30.53	+.21	40	38	+6	E	1	og	1	bc.b	6.4	48	33	-
	Roche's Point ..	30.42	42	E	2.	b	30.54	+.20	41	39	+3	NNE	2.	cm	2.	b	*	50	36	-
	Pembroke (St. Ann's Hd.)	30.39	43	ENE	2.	b	30.52	+.20	39	38	+2	E	4	bm	2	b	6.0	46	36	-
	Scilly	30.31	48	ENE	3	bc	30.41	+.17	47	44	+1	ENE	4	bc	1	bc	7.0	50	43	-
	Prawle Point ...	30.38	45	ENE	3	c	30.44	+.14	44	43	+4	ENE	5	bc	4	c	*	49	39	-
	Jersey (St. Aubin's)	30.28	48	ENE	5	cgm	30.36	+.11	47	44	0	NE	4	bcm	3	bc.cgm	*	52	45	-
	Hurst Castle ...	30.36	43	NE	2	b	30.47	+.15	38	37	+2	NE	3	bm	2	bm	*	48	35	-
	Dungeness ...	30.32	46	NNE	3	c	30.45	+.20	43	40	+8	ENE	5	b	4	bc.c	*	49	34	0.01
	North Foreland	30.36	47	NE	4	cp	30.47	+.22	45	41	+1	E	4	b	4	bc.p.c	*	49	40	0.03
	London (Brixton) ...	30.39	43	NE	1	b	30.52	+.21	39	38	+7	ENE	2.	bm	*	bm.c.b	0.3	47	32	-
	Oxford	30.45	34	NE	1	b	30.55	+.20	34	34	+6	NNE	3	b	*	b	*	49	27	-
	Cambridge ...	30.42	38	N	1	b	30.56	+.23	33	32	+1	N	1	bm	*	b	4.4	48	29	-
	Yarmouth ...	30.36	45	NE	3	b	30.53	+.28	45	42	+2	E	3	b	3	b	*	48	41	0.01
Germany & Holland.	Cuxhaven ...	30.36	36	NE	1	b	30.59	+.53	29	29	-10	S	1	b	*	b	*	46	28	-
	Berlin	30.41	36	NW	4	b	30.63	+.77	32	30	-5	NNE	2.	b	*	b	*	41	28	-
	Wiesbaden ...	*	*	*	*	*	30.49	+.33	37	34	-3	NE	2	b	*	*	*	46	36	-
	Munich... ..	30.30	33	NE	3	b	30.39	+.19	30	30	-7	E	5	bc	*	b	*	41	28	-
	The Helder ...	30.40	44	E	1	b	30.59	+.40	36	34	-9	SE	1	b	1	b	*	48	36	-
Belgium.	Brussels ...	*	*	*	*	*	30.51	+.27	32	30	-7	ENE	3	b	*		*	50	30	-
	Cape Gris Nez...	30.27	43	E	3	0	30.37	+.20	35	34	-9	E	3	b	3	0	*	50	34	-
	Paris	30.24	41	N	1	b	30.32	+.11	34	32	+3	NE	3	bc	*	7.	*	51	31	-
	Brest	30.22	47	ENE	2	c	30.30	+.15	42	39	-4	ENE	3	b	2.	c	*	50	37	-
	Lorient... ...	30.19	42	ENE	6	bc	30.25	+.15	42	39	-1	NE	6	c	4	bc	*	45	36	-
France &	Rochefort ...	30.06	46	E	6	bc	30.17	+.11	41	40	+1	NE	4	bc	*	bc	*	50	39	-
	Belfort	30.10	39	ENE	7	b	30.29	+.11	37	32	+6	E	6	0	*	b	*	44	31	-
	Lyons	30.02	42	NNW	3	0	30.25	+.17	38	37	+1	NNW	1	0	*	0	*	45	37	0.04
	Nice	29.94	46	E	3	r	30.17	+.22	51	45	+10	E	4	c	4	r	*	55	41	0.08
	Perpignan ...	29.95	42	2.	0	r	30.16	+.21	40	39	-1	SW	1	b	*	r	*	47	39	0.55
	Biarritz ...	29.96	43	E	3	r	30.09	+.16	39	37	-2	SSE	3	b	2.	r	*	52	39	0.16
Peninsula.	Corunna ...																*			
	Lisbon	29.89	48	NE	4	b	29.91	+.07	46	44	+2	NE	4	r	*	b	*	55	44	-
	Azores (P. Delgada)	30.08	64	SSE	5	b	30.06	+.04	64	58	+5	SSE	5	bc	6	b	*	66	59	-

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 3.8 hrs; Eastbourne 8.2 hrs; Hastings 7.7 hrs, Brighton 7.8 hrs.

WEATHER CHARTS

FOR Thursday 5th November, 1896.

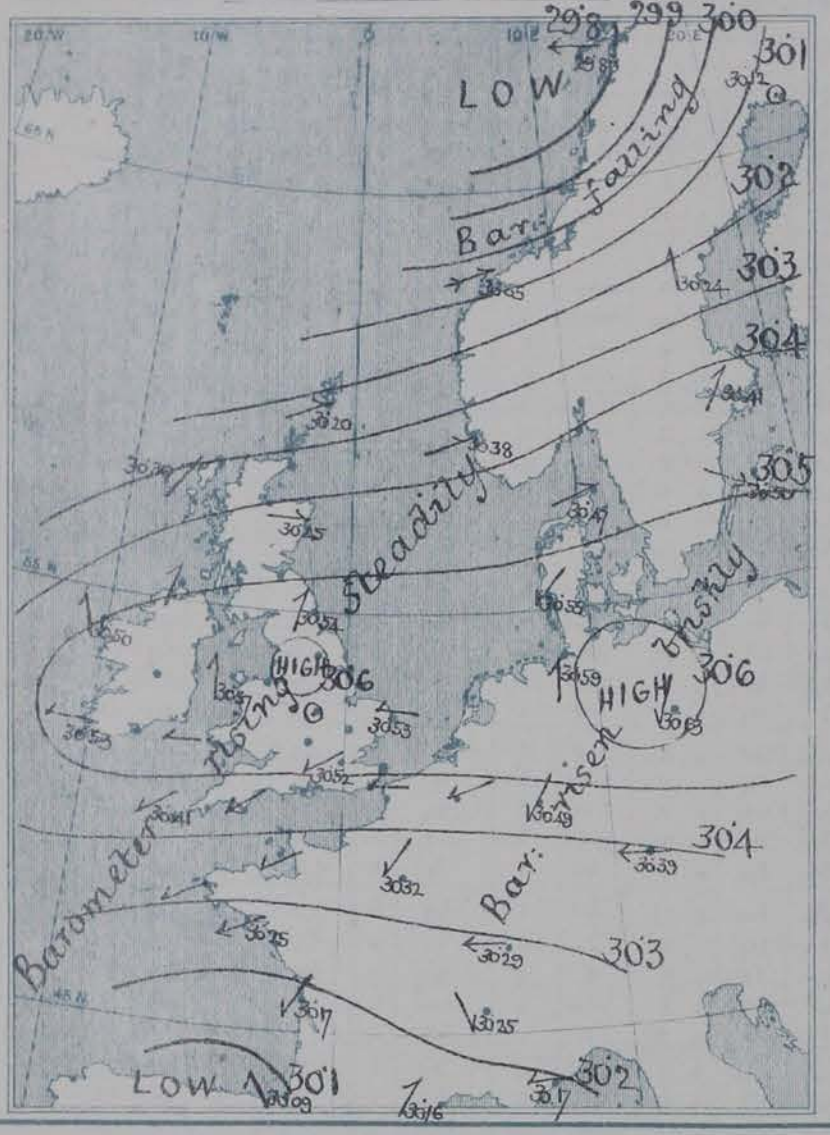
BAROMETER, WIND AND SEA.

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* ▬

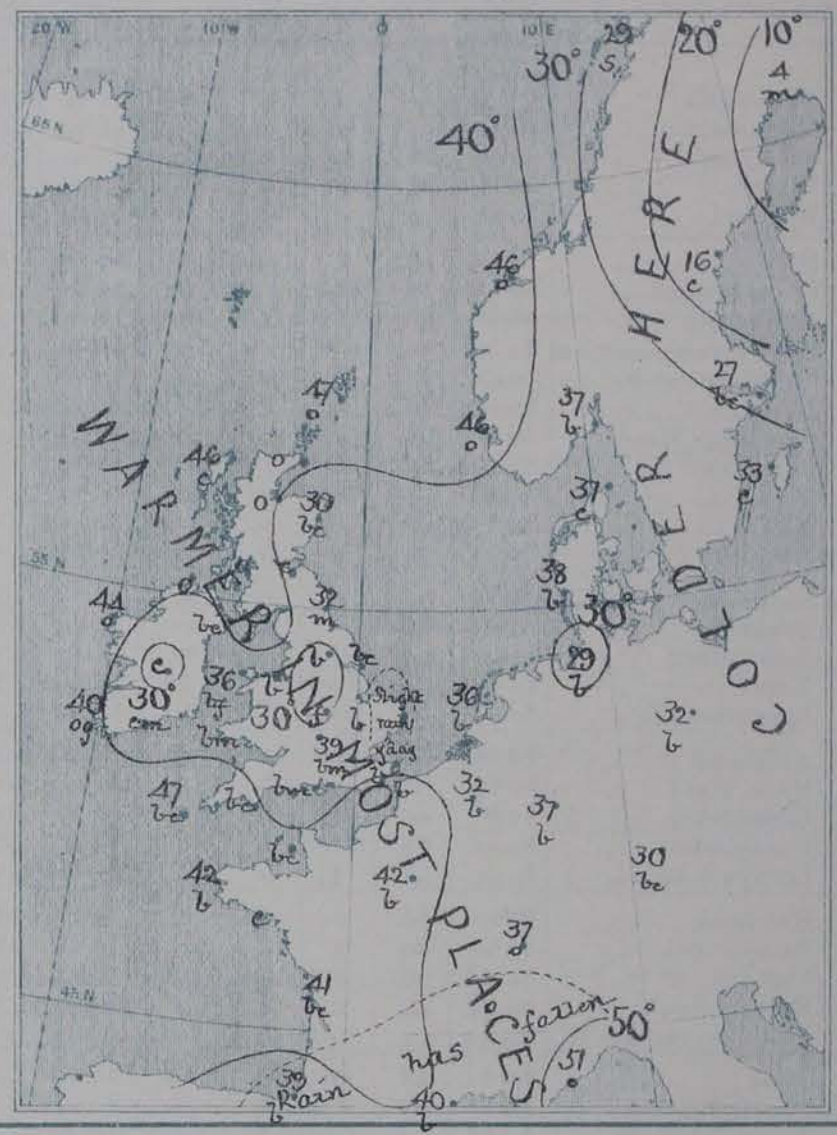


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1889	4·80	42·4	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1889	2·30	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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 30.6 inches at Berlin, 30.6 inches at York; 30.5 inches and upwards in a long band stretching from Germany and the Baltic, across the Netherlands, and nearly the whole of England and Ireland.
Lowest 29.8 inches and less in a depression lying off the coasts of Denmark.
Gradients slight generally, but moderate to rather steep off the west of Norway.
Barometer rising at all but the Scandinavian stations.

TEMPERATURE

Highest (1) 51° at Nice, 47° at Scilly and Jersey and 45° at Yarmouth and the North Foreland; (2) 47° at Lumburgh Head and 46° at Christiansund and Stornoway
Lowest (1) 4° at Haparanda, 16° at Hernosand, and 25° at Karlstad; (2) 29° at Parsonstown, York, Loughborough & Buckhaven.
Sharp frost again occurred last night in many parts of the United Kingdom, the lowest readings reported being:—(1) In the ocean, 24° at Loughborough, 25° at York & 27° at Aberdeen & Oxford; (2) On the grass, 19° at Loughborough & 25° at Oxford.

WIND

South-westerly or Westerly over the northern parts of our Islands and also in Scandinavia; light or moderate in force generally but blowing a gale at Christiansund.
Light to fresh from the Eastward or Northeastward over the south of our Islands as well as in France, Germany and the Netherlands.

WEATHER

Fine over Western Europe as a whole, but dull on our own extreme western and northern coasts, as well as in Norway with snow at Bodö.
Fog or mist was reported at several of the English stations.
Slight showers fell yesterday on the southeast coasts of England, and larger amounts of rain in the south of France.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather. The depression off the Norwegian coasts may, however, possibly spread southwards, and affect the weather in the extreme north of Scotland.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Southwesterly and Westerly winds, freshening; dull, some rain.
1	SCOTLAND EAST	Southwesterly and Westerly winds, light; fine generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	Easterly and Northeasterly winds, light; fine generally, but local fogs at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Southwesterly winds, light or moderate; dull, rain locally.
7	ENGLAND N.W.	Same as Nos. 1. and 2.
8	ENGLAND S.W.	Easterly winds, moderate; fine generally.
9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	Easterly to variable breezes, fair generally.
	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 ...	30·30	41	38	SW	0	0	4
Sumburgh Head	30·22	46	43	W	2	bc	3
Stornoway	30·24	46	45	WSW	3	0	3
Aberdeen	30·34	41	38	W	1	b	1
Shields	30·37	45	41	W	1	bm	2
Ardrossan	30·36	44	43	SW	0	ov	0
Malin Head ...	30·33	43	41	S	2	0	1
Belmullet	30·36	44	40	S	3	0	*
Holyhead	30·39	46	42	SW	0	bcv	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·35	46	42	SW	0	bc	2
Scilly	30·29	50	45	E	3	bc	1
Jersey	30·25	50	46	E	4	bc	2
Hurst Castle ...	30·32	48	44	NE	3	bm	2
Dungeness ...	30·28	49	45	ENE	3	bc	2
North Foreland	30·34	47	44	N	4	bc	4
London (Westminster)	30·34	48	43	NNE	1	bcm	*
Yarmouth ...	30·33	48	43	NNE	3	bc	3
Rochefort ...	30·07	50	47	E	6	bc	*

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

Weather in morning fine over Western Europe as a whole, and also in Scandinavia, but dull in the extreme north and northwest of our Islands. Dull and unsettled over the eastern and southern parts of the Continent, with rain at Haparanda and Uleaborg, as well as at Madrid and Barcelona; snow reported at St. Petersburg. Slight showers falling during day on the southeast coasts of England and largest amounts of rain in the south of France.

Temperature fallen in most countries. Morning readings highest, 76° at Malta, 70° at La Calle & 67° at Biarritz; above 60° at several of the Mediterranean stations. Lowest 11° at Haparanda and Uleaborg, 14° at Hernosand and 21° at Archangel and Haparanda; below the freezing point over Northern Europe generally and also over all the more central parts of the United Kingdom. Rising during day to between 45° and 50° in most parts of our Islands; exceeding 50° in the Channel Islands and many parts of France and reaching 55° at Nice.

Wind light from the Southward in the north of Ireland; calm or light from the Westward or Northwestward over the northern and central parts of Great Britain; light to fresh from the Northeastward or Eastward over the south of our Islands and also in France, Spain and Northern Italy. Northerly over Sweden, Denmark and Northern Russia with a gale at Visby; Westerly over Germany Austria and the south of Russia. No important change occurring over Western Europe during day.

Barometer, Highest 30·3 inches and upwards over Ireland and England; 30·1 inches and upwards in an anticyclone covering nearly the whole of Northwestern Europe. Lowest 29.1 inches and less in a rather deep depression over Central Russia; 29.8 inches and less in a large shallow system over Algeria and the western parts of the Mediterranean. Anticyclone increasing later both in size and intensity, and barometer rising over Western Europe generally.

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, 6th November, 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 ...	29.60	27	E	4	S	29.35	-.77	25	25	+21	NE	2	S	#	S	#	28	0	0.16
	Hernösand ...	29.76	37	S	4	r	29.54	-.70	42	41	+26	SSW	6	c	#	r	#	?	7	0.16
	Stockholm ...	30.07	39	SW	2	0	29.81	-.40	44	41	+17	SW	6	0	#	0	#	?	23	-
	Wisby	30.25	42	W	9	0	30.00	-.50	45	44	+12	WNW	6	c	#	0	#	43	30	-
	Karlstad ...	30.12	41	WSW	6	0	29.93	-.48	46	42	+21	WSW	4	0	#	0	#	#	#	-
	Bodö	29.44	42	SW	7	r	28.82	-.98	38	37	+9	SW	6	r	4	r	#	43	25	1.22
	Christiansund ...	29.83	48	WSW	9	r	29.56	-.49	50	46	+14	WSW	9	0	7	r	#	50	45	0.35
	Skudesnaes ...	30.36	47	SW	6	0	30.15	-.23	48	44	+2	SSW	4	0	3	0	#	46	34	#
	Færder (Christiania Fjord)	30.21	46	W	6	0	29.99	-.40	47	45	+10	W	7	0	4	0	#	47	37	-
	Skagen (The Scaw)	30.38	47	W	8	0	30.17	-.30	47	45	+10	W	5	m	2	0	#	?	37	-
	Fanö	30.52	46	WNW	5	0	30.40	-.15	46	43	+8	W	4	c	#	0	#	46	37	-
British Isles	Sumburgh Head	30.18	48	WSW	6	0	29.88	-.32	49	46	+2	WSW	7	0	6	0	#	50	45	0.01
	Stornoway ...	30.33	48	WSW	5	c	30.11	-.19	49	49	+3	WSW	6	0	6	0	0.7	50	41	-
	Wick	30.31	45	SW	3	0	30.06	-.26	47	46	+4	W	5	cu	2	0	#	49	42	-
	Nairn	30.37	43	W	2	c	30.15	-.23	47	43	+5	WSW	4	c	2	c	#	49	40	-
	Aberdeen ...	30.42	34	W	1	bm	30.20	-.25	34	32	+4	W	1	bcm	1	bm	5.3	44	30	-
	Leith	30.49	41	W	3	c	30.34	-.16	42	39	+2	WSW	4	b	#	c	#	45	39	-
	Shields	30.53	40	W	0	bf	30.37	-.17	35	34	+3	SW	1	cf	2	bf. bf	#	45	31	-
	Spurn Head ...	30.55	45	ESE	1	b	30.42	-.16	39	38	-3	WNW	1	bm	2	b. bw	#	49	38	-
	York	30.54	37	W	1	f	30.45	-.16	25	25	-4	W	0	f	#	bc. f	2.8	47	23	-
	Loughborough ...	30.55	33	NE	1	b	30.47	-.11	24	24	-5	W	0	of	#	f. bm. f	#	45	23	-
	Ardrossan ...	30.51	43	SW	3	c	30.38	-.15	44	44	0	SW	3	b	2	0, c	#	45	41	-
	Malin Head ...	30.49	42	S	3	0	30.37	-.12	42	41	+2	SW	4	om	2	0	#	44	36	-
	Belmullet ...	30.53	44	S	2	b	30.43	-.07	46	43	+2	WSW	3	0	#	b	#	48	36	-
	Donaghadee ...	30.55	37	WSW	2	b	30.45	.00	32	32	-2	WSW	2	bc	0	b	#	45	28	-
	Liverpool (Bidston)	30.57	41	E	1	b	30.46	-.12	28	28	-8	ESE	2	f	?	bf	#	46	25	-
	Holyhead ...	30.54	44	E	1	b	30.43	-.14	38	32	+2	S	1	bf	0	b	#	47	32	-
	Personstown ...	30.54	38	W	0	f	30.46	-.10	24	24	-5	W	0	f	#	b. f	6.0	49	23	-
	Valencia ...	30.52	42	E	3	bm	30.45	-.08	30	29	-10	E	1	b	1	bm	6.4	51	27	-
	Roche's Point ..	30.52	39	E	2	b	30.45	-.09	37	35	-3	NE	3	bm	3	b	#	50	35	-
	Pembroke (St. Ann's Hd.)	30.48	43	E	3	b	30.43	-.09	37	36	-2	E	3	bm	2	b	7.6	47	34	-
	Scilly	30.40	48	ENE	3	b	30.34	-.07	49	46	+2	NE	4	0	1	b	8.3	51	43	-
	Prawle Point ...	30.40	44	ENE	5	c	30.38	-.06	38	37	-6	NNE	4	c	3	c	#	49	35	-
	Jersey (St. Aubin's)	30.34	45	ENE	6	bcm	30.32	-.04	44	42	-3	E	3	bmw	3	bcm	#	49	40	-
	Hurst Castle ...	30.43	43	ENE	3	bm	30.39	-.08	33	32	-5	NNE	2	bm	1	bm	#	48	31	-
	Dungeness ...	30.42	45	ENE	6	b	30.35	-.10	43	42	0	ENE	3	b	2	b	#	47	40	-
	North Foreland	30.49	46	E	5	b	30.38	-.09	44	40	-1	E	3	b	3	b	#	49	39	-
	London (Brixton) ...	30.49	41	NE	3	b	30.41	-.11	31	30	-8	NE	1	f	#	bc b	4.5	48	30	-
	Oxford	30.53	34	NE	2	b	30.45	-.10	28	27	-6	N	1	b	#	b	#	50	27	-
	Cambridge ...	30.55	38	E	1	b	30.45	-.11	27	27	-6	N	1	bm	#	b	7.2	48	25	-
	Yarmouth ...	30.53	45	E	4	b	30.42	-.11	44	41	-1	E	3	b	3	b	#	47	41	-
Germany & Holland	Cuxhaven ...	30.63	36	W	0	b	30.45	-.14	28	?	-1	S	1	b	#	b	#	41	27	-
	Berlin	30.65	35	NE	1	b	30.52	-.11	29	28	-3	W	0	b	#	b	#	39	28	-
	Wiesbaden ...	#	#	#	#	#	30.43	-.06	35	33	-2	NW	1	b	#	#	#	43	34	-
	Munich... ..	30.47	32	E	5	bc	30.34	-.05	30	30	0	E	5	0	#	bc	#	39	28	-
	The Helder ...																#			
France & Belgium	Brussels ...	#	#	#	#	#	30.39	-.12	28	28	-4	NE	1	b	#	b	#	44	26	-
	Cape Gris Nez ..	30.42	37	ESE	2	bc	30.36	-.01	29	29	-6	E	1	m	1	bc	#	46	28	-
	Paris	30.38	41	N	2	0	30.30	-.02	30	29	-4	ENE	2	b	#	0	#	45	30	-
	Brest	30.28	45	ENE	2	c	30.28	-.02	39	37	-3	ENE	1	b	1	c	#	50	34	-
	Lorient... ...	30.26	43	ENE	5	c	30.23	-.02	39	34	-3	NE	5	bc	2	c	#	45	34	-
	Rochefort ...	30.24	47	ENE	1	b	30.13	-.04	42	41	+1	NE	5	c	#	b	#	47	39	-
	Belfort	30.39	35	E	6	b	30.29	.00	30	30	-7	ENE	4	m	#	b	#	42	29	-
	Lyons	30.34	42	NNW	1	b	30.23	-.02	34	34	-4	NNW	1	f	#	b	#	51	33	-
	Nice																#			
	Perpignan ...	30.21	50	W	0	0	29.95	-.21	51	51	+11	NE	1	r	#	0	#	59	40	1.06
	Biarritz ...	30.13	50	ENE	3	bc	30.04	-.05	46	45	+7	S	2	r	0	bc	#	55	39	0.08
Penin-sula.	Corunna ...																#			
	Lisbon	29.95	50	NE	5	0	30.02	+.11	51	48	+5	NNE	3	0	#	0	#	52	50	0.39
	Azores (P. Delgada)	30.10	65	SSE	6	c	30.13	+.07	65	61	+1	SSE	5	c	6	c	#	66	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 0.8 hrs; Eastbourne 7.3 hrs; Hastings 8.0 hrs, Brighton 8.2 hrs.

WEATHER CHARTS

FOR Friday, 6th November, 1896.

BAROMETER, WIND AND SEA.

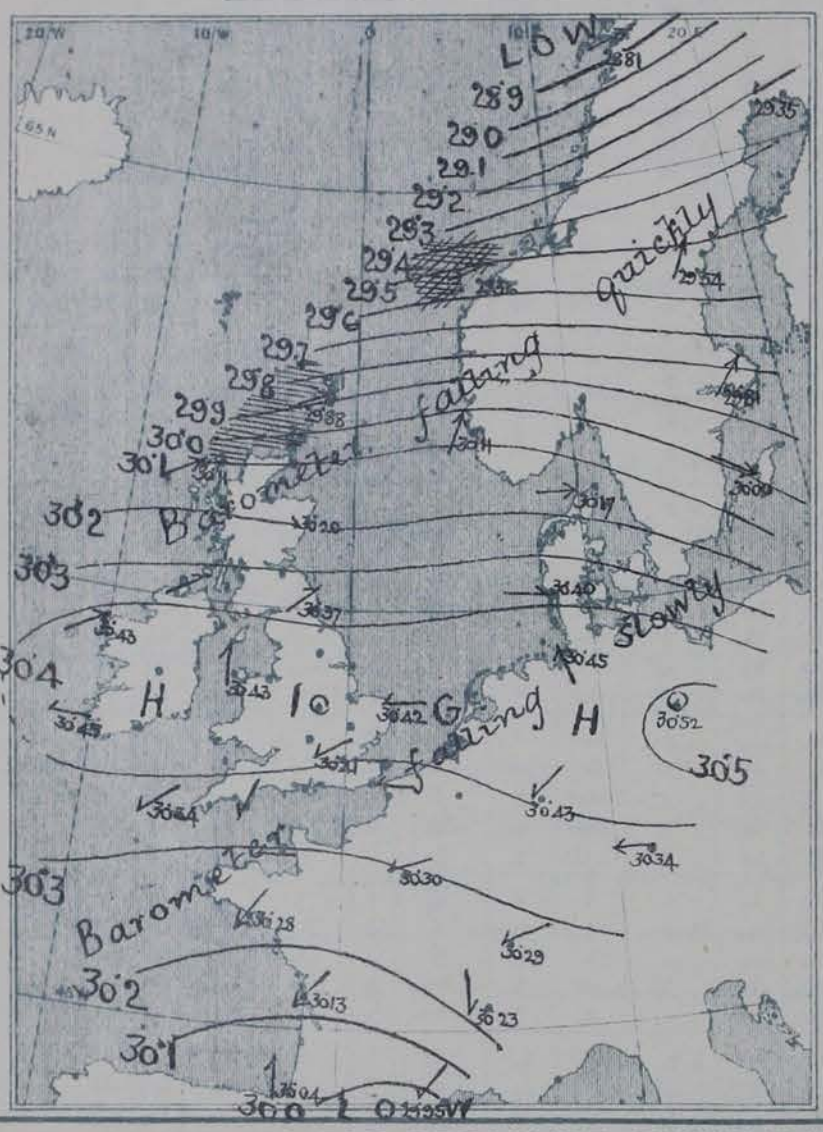
BAROMETER—Isobars are drawn for each tenth of an inch.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875 .	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head ..	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough ..	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee ..	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·9	39·7	63	1872	22	1880	2·81	—	—
Parsonstown ..	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point ..	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	69	1875, 81	29	1890	3·80	—	—
Prawle Point ..	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	79·9	26
Hurst Castle ..	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31†	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge ..	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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 30.52 ins. at Berlin; 30¼ ins. and upwards in a large band stretching from Germany and the Netherlands across England and Ireland.
Lowest 28.9 ins. and less in a deep depression lying off the northwest of Norway.
Gradients steep over Scandinavia and the neighbouring parts of the Atlantic; slight elsewhere.
Barometer falling generally, - slightly in the S., but rapidly over Scandinavia.

TEMPERATURE

Highest (1) 51° at Perpignan and Lisbon, (2) 50° at Christiansund, 49° at Sumburgh Nº. and Stornoway, (3) 49° at Valentia.
Lowest (1) 24° at Loughborough and Parsonstown, 25° at York, and 27° at Cambridge, (2) 25° at Haparanda; (3) 28° at Cuxhaven, and 29° at Berlin.
Sharp frost was again experienced last night in many parts of the Kingdom, the lowest readings reported being: -(1) In the screen 23° at York, Loughborough at Parsonstown, and 25° at Cambridge; (2) on the grass 20° at Oxford, and 23° in London.

WIND

Strong from the SW^wd. or W^wd. over Scandinavia and the N. of Scotland, with a gale at Christiansund; light or moderate from the same quarters over Denmark and the Nº. parts of England and Ireland.
E. or NE. over all the more southern parts of our area, and fresh in force in the Bay of Biscay.

WEATHER

Dull over Scandinavia and the extreme N. and NW. of our Islands, with rain at Bodö, and snow at Haparanda.
Fine in most other parts of our area, but foggy over the central parts of our Islands, and raining in the extreme south of France.
Since yesterday morning rain has fallen over the Nº. parts of Scandinavia generally.

SEA

Slight or smooth generally, but rough off the N. of Scotland, and high at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the Norwegian coasts seems likely to spread S^wds., and to occasion gales from the W^wd. or NW^wd. on our extreme northern coasts. Over the Sº. parts of the United Kingdom the weather will probably remain fair and quiet for the present.

FORECASTS

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

DISTRICTS.		FORECASTS.
1	SCOTLAND NORTH	W. to NW.: strong winds and gales, squally, some rain.
1	SCOTLAND EAST	W.: winds, freshening considerably; fair at first, some showers later.
2	ENGLAND N.E.	W.: winds, light or moderate; fine generally.
3	ENGLAND EAST	NE. to variable airs; fine generally, frosty and foggy at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	Same as Nº. 1.
7	ENGLAND N.W.	Variable breezes, finally W.; fair generally.
8	ENGLAND S.W.	NE.: winds, light; fine generally.
9	IRELAND NORTH	SW. to W.: winds, freshening; cloudy, some showers.
10	IRELAND SOUTH	Same as Nº. 8.
WARNINGS		At 10.20 am. to districts 0 and part of 1. 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 ...	30·43	46	42	NSW	4	0	3
Sumburgh Head	30·08	48	47	NSW	6	0	5
Stornoway	30·33	49	48	NSW	4	0	4
Aberdeen	30·44	44	40	W	1	bm	1
Shields	30·52	45	42	N	0	bcf	2
Ardrossan	30·53	44	44	SSW	3	0	2
Malin Head ...	30·49	43	42	S	3	0	1
Belmullet	30·51	48	46	S	3	bc	*
Holyhead	30·53	47	43	N	0	b	0

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30 51	51	45	E	1	bm	1
Scilly	30·41	50	46	ENE	4	b	1
Jersey	30·33	48	46	ENE	5	bc	4
Hurst Castle ...	30·44	48	44	ENE	5	bm	3
Dungeness ...	30·43	46	42	ENE	6	b	5
North Foreland	30·50	47	40	E	5	b	5
London (Westminster)	30·49	48	42	NE	3	bc	*
Yarmouth ...	30·55	47	42	ESE	4	b	3
Rochefort ...	30·21	54	50	NE	3	b	*

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

Weather in morning fine over W.m and central Europe generally, but foggy or misty at several of the English and Irish stations, and dull on our eastern N. and NW. coasts, as well as in the W. of Norway, with snow at Bodö. Dull in most of the E.rn and S.rn countries, with rain at Lisbon and snow at Karlsø. Rain falling later over the N.rn parts of Scandinavia, and also in the eastern S. of France. Heavily in places.

Temperature risen in most of the W.rn and S.rn countries, but fallen elsewhere. Morning reading highest 75° at Malta, 67° at Brindisi, 66° at Spezia, and 65° at Palermo. Lowest 2° at Uleaborg, 4° at Haparanda, 16° at Hernösand, and 19° at Kuopio; below the freezing point over Russia and Sweden generally, and also over the central parts of England and Ireland. Rising later to between 45° and 50° in most parts of our Islands, and to 55° and upwards in the S. of France. Sharp frost occurring over the United Kingdom at night.

Wind SW.ly or W.ly over the N.rn parts of our Islands and also in Scandinavia; with a gale at Christiansund. Light from the N.wd or NW.wd over Russia and E.rn Germany. Light to moderate from the E.wd or NE.wd in most other parts of Europe, but variable in the S. of Italy. No important change occurring over W.rn Europe during day.

Barometer highest 30.63 ins. at Berlin; 30.61 ins. at York; 30.5 ins. and upwards in a long band stretching from Germany and the Baltic across the Netherlands, and nearly the whole of England and Ireland. Lowest 29.7 ins. and less in a depression over central Russia; 29.8 ins. and less in another disturbance off the NW. of Norway; 30.0 ins. and less in a shallow area over Spain and Morocco. No important change occurring over W.rn Europe later, but Norwegian depression becoming deeper.

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 Saturday, 7th November, 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 ...	28·86	23	E	4	S	29.00	-·35	21	21	-4	N	4	0	*	S	*	24	19	0·32
	Hernösand ...	29.05	46	W	9	O	29.20	-·34	34	30	-8	NNW	6	b	*	b	*	46	34	-
	Stockholm ...	29.40	46	SW	8	O	29.40	-·41	39	34	-5	N	2	O	*	O	*	48	37	-
	Wisby	29.60	46	NNW	9	O	29.45	-·55	46	44	+1	NNW	6	O	*	O	*	46	36	-
	Karlstad ...	29.52	46	NNW	6	b	29.47	-·46	39	34	-7	WNW	2	O	*	b	*	*	*	-
	Bodö	28·96	38	SW	6	r	28·98	+·16	39	37	+1	SW	6	O	3	r	*	39	34	0·39
	Christiansund ...	29·52	38	NW	9	S	29.40	-·16	33	32	-17	NNW	8	S	6	s	*	50	32	0·83
	Skudesnaes ...	29·81	48	W	8	r	29.63	-·52	39	36	-9	NW	6	bc	4	r	*	49	37	*
	Færder (Christiania Fjord)	29.68	49	NNW	7	b	29.50	-·49	44	37	-3	NNW	1	O	4	b	*	50	44	-
	Skagen (The Scaw)	29.80	48	W	6	m	29.58	-·59	44	42	-3	NW	4	r	1	m	*	48	44	-
	Fanö	30·01	47	W	4	b	29.74	-·66	47	44	+1	W	6	c	*	b	*	48	46	-
British Islands	Sumburgh Head	29·84	44	N	3	O	29.71	-·17	36	34	-13	NW	3	osp	5	r.o	*	50	35	0·25
	Stornoway ...	29.96	50	W	5	r	29.94	-·17	37	37	-12	N	3	o	3	or	0·0	50	35	1·16
	Wick	29.92	43	SW	3	r	29.86	-·20	39	38	-8	NW	3	O	3	r	*	49	37	0·56
	Nairn	29.96	48	WSW	4	c	29.89	-·26	40	40	-7	NE	1	O	2	c, r	*	50	38	0·56
	Aberdeen ...	30·04	45	W	3	og	29.86	-·34	40	39	+6	N	2	og	4	o.m.r	0·0	47	33	0·07
	Leith	30·15	45	W	3	c	29.83	-·51	44	43	+2	ENE	3	rm	*	c	*	48	40	0·09
	Shields	30·20	42	SW	2	cm	29.83	-·54	45	45	+10	WSW	3	or	2	f.cm	*	46	33	0·01
	Spurn Head ...	30·20	41	WSW	1	bw	29.89	-·53	42	41	+3	W	4	O	3	b,fw	*	47	37	-
	York	30·22	36	W	1	b	29.92	-·53	43	42	+18	WSW	1	O	*	b	2·4	43	25	0·01
	Loughborough ...	30·27	30	NW	1	b	30·01	-·46	34	34	+10	W	2	om	*	f.bm.om	*	49	23	-
	Ardrossan ...	30·18	47	SW	3	O	29.77	-·61	50	50	+6	W	3	ep	9	bc.o	*	50	43	0·23
	Malin Head ...	30·16	47	SW	5	om	29.86	-·51	46	45	+4	NNW	5	omr	3	om	*	49	42	0·10
	Belmullet ...	30·27	48	WSW	3	O	29.94	-·49	50	49	+4	N	3	O	*	O	*	50	44	0·23
	Donaghadee ...	30·28	40	SSW	2	cm	29.84	-·61	45	45	+13	WSW	4	O	2	cm	*	45	30	0·05
	Liverpool (Bidston)	30·28	42	WSW	2	b	29.96	-·50	43	39	+15	SSW	3	O	2	om	*	46	28	-
	Holyhead ...	30·29	44	W	2	b	29.97	-·46	41	45	+9	SW	3	ogm	2	cf.b	*	49	37	-
	Parsonstown ...	30·34	30	W	0	f	29.87	-·49	46	45	+22	W	1	or	*	of	0·0	46	23	0·11
	Valencia ...	30·36	44	N	1	c	30·05	-·40	51	50	+21	WSW	3	rf	4	bm.c	7·6	51	29	0·07
	Roche's Point ...	30·34	41	NNE	3	b	30·09	-·36	41	41	+4	N	1	O	3	b.m	*	48	34	-
	Pembroke (St. Ann's Hd.)	30·27	43	ENE	3	b	30·08	-·35	46	45	+9	NW	3	og	3	b	8·0	45	36	-
	Scilly	30·24	47	NNE	4	c	30·13	-·21	47	44	-2	NNW	4	c	1	om.c	0·0	49	43	-
	Prawle Point ...	30·21	39	ENE	4	b	30·08	-·30	40	37	+2	WSW	1	b	2	c	*	47	35	-
	Jersey (St. Aubin's)	30·16	45	ENE	3	b	30·07	-·25	38	37	-6	ENE	2	bcmw	2	b,bm	*	51	34	-
	Hurst Castle ...	30·20	40	NE	2	b	30·07	-·32	30	29	-3	WNW	1	om	0	bm.b	*	47	29	-
	Dungeness ...	30·16	45	NE	4	b	30·00	-·35	32	32	-11	WNW	1	f	1	b	*	48	30	0·01
	North Foreland	30·22	46	NE	3	b	30·03	-·35	32	32	-12	W	1	f	1	b	*	48	31	-
	London (Brixton) ...	30·22	42	NE	1	O	30·04	-·37	31	31	0	WSW	1	ofg	*	bm.f	0·6	48	26	-
	Oxford	30·24	33	NE	1	b	30·06	-·39	34	34	+6	SW	2	f	*	bf	*	48	27	-
	Cambridge ...	30·26	35	N	1	bm	30·02	-·43	34	33	+7	SW	1	f	*	bm	6·5	46	23	-
	Yarmouth ...	30·23	43	N	1	b	29.96	-·46	29	27	-15	WSW	3	bcf	3	b	*	47	28	-
Germany & Holland	Cuxhaven ...	30·20	34	NE	0	b	29.81	-·64	37	37	+9	W	2	f	*	b,m	*	39	28	-
	Berlin	30·21	35	SE	1	b	29.90	-·62	28	28	-1	SW	3	b	*	b	*	39	28	-
	Wiesbaden ...	*	*	*	*	*	30·04	-·39	31	31	-4	NE	0	f	*	*	*	45	30	-
	Munich	30·17	35	E	3	b	30·06	-·28	35	35	+5	SE	2	O	*	b	*	43	30	0·04
	The Helder ...	30·20	38	N	1	b	29.89	-·56	45	43	+10	W	2	bc	2	b	*	45	30	-
Belgium.	Brussels ...	*	*	*	*	*	30·03	-·36	30	30	+2	WSW	1	f	*	b	*	43	26	-
	Cape Gris Nez ...	30·17	44	E	3	m	30·01	-·35	40	37	+11	S	2	m	2	m	*	45	29	-
	Paris	30·14	35	NNE	2	b	30·06	-·24	29	29	-1	N	1	f	*	b	*	45	28	-
	Brest	30·15	48	NE	2	O	30·12	-·16	47	45	+8	N	1	O	2	O	*	52	39	-
	Lorient	30·08	48	NNE	5	b	30·06	-·17	41	39	+2	NNE	2	bc	2	b	*	52	34	-
France &	Rochefort ...	30·02	47	ENE	5	c	30·04	-·09	48	47	+6	ESE	3	m	*	c	*	52	42	-
	Belfort	30·15	38	E	2	m	30·07	-·22	38	36	+8	SSW	1	m	*	m	*	38	30	-
	Lyons	30·15	44	S	1	r	30·13	-·10	39	39	+5	ESE	1	f	*	r	*	49	34	0·24
	Nice	30·09	52	NNE	4	bc	30·08	-·05	49	46	-1	N	0	b	2	bc	*	63	48	0·16
	Perpignan ...	29.95	54	S	2	b	30·01	+·06	46	45	-5	NE	1	O	*	b	*	61	44	1·58
	Biarritz ...	29.93	49	E	2	r	29.98	-·06	53	49	+7	SW	4	r	2	r	*	53	46	0·51
Peninsula.	Corunna ...																*			
	Lisbon	30·04	50	NNE	3	b	30·12	+·10	52	49	+1	N	2	c	*	b	*	?	?	-
	Azores (P. Delgada)	30·22	64	SE	5	bc	30·24	+·11	65	59	0	SE	5	bc	6	bc	*	66	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 0.8 hrs; Eastbourne 8.0 hrs; Hastings 7.7 hrs, Brighton 7.5 hrs.

WEATHER CHARTS

FOR Saturday 7th November, 1896.

BAROMETER, WIND AND SEA.

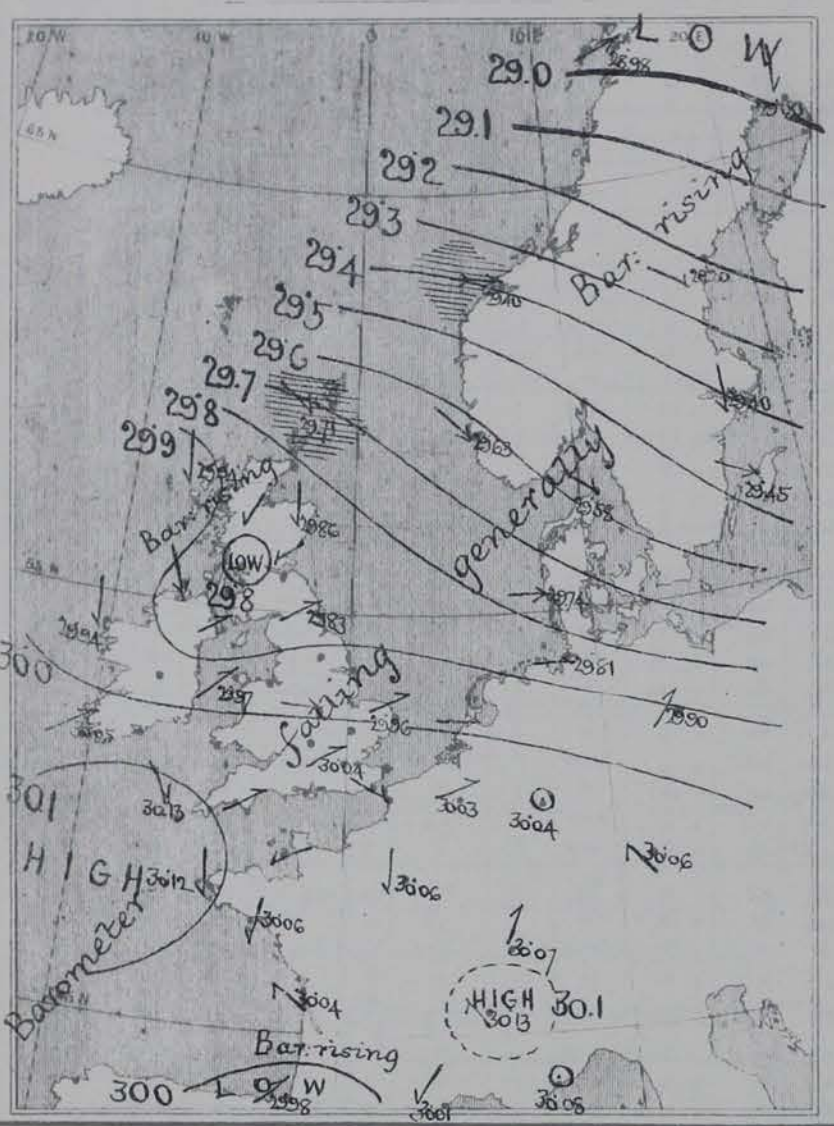
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▦

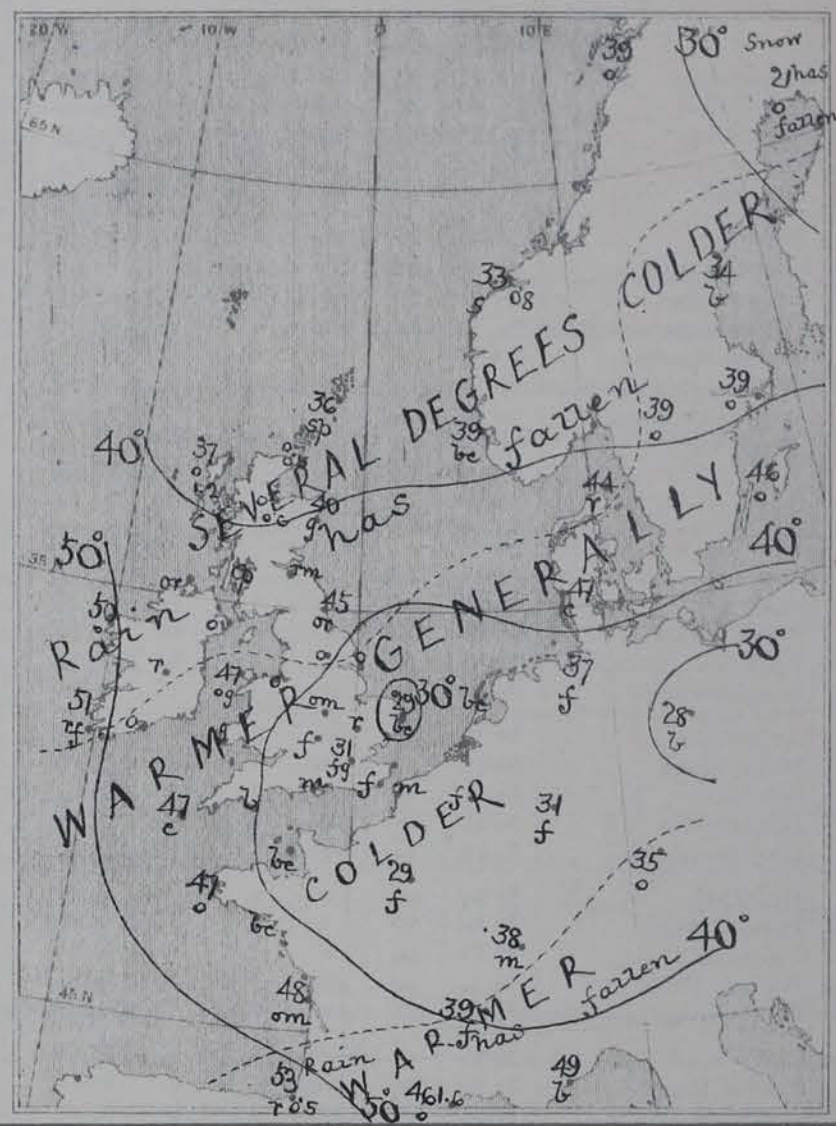


TEMPERATURE & WEATHER.

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 NOVEMBER.

STATIONS.	PRESSURE AT 8 A.M.	TEMPERATURE OF AIR. 1871-95.								RAINFALL.	BRIGHT SUNSHINE.	
		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.	Means, 1881—95. Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	59	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1889	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	

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 area extending from the Atlantic over Portugal and just touching our extreme southwest coasts.

Lowest 29.0 ins. and less in the N. of Scandinavia; 29.8 ins. and less in a small secondary depression over the southwest of Scotland.

Gradients moderate or slight. Barometer falling generally, but rising in the extreme north and northwest of our Islands, and also in Sweden.

TEMPERATURE

Highest 53° at Biarritz, 52° at Lisbon, 51° at Valencia (Ireland) and 50° at Ardrossan and Belmullet.

Lowest (1) 21° at Haparanda, and 33° at Christiansund; (2) 28° at Berlin, and 29° at Paris; (3) 29° at Yarmouth, 30° at Hurst Castle, and 31° in London.

Sharp frost was again experienced last night over England, the lowest readings reported being:- (1) In the screen 23° at Loughborough and Cambridge, 25° at York, and 26° in London; (2) On the grass 17° at Loughborough, 19° at Boyton, and 24° in London.

WIND

Light to moderate from the N^wd. or NW^nd. over the greater part of Scotland and Ireland; light from the W^wd. or SW^wd. over England.

Strong from the W^wd. or NW^nd. over Scandinavia and Denmark, with a gale at Christiansund.

Light and variable over France, and the western and southern parts of Germany.

WEATHER

Cloudy or dull over W^n. Europe generally, with fog at many of the English, French & German stations. Rain was falling in many parts of Ireland and the N. of England, as well as at Biarritz, and snow at Sumburgh H^d. and Christiansund.

Since yesterday morning rain has fallen at several of our own N^rn. stations, as well as in the W. of Norway and the S. of France, the largest amounts being (1) 1.6 ins. at Perpignan; (2) 1.2 in. at Stornoway, and 0.8 in. at Christiansund.

SEA

Slight or smooth generally, but rough at Christiansund and rather rough at Sumburgh H^d.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small secondary depression over the SW. of Scotland will probably move SE^wds., and occasion rain in many parts of England, with a temporary rise of the thermometer. Over the N^rn. parts of the Kingdom cold N^ly. winds are probable, with snow or sleet in places.

FORECASTS

For the 24 hours ending at NOON on 8^TH. NOV. 1896.

DISTRICTS.		FORECASTS.
1	SCOTLAND NORTH	N^ly. winds, freshening, unsettled, some snow or sleet.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W^ly. to NW^ly. winds, freshening, unsettled, some rain, mild at first, colder again later.
3	ENGLAND EAST	W^ly. to NW^ly. winds, light or moderate, dull, misty, some rain, becoming temporarily milder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W^ly. and NW^ly. winds, freshening, cloudy, some rain.
9	IRELAND NORTH	N^ly. winds, freshening, unsettled, some rain, colder.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	The South Cone is still flying in districts 0 and part of 1.

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	49	46	SW	6	o	4
Sumburgh Head	29·79	49	48	W	5	r	6
Stornoway	30·03	49	49	W	5	r	5
Aberdeen	30·12	40	37	NNW	1	om	1
Shields	30·26	45	43	SW	2	m	2
Ardrossan	30·26	48	48	SW	3	bc	3
Malin Head ...	30·27	47	45	W	4	o	3
Belmullet	30·35	48	45	WSW	3	o	*
Holyhead	30·34	48	45	N	2	cf	1
Valencia	30·38	47	43	E	1	bm	2
Scilly	30·18	48	45	NNE	4	om	1
Jersey	30·19	50	47	NE	3	b	3
Hurst Castle ...	30·26	46	43	NE	3	bm	2
Dungeness ...	30·22	48	45	E	5	b	4
North Foreland	30·27	47	43	E	3	b	2
London (Westminster)	30·28	49	44	NE	2	bc	*
Yarmouth ...	30·30	47	44	NE	2	b	3
Rochefort ...	30·08	50	48	E	5	c	*

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

Weather in morning fine over the greater part of our Islands, France, the Netherlands and Germany, but with fog in many places. Dull in the extreme N. and NW. of our Islands, and also over the Nrn. parts of the Continent generally, with rain at Bodö and Helsingfors, and snow at Haparanda and Ulealborg. Dull and unsettled in most of the Srn. countries, with rain over Nrn. Italy and the S. of France. Rain falling later over the N. of our Islands generally, and in the W. of Norway — heavily in the Hebrides. Considerable amounts reported also in the S. of France.

Temperature fallen over Ireland, England, France, Germany and the Netherlands, risen elsewhere. Morning readings highest 73° at Palermo, 69° at Brindisi, 67° at La Calle, and 63° at Cagliari and Athens. Lowest (1) 6° at Archangel, 19° at Moscow, and 22° at Kharkov, (2) 24° at Loughborough at Parsonstown, and 25° at York; below the freezing point over central Europe generally. Rising during day to between 45° and 50° over the greater part of our Islands, exceeding 60° in the extreme S. of France. Sharp frost occurring over England at night.

Wind W. or SW. over the Nrn. parts of our Islands and the Continent generally, strong in force in Scandinavia and the N. of Scotland, with a gale at Christiansund. Light to fresh from the Ewd. or NEwd. over the S. of our Islands, the Netherlands, and the greater part of France, Spain and Italy, but strong to a gale in the extreme S. of France. Subsequently veering to the NWwd. in the W. of Norway. No important change occurring elsewhere.

Barometer highest 30.6 ins. and upwards over Ern. Austria, 30.4 ins. and upwards in a long band stretching from SEn. Europe across Germany to England and Ireland. Lowest 28.9 ins. and less in a deep depression off the NW. of Norway, 29.9 ins. and less in a shallow system over the extreme S. of Spain. Anticyclone giving way later, and barometer falling over Wrn. Europe generally.

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 Sunday 8th November, 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 ...	29.31	13	NE	2	o	29.60	+ .60	−6	−5	− 26	N	2	b	*	o	*	32	?	—
	Hernösand ...	29.25	30	NW	2	b	29.54	+ .34	23	21	− 11	NNW	6	s	*	b	*	46	23	0.12
	Stockholm ...	29.32	33	2	o	b	29.52	+ .12	28	26	− 11	NNW	2	b	*	b	*	48	28	—
	Wisby	29.35	40	W	8	b	29.54	+ .09	38	35	− 8	NW	4	b	*	b	*	46	36	0.04
	Karlstad ...	29.38	33	2	o	b	29.64	+ .17	29	26	− 10	NW	4	b	*	b	*	*	*	—
	Bodö	29.36	25	NE	2	bc	29.67	+ .69	16	16	− 23	E	2	b	1	bc	*	39	16	—
	Christiansund ...	29.61	39	N	7	c	29.76	+ .36	35	33	+ 2	E	5	s	4	c	*	39	32	0.16
	Skudesnaes ...	29.58	41	WNW	4	r	29.77	+ .14	36	33	− 3	N	4	b	2	r	*	47	34	*
	Færder (Christiania Fjord)	29.43	42	NW	4	b	29.69	+ .19	40	33	− 4	NNE	5	b	2	b	*	45	39	—
	Skagen (The Scaw)	29.47	42	NNW	6	b	29.65	+ .07	39	34	− 5	ENE	4	b	1	b	*	46	37	—
	Fanö	29.61	41	NW	3	c	29.60	− .14	39	39	− 8	NW	2	c	*	c	*	48	39	0.04
British Islands	Sumburgh Head	29.74	39	NW	4	c	29.94	+ .23	36	35	0	N	3	o	5	c	*	42	34	0.14
	Stornoway ...	29.95	38	NNE	2	o	30.10	+ .16	36	36	− 1	N	3	o	3	o	0.0	41	33	0.3
	Wick	29.83	39	NW	1	bc	29.98	+ .12	38	37	− 1	N	3	chp	2	bc	*	41	34	0.14
	Nairn	29.90	39	NNW	2	c	30.02	+ .13	37	37	− 3	NNW	2	r	2	c, r	*	41	35	0.02
	Aberdeen ...	29.86	37	NW	3	o	29.98	+ .12	36	35	− 4	NW	4	cq	4	o r s p q	0.0	41	35	0.08
	Leith	29.87	40	ENE	3	o	29.99	+ .16	38	36	− 6	NNW	3	bc	*	o	*	44	36	0.02
	Shields	29.79	44	NE	4	o	29.87	+ .04	43	41	− 2	N	4	cp	4	r. o	*	46	37	0.14
	Spurn Head ...	29.70	43	WSW	2	rf	29.72	− .17	43	41	+ 1	N	5	o	4	rf, bv	*	45	40	0.45
	York	29.72	43	2	*	r	29.82	− .10	37	36	− 6	N	2	bc	*	r	0.0	45	35	0.14
	Loughborough ...	29.74	38	SE	1	r	29.76	− .25	38	37	+ 4	N	3	cm	*	o g, r q, o	*	40	34	0.55
	Ardrossan ...	29.84	40	WSW	4	o	30.00	+ .23	36	36	− 14	2	o	b	o	o	*	51	36	—
	Malin Head ...	29.87	44	N	5	o	30.09	+ .23	42	41	− 4	N	5	cp	3	o	*	46	39	0.01
	Belmullet ...	29.96	46	N	3	o	30.18	+ .24	48	40	− 7	N	3	c	*	o	*	53	39	0.24
	Donaghadee ...	29.80	45	ENE	6	r	30.01	+ .17	48	40	− 2	NNE	6	bc	5	r	*	49	41	0.18
	Liverpool (Bidston)	29.66	47	SSW	1	r	29.90	− .06	38	35	− 5	N	4	b	3	r	*	47	35	0.53
	Holyhead ...	29.70	49	NW	4	o	29.95	− .02	43	41	− 4	N	5	c	4	o	*	50	40	0.41
	Parsonstown ...	29.88	44	NW	2	o	30.10	+ .13	33	31	− 13	N	1	b	*	o r	0.0	51	32	0.07
	Valencia ...	29.93	48	N	5	o	30.17	+ .12	43	40	− 8	NNE	2	c	3	o	0.0	52	41	0.10
	Roche's Point ..	29.84	48	NNW	5	o	30.09	.00	40	38	− 1	NNW	5	b	4	o. g	*	52	38	—
	Pembroke (St. Ann's Hd.)	29.74	47	NW	5	r	29.91	− .17	43	41	− 3	NE	6	cp	4	r	0.0	51	40	0.11
	Scilly	29.88	52	WSW	5	m	29.86	− .27	47	44	0	NNW	8	c	5	m	0.2	52	43	0.11
	Prawle Point ...	29.85	49	WSW	5	r	29.79	− .29	39	37	− 1	N	5	bc	4	c, r	*	52	37	0.13
	Jersey (St. Aubin's)	29.93	49	W	2	o	29.63	− .44	45	42	+ 7	NNW	6	o p m	4	o g p	*	63	37	0.16
	Hurst Castle ...	29.82	47	SW	3	r	29.63	− .44	40	38	+ 10	N	6	o p	3	p r s	*	47	30	0.25
	Dungeness ...	29.81	43	WSW	4	o	29.43	− .57	44	43	+ 12	NNE	5	o	4	o	*	50	31	0.40
	North Foreland	29.82	40	S	2	f	? 29.41	− .56	47	45	+ 15	N	6	r	5	f	*	47	? 32	0.34
	London (Brixton) ...	29.79	41	SW	2	o	29.63	− .41	40	39	+ 9	NNW	6	o r q	*	q f q, o r q	0.0	46	31	0.43
	Oxford	29.68	44	SW	2	o	29.71	− .35	39	38	+ 5	NNW	4	r	*	o, r	*	46	32	0.35
	Cambridge ...	29.76	38	SW	1	r m	29.66	− .36	40	39	+ 6	N	4	o	*	r m	0.0	41	32	0.41
	Yarmouth ...	29.74	38	W	2	f	29.51	− .39	44	42	+ 15	NE	8	r q w	6	f	*	44	28	0.24
Germany & Holland	Cuxhaven ...	29.66	41	W	3	f	29.60	− .21	36	36	− 1	S	2	r	*	f	*	42	36	0.16
	Berlin	29.73	41	W	4	o	29.65	− .25	37	36	+ 9	2	o	o	*	o	*	43	28	—
	Wiesbaden ...	*	*	*	*	*	29.65	− .39	34	33	+ 3	NE	2	o	*	*	*	37	31	—
	Munich	29.93	47	2	o	c	29.73	− .33	43	42	+ 8	SW	2	c	*	c	*	54	35	0.04
	The Helder ...																*			
Belgium.	Brussels ...	*	*	*	*	*	29.51	− .52	39	38	+ 9	SSE	4	r	*	o	*	40	29	0.16
	Cape Gris Nez ...	29.82	47	W	4	m	29.44	− .57	46	46	+ 6	ENE	5	r	5	m	*	48	40	0.51
	Paris	29.93	35	2	o	b	29.55	− .51	43	42	+ 14	SSW	4	r	*	b	*	49	29	0.20
	Brest	30.01	42	NW	3	o	29.76	− .36	48	46	+ 1	NNW	5	c	4	o	*	52	43	0.24
	Lorient	30.00	51	NW	4	o	29.70	− .36	48	45	+ 7	NW	5	bc	4	o	*	55	41	—
France &	Rochefort ...	?	50	NE	2	o	29.70	− .34	54	54	+ 6	WSW	6	r	*	o	*	55	46	0.35
	Belfort	29.93	46	2	o	bc	29.68	− .39	45	44	+ 7	WSW	2	o	*	bc	*	56	38	—
	Lyons	29.99	46	S	1	b	29.80	− .33	44	43	+ 5	SE	1	bc	*	b	*	53	39	—
	Nice	29.93	52	2	o	b	29.78	− .30	51	43	+ 12	2	o	b	1	b	*	64	48	—
	Perpignan ...	29.99	53	NW	3	o	29.89	− .12	53	47	+ 7	W	3	o	*	o	*	61	46	—
	Biarritz ...	30.04	52	SW	4	o	29.88	− .10	55	51	+ 2	W	6	o	4	o	*	55	50	0.32
Peninsula.	Corunna ...																*			
	Lisbon	30.14	51	N	5	b	30.17	+ .05	51	48	− 1	NNE	4	b	*	b	*	59	50	—
	Azores (P. Delgada)	30.29	65	SSE	5	c	30.24	.00	65	61	0	SSE	5	o	6	c	*	68	63	0.63

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Chart 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 0·0 hrs; Eastbourne 2·3 hrs; Hastings Not Rec'd; Brighton 3·0 hrs

WEATHER CHARTS

FOR SUNDAY, 8TH NOVEMBER, 1896.

BAROMETER, WIND AND SEA.

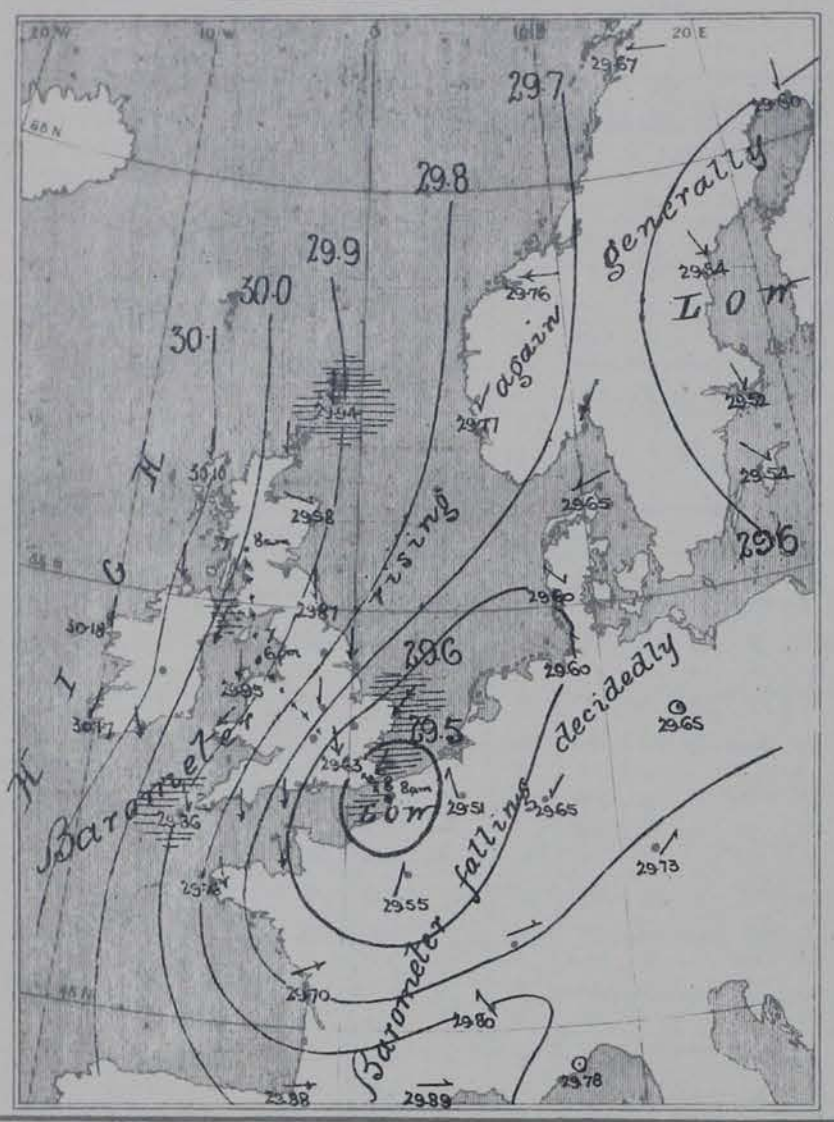
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ; Force 1 to 4 ;

SEA—Rough ; High

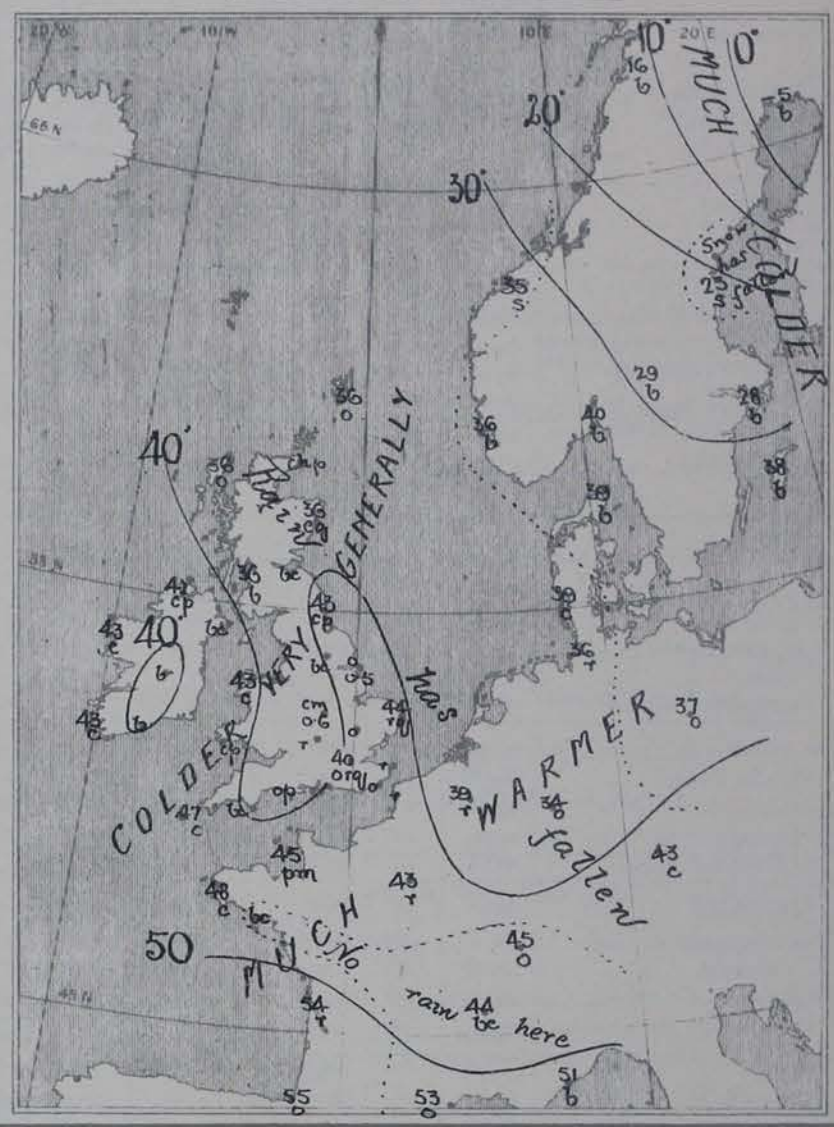


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·65	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·0	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·0	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·6	40·1	48·9	36·6	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	

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 in: and upwards in a large area extending from the Atlantic over the extreme west of our Islands and also over Portugal.
Lowest, 29·5 in: and less, in a depression lying over the extreme southeast of England and the northeast of France; 29·6 in: and less in Sweden.
Gradient rather steep over England, but moderate or slight elsewhere.
Barometer rising a little in all but extreme southeastern parts of our Islands and also in Scandinavia, but falling elsewhere — briskly over France and Belgium.

TEMPERATURE

Highest 55° at Biarritz, 54° at Rochefort, 53° at Perpignan, 51° at Nice and Toulon, and 48° at Brest and Lorient.
Lowest, −5° at Haparanda, +16° at Bodö, 23° at Hernösand, 28° at Stockholm, 29° at Karlstad, and 34° at Wiesbaden.
During yesterday the thermometer rose to 50° and upwards on many parts of our western and southern coasts; in the north of Scotland however, it did not get much above 40

WIND

N^ly in our Islands and also in Sweden and the north of Norway; fresh or strong in force on many parts of the English and Irish coasts, with a gale at Yarmouth and Scilly.
Strong from the NW.^ly or W.^ly in the west of France; light or moderate from the S.^ly or Belgium Central France; calm or variable in Germany.
Light to moderate from the E.^ly in the west of Norway.

WEATHER

Raining over the southeastern parts of England, as well as in Belgium, North Germany, and many parts of France; showery at several of our northern stations with rain at Wick.
Fine in the west of our Islands generally, as well as at most of the Scandinavian & Danish stations, but snow falling at Hernösand and Christiansund.
Since yesterday morning rain has fallen over nearly the whole of our Islands and their immediate neighbourhood, the largest amount being 0·6 in: at Loughborough and 0·5 in: at Spurn Hd., Liverpool, and Cape Fair Nez.

SEA

Rough at Yarmouth and rather rough on our southeast coasts generally, as well as at Lumbugh Hd., Douglas, and Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 9th Nov^r 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 ...	29.60	42	39	WNW	8	r	4
Sumburgh Head	29.74	41	36	NW	4	c	5
Stornoway ...	29.94	40	39	NNE	3	o	3
Aberdeen	29.86	40	36	NNW	3	og	4
Shields	29.81	44	44	NE	2	d	2
Ardrossan ...	29.80	43	43	WSW	4	o	3
Malin Head ...	29.83	45	43	N	5	c	3
Belmullet	29.94	46	44	N	3	o	*
Holyhead	29.79	49	49	SW	4	amq	3
Valencia	29.94	52	51	WSW	3	om	4
Scilly	30.02	51	49	W	5	r	1
Jersey	29.99	53	49	WSW	2	c	2
Hurst Castle ...	29.94	45	43	WSW	3	om	2
Dungeness ...	29.87	46	42	WSW	3	m	2
North Foreland	29.91	42	40	WSW	2	f	1
London (Westminster)	29.90	38	36	SW	1	ogm	*
Yarmouth ...	29.84	38	37	W	3	bcf	3
Rochefort ...	30.04	54	53	NE	1	o	*

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

Weather cloudy over the greater part of our Islands and the Continent, with fog at many of the English, French, and German stations. Rain falling in Ireland and the north of England, as well as in several parts of Austria, Northern Italy, the southwest of France, and the northeast of Spain; snow reported in the Shetlands and also at Christiansund and Ulleaborg. Rain falling later over nearly the whole of our Islands and their immediate neighbourhood, — rather heavily over England.

Temperature risen over Ireland, England, the Netherlands and France, as well as in Russia, fallen in most other countries. Morning readings highest 73° at Malta, 72° at Sfax, 68° at Brindisi, and 65° at Livorno and Palermo: above 60° at many of the Mediterranean stations. Lowest 5° at Archangel, 20° at Ulleaborg, and 21° at Haparanda; below the freezing point in many parts of France and Germany, and also over the southeastern parts of England. Daily maxima below 45° at many of our more northern and eastern stations, but thermometer rising to between 50° and 53° on our western and southern coasts.

Wind light to moderate from the N^w or NW^w over the greater part of Ireland and Scotland; light from the W^w or SW^w over England, the Netherlands, and Germany. W^w over Scandinavia, Denmark, and Russia, with a gale in the Gulf of Finland, as well as at Memel and Christiansund. Variable over France and southern Europe as a whole. Subsequently veering to the NW^w on the Norwegian coasts and later on over England also, with a decided increase in force over the latter country.

Barometer highest 30·5 in: and upwards over Eastern Austria; 30·1 in: and upwards, in an anticyclone lying over Southeastern Europe generally and also in another system stretching from the Atlantic over Portugal and our own extreme southwest coasts. Lowest 28·7 in: and less, in a well marked depression over Finland; 29·8 in: and less, in a small secondary system over the southwest of Scotland. Secondary disturbance moving at first southwards to the North Sea, and afterwards southeastwards across England; system becoming much deeper in evening.

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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DAILY WEATHER REPORT

for 8 a.m. on Monday, 9th November, 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 ...	29.66	1	SW	2	b	29.38	-.22	18	18	+ 23	SW	2	0	#	b	#	18	-8	-
	Hernösand ...	29.87	11	S	2	b	29.68	+.14	16	15	- 7	SW	2	0	#	b	#	34	10	0.04
	Stockholm ...	29.85	24	SW	2	b	29.94	+.42	21	20	- 7	SSW	2	b	#	b	#	34	21	-
	Wisby	29.81	33	N	8	S	30.02	+.48	31	27	- 7	NNW	4	b	#	S	#	38	28	0.04
	Karlstad ...	29.95	26	N	2	b	29.92	+.28	30	27	+ 1	SW	2	c	#	b	#	#	#	-
	Bodö	29.60	30	NW	4	S	29.47	-.20	32	28	+ 16	N	4	c	1	S	#	32	16	-
	Christiansund ...	29.87	35	NNW	5	S	29.71	-.05	37	35	+ 2	NW	9	S	6	S	#	37	32	0.59
	Skudesnaes ...	29.98	36	N	1	c	29.97	+.20	41	37	+ 5	W	4	c	2	c	#	41	32	#
	Færder (Christiania Fjord)	29.93	38	E	0	b	29.94	+.25	34	29	- 6	NNW	2	c	1	b	#	41	34	-
	Skagen (The Scaw)	29.99	36	NE	1	b	30.01	+.36	35	31	- 4	NNW	4	b	1	b	#	43	28	-
	Fanö	29.91	32	NE	2	b	30.09	+.49	31	30	- 8	NE	2	b	#	b	#	43	29	-
British Islands	Sumburgh Head	30.05	36	N	2	bc	30.05	+.11	40	37	+ 4	NNW	2	0	4	bc	#	42	33	0.03
	Stornoway ...	30.21	35	NNW	2	bm	30.20	+.10	39	39	+ 3	NNW	3	0	3	c.bm	0.2	40	32	0.11
	Wick	30.12	36	N	3	bc	30.14	+.16	34	33	- 4	NW	2	bc	1	bc	#	40	30	0.03
	Nairn	30.17	36	NNW	1	bc	30.21	+.19	37	36	0	W	1	b	1	bc	#	40	31	-
	Aberdeen ...	30.14	36	NW	3	bc	30.22	+.24	37	35	+ 1	W	2	bc	2	rshp	2.0	39	32	0.04
	Leith	30.12	38	NNW	3	b	30.29	+.30	36	33	- 2	WSW	3	cm	#	b	#	45	30	-
	Shields	30.04	40	N	3	cprh	30.29	+.42	32	31	- 11	W	2	c	3	rhp	#	45	30	0.07
	Spurn Head ...	29.89	43	N	6	cqp	30.24	+.52	43	41	0	NNE	3	cv	4	cqp.r	#	46	39	0.06
	York	30.00	38	N	2	bp	30.30	+.48	34	32	- 3	NNW	1	b	#	p.b	2.3	45	32	0.16
	Loughborough ...	29.98	38	N	3	b	30.29	+.53	31	30	- 7	NW	1	bm	#	p.cq.bc	#	43	31	0.01
	Ardrossan ...	30.17	37	N	1	bc	30.34	+.34	34	34	- 2	E	0	cf	0	bc	#	46	29	-
	Malin Head ...	30.22	42	N	5	cq	30.35	+.26	42	41	0	WSW	3	bcm	1	c.cq	#	44	40	-
	Belmullet ...	30.31	40	N	2	o	30.41	+.23	38	37	- 5	S	2	b	#	bc.o	#	46	30	-
	Donaghadee ...	30.16	44	NNE	6	b	30.36	+.35	36	35	- 1	NNW	4	bc	3	b	#	47	35	-
	Liverpool (Bidston)	30.10	38	N	4	b	30.36	+.46	36	33	- 2	N	1	b	2	b	#	42	34	-
	Holyhead ...	30.11	45	NNE	5	c	30.37	+.42	41	37	- 2	N	2	b	1	c	#	45	37	-
	Parsonstown ...	30.24	37	W	1	c	30.43	+.33	24	24	- 9	E	0	b	#	b	7.4	44	24	-
	Valencia ...	30.30	44	N	3	c	30.45	+.28	30	29	- 13	ENE	1	b	2	c	5.6	48	28	0.01
	Roche's Point ...	30.24	43	NNW	5	b	30.43	+.34	35	33	- 5	NNE	3	b	3	b	#	46	34	-
	Pembroke (St. Ann's Hd.)	30.09	42	NE	5	c	30.35	+.44	38	37	- 5	ENE	3	b	3	c	4.6	46	37	-
	Scilly	30.02	46	N	6	c	30.30	+.44	46	42	- 1	NNE	5	bc	3	cq	3.4	49	42	0.18
	Prawle Point ...	30.00	43	N	4	c	30.24	+.45	37	35	- 2	N	5	b	3	c	#	47	34	-
	Jersey (St. Aubin's)	29.85	47	N	5	o	30.17	+.54	45	41	0	NNE	6	bc	5	rq.o.gbos	#	47	43	0.03
	Hurst Castle ...	29.84	41	N	6	bc	30.21	+.58	38	36	- 2	NNE	4	bm	3	bc	#	45	36	-
	Dungeness ...	29.64	43	N	7	rq	30.06	+.63	45	42	+ 1	NNE	6	c	6	rq.p	#	45	40	0.35
	North Foreland	29.69	46	N	7	rsh	30.11	+.54	46	41	+ 2	NNE	6	o	6	rh.rs	#	47	40	0.39
	London (Brixton) ...	29.82	43	NE	4	b	30.20	+.57	38	36	- 2	NNE	4	b	#	oq.p.bq	0.4	46	36	0.04
	Oxford	29.99	38	N	5	b	30.27	+.56	33	32	- 6	N	2	b	#	bqtl	#	45	33	-
	Cambridge ...	29.87	41	N	5	b	30.24	+.58	33	33	- 7	NNW	2	bm	#	o.b	1.0	47	32	0.03
	Yarmouth ...	29.74	45	NNE	7	cqju	30.17	+.60	44	41	0	NNE	4	c	4	cq	#	46	40	0.08
Germany & Holland	Cuxhaven ...	29.64	39	NE	1	o	30.07	+.47	34	34	- 2	NNE	4	b	#	o	#	41	34	0.04
	Berlin	29.71	39	NE	2	o	29.94	+.29	39	38	+ 2	N	3	r	#	o	#	43	37	-
	Wiesbaden ...	#	#	#	#	#	29.82	+.17	40	39	+ 6	N	1	r	#	#	#	43	34	0.32
	Munich	29.63	42	E	2	b	29.71	-.02	35	35	- 8	E	0	f	#	b	#	54	28	0.04
	The Helder ...	29.72	44	NE	2	b	30.13		42	38		ENE	3	b	3	b	#	45	41	-
Belgium.	Brussels ...	#	#	#	#	#	30.01	+.30	36	35	- 3	NNE	6	o	#	?	#	41	36	0.91
	Cape Gris Nez ...	29.63	44	E	8	r	29.91	+.53	44	38	- 2	ENE	6	c	6	r	#	46	37	0.67
	Paris	29.47	48	SW	1	r	29.83	+.28	37	36	- 6	NNE	3	r	#	r	#	48	34	0.79
	Brest	29.96	46	N	4	c	30.19	+.43	43	41	- 5	NNE	3	b	2	c	#	52	39	-
	Lorient	29.86	46	N	6	bc	30.13	+.43	44	41	- 4	N	6	bc	3	bc	#	48	37	-
France &	Rochefort ...	29.80	47	NNW	6	s	29.97	+.27	45	?	- 9	N	7	c	#	o	#	55	43	0.12
	Belfort	29.54	43	E	0	r	29.69	+.01	39	39	- 6	W	1	r	#	r	#	51	39	0.20
	Lyons	29.59	46	SW	1	s	29.77	-.03	40	39	- 4	NW	1	o	#	s	#	56	40	0.16
	Nice	29.69	52	SW	1	c	29.64	-.14	47	46	- 4	E	0	o	2	c	#	59	46	-
	Perpignan ...	29.74	51	NW	2	o	29.84	-.05	44	41	- 9	W	1	c	#	o	#	64	44	0.04
	Biarritz ...	29.86	54	NNW	6	r	29.97	+.09	43	41	- 12	SSW	3	r	5	tlr	#	55	41	0.67
Peninsula.	Corunna ...																#			
	Lisbon	30.10	55	NNE	5	b	30.16	-.01	49	44	- 2	NNE	5	b	#	b	#	59	48	-
	Azores (P. Delgada)	30.19	66	SSE	6	o	30.10	-.14	64	63	- 1	S	6	f	7	o	#	68	63	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 6.6 hrs; Eastbourne 0.0 hrs; Hastings 0.0, Brighton 0.0.

WEATHER CHARTS

FOR Monday 9th November, 1896.

BAROMETER, WIND AND SEA.

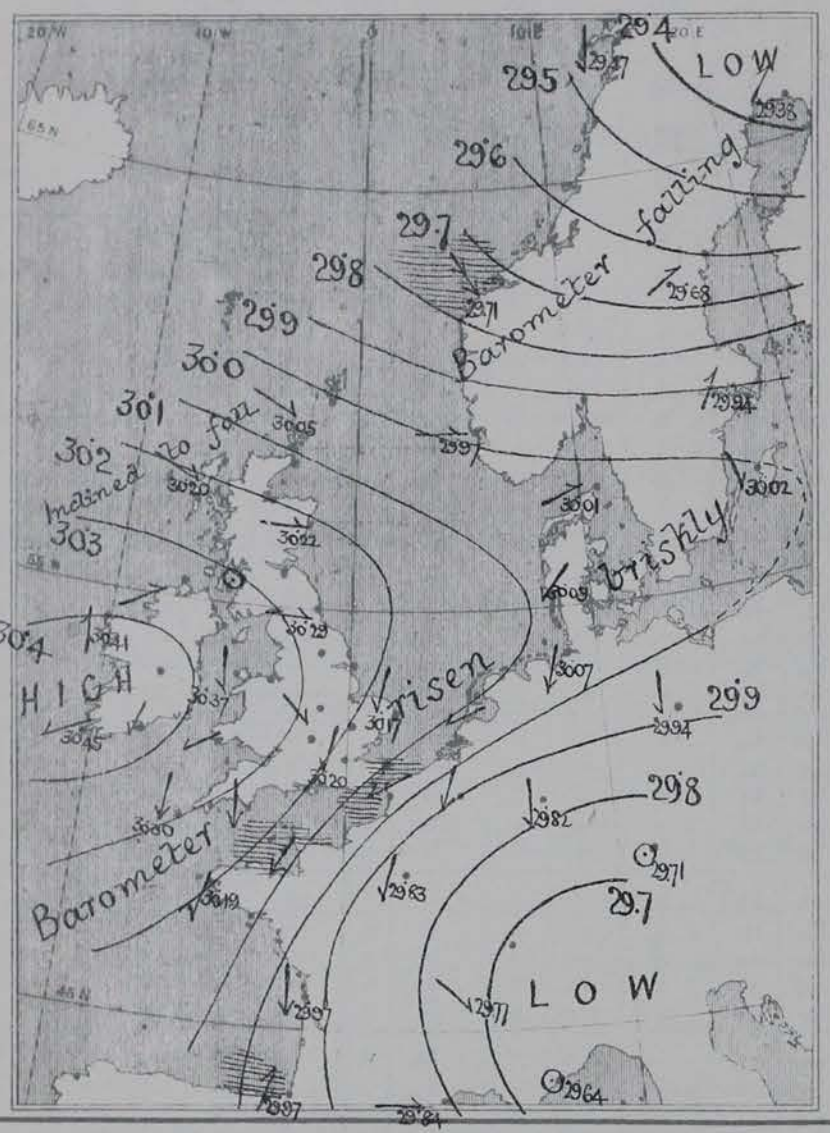
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

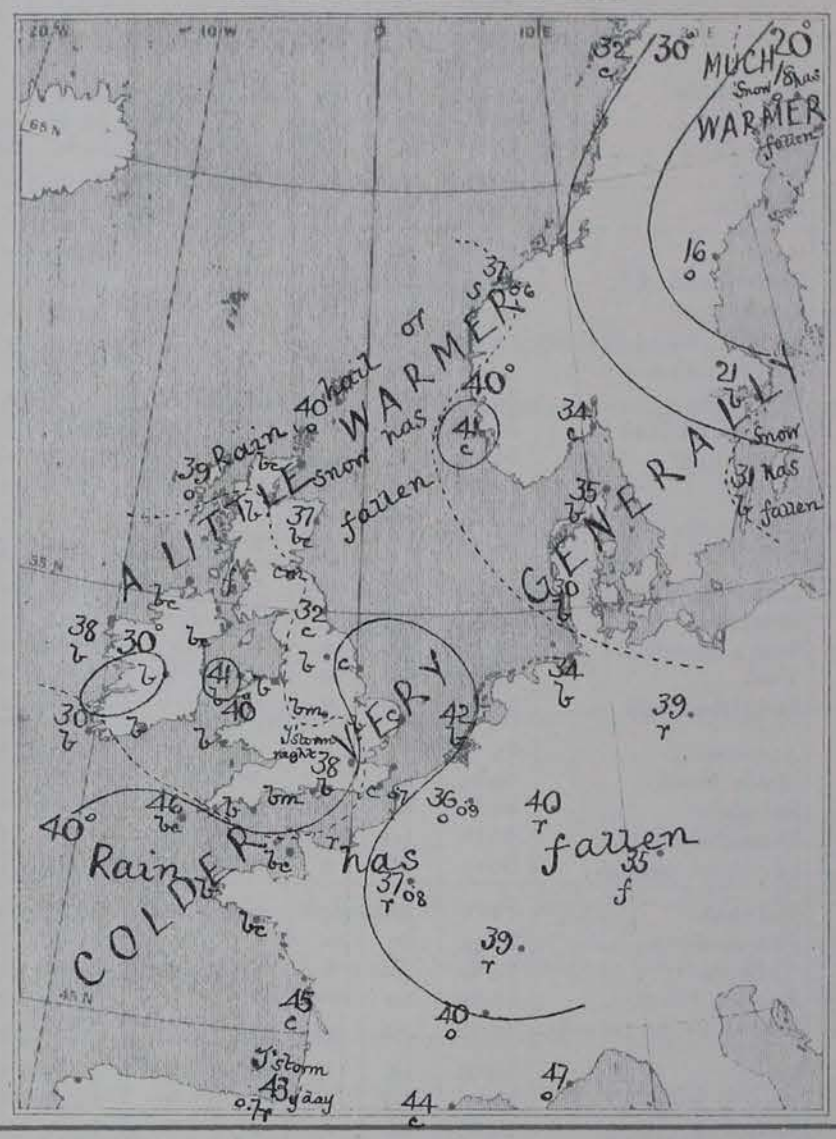


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·9	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1881	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63	1881, 93, 94, 95	19	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	29	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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 in: and upwards over Ireland; 30·1 in: and upwards in an anticyclone covering the whole of our Islands and the neighbouring parts of the North Sea.
Lowest, 29·4 in: and less, in a depression over Lapland; 29·7 in: and less in another disturbance over the southeastern parts of France.
Gradients moderate or slight generally, but rather steep over the northeast of France
Barometer falling at most of the Scandinavian stations and inclined to fall in the north of Iceland; rising in all other parts of our area.

TEMPERATURE

Highest, 45° at Lisbon, 47° at Nice, 46° at Scilly and the North of Ireland, and 45° at Jersey, Dungeness, and Rochefort.
Lowest, 16° at Hernösand, 18° at Kafjeurdal, 21° at Stockholm and 30° at Karlstad; (2) 24° at Farnborough, 31° at Loughborough, and 33° at Oxford Cambridge
Frost occurred last night in many parts of our Islands the lowest readings reported being:—(1) In the screen 24° at Farnborough, 28° at Valencia (Ireland) and 29° at Ardrossan; (2) On the grass 24° at Loughborough.

WIND

Light from the S. or SW. in the north of Ireland, and from the W. over the northern parts of Great Britain.
N. or NE. over England, the south of Ireland, Denmark, Germany, the Netherlands and the greater part of France; strong in force over the Channel and the Bay of Biscay.
NW. in the west of Norway, with a gale at Christiansund; light from the SW. in Sweden.

WEATHER

Fine over the greater part of the United Kingdom, as well as in Holland, Denmark, and the south of Scandinavia.
Cloudy or overcast elsewhere, with rain at several of the French and German stations, and with snow at Christiansund.
Rain hail or sleet fell yesterday in many parts of Great Britain, and heavy rain at several of the Continental stations.
Thunderstorms have occurred at Oxford and Biarritz.

SEA

Rough on the Kentish coast and at Cape Gris Nez and Christiansund, rather rough at Jersey and Biarritz, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further depressions are apparently advancing towards our northern coasts, and the weather there is likely to become unsettled again. Over the southern parts of the Kingdom the conditions will probably remain fine for the present, with fog and frost in places.

FORECASTS

For the 24 hours ending at NOON on 10th Nov.r 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. winds, freshening, dull, some rain.
1	SCOTLAND EAST	W. winds, moderate; fair at first, some rain later.
2	ENGLAND N.E.	NW. to W. winds, light; fair generally.
3	ENGLAND EAST	N. to NW. or W. winds, light; fine generally, frosty at night, with local fogs.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	Same as No. 1.
7	ENGLAND N.W.	Same as No. 2.
8	ENGLAND S.W.	NE. and N. winds, moderate; fine generally.
9	IRELAND NORTH	Same as No. 1.
10	IRELAND SOUTH	Variable breezes, finally W.; fair generally.
	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 ...	29·88	41	37	N	4	b	1
Sumburgh Head							
Stornoway	30·17	39	39	N	2	c	1
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·15	43	41	N	4	c	3
Belmullet	30·24	45	41	NE	3	bc	*
Holyhead							
Valencia							
Scilly							
Jersey	29·75	45	42	NNW	7	o	5
Hurst Castle ...							
Dungeness ...	29·84	43	42	NNE	7	r	6
North Foreland	29·61	45	43	N	7	r	6
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29·72	50	49	NNW	6	o	*

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 1st TO THE 7th NOV. 1896.

At the commencement of last week an anticyclone was gradually spreading over the west and north of our Islands, while a shallow depression over France was moving away to the southward. Light to moderate breezes from the N.ward were experienced over the United Kingdom generally, with fair weather at many of the western stations, but with showers in most other Districts and with thunder and lightning at some of the Channel stations.

On the 2nd and 3rd the further extension of the anticyclone was arrested by a large depression of increasing depth which moved southwards across Scandinavia and the Baltic & thence eastwards to Central Russia. The progress of the disturbance was marked by N. gales at many of the Scandinavian stations, and by freshening winds on our own northern coasts, with a continuance of showery weather in all the more Eastern parts of the Kingdom.

As the depression passed away, however, the anticyclone spread Eastwards with considerable rapidity until it finally embraced nearly the whole of western and Central Europe. Light W. or SW. winds now set in on our northern coasts, but NE. winds in the south, with fair weather in most districts, but with fogs at many of the inland stations.

Towards the close of the week the anticyclone broke up, and a large depression moved Eastwards across the north of Scandinavia, while secondary disturbances began to appear over our own northern districts. The small system which appeared over the west of Scotland on the 7th, after moving southwards to the Irish Sea advanced southeastwards across England, and occasioned heavy rains in many places at night. In its rear a slight gale from the N.W. sprang up on some parts of our south and East coasts.

The temperatures recorded during the week were fairly high in the daytime but low at night, with sharp frosts in many parts of the Kingdom. During the latter half of the time the sheltered thermometer over the inland parts of England and Ireland fell from 7° to 9° below the freezing point, while on the grass a reading of 17° was registered at Loughborough early on the 7th.

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 10th Novr. 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 ...	29·84	−3	Z	0	b	29·35	— ·03	13	13	— 5	N	2	o	#	b	#	?	−4	—
	Hernösand ...	29·56	28	N	4	o	29·73	+ ·05	29	22	+ 7	W	4	b	#	o	#	30	3	—
	Stockholm ...	29·71	34	W	2	o	29·88	— ·06	25	23	+ 4	NNW	2	b	#	o	#	34	18	—
	Wisby	29·83	36	SW	9	s	29·92	— ·10	34	31	+ 8	NNW	6	b	#	s	#	37	27	0·12
	Karlstad ...	29·79	31	N	2	b	29·95	+ ·03	27	25	— 3	W	2	b	#	b	#	#	#	—
	Bodö	29·50	30	NW	4	c	29·50	+ ·03	33	30	+ 1	NW	6	s	2	c	#	33	29	—
	Christiansund ...	29·87	34	NW	5	s	29·80	+ ·09	34	33	— 3	ESE	1	s	4	s	#	37	30	0·16
	Skudesnaes ...	29·99	39	WNW	4	o	29·80	— ·17	46	46	+ 5	WSW	8	r	4	o	#	46	32	#
	Færder (Christiania Fjord)	29·84	40	ENE	4	b	29·92	— ·02	41	36	+ 7	W	1	bc	1	b	#	41	34	—
	Skagen (The Scaw)	29·92	42	W	4	c	30·00	— ·01	40	36	+ 5	NW	1	bc	0	c	#	43	34	0·04
	Fanö	30·09	42	NW	4	b	30·11	+ ·02	45	43	+ 14	WNW	4	c	#	b	#	46	28	0·04
British Islands.	Sumburgh Head	29·97	41	WNW	1	r	29·67	— ·38	49	49	+ 9	W	4	r	4	o, r	#	49	41	0·58
	Stornoway ...	30·09	44	W	3	rq	29·88	— ·32	49	49	+ 10	WSW	6	r	6	o, d, rq	0·0	50	38	0·40
	Wick	30·00	40	NW	2	o	29·83	— ·31	49	48	+ 15	NW	2	or	2	o	#	49	32	0·03
	Nairn	30·12	44	W	2	c	29·92	— ·29	50	48	+ 13	WSW	2	c	1	c	#	50	34	0·01
	Aberdeen ...	30·18	42	SW	2	og	29·98	— ·24	50	45	+ 13	SW	2	og	1	og, p	2·5	50	37	0·03
	Leith	30·27	44	Z	0	o	?30·15	— ·14	45	43	+ 9	WSW	3	o	#	o	#	47	35	0·07
	Shields	30·28	41	WSW	1	o	30·21	— ·08	43	41	+ 11	SW	2	r	2	c, o	#	44	32	0·03
	Spurn Head ...	30·31	41	W	3	bc	30·28	+ ·04	41	40	— 2	WSW	4	c	3	bc, m	#	44	40	—
	York	30·33	40	NNW	1	bc	30·30	·00	40	38	+ 6	WSW	1	c	#	bc	?	48	34	0·01
	Loughborough ...	30·38	34	WNW	1	b	30·38	+ ·09	37	34	+ 6	W	2	cw	#	bw, ow, c	#	45	31	—
	Ardrossan ...	30·29	45	WSW	4	o	30·18	— ·16	47	47	+ 13	WSW	4	o	3	o	#	48	34	0·07
	Malin Head ...	30·29	42	S	4	c	30·17	— ·18	45	45	+ 3	SSW	4	og	2	c	#	45	42	—
	Belmullet ...	30·37	46	WSW	3	o	30·24	— ·17	48	47	+ 10	WSW	4	o	#	o	#	48	35	—
	Donaghadee ...	30·37	41	WSW	4	c	30·27	— ·09	39	38	+ 3	WSW	4	c	2	c	#	46	35	—
	Liverpool (Bidston)	30·40	40	WNW	2	bc	30·36	·00	41	38	+ 5	WSW	2	bc	1	bc	#	44	36	—
	Holyhead ...	30·41	43	W	1	bc	30·35	— ·02	43	40	+ 2	W	3	c	2	b, bc	#	45	40	—
	Parsonstown ...	30·41	35	Z	0	b	30·35	— ·08	34	33	+ 10	SE	1	o	#	b	5·9	44	24	—
	Valencia ...	30·43	38	ESE	2	b	30·35	— ·10	46	43	+ 16	S	3	o	3	bv, b	7·6	47	29	—
	Roche's Point ...	30·45	39	NNE	1	b	30·40	— ·03	44	42	+ 9	SW	2	c	3	b	#	49	33	—
	Pembroke (St. Ann's Hd.)	30·42	38	Z	0	b	30·41	+ ·06	47	45	+ 9	W	3	cv	2	b	8·1	47	37	—
	Scilly	30·38	46	NNE	3	bc	30·42	+ ·12	45	42	— 1	SSW	3	cw	1	bc	7·7	48	42	—
	Prawle Point ...	30·40	38	ENE	2	b	30·46	+ ·22	39	38	+ 2	WSW	2	bc	1	b	#	47	34	—
	Jersey (St. Aubin's)	30·32	47	NE	4	cgm	30·45	+ ·28	37	36	— 8	WSW	3	bm	3	bc, cgm, bw	#	49	35	—
	Hurst Castle ...	30·38	38	NNW	1	bm	30·45	+ ·24	37	30	— 6	NW	1	bm	1	bm	#	46	30	—
	Dungeness ...	30·29	40	NE	3	bc	30·39	+ ·33	30	29	— 15	N	2	f	1	c, bc	#	48	29	—
	North Foreland	30·33	45	N	5	b	30·41	+ ·30	33	33	— 13	W	2	f	2	b	#	48	32	—
	London (Brixton) ...	30·36	42	N	2	b	30·44	+ ·24	31	30	— 7	WSW	1	bm	#	bc, bv	2·2	46	29	—
	Oxford	30·42	35	N	2	bm	30·43	+ ·16	32	30	— 1	SW	1	c	#	b, bm	#	46	30	—
	Cambridge ...	30·38	35	N	1	bw	30·41	+ ·17	32	31	— 1	SW	1	ow	#	b, bm	6·7	46	29	—
	Yarmouth ...	30·28	43	NNW	1	bc	30·33	+ ·16	34	33	— 10	W	3	bcf	3	bc	#	47	31	—
Germany & Holland.	Cuxhaven ...	30·17	34	NW	1	b	30·19	+ ·12	39	39	+ 5	SW	1	o	#	b	#	39	34	0·04
	Berlin	30·18	37	SW	2	bc	30·25	+ ·31	33	31	— 6	W	3	b	#	bc	#	41	30	0·04
	Wiesbaden ...	*	*	*	*	*	30·38	+ ·16	34	32	— 6	Z	0	b	#	*	#	43	32	—
	Munich	30·05	40	Z	0	o	30·27	+ ·56	38	38	+ 9	E	3	o	#	o	#	41	35	—
	The Helder ...																#			
Belgium.	Brussels ...	*	*	*	*	*	30·43	+ ·42	32	30	— 4	SSE	1	o	#	b	#	42	27	—
	Cape Gris Nez ...																#			
	Paris	30·21	39	NNE	3	o	30·39	+ ·56	30	29	— 7	N	2	b	#	o	#	40	28	0·46
	Brest	30·34	50	NNE	2	c	30·44	+ ·25	44	40	+ 1	E	1	c	1	c	#	50	37	—
	Lorient	30·17	45	N	6	bc	30·40	+ ·27	44	36	0	NE	1	bc	2	bc	#	46	37	0·47
France &	Rochefort ...														#		#			
	Belfort	30·00	40	Z	0	f	30·25	+ ·56	38	37	— 1	E	3	o	#	f	#	46	38	0·47
	Lyons	29·99	43	NNW	2	o	30·24	+ ·47	41	40	+ 1	NNW	3	m	#	o	#	45	40	0·04
	Nice	29·82	49	SE	1	b	29·96	+ ·32	51	45	+ 4	E	1	c	3	b	#	55	43	—
	Perpignan ...	29·96	44	NW	3	b	30·12	+ ·28	44	39	0	W	4	bc	#	b	#	51	42	—
	Biarritz ...	30·01	50	NNE	5	b	30·21	+ ·24	41	39	— 2	E	2	c	4	r	#	52	39	0·75
Peninsula.	Corunna ...														#		#			
	Lisbon	30·21	49	NNE	4	b	30·26	+ ·10	45	40	— 4	NE	4	b	#	b	#	57	43	—
	Azores (P. Delgada)	30·09	64	S	6	o	30·06	— ·04	65	64	+ 1	S	5	r	6	o	#	66	63	0·55

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 6·4 hrs; Eastbourne 4·2 hrs; Hastings Not rec'd; Brighton 7·5 hrs.

WEATHER CHARTS

FOR ..... 1896.

BAROMETER, WIND AND SEA.

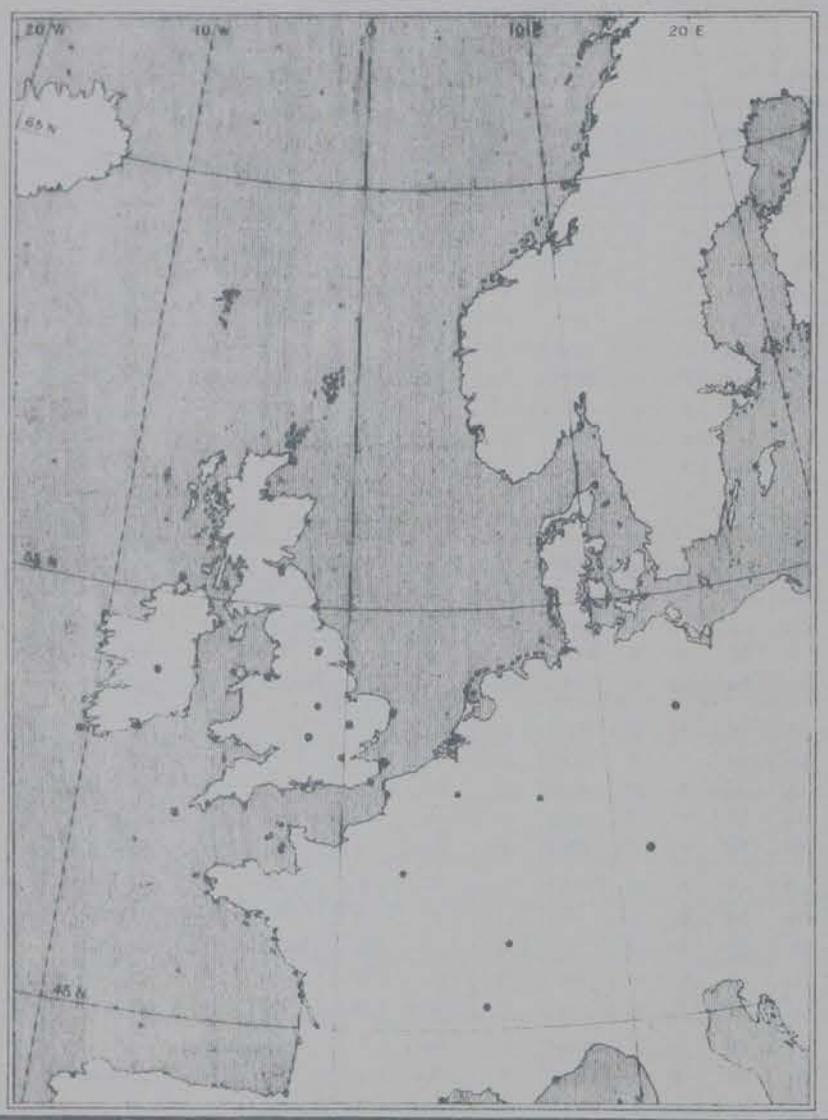
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

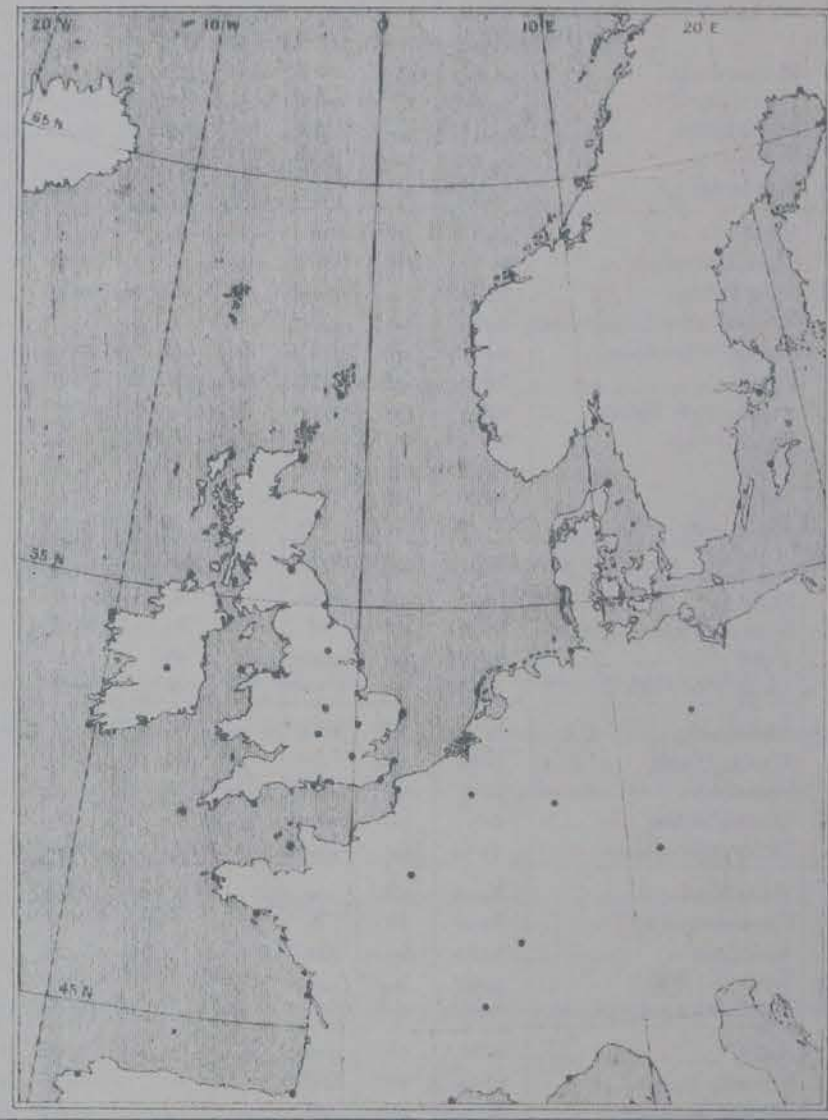


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·0	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 91	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63	1881, 93, 94, 95	19	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	67	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·9	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	48·5	35·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·1	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·70	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	29	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1870	2·31	29·5	11
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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

TEMPERATURE

WIND

WEATHER

SEA

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH		6 SCOTLAND WEST	
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	

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	42	38	NNW	6	0	3
Sumburgh Head	30.01	42	40	WNW	1	0	4
Stornoway	30.17	46	45	W	3	0	3
Aberdeen	30.21	42	39	W	1	0g	2
Shields	30.29	41	38	W	3	0	3
Ardrossan	30.32	47	46	W	3	c	2
Malin Head ...	30.33	45	43	WSW	3	0	2
Belmullet	30.40	46	43	SW	3	c	*
Holyhead	30.40	45	41	N	1	b	1
Valencia	30.44	47	40	NW	0	bv	1
Scilly	30.35	47	43	NNE	4	bc	2
Jersey	30.26	49	44	NE	5	bc	4
Hurst Castle ...	30.31	46	42	NE	4	bm	3
Dungeness ...	30.22	46	42	NNE	6	c	5
North Foreland	30.27	46	41	N	6	c	5
London (Westminster)	30.29	46	41	NNE	3	bc	*
Yarmouth ...	30.26	46	42	NNE	4	bc	4
Rochefort ...	30.08	46	45	N	6	0	*

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

Weather in morning fine and bright over the British Islands and their neighbourhood, but unsettled both over N.rn Europe and the S. of France, with rain in some localities. Rain falling later in considerable quantity at the French stations, and in small quantity in the N. and NW. of our Islands; snow in several parts of Scandinavia, but fine weather continuing over England.

Temperature fallen over Ireland, England and France, risen over Norway. Morning readings highest, 74° at Malta, 73° at Brindisi, 68° at Athens; 51° at Nicolaieff, 50° at Corunna. Lowest (1) 5° at Archangel, 11° to 19° over Finland and the Gulf of Bothnia; (2) 24° at Parsonstown, 31° to 36° over Ireland, the N.rn and midland parts of England, 35° at Munich, 37° at Paris. Rising decidedly over Scotland during the day, but at night again cold over England and France.

Wind W.ly (SW to NW) over Scandinavia and the N.rn parts of our Islands, and blowing a gale at Christiansund; very light and variable over Ireland; NE.ly to N.ly, moderate to strong, over Spain, France, the Netherlands and the E. and S. of England. The W.ly wind in Scotland beginning to spread southwards during the day, while the NE.ly winds in the south fell light.

Barometer highest 30.4 ins. and more to 30.3 ins. over the W.rn parts of our Islands and the neighbouring parts of the Atlantic, and exceeding 30.0 ins. in a ridge stretching thence across the North Sea and Denmark to the Baltic. Lowest below 29.4 ins. in a depression over Lapland, below 29.7 ins. in another over the SE. of France and N. of Italy. Falling rather decidedly in the NW. and N. of the British Islands later, rising over 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.

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, 11th November, 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 ...	29.49	13	SW	0	b	29.65	+.30	9	8	−4	N	2	b	*	b	*	23	−8	-
	Hernösand ...	29.67	21	SW	0	b	29.73	.00	11	11	−12	SW	0	b	*	b	*	32	?11	-
	Stockholm ...	29.70	29	SW	0	s	29.75	−.13	24	22	−1	N	2	o	*	c	*	34	24	0.08
	Wisby	29.63	42	W	4	r	29.68	−.24	37	36	+3	ESE	4	o	*	r	*	43	28	0.39
	Karlstad ...	29.65	31	NNW	2	o	29.73	−.22	31	30	+4	ESE	2	o	*	s.o	*	*	*	0.16
	Bodö	29.57	32	NW	6	c	29.69	+.19	26	23	−7	NE	2	b	1	c	*	34	25	-
	Christiansund ...	29.69	34	E	2	bc	29.69	−.11	32	31	−2	ESE	2	o	3	bq	*	36	30	-
	Skudesnaes ...	29.65	49	W	6	r	29.60	−.20	49	49	+3	W	6	rf	4	r	*	49	37	*
	Færder (Christiania Fjord)	29.65	37	N	2	o	29.67	−.25	35	34	−6	NE	5	m	1	o	*	46	34	0.28
	Skagen (The Scaw)	29.69	48	W	6	o	29.66	−.34	44	43	+4	2	0	f	o	o	*	48	?	0.20
	Fanö	29.94	47	W	6	r	29.86	−.25	48	47	+3	W	6	o	*	r	*	48	45	0.08
British Islands.	Sumburgh Head	29.61	49	W	4	r	29.60	−.07	47	47	−2	W	4	o	4	r	*	50	46	0.68
	Stornoway ...	29.86	49	W	7	r	29.80	−.08	50	50	+1	W	4	o	4	orq.r	0.0	50	48	0.70
	Wick	29.77	50	W	8	o	29.73	−.10	50	49	+1	W	4	o	3	o	*	52	45	0.10
	Nairn	29.87	50	WSW	4	c	29.81	−.11	52	50	+2	W	3	c	1	c	*	52	48	-
	Aberdeen ...	29.92	51	SW	5	ogq	29.84	−.14	51	48	+1	SW	3	ogr	3	ogq	0.0	52	47	0.05
	Leith	30.06	47	SW	3	b	29.95	−.20	48	46	+3	WSW	3	o	*	b	*	49	44	0.02
	Shields	30.14	46	SW	3	o	30.03	−.18	47	46	+4	WSW	3	r	2	r.o	*	47	41	0.04
	Spurn Head ...	30.21	43	WSW	3	bc	30.10	−.18	42	41	+1	SW	3	c	3	bc	*	46	39	-
	York	30.21	45	W	2	bc	30.08	−.22	48	46	+8	WSW	1	c	*	bc	6.3	48	39	-
	Loughborough ...	30.29	43	W	2	c	30.18	−.20	44	42	+7	WSW	3	c	*	cm.bc	*	45	37	-
	Ardrossan ...	30.12	44	SW	4	o	29.99	−.19	50	50	+3	SSW	4	o	3	o	*	50	46	-
	Malin Head ...	30.10	48	SSW	5	o	29.99	−.18	50	49	+5	WSW	6	om	4	o	*	50	45	
	Belmullet ...	30.17	50	WSW	4	o	30.07	−.17	51	50	+3	WSW	3	o	*	o	*	50	46	-
	Donaghadee ...	30.21	43	WSW	3	bc	30.08	−.19	47	46	+8	WSW	5	c	3	bc	*	47	38	0.02
	Liverpool (Bidston)	30.27	44	W	5	bc	30.15	−.21	47	45	+6	WSW	4	o	3	bc	*	47	41	-
	Holyhead ...	30.28	47	SW	3	c	30.18	−.17	49	47	+6	SW	3	c	2	cm.c	*	49	42	-
	Parsonstown ...	30.26	44	S	1	o	30.15	−.20	43	42	+9	L	0	bc	*	c.o	0.1	47	33	-
	Valencia ...	30.26	49	S	3	o	30.14	−.21	50	49	+4	S	2	oq	4	oq.o	0.0	51	45	-
	Roche's Point ..	30.32	49	WSW	3	o	30.21	−.19	50	50	+6	SSW	3	o	3	q	*	50	44	-
	Pembroke (St. Ann's Hd.)	30.34	49	W	4	o	30.24	−.17	51	49	+4	WSW	4	oq	4	c.o	1.3	51	47	-
	Scilly	30.37	48	WSW	3	c	30.25	−.17	50	46	+5	SSW	4	o	2	c	1.4	53	47	-
	Prawle Point ...	30.41	47	W	2	c	30.31	−.15	48	44	+9	SW	2	o	1	c	*	50	39	-
	Jersey (St. Aubin's)	30.41	42	L	0	bm	30.34	−.11	45	44	+8	WSW	2	bcmw	2	bc.bm	*	52	36	-
	Hurst Castle ...	30.38	42	WSW	1	bm	30.30	−.15	45	43	+13	W	2	cm	1	b	*	48	31	-
	Dungeness ...	30.34	39	NW	1	bc	30.23	−.16	43	41	+13	W	4	c	3	b.bc	*	50	29	-
	North Foreland	30.36	40	W	2	c	30.24	−.17	41	39	+8	SW	3	o	2	c	*	46	38	-
	London (Brixton) ...	30.36	39	WSW	1	b	30.27	−.17	41	39	+10	W	2	o	*	bc.b	0.3	46	31	-
	Oxford	30.35	39	WSW	1	b	30.25	−.18	42	40	+10	SW	3	oq	*	b	*	46	31	-
	Cambridge ...	30.32	41	SW	2	bc	30.22	−.19	42	41	+10	SW	2	o	*	bc	4.2	48	30	-
	Yarmouth ...	30.25	42	W	2	bc	30.15	−.18	42	40	+8	W	3	c	3	bc	*	44	32	-
Germany & Holland.	Cuxhaven ...	30.12	43	WSW	3	o	29.97	−.22	43	43	+4	WSW	5	o	*	o	*	46	39	0.04
	Berlin	30.24	37	SSW	1	b	30.08	−.17	41	39	+8	SW	3	r	*	b	*	43	33	-
	Wiesbaden ...	*	*	*	*	*	30.27	−.11	34	33	0	L	0	o	*	*	*	43	32	-
	Munich... ..	30.30	38	NE	3	r	30.27	.00	31	31	−7	L	0	f	*	r	*	39	28	-
	The Helder ...	30.22	46	W	3	c	30.09		47	45		W	3	c	3	c	*	48	45	-
Belgium.	Brussels ...	*	*	*	*	*	30.28	−.15	36	35	+4	SW	2	o	*	b	*	44	31	-
	Cape Gris Nez...	30.31	47	WNW	2	bc	30.21		45	42		WNW	4	o	4	bc	*	48	39	-
	Paris	30.40	35	NNE	2	b	30.39	.00	27	27	−3	SSE	1	f	*	b	*	46	27	-
	Brest	30.43	48	SW	0	c	30.33	−.11	46	44	+2	E	1	bc	1	c	*	52	39	-
	Lorient... ...	30.49	46	NE	2	bc	30.37	−.03	41	41	−3	E	3	bc	2	bc	*	46	36	-
France &	Rochefort ...	30.38	49	ENE	3	o	30.36		37	36		ENE	3	b	*	o	*	46	34	-
	Belfort	30.27	37	E	4	c	30.30	+.05	28	27	−10	L	0	m	*	c	*	43	27	-
	Lyons	30.26	42	NNW	3	o	30.27	+.03	36	34	−5	NW	3	o	*	o	*	45	35	-
	Nice	29.94	55	L	0	b	29.96	.00	50	43	−1	L	0	b	2	b	*	64	50	-
	Perpignan ...	30.17	47	NW	3	b	30.16	+.04	45	40	+1	NW	3	b	*	b	*	51	44	-
	Biarritz ...	30.33	45	E	3	o	30.34	+.13	42	41	+1	E	3	o	2	o	*	45	41	-
Peninsula.	Corunna ...																*			
	Lisbon	30.34	49	NNE	3	b	30.35	+.09	43	41	−2	NNE	3	b	*	b	*	57	46	-
	Azores (P. Delgada)	30.14	62	NNE	5	c	30.20	+.14	61	59	−4	NNE	4	c		c	*	68	59	-

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 0.0 hrs; Eastbourne 6.6 hrs; Hastings 6.0 hrs. Brighton 6.7 hrs.

WEATHER CHARTS

FOR Wednesday, 11th November, 1896.

BAROMETER, WIND AND SEA.

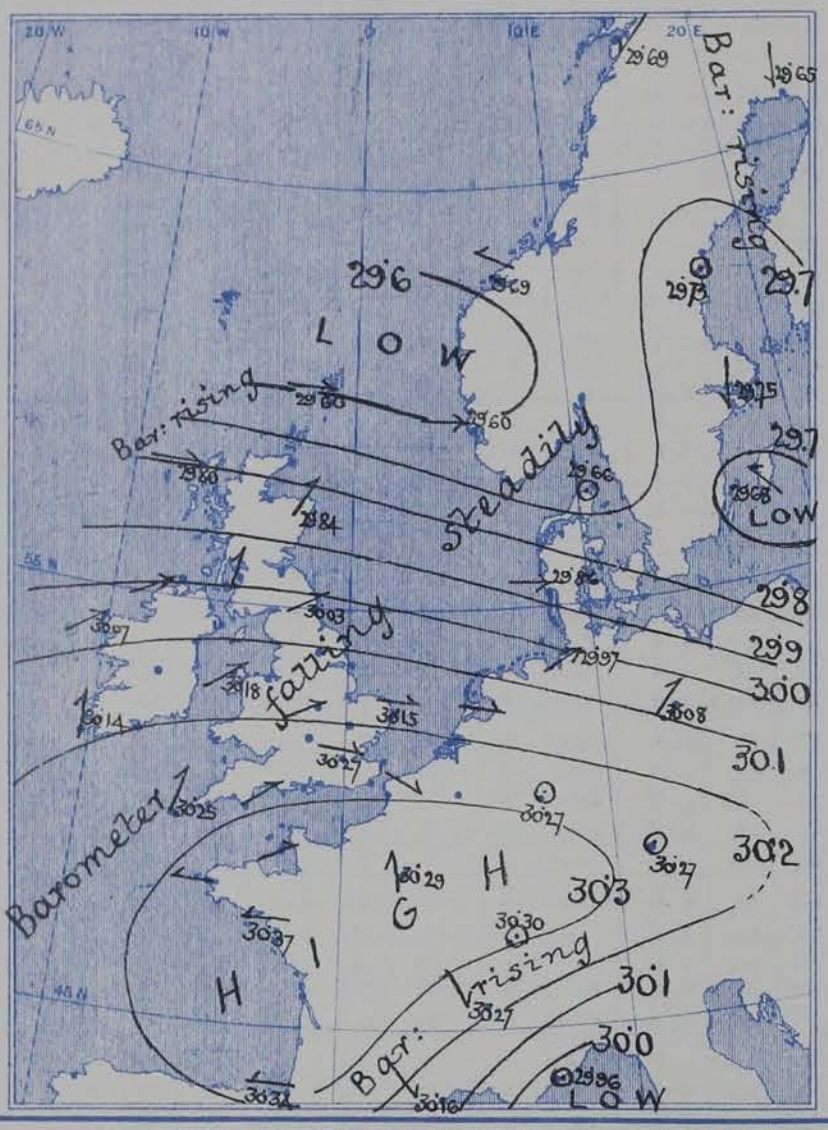
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▤



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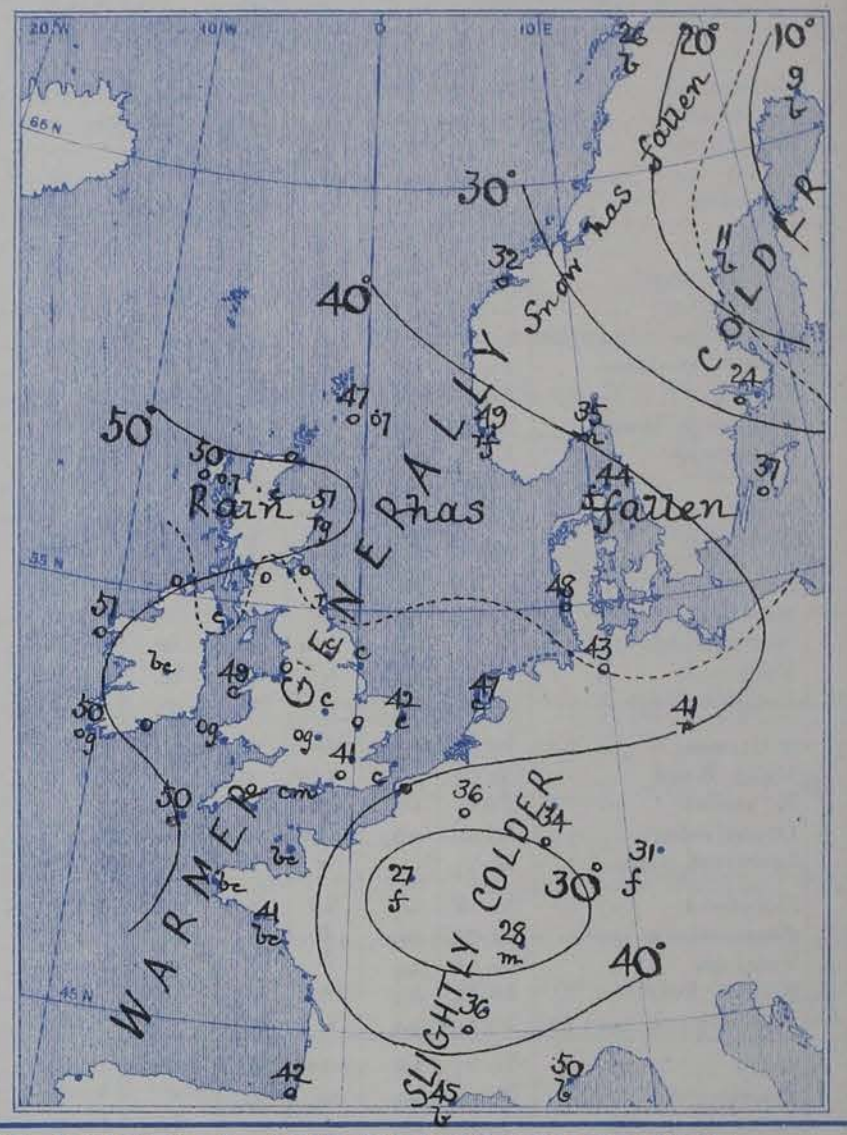

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 in an anticyclone covering France and the English Channel.
Lowest, Below 29·0 ins: over the Shetlands Islands and west of Norway, and below 29·7 ins: at Kirby.
Gradients slight to moderate in the south, rather steep over Scotland
Barometer falling except at our extreme northern stations — at Valencia the fall is decided.

TEMPERATURE

Highest, 52° to 50° at our eastern and northern stations, 47° at Shields, 48° at Vardö.
Lowest, (1) 9° at Haparanda, 11° at Hernösand, 24° at Stockholm; (2) 27° at Paris, 28° at Belfort, 31° at Munich.
It rose to about 50° in several parts of our Islands yesterday, but fell fast again at night, and frost occurred in several places.

WIND

W. to S. over the United Kingdom, W. strong, over the North Sea, but E. light in the northwest of Norway.
Over France anticyclonic airs prevail.
A strong gale from the W. was felt over the north of Scotland last night.

WEATHER

Fair over France, but hazy or foggy in places: dull over the United Kingdom, with rain at Aberdeen.
Heavy rain fell in the north of Scotland yesterday, snow in Sweden, and small quantities of rain over Scotland and the northeast of England generally. A Lunar halo was seen at Prawle Point. Bright Sunshine recorded yesterday was 6·3 hrs at York, 4·2 hrs. at Cambridge. Scarcely any in London (Westminster) or at the Irish stations.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The decided fall of the barometer at Valencia points to the advance of a new depression towards our northwest coast from the Atlantic.

FORECASTS

For the 24 hours ending at NOON on 12TH Nov.R 1896.

DISTRICTS.		FORECASTS.
↑ 0	SCOTLAND NORTH	W. and SW. winds, increasing again; dull, rainy, then squally.
↑ 1	SCOTLAND EAST	SW. breezes, freshening; rain at times.
2	ENGLAND N.E.	
3	ENGLAND EAST	W. and SW. winds; changeable, some rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
↑ 6	SCOTLAND WEST	Same as No. 0
7	ENGLAND N.W.	SW. winds, freshening; showery.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as No. 0.
10	IRELAND SOUTH	SW. and S. winds, strong; showery.
	WARNINGS	The SOUTH CONE is still flying in districts 0. 1. and 6.

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 ...	29·73	49	49	NNW	8	r	5
Sumburgh Head	29·60	49	49	W	4	r	4
Stornoway ...	29·88	50	50	W	6	r	6
Aberdeen	29·92	51	46	SW	4	o q r	2
Shields	30·14	46	42	SW	3	o	2
Ardrossan	30·14	48	48	SW	4	o	3
Malin Head ...	30·13	48	46	S	5	o	3
Belmullet	30·20	50	48	WSW	4	o	*
Holyhead	30·32	46	43	SW	3	c q m	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·29	56	46	S	4	o q	4
Scilly	30·40	49	45	SSW	3	c	1
Jersey	30·44	51	47	SE	1	bc	1
Hurst Castle ...	30·41	47	43	SW	1	bcm	0
Dungeness ...	30·36	49	44	WNW	2	b	1
North Foreland	30·39	45	40	W	2	c	1
London (Westminster)	30·38	47	41	SW	1	bc	*
Yarmouth ...	30·29	44	41	W	3	bc	3
Rochefort ...	30·36	42	41	ENE	4	o	*

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

Weather in morning fine over the greater part of England, France, Spain and many parts of Central Europe, dull & unsettled elsewhere, with rain or snow at many of the northern stations, and rain at Cagliari and Hermanstadt. Considerable rain falling in the north of Scotland later, snow over Scandinavia, and small quantities of rain in the west and south of Scotland and the north of Ireland. Lunar halo seen at Prawle Pt.

Temperature risen decidedly over Ireland and Scotland, fallen over France and the south of England. Morning readings highest 68° at Athens, 63° at Brindisi, 59° at Lesina, 51° at Nice; 50° to 40° at the Scotch stations. Lowest 12° at Uleaborg, 13° at Haparanda and Archangel, 17° at Moscow; 30° at Paris and Le Mans, 31° in London, 32° at Cambridge and Brussels. Rising later to between 50° and 53° over all the northern and western parts of the British Islands, to 52° at Brest, and to 64° at Nice. Succeeding night cold over England and France.

Wind Moderate to light from the NE. and N. over Spain, France and Western Austria; W. to NW. over the northern countries generally, and blowing strongly from the latter point over the Baltic. Anticyclonic airs reported over the south of England and north of France. Blowing a gale from the W. in the north of Scotland and southwest of Norway later, very little change over England and France.

Barometer highest 30·4 in. and more to 30·2 in. in an anticyclone covering Iceland, England, France, Germany, and Spain, with the neighbouring parts of the Atlantic. Lowest (1) 29·4 in. and less, over Lapland and below 29·5 in. in a secondary disturbance over the Gulf of Finland; (2) below 29·7 in. over the Shetland Islands; (3) below 29·9 in. in a complex disturbance over the eastern part of the Mediterranean and the Adriatic. The depression over the Shetlands moving eastwards later, and barometer falling slightly all over the United Kingdom

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 12th November, 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 ...	29·71	−5	NE	0	b	29·73	+ ·08	−8	−?	− 17	NE	0	b	*	b	*	16	−8	—
	Hernösand ...	29·76	11	NE	0	b	29·94	+ ·21	14	12	+ 3	NW	2	b	*	b	*	27	10	—
	Stockholm ...	29·63	31	NE	2	o	29·89	+ ·14	25	23	+ 1	NNE	4	b	*	o	*	34	23	0·16
	Wisby	29·45	33	SE	8	s	29·82	+ ·14	31	29	− 6	ENE	4	bc	*	s	*	39	31	0·43
	Karlstad ...	29·66	27	NNE	4	s	30·01	+ ·28	18	18	− 13	N	2	b	*	s	*	*	*	0·35
	Bodö	29·79	22	E	4	s	29·82	+ ·13	33	30	+ 7	NW	6	s	3	s	*	33	18	—
	Christiansund ...	29·87	33	NE	0	b	30·03	+ ·34	31	30	− 1	ESE	2	b	3	b	*	36	30	—
	Skudesnaes ...	29·72	41	N	6	b	30·02	+ ·42	37	34	− 12	E	4	bc	2	o, b	*	50	34	*
	Færder (Christiania Fjord)	29·67	33	NE	4	o	30·04	+ ·37	32	28	− 3	N	4	b	2	o	*	36	30	0·16
	Skagen (The Scaw)	29·66	38	NNE	4	o	30·00	+ ·34	35	?	− 9	ENE	2	c	0	o	*	48	35	0·16
	Fanö	29·73	48	W	6	o	29·96	+ ·10	36	34	− 12	NNE	2	b	*	o	*	48	36	0·04
	Sumburgh Head	29·87	41	NE	2	o	29·94	+ ·34	42	38	− 5	SE	3	o	4	o	*	48	37	0·02
	Stornoway ...	29·87	51	WNW	3	rm	29·86	+ ·06	49	49	− 1	S	2	o	2	p, o, r	0·0	52	47	0·20
	Wick	29·87	50	W	2	r	29·88	+ ·15	47	47	− 3	W	3	orm	3	r	*	52	42	0·25
	Nairn	29·86	52	WSW	1	c	29·88	+ ·07	50	50	− 2	W	1	r	1	c	*	55	48	0·03
	Aberdeen ...	29·89	53	WNW	3	og	29·94	+ ·10	47	47	− 4	SSE	2	ofd	3	c, og, p	0·7	56	46	0·16
British Isles.	Leith	29·94	51	W	3	o	29·95	·00	50	49	+ 2	WSW	3	orm	*	o	*	52	47	0·01
	Shields	29·95	49	WSW	3	o	29·97	− ·06	49	48	+ 2	W	2	o	2	r, o	*	50	46	0·09
	Spurn Head ...	29·99	47	WSW	4	cm	29·99	− ·11	45	45	+ 3	W	2	f	2	cm	*	48	42	—
	York	? 30·04	50	WSW	2	c	30·00	− ·08	48	47	0	WSW	1	o	*	c	?	50	46	—
	Loughborough ...	30·11	45	WSW	2	c	30·05	− ·13	43	42	− 1	W	1	cmw	*	c, bc, cm	*	53	43	—
	Ardrossan ...	29·99	51	SW	3	op	29·94	− ·05	49	49	− 1	SW	4	o	3	op	*	51	49	0·03
	Malin Head ...	29·99	50	SW	4	om	29·93	− ·06	44	44	− 6	S	2	o	1	om	*	50	44	—
	Belmullet ...	? 29·98	49	SSW	2	o	29·91	− ·16	45	44	− 6	WSW	2	c	*	c, o	*	51	40	—
	Donaghadee ...	30·05	50	WSW	3	c	29·99	− ·09	43	43	− 4	WSW	3	o	1	c	*	52	41	—
	Liverpool (Bidston)	30·10	45	WSW	2	c	30·03	− ·12	42	40	− 5	S	1	b	1	c	*	50	42	—
	Holyhead ...	30·11	50	SW	2	c	30·02	− ·16	47	46	− 2	S	2	of	1	c	*	51	45	—
	Parsonstown ...	30·06	48	S	1	o	? 29·97	− ·18	48	47	+ 5	SE	1	o	*	o	0·0	52	42	—
	Valencia ...	30·00	50	SSE	4	og	29·84	− ·30	53	51	+ 3	SE	3	og	3	og	0·0	53	49	—
	Roche's Point ..	30·08	49	S	3	o	29·91	− ·30	50	50	0	SSE	5	rm	4	o	*	51	49	—
	Pembroke (St. Ann's Hd.)	30·14	50	WSW	4	o	29·98	− ·26	50	48	− 1	S	4	og	4	o	0·0	51	49	—
	Scilly	30·12	50	SSE	5	om	29·90	− ·35	53	52	+ 3	SSE	5	om	4	o, om	0·0	53	46	—
	Prawle Point ...	30·15	48	SSW	3	o	30·03	− ·28	48	46	0	SE	4	o	3	o	*	49	43	—
	Jersey (St. Aubin's)	30·25	46	SE	1	bm	30·09	− ·25	46	44	+ 1	SE	3	ogm	3	og, bm	*	51	45	—
	Hurst Castle ...	30·20	48	WSW	2	om	30·07	− ·23	44	42	− 1	ENE	1	cm	1	ogm	*	50	42	—
	Dungeness ...	30·15	47	W	4	c	30·07	− ·16	44	42	+ 1	W	2	o	2	c	*	48	42	—
	North Foreland	30·16	46	SW	3	o	30·08	− ·16	43	41	+ 2	W	2	o	2	o	*	49	40	—
	London (Brixton) ...	30·17	46	SW	2	o	30·09	− ·18	41	40	0	SW	1	o	*	o	0·0	49	40	—
	Oxford	30·15	45	SW	2	o	30·07	− ·18	43	41	+ 1	SSW	1	c	*	og	*	49	42	—
	Cambridge ...	30·13	45	SW	2	o	30·07	− ·15	40	40	− 2	SW	1	om	*	o	0·0	49	38	—
	Yarmouth ...	30·07	44	WSW	3	bc	30·04	− ·11	42	41	0	W	3	f	2	bc	*	48	39	—
Germany & Holland.	Cuxhaven ...	29·89	43	W	5	o	29·93	− ·04	42	41	− 1	N	2	b	*	o, r	*	48	41	0·04
	Berlin	29·94	43	W	4	r	29·82	− ·26	44	43	+ 3	NW	4	r	*	r	*	45	41	0·04
	Wiesbaden ...	*	*	*	*	*	30·07	− ·20	43	41	+ 9	W	3	o	*	*	*	43	34	—
	Munich	30·17	37	W	3	o	30·11	− ·16	37	35	+ 6	SW	4	o	*	o	*	37	31	—
	The Helder ...	30·00	48	WNW	3	bc	30·00	− ·09	48	47	+ 1	NW	1	m	1	bc	*	48	46	—
Belgium.	Brussels ...	*	*	*	*	*	30·12	− ·16	41	40	+ 5	SW	2	c	*	o	*	44	35	—
	Cape Gris Nez ...	30·12	47	WNW	5	o	30·06	− ·15	48	48	+ 3	W	1	o	1	o	*	48	43	—
	Paris	30·36	42	WNW	1	o	30·16	− ·23	39	38	+ 12	E	1	m	*	o	*	46	27	—
	Brest	30·21	50	S	3	c	29·97	− ·36	50	48	+ 4	SSE	4	c	4	c	*	50	43	—
	Lorient	?	46	SSE	4	o	?	?	43	40	+ 2	S	4	o	2	o	*	52	37	—
France &	Rochefort ...	30·30	46	E	1	b	30·10	− ·26	40	39	+ 3	ESE	3	c	*	b	*	54	37	—
	Belfort	30·22	37	SSW	1	m	30·16	− ·14	32	31	+ 4	E	0	m	*	m	*	43	28	—
	Lyons	30·27	38	NNW	1	b	30·17	− ·10	35	34	− 1	N	1	b	*	b	*	47	32	—
	Nice	29·95	52	E	0	b	29·93	− ·03	48	?	− 2	E	0	b	1	b	*	61	46	—
	Perpignan ...	30·10	49	NW	4	b	30·04	− ·12	41	38	− 4	SW	2	b	*	b	*	52	39	—
	Biarritz ...	30·26	45	N	2	b	29·98	− ·36	39	37	− 3	SSE	3	c	0	b	*	48	37	—
Peninsula.	Corunna ...																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30·26	62	NNE	3	o	30·23	+ ·03	61	59	0	NE	3	o	2	o	*	66	59	—

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 0·0 hrs; Eastbourne 0·0 hrs; Hastings 0·0 hrs; Brighton 0·0 hrs.

WEATHER CHARTS

FOR ..... THURSDAY, 12TH NOVEMBER, ... 1896.

BAROMETER, WIND AND SEA.

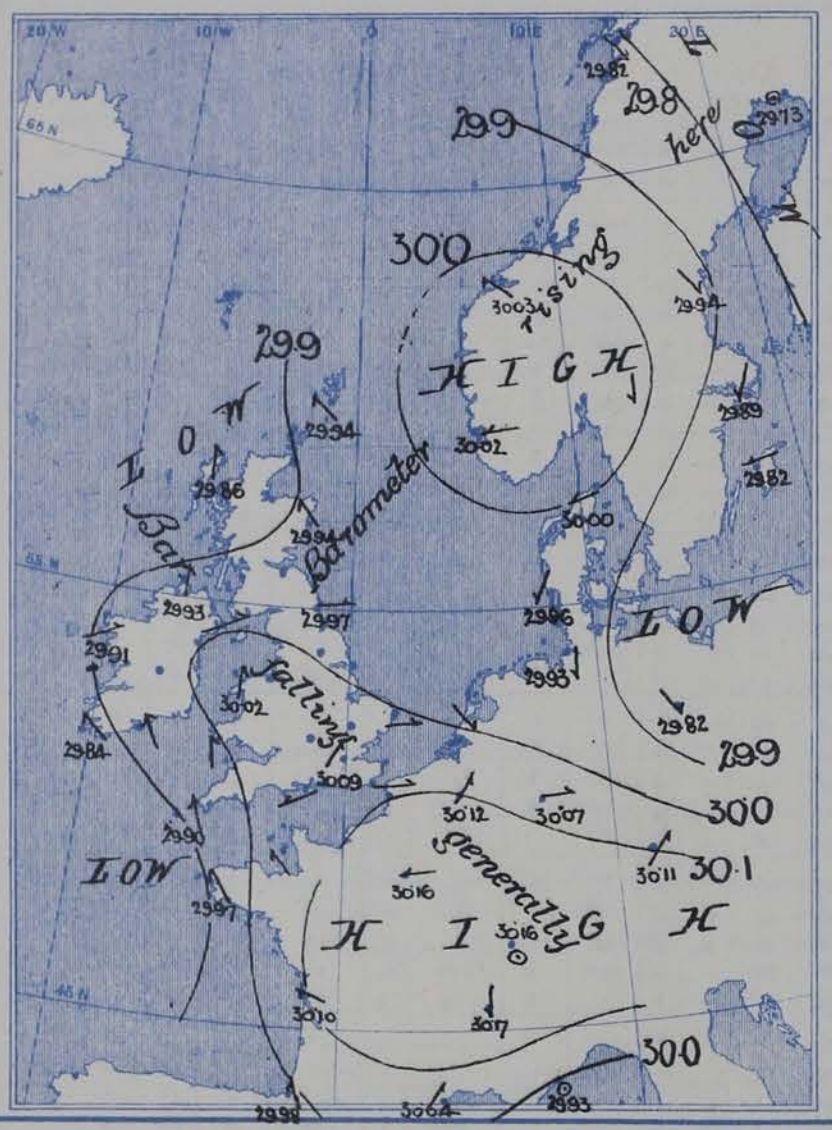
BAROMETER—Isobars are drawn for each tenth of an inch.

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

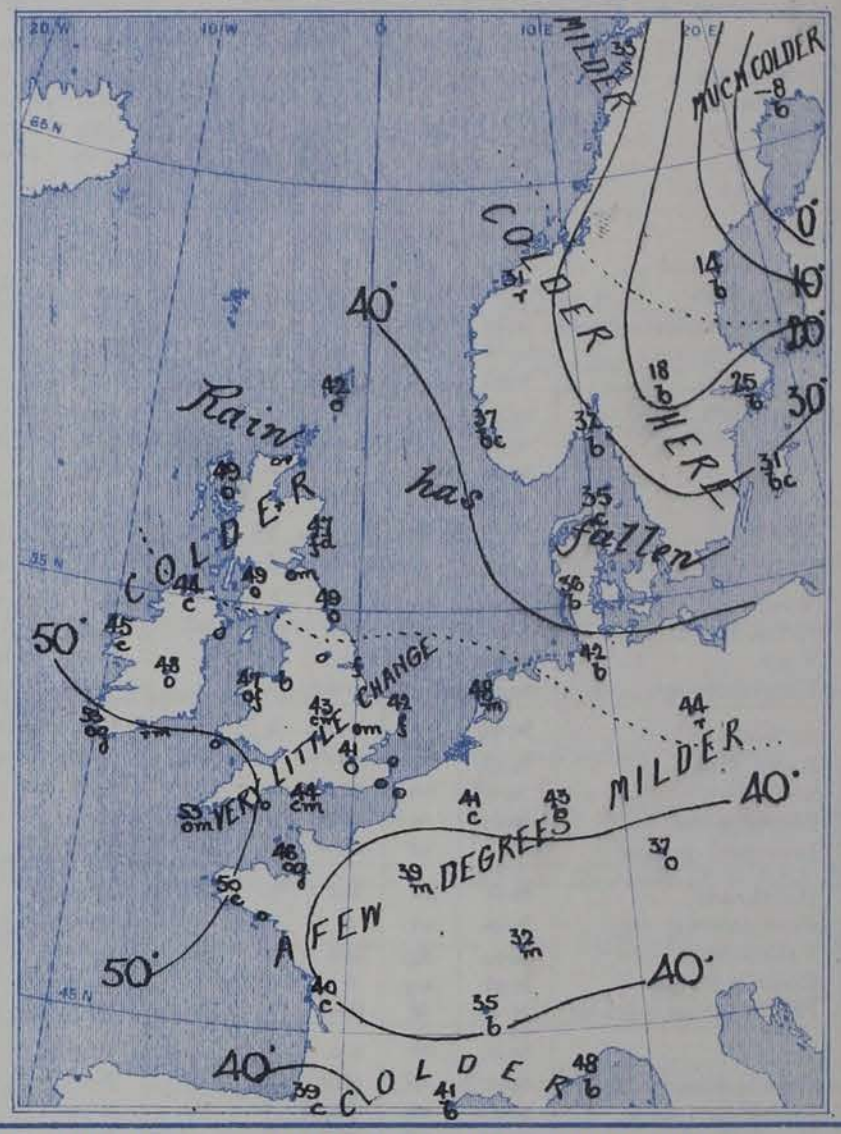


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·0	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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. over France and England, and exceeding 30.0 ins. over Norway.
Lowest Below 29.8 ins. over N. Germany, and below 29.9 ins. off our extreme SW.m coasts.
Gradients slight to moderate, and increasing over the southwest of our Islands.
Barometer falling steadily in the southwest, rising in the north.

TEMPERATURE

Highest 50° to 47° over the northern parts of our Islands, 48° at Nice.
Lowest − 8° F. at Haparanda, + 14° at Hernösand, 25° at Stockholm; 32° to 39° over the central and eastern parts of France, above 40° all over our Islands.
It was inclined to fall at our western stations.

WIND

SE.ly, and freshening over the south of Ireland, the W. of England, the Channel Islands and Brittany. Very light and variable over England, N. over the Netherlands.
It was already blowing freshly at Roche's Pt. and Scilly and appeared likely to increase.

WEATHER

Dull and unsettled over our Islands, with rain in several parts of Scotland and at Roche's Point, and fog in some localities − fine over France and Scandinavia.
Rain had again fallen in small quantities over the Nn. parts of our area, snow in Norway. Bright Sunshine recorded yesterday was 0.7 hr. at Aberdeen, none at any of the other stations.

SEA

Moderate off our SW.m coasts and at Sumburgh Hd., slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is rainlike for Ireland and England − especially for the southwestern districts.

FORECASTS

For the 24 hours ending at NOON on 13TH NOV. 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Very variable winds, weather unsettled & rainy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SE.ly winds, dull and gloomy, then rainy.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 to 2.
7	ENGLAND N.W.	SE.ly winds, gloomy, misty, rainy.
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	49	47	NNW	7	o	4
Sumburgh Head	29.76	42	41	NE	3	o	4
Stornoway	29.85	52	51	W	3	o	3
Aberdeen	29.83	55	51	W	3	c	2
Shields	29.99	49	48	WSW	3	o	2
Ardrossan	29.99	50	50	SW	4	o	3
Malin Head ...	29.99	50	50	WSW	6	o	3
Belmullet	30.05	51	50	SSE	2	c	*
Holyhead	30.14	51	49	SW	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.06	51	49	S	3	og	4
Scilly	30.19	50	47	S	4	o	2
Jersey	30.29	50	46	SW	3	og	3
Hurst Castle ...	30.24	50	47	SW	2	ogm	2
Dungeness ...	30.18	48	44	W	4	c	3
North Foreland	30.19	48	45	SW	3	o	2
London (Westminster)	30.19	51	46	WSW	2	o	*
Yarmouth ...	30.09	47	45	W	3	bc	3
Rochefort ...	30.34	50	46	ENE	1	b	*

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

Weather in morning fine and bright over Spain the W. of France and many parts of central Europe, as well as over Finland, Lapland and the N. of Sweden; cloudy or overcast in the United Kingdom, rainy at Aberdeen and Skudesnaes, and foggy at some of the French stations. Some rain falling later over the N^W. parts of the British Isles and in N. Germany, snow in Sweden and Norway; sky thickly overcast over the British Isles.

Temperature risen decidedly over England and Ireland, as well as in many parts of N. Germany. Morning reading highest (a) 68° at Athens, 66° at Malta, 64° at Brindisi, 54° at Leghorn; (b) 52° to 50° at most of our extreme W^n. and N^n. stations. Lowest (a) 9° at Haparanda, 11° at Hernösand, 17° at Archangel, and 23° at Moscow, 27° at Kharkov; (b) 27° at Paris, 28° at Belfort, 30° at Limoges, 31° at Munich. Rising to between 56° and 50° over the greater part of our Islands later, and to between 50° and 54° in the NW. of France, and to 61° at Nice.

Wind: S^h to W.^ly over the British Isles, moderate to strong in force, W.^ly over the North Sea and N. Germany, and blowing rather strongly in several places; NE. to NW.^ly over S^n. Europe and the Mediterranean and N. of the Adriatic, but SE.^ly and light at Brindisi and Patras; nearly calm over Spain, W^n. and central France. Backing to S. or SSE. at many of our W^n. stations later, little change elsewhere.

Barometer highest 30.3 ins. and more over Spain, the Bay of Biscay and France and apparently over the E^n. part of the Black Sea also, and exceeding 30.2 ins. in a band or 'col' uniting these two areas and lying over the S^n. parts of Germany and Austria. Lowest 29.2 ins. and less over the White Sea, 29.6 ins. and less between the Shetlands Islands and Norway, and 30.0 ins. to 29.8 ins. and less in a complex depression covering the E^n. part of the Mediterranean, Italy and the Adriatic. Rising over Scandinavia during the day, falling 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.

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 13th November, 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 ...	29.84	1	NW	9	b	30.02	+.29	-3	-3	+5	NW	0	m	*	b	*	0	-9	-
	Hernösand ...	29.99	19	NW	0	b	30.05	+.11	21	19	+7	NW	0	b	*	b	*	28	10	-
	Stockholm ...	30.10	20	NW	0	b	30.11	+.22	21	20	-4	W	2	b	*	b	*	30	18	-
	Wisby	30.11	32	N	4	bc	30.14	+.32	32	29	+1	N	6	r	*	bc	*	34	27	0.08
	Karlstad ...	30.17	15	N	2	b	30.13	+.12	5	5	-13	N	1	b	*	b	*	*	*	-
	Bodö	29.89	32	NE	2	bc	29.91	+.09	26	23	-7	E	4	bc	1	bc	*	34	23	0.32
	Christiansund ...	30.01	37	E	2	c	29.83	-.20	38	35	+7	SE	4	o	3	c	*	38	31	-
	Skudesnaes ...	30.08	39	SSE	6	o	29.95	-.07	39	38	+2	SE	8	r	5	c.o	*	39	34	*
	Færder (Christiania Fjord)	30.17	30	NE	1	b	30.08	+.04	37	33	+5	WSW	2	bc	2	bc	*	?	28	-
	Skagen (The Scaw)	30.18	33	NW	0	b	30.14	+.14	31	29	-4	W	1	bc	0	b	*	36	28	-
	Fanö	30.13	36	NE	2	c	30.09	+.13	34	33	-2	E	2	c	*	c	*	44	34	-
	Sumburgh Head	29.79	45	S	3	r	29.52	-.40	46	45	+4	S	3	o	5	r	*	46	39	0.22
	Stornoway ...	29.73	48	SSW	4	o	29.40	-.46	50	50	+1	SSW	6	o	4	o	0.0	50	48	0.10
	Wick	29.80	48	S	2	o	29.52	-.36	48	48	+1	S	4	ou	3	o	*	49	45	0.02
	Nairn	29.79	47	W	1	c	29.50	-.38	50	47	0	SSW	2	c	1	c	*	52	44	0.02
	Aberdeen ...	29.86	47	S	3	ogm	29.65	-.29	45	43	-2	S	3	og	3	rgf.ogm	0.0	49	44	0.02
	Leith	29.89	51	WSW	2	b	29.68	-.27	47	44	-3	S	2	c	*	b	*	52	45	-
	Shields	29.94	50	NW	0	o	29.77	-.20	42	41	-7	SSW	3	o	2	d.o	*	52	41	-
	Spurn Head ...	29.97	45	SW	2	f	29.89	-.10	39	39	-6	S	3	cm	3	o.f	*	46	38	-
	York	29.96	49	WSW	1	o	29.84	-.16	40	39	-8	S	1	c	*	o	0.0	51	39	-
	Loughborough ...	30.00	39	S	1	c	29.92	-.13	34	34	-9	SE	1	bcmw	*	bc.om.c	*	52	34	-
British Islands.	Ardrossan ...	29.88	49	S	2	o	29.59	-.35	48	48	-1	SE	5	opm	4	o	*	49	47	-
	Malin Head ...	29.77	50	SSE	4	o	29.45	-.48	48	48	+4	S	4	or	4	o	*	50	44	0.02
	Belmullet ...	29.75	51	SSW	3	o	29.54	-.37	48	47	+3	WNW	2	o	*	o	*	51	42	0.23
	Donaghadee ...	29.89	48	WSW	3	o	29.62	-.37	50	50	+7	SSW	5	o	3	o	*	52	42	0.01
	Liverpool (Bidston)	29.97	46	SSE	1	o	29.81	-.22	38	37	-4	SE	3	c	2	om	*	50	38	-
	Holyhead ...	29.93	48	S	2	bcm	29.74	-.28	47	45	0	S	5	ogm	4	om.bcm	*	49	44	-
	Parsonstown ...	29.83	51	SE	2	o	29.61	-.36	49	48	+1	SW	0	r	*	o.d	0.3	53	47	0.04
	Valencia ...	29.80	49	SSE	2	bc	29.70	-.14	50	48	-3	WSW	3	c	4	og.bc	0.5	55	47	0.19
	Roche's Point ...	29.86	50	SSE	5	rm	29.68	-.23	50	50	0	SSW	5	r	4	r	*	51	49	0.15
	Pembroke (St. Ann's Hd.)	29.93	50	S	3	bc	29.77	-.21	50	49	0	SSW	5	og	4	bc	2.6	52	48	-
	Scilly	29.87	52	SE	4	c	29.78	-.12	52	52	-1	S	4	omr	4	c	1.5	53	49	-
	Prawle Point ...	29.96	48	ESE	4	c	29.88	-.15	47	45	-1	SE	3	c	2	c	*	50	44	-
	Jersey (St Aubin's)	30.00	47	ESE	3	c	29.94	-.15	45	43	-1	SSE	4	bm	3	cgm.cw	*	49	44	-
	Hurst Castle ...	30.00	44	ESE	1	c	29.93	-.14	47	45	+3	SSW	3	c	2	c	*	49	42	-
	Dungeness ...	30.02	47	SSW	2	o	29.94	-.13	47	45	+3	SSW	3	o	2	c.o	*	49	43	-
	North Foreland	30.05	45	S	1	c	29.93	-.15	45	43	+2	S	3	o	2	c	*	50	40	-
	London (Brixton) ...	30.02	46	SW	1	c	29.96	-.13	34	33	-7	S	1	cf	*	o.c.b	0.0	51	33	-
	Oxford	30.01	44	S	1	o	29.94	-.13	38	37	-5	SSE	1	cf	*	c	*	50	36	-
	Cambridge ...	30.02	43	SW	1	om	29.96	-.11	34	34	-6	S	1	bcm	*	om	0.3	51	32	-
	Yarmouth ...	30.01	46	SW	1	bc	29.96	-.08	43	42	+1	SW	2	f	2	bc	*	49	40	-
Germany & Holland.	Cuxhaven ...	30.06	38	NE	1	b	30.06	+.13	33	33	-9	SSE	1	b	*	bm	*	42	32	-
	Berlin	30.10	39	NE	3	b	30.15	+.33	35	35	-9	ESE	1	o	*	b	*	46	34	0.04
	Wiesbaden ...	*	*	*	*	*	30.04	-.03	45	44	+2	W	0	o	*	*	*	46	43	-
	Munich... ..	30.07	40	W	0	r	30.03	-.08	38	38	+1	E	3	o	*	r	*	43	37	0.04
	The Helder ...	30.03	46	ESE	1	o	29.98	-.02	44	43	-4	SSE	1	f	1	o	*	48	43	0.04
Belgium.	Brussels ...	*	*	*	*	*	30.02	-.10	45	43	+4	ESE	1	o	*	b	*	48	40	-
	Cape Gris Nez...	30.01	45	NW	0	o	29.94	-.12	42	40	-6	SE	2	m	1	o	*	50	41	-
	Paris	30.08	40	NE	1	b	29.99	-.17	31	31	-8	NNE	1	f	*	b	*	44	31	-
	Brest	29.88	48	ESE	4	c	29.93	-.04	46	45	-4	ESE	1	o	3	c	*	52	41	-
	Lorient... ...	29.95	44	SE	5	o	29.91	?	45	41	+2	E	4	o	4	o	*	50	41	-
France &	Rochefort ...	29.99	45	SE	3	o	29.94	-.16	45	45	+5	SE	3	c	*	o	*	48	40	0.04
	Belfort	30.04	37	E	3	b	29.97	-.19	34	34	+2	E	2	f	*	b	*	47	32	-
	Lyons	30.05	37	N	1	b	30.00	-.17	32	32	-3	N	1	m	*	b	*	46	31	-
	Nice	29.89	50	W	0	b	29.94	+.01	45	43	-3	NE	4	c	2	b	*	61	43	-
	Perpignan ...	29.93	49	W	0	c	29.92	-.12	52	46	+11	NW	2	o	*	c	*	61	41	-
	Biarritz ...	29.96	52	S	3	o	29.96	-.02	53	50	+14	SW	5	r	5	o	*	55	39	0.08
Peninsula.	Corunna ...																*			
	Lisbon	30.20	50	NW	3	o	30.22	-.03	56	54	+4	NNW	3	o	*	o	*	61	52	0.04
	Azores (P. Delgada)	30.22	64	S	4	c	30.22	-.01	64	62	+3	S	4	o	3	c	*	66	63	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 1.0 hrs; Eastbourne 3.7 hrs; Hastings 1.1 hrs. Brighton 3.5 hrs.

WEATHER CHARTS

FOR Friday, 13th November 1896.

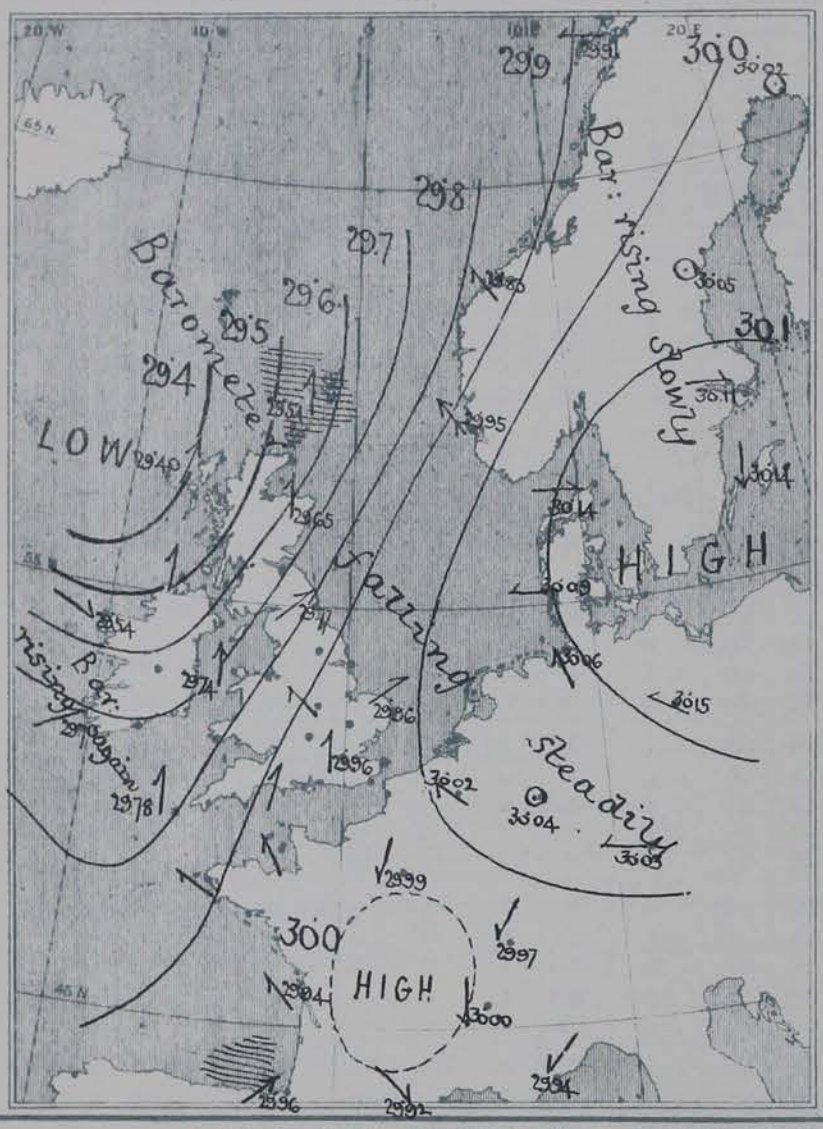
BAROMETER, WIND AND SEA.

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 ▩

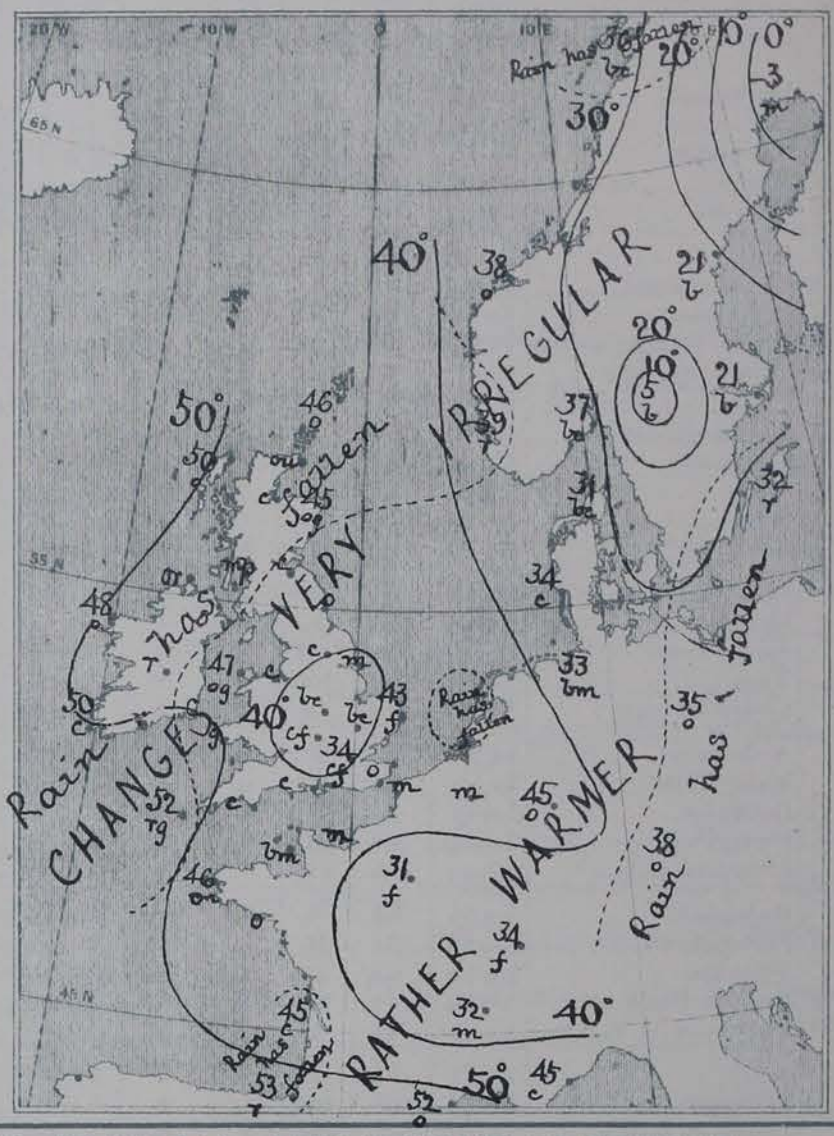


TEMPERATURE & WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·919	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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: over Sweden, Germany, and France.
Lowest, Below 29·4 ins: off the extreme northwest of Scotland.
Gradients rather steep over Scotland and the Shetland Isles, slight over the eastern and southern parts of our area.
Barometer falling over the greater part of our Islands, rising over the countries lying to the eastward of the North Sea, and has begun to rise again on the south of Ireland.

TEMPERATURE

Highest, 50° to 48° at the Irish and most of the Scotch stations, 53° at Biarritz, 52° at Perpignan.
Lowest, (1) 3° F. at Haparanda, +5° at Karlstad, and considerably below the freezing point at the Swedish stations generally.
Sharp frost occurred over our midland and southeastern counties early this morning.

WIND

S. light to fresh over Great Britain and the east of Ireland.
W. light, over the extreme west of Ireland; SE. to E. on the west of Norway.
Over the Continent generally it is very light and variable.

WEATHER

Dull and gloomy in the west and north of the British Islands, with rain in places, and an ugly appearance at West; fair over the Continent and England, but foggy in several places.
Rain has fallen over Scotland and Ireland, but in small quantities, and showers locally in parts of Germany and France.
Bright Sunshine recorded yesterday was about 3 hrs on our south coast, less in the east and west, and none in the north nor in London.

SEA

Moderate in the west, smooth off our southeast coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable weather is probable — some showers, with intervals of fair weather, and variable winds

FORECASTS

For the 24 hours ending at NOON on 14th Nov. 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. and W. winds, strong; showery.
1	SCOTLAND EAST	S. winds; fair to rather showery.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as Nos 1 and 2.
5	ENGLAND SOUTH	S. and SW. breezes, light; fair at first, perhaps slight showers later.
6	SCOTLAND WEST	Varying SW. to NW. breezes; some rain then finer and colder.
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 ...	30·10	39	36	S	6	0	4
Sumburgh Head	29·85	43	43	SSE	8	r	5
Stornoway	29·81	49	49	SW	4	0	4
Aberdeen	29·89	48	48	SSE	1	ogrf	3
Shields	29·95	51	49	W	2	0	2
Ardrossan	29·91	49	49	S	2	0	2
Malin Head ...	29·84	50	49	S	3	0	2
Belmullet	29·86	51	50	SSW	2	0	*
Holyhead	29·97	49	47	S	2	om	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·81	54	52	SSE	2	og	3
Scilly	29·87	53	51	ESE	4	c	4
Jersey	30·09	49	45	SSE	4	c	3
Hurst Castle ...	30·02	48	45	SSW	1	c	1
Dungeness ...	30·03	48	46	SSE	1	c	0
North Foreland	30·06	50	46	W	1	c	1
London (Westminster)	30·04	51	46	W	2	cm	*
Yarmouth ...	30·02	49	46	W	2	bc	2
Rochefort ...	30·04	46	45	ESE	3	o	*

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

Weather in morning fine and bright over Lapland, Sweden, the eastern shores of the North Sea, as well as over many parts of France; very dull over the British Islands, with rain at some of the northern and western stations, dull and raining over Central Europe. Rain falling later over the northwest of Norway, Scotland and Ireland, and local showers in some parts of France and Germany; weather remaining fair but cloudy over England, clearing over France.

Temperature risen decidedly over Central Europe and France. Morning readings highest 68° at Athens, 63° at Malta, 54° at Barcelona; exceeding 50° at many of the coast stations in the extreme west of Spain, France, and the British Isles. Lowest −8° F. at Haparanda, +14° at Hernosand and St Petersburg, and much below the freezing point over northern Europe generally; 32° at Belfort and Le Mans, 35° at Lyons. Rising later to between 50° and 55° in many parts of our Islands and touching 61° at Nice and Perpignan.

Wind light and anticyclonic over Spain, France, the North Sea and Norway; SE 3 (cyclonic) over Brittany and over our southwest coasts, NW 3 over Northern Europe. Two separate cyclonic circulations observed, — one over the eastern provinces of Germany and western Russia the other over the Adriatic and Italy. Wind becoming more S 3 over the western parts of the United Kingdom later.

Barometer highest 30·2 in: and more over the southern half of Spain and Morocco, and exceeding 30·0 in: over the whole of France and the greater part of Norway and England. Lowest, Below 29·4 in: over the north of Russia; below 29·5 in: over the northeast of Germany and west of Russia; below 29·8 in: over Italy, the Adriatic, and southeastern Europe, and below 29·9 in: to the southwestward of the British Islands. Falling later at over western and northern stations generally.

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, 14th November, 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 ...	30·14	9	L	0	0	29·99	-·03	25	25	+ 28	S	2	b	#	0	#	25	-11	-
	Hernösand ...	30·08	34	SE	4	0	29·98	-·07	34	32	+ 13	S	6	*	#	0	#	34	16	-
	Stockholm ...	30·16	22	L	0	b	30·19	+·08	27	26	+ 6	S	2	0	#	b	#	28	18	-
	Wisby	30·20	27	NNW	4	b	30·24	+·10	29	28	- 3	SSE	4	bc	#	b	#	34	21	-
	Karlstad ...	29·65	41	NW	2	0	30·05	-·08	35	34	+ 30	SSE	2	0	#	S	#	#	#	-
	Bodö	29·74	28	E	6	0	29·58	-·33	35	31	+ 9	E	6	0	2	0	#	?	23	-
	Christiansund ...	29·65	41	NW	2	0	29·52	-·31	44	41	+ 6	S	4	0	3	0	#	44	37	0·04
	Skudesnaes ...	29·78	43	SSE	8	0	29·71	-·24	48	48	+ 9	S	6	gf	6	r.0	#	48	39	#
	Færder (Christiania Fjord)	30·02	40	S	2	0	29·95	-·13	42	39	+ 5	SSE	4	0	3	0	#	42	37	-
	Skagen (The Scaw)	30·07	40	SW	3	0	29·99	-·15	42	40	+ 11	SSW	4	0	1	0	#	42	30	-
	Fano	30·00	35	SE	4	c	29·93	-·16	33	33	- 1	SE	4	m	#	c	#	35	32	-
	Sumburgh Head	29·39	46	S	4	r	29·46	-·08	45	43	- 1	S	2	0	4	0,r	#	48	43	0·22
	Stornoway ...	29·46	45	W	3	0	29·32	-·08	47	46	- 3	SSW	6	0	6	r.0	0·2	50	40	0·20
	Wick	29·37	45	S	6	r	29·43	-·09	43	42	- 5	S	3	c	3	r	#	49	38	0·10
	Nairn	29·47	47	W	2	c	29·44	-·06	42	40	- 8	W	1	bc	1	c	#	50	37	-
	Aberdeen ...	29·51	46	SSW	5	ogqlp	29·55	-·10	41	39	- 4	SW	3	bc	3	ggr.qlp	0·0	47	35	0·01
British Islands.	Leith	29·56	46	SSW	3	0	29·57	-·11	43	41	- 4	S	2	b	*	0	#	49	41	0·01
	Shields	29·65	44	SSW	3	r	29·66	-·11	41	40	- 1	SSW	2	bcm	2	c,r	#	45	39	0·01
	Spurn Head ...	29·77	44	S	4	0	29·76	-·13	38	37	- 1	SSW	1	bw	2	bc.pm	#	46	36	0·01
	York	29·73	44	ESE	2	r	29·74	-·10	33	32	- 7	S	1	r	#	r	0·4	45	31	0·08
	Loughborough ...	29·81	44	S	3	r	29·80	-·12	37	37	+ 3	SE	1	fogbr	#	c.op.m,f	#	52	34	0·02
	Ardrossan ...	29·60	49	WSW	3	c	29·46	-·13	47	47	- 1	SSE	5	om	4	r.c	#	50	45	0·19
	Malin Head ...	29·60	46	S	4	bc	29·22	-·23	43	42	- 5	SE	6	0g	3	bc	#	45	42	0·02
	Belmullet ...	29·69	47	W	3	c	29·14	-·40	45	48	+ 1	WSW	3	o	*	bc, c,r	#	49	44	0·61
	Donaghadee ...	29·68	43	WSW	4	b	29·50	-·12	46	45	- 4	SSW	6	c	4	b	#	50	39	0·10
	Liverpool (Bidston)	29·74	46	SW	3	c	29·71	-·10	38	36	0	ESE	2	b	2	m.cp	#	47	37	0·05
	Holyhead ...	29·76	48	SW	3	bc	29·62	-·12	48	46	+ 1	S	4	c	3	rqm.bc	#	50	44	0·31
	Parsonstown ...	29·78	42	SE	1	0	29·40	-·21	46	45	- 3	SSE	3	rq	*	bc, oa	4·0	51	40	0·08
	Valencia ...	29·83	47	WSW	3	bc	29·34	-·36	49	48	- 1	S	5	r	5	bv, bc, r	5·3	53	44	0·73
	Roche's Point ..	29·83	46	NNW	3	b	29·43	-·25	49	49	- 1	SSW	8	r	5	b	#	53	41	0·40
	Pembroke (St. Ann's Hd.)	29·80	51	NNW	4	b	29·67	-·10	50	48	0	SW	5	ou	5	o,b	0·2	52	48	0·21
	Scilly	29·84	51	NNW	4	c	29·75	-·03	51	45	- 1	SSW	5	cr	3	cp,c	0·1	54	47	0·01
	Prawle Point ...	29·83	50	WSW	3	0	29·83	-·05	47	44	0	SW	5	c	4	r,c	#	50	42	0·09
	Jersey (St. Aubin's)	29·87	50	WSW	1	ogm	29·90	-·04	45	44	0	NNW	1	bcm	1	o,r	#	51	43	0·05
	Hurst Castle ...	29·84	48	S	3	ou	29·85	-·08	42	41	- 5	NW	1	fog	1	c,rf	#	51	40	0·02
	Dungeness ...	29·88	49	S	3	c	29·81	-·13	50	50	+ 3	SSW	3	r	2	c	#	51	46	0·01
	North Foreland	29·90	47	S	3	0	29·82	-·11	47	46	+ 2	S	4	r	3	c,0	#	50	44	0·01
	London (Brixton) ...	29·87	45	SSE	2	bcm	29·83	-·13	42	42	+ 8	NW	1	fog	*	cm,o,or	0·1	50	33	0·13
	Oxford	29·86	45	SSE	2	r	29·83	-·11	36	36	- 2	SSW	1	fog	*	c,r	#	43	36	0·04
	Cambridge ...	29·85	44	S	2	om	29·82	-·14	41	41	+ 7	SW	1	fog	*	c,om	2·2	45	33	0·01
	Yarmouth ...	29·87	46	S	3	c	29·81	-·15	43	42	0	SW	2	fog	3	c	#	46	41	0·01
Germany & Holland.	Cuxhaven ...	30·01	36	SSE	1	b	29·94	-·12	32	32	- 1	SSE	2	b	*	b	#	41	30	-
	Berlin	30·15	34	SE	3	b	30·15	·00	28	26	- 7	ESE	2	b	*	b	#	41	24	-
	Wiesbaden ...	*	*	*	*	*	30·01	-·03	41	40	- 4	E	1	0	*	*	#	46	41	-
	Munich... ..	30·05	29	NE	2	b	30·08	+·05	38	32	- 5	S	1	0	*	b	#	41	24	-
	The Helder ...	29·94	41	SSE	1	c	29·86	-·12	42	41	- 2	S	1	m	1	c	#	45	41	-
Belgium.	Brussels ...	*	*	*	*	*	29·93	-·09	37	37	- 8	S	1	m	#	0	#	51	36	-
	Cape Gris Nez...	29·90	42	S	1	m	29·85	-·09	45	43	+ 3	SSW	2	m	1	m	#	50	39	-
	Paris	29·92	37	S	1	c	29·95	-·04	39	39	+ 8	S	2	0	*	c	#	44	31	-
	Brest	29·84	52	SSW	2	f	29·89	-·04	50	46	+ 4	NW	3	c	3	f	#	54	43	-
	Lorient... ...	29·80	53	S	4	0	29·93	+·02	?	?	?	S	4	0	2	0f	#	54	43	0·35
France &	Rochefort ...	30·00	50	ENE	2	f	30·04	+·10	51	50	+ 6	NW	2	c	*	m,f	#	54	45	0·16
	Belfort	30·00	39	E	2	b	30·04	+·07	33	32	- 1	SSW	1	0	*	b	#	45	30	-
	Lyons	30·04	42	SSW	1	b	30·08	+·08	33	33	+ 1	ESE	1	m	*	b	#	48	?	-
	Nice	29·97	50	E	2	c	30·03	+·09	48	44	+ 3	E	2	c	1	c	#	57	45	-
	Perpignan ...	30·02	55	W	3	bc	30·11	+·19	49	46	- 3	SW	2	0	*	bc	#	59	45	-
	Biarritz ...	30·05	55	WNW	5	r	30·11	+·15	56	54	+ 3	W	4	r	3	r	#	56	52	0·55
Peninsula.	Corunna ...																#			
	Lisbon	30·26	57	NW	3	c	30·32	+·10	58	55	+ 2	NNW	3	0	*	c	#	63	55	-
	Azores (P. Delgada)	30·31	59	SSW	4	c	30·35	+·13	63	59	- 1	SW	2	bc	2	c	#	68	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 0.0 hrs; Eastbourne 5.4 hrs; Hastings 5.3 hrs, Brighton 4.7 hrs.

WEATHER CHARTS

FOR Saturday, 14TH November, 1896.

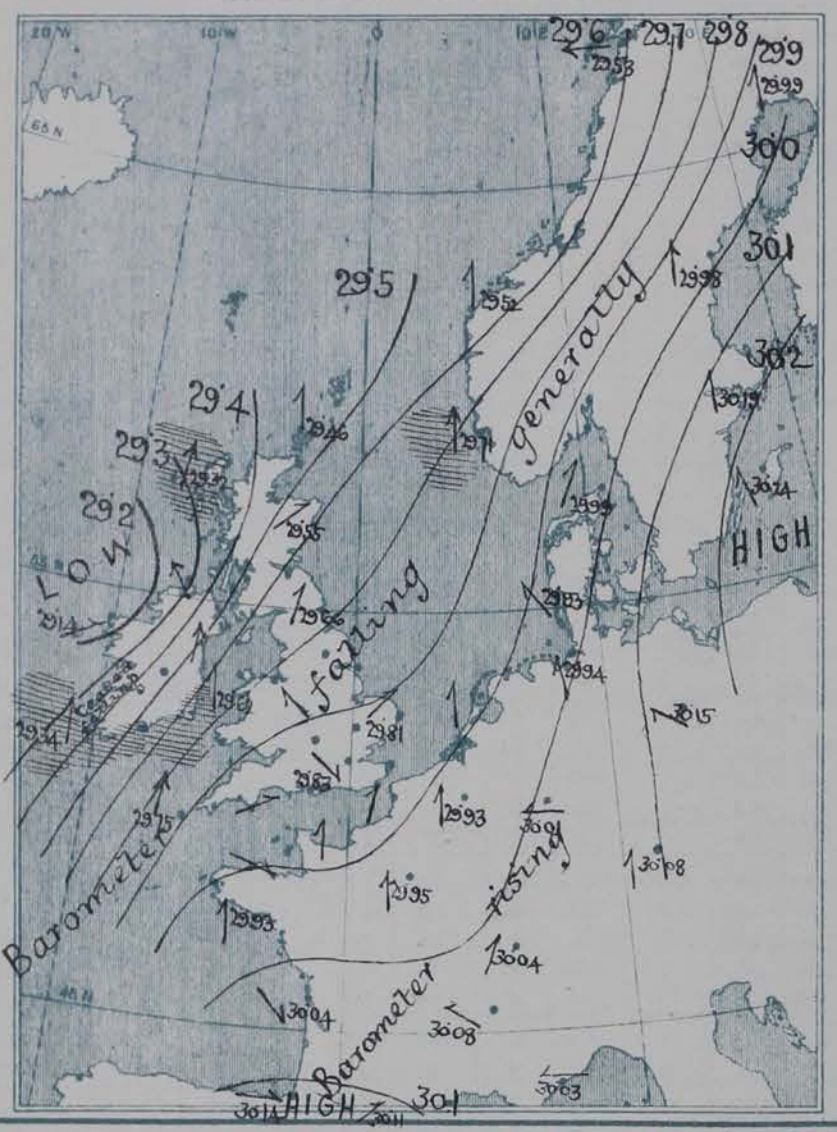
BAROMETER, WIND AND SEA.

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*

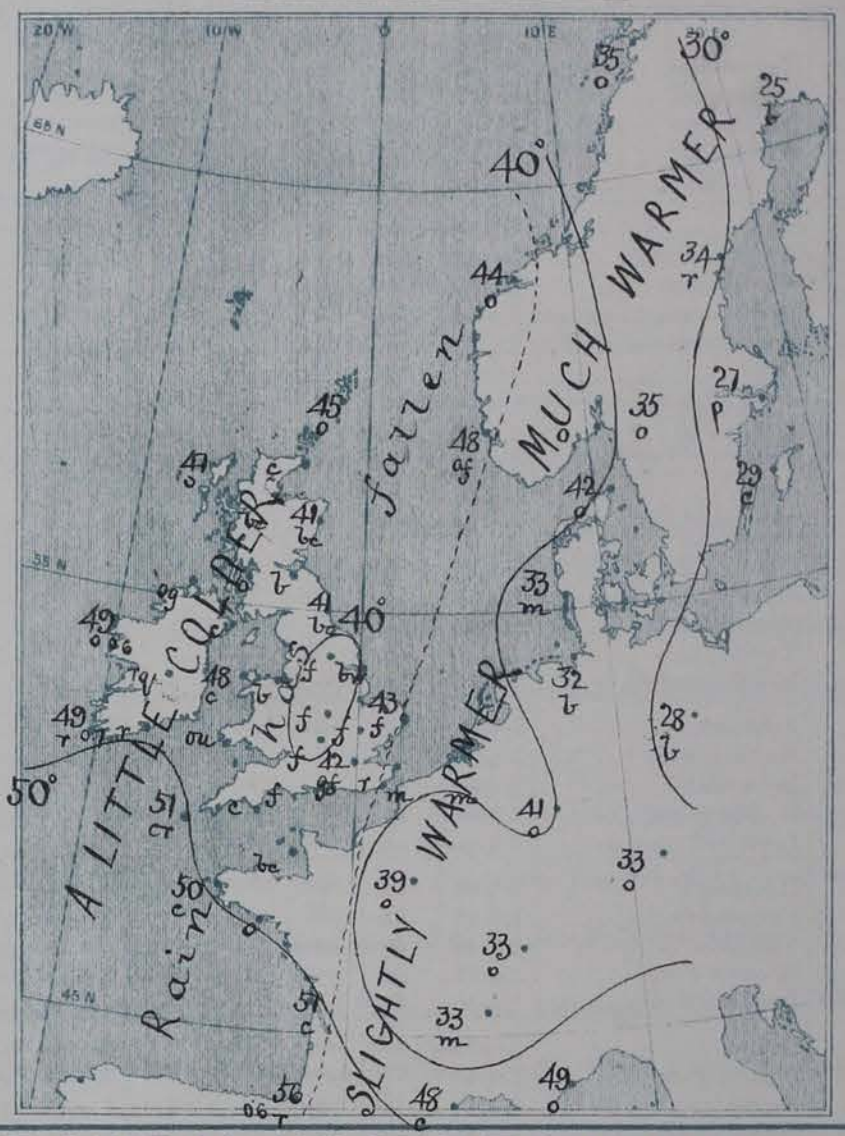


TEMPERATURE & WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	59	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 in: and more, over Eastern Germany and the eastern part of the Baltic; and exceeding 30·0 in: over the southern half of France, Austria, and W^n Germany.
Lowest 29·2 in: and less. in a depression off the northwest of Ireland.
Gradients very steep over Ireland, slight over England, France and the North Sea.
Barometer falling fast in the northwest, but at Valencia (Ireland) the fall is checked.

TEMPERATURE

Highest, 56° at Biarritz, 51° at Scilly, 50° at Dungeness, 49° in the south and west of Ireland.
Lowest, 25° to 35° at the Swedish stations, 33° (28° at Berlin) at Munich, Breport, and Lyons, 39° at Paris.
It has risen rapidly over Scandinavia, and considerably over the southeast of England and north of France.

WIND

Light and variable over Germany and France, but generally S^t^ Cleewhere, and blowing strongly at several of our western stations and Shetlands: at Rockall Point a gale is reported.

WEATHER

Dull over nearly the whole of Western Europe, with wet mist in many places, rain in others.
A considerable fall of rain has occurred in the west of Ireland, and a smaller quantity over our Islands generally; rain has fallen in the west of France also. Halos were seen at several of our stations yesterday. Bright Sunshine was from 4 to 5 hrs in Ireland, 2·2 hrs at Cambridge, 0·1 hr: in London and at Scilly.

SEA

Rather rough on our southwestern coasts and in the Minch, slight on our southeast coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is very rainlike, windy and unsettled, the Scotch coasts have been warned.

FORECASTS

For the 24 hours ending at NOON on 15^th^ NOV^r^ 1896.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly^ winds, increasing in force; rainy, unsettled.	6 SCOTLAND WEST	S^ly^ winds, strong; squally, showery.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	SW^ly^ and S^ly^ winds, freshening; fair to rainy.	9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 10·30 am today to districts 0. 1. and 6. 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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.88	43	42	SSE	9	r	6	Valencia	29.79	51	48	WSW	4	bv	4
Sumburgh Head	29.44	49	46	S	3	o	5	Scilly	29.78	53	52	WNW	4	ep	3
Stornoway	29.38	47	47	NNW	3	r	4	Jersey	29.89	49	47	SE	3	o	3
Aberdeen	29.55	46	44	S	5	[illegible]	4	Hurst Castle ...	29.87	49	46	S	2	c	1
Shields	29.69	45	43	SSW	4	c	2	Dungeness ...	29.88	50	47	SSE	3	c	2
Ardrossan	29.60	50	50	SE	4	r	4	North Foreland	29.92	50	47	S	3	c	2
Malin Head ...	29.54	49	46	W	4	bc	3	London (Westminster)	29.88	50	45	SE	1	o m	#
Belmullet	29.65	48	46	W	3	bc	#	Yarmouth ...	29.89	45	42	SSW	2	bcf	2
Holyhead	29.66	49	48	SSW	4	qmr	3	Rochefort ...	29.95	53	52	SE	1	m	#

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

Weather in morning fine and bright over Italy, southeastern Europe, and many parts of Sweden; fair but dull over Central Europe, overcast and unsettled over the British Islands on the one hand and the south of Russia on the other. Rain falling later in all parts of the United Kingdom and the west of France, snow in Russia.

Temperature fallen over the southeast of England and in many parts of Continental Europe. Morning readings highest 64° at Malta, 58° at Athens, 56° at Lisbon, and above 50° at many of the most southern stations, as well as at Scilly. Lowest -5° F. at Ukeaby, +12° at St Petersburg, and much below the freezing point over Russia, northern and central Europe generally; 31° at Paris, 34° in London. Rising to between 54° and 50° in many parts of Ireland and England during the day, and touching 57° at Nice and 63° at Lisbon.

Wind light and anticyclonic over northern and central Europe; S° over the British Islands, SE to E³ in Norway. N° and NW³ however, over Russia, and blowing strongly at Odessa. Veering W^ly over our western districts later, but backing again rapidly at night.

Barometer highest 30·2 in. and more to 30·0 in. in a large anticyclone covering Germany, the Baltic, and Sweden. Lowest 29·4 in. and less, in a depression ~~in a depression~~ off our northwest coasts, and in another over the southern half of Russia. Barometer rising somewhat over Ireland and Scotland later, but a fresh fall setting in at the western stations after midnight.

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 15th November, 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	39	SW	2	o	29.84	−.15	30	29	+ 5	L	o	b	#	o	#	39	9	0.12
	Hernösand ...	29.91	35	S	8	o	29.96	−.02	35	33	+ 1	S	4	c	#	o	#	36	32	—
	Stockholm ...	30.13	35	L	o	b	30.06	−.13	37	35	+ 10	SSE	2	o	#	b	#	36	19	—
	Wisby	30.17	33	S	4	b	30.08	−.16	33	31	+ 4	S	4	bc	#	b	#	50	21	—
	Karlstad ...	29.99	37	S	4	o	29.93	−.12	33	31	− 2	SE	4	bc	#	o	#	#	#	—
	Bodö	29.54	37	E	4	o	29.73	+ .15	39	38	+ 4	ESE	4	bc	1	o	#	39	30	0.20
	Christiansund ...	29.65	41	ESE	2	b	29.61	+ .09	42	39	− 2	ESE	4	b	4	b	#	44	39	—
	Skudesnaes ...	29.61	46	SSE	6	r	29.52	+ .19	44	40	− 4	ESE	6	o	5	o,r	#	49	39	#
	Færder (Christiania Fjord)	29.88	43	SSE	6	o	29.82	−.13	38	36	− 4	E	5	o	3	o	#	45	37	0.04
	Skagen (The Scaw)	29.86	40	S	6	bc	29.72	−.27	40	39	− 2	SSE	6	m	2	bc	#	43	39	—
	Fanö	29.66	35	SE	6	o	29.47	−.46	37	36	+ 1	SE	6	o	#	o	#	37	38	...
	Sumburgh Head	29.28	45	S	4	c	29.19	−.27	47	45	+ 2	SE	5	o	6	o,c	#	47	39	—
	Stornoway ...	28.93	47	S	7	o	29.00	−.32	45	45	− 2	NNE	2	o	2	c,o	0.0	48	43	0.30
	Wick	29.14	40	S	8	o	29.12	−.31	45	44	+ 2	S	5	cw	6	o	#	46	41	0.05
	Nairn	28.93	45	S	4	c	29.05	−.39	43	41	+ 1	L	o	b	1	c	#	47	40	—
	Aberdeen ...	29.22	44	SSE	8	orgq	29.14	−.41	43	42	+ 2	S	1	c	5	o	1.7	47	41	0.30
	Leith	29.14	44	SW	5	o	29.13	−.44	43	41	0	SW	2	b	#	o	#	47	41	—
	Shields	29.29	43	SSE	4	r	29.21	−.45	39	38	− 2	L	o	f	2	r	#	44	37	0.04
	Spurn Head ...	29.36	42	SSW	5	r	29.22	−.54	41	41	+ 3	WNW	4	bc	3	omf,r	#	44	36	0.30
	York	29.31	41	SSE	1	r	29.24	−.50	39	38	+ 6	W	1	b	#	r	0.0	41	32	0.29
	Loughborough ...	29.35	44	S	4	r	29.31	−.49	39	37	+ 2	W	3	bw	#	oqr,bc	#	44	37	0.35
	Ardrossan ...	29.04	49	SSW	3	bp	29.07	−.39	45	45	− 2	S	5	bcp	4	r,bp	#	49	44	0.15
	Malin Head ...	28.96	46	WSW	7	oq	29.11	−.11	48	47	+ 5	NW	8	oq	5	c,o,rel	#	48	43	0.22
	Belmullet ...	29.17	46	W	5	cpq	29.46	+ .32	47	43	− 2	NW	8	o	#	bcp,c	#	50	40	0.10
	Donaghadee ...	29.15	44	SW	4	bc	29.18	−.32	41	40	− 5	SW	6	o	4	bc	#	49	38	0.38
	Liverpool (Bidston)	29.22	43	S	3	r	29.28	−.43	48	40	+ 5	W	5	bc	4	mp	#	45	38	0.05
	Holyhead ...	29.20	48	WSW	4	bc	29.32	−.30	48	41	− 5	W	6	b	5	bc	#	49	40	0.49
	Parsonstown ...	29.21	44	SW	1	b	29.44	+ .04	42	39	− 4	W	2	o	#	b,r	1.8	50	37	0.47
	Valencia ...	29.33	49	NW	4	cp	29.66	+ .32	45	41	− 4	WNW	6	cpq	6	rhp,c	4.0	52	41	0.11
	Roche's Point ...	29.29	46	W	4	c	29.57	+ .14	43	41	− 6	WNW	4	bc	4	c	#	51	41	0.25
	Pembroke (St. Ann's Hd.)	29.23	50	WSW	6	bc	29.45	−.22	47	44	− 3	NW	6	c	5	bc	0.0	51	44	0.44
	Scilly	29.33	50	W	5	c	29.58	−.17	49	47	− 2	NW	7	cq	5	r.c	1.0	53	46	0.42
	Prawle Point ...	29.33	48	W	4	c	29.51	−.32	42	40	− 5	NW	5	bcp	4	rq,cp	#	50	40	0.45
	Jersey (St. Aubin's)	29.50	50	S	5	r	29.53	−.37	48	45	+ 3	WNW	4	bc	4	p	#	52	44	0.65
	Hurst Castle ...	29.36	49	S	7	rw	29.43	−.42	43	41	+ 1	W	4	b	3	r	#	50	41	0.31
	Dungeness ...	29.54	48	SW	5	r	29.31	−.50	42	41	− 8	WNW	3	bc	2	c,r	#	50	39	0.30
	North Foreland	29.56	48	S	4	q	29.27	−.55	42	41	− 5	W	5	cq	4	o	#	49	40	0.20
	London (Brixton) ...	29.45	45	SSW	3	o	29.34	−.49	40	38	− 2	W	3	b	#	gf,or	0.0	46	38	0.18
	Oxford	29.25	46	SSE	4	r	29.38	−.45	37	36	+ 1	WSW	2	b	#	f,r	#	46	35	0.23
	Cambridge ...	29.43	44	S	4	o	29.31	−.51	39	38	− 2	WNW	2	b	#	o	0.0	45	38	0.14
	Yarmouth ...	29.51	44	S	3	cm	29.20	−.61	43	42	0	WNW	3	ef	3	fa,c	#	47	41	0.51
Germany & Holland.	Cuxhaven ...	29.77	36	SSE	4	o	29.46	−.48	39	39	+ 7	SE	4	o	#	o	#	39	32	—
	Berlin	29.99	31	SE	4	b	29.75	−.40	29	27	+ 1	SE	3	b	#	b	#	36	28	—
	Wiesbaden ...	*	*	*	*	*	29.47	−.54	43	42	+ 2	E	1	r	#	#	#	43	41	0.08
	Munich	29.94	31	SE	3	b	29.65	−.43	27	27	− 6	E	4	f	#	b	#	41	25	—
	The Helder ...	29.63	44	ESE	2	r	29.27	−.59	44	43	+ 2	SE	3	r	1	r	#	45	41	0.08
Belgium. France &	Brussels ...	*	*	*	*	*	29.23	−.70	45	44	+ 8	SW	2	r	#	o	#	48	37	0.39
	Cape Gris Nez ...	? 29.34	46	SSW	5	r	29.26	−.59	44	42	− 1	NW	5	o	5	r	#	50	41	0.35
	Paris	29.71	45	SSW	2	o	29.38	−.57	45	44	+ 6	WSW	3	r	#	o	#	48	39	0.51
	Brest	29.43	50	WNW	4	c	29.61	−.27	48	45	− 2	NW	5	c	4	c	#	54	39	0.83
	Lorient	? 29.71	49	WSW	7	o	29.63	−.30	49	47	?	NW	5	bc	5	o	#	50	45	0.43
	Rochefort ...	29.86	53	WSW	5	r	29.68	−.36	51	50	0	WNW	7	c	#	r	#	54	48	0.35
	Belfort	29.91	44	SW	2	o	? 29.50	−.54	44	42	+ 11	SSW	2	r	#	o	#	51	33	0.32
	Lyons	30.04	42	SSW	1	b	29.86	−.52	47	45	+ 14	SSW	2	r	#	b	#	48	33	0.32
	Nice	29.99	52	L	o	b	29.77	−.26	46	46	− 2	ENE	4	r	3	b	#	59	45	0.16
	Perpignan ...	30.06	55	L	o	o	29.69	−.42	50	46	+ 1	NW	4	o	#	o	#	61	46	0.12
	Biarritz ...	30.02	56	SSW	2	r	29.79	−.32	56	51	0	WNW	7	r	6	r	#	57	50	0.43
Peninsula.	Corunna ...	30.08	59	SW	4	o	30.08	−.11	54	51	?	NW	6	r	6	o	#	63	48	0.08
	Lisbon	30.29	57	WSW	3	o	30.19	−.13	54	58	+ 1	WNW	5	o	#	o	#	63	57	—
	Azores (P. Delgada)	? 30.43	63	? W	2	o	? 30.47	+ .12	62	57	− 1	NNE	3	bc	1	o	#	70	59	—

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 0.0 hrs; Eastbourne 0.2 hrs; Hastings Not rec'd hrs; Brighton 0.0 hrs.

WEATHER CHARTS

FOR SUNDAY, 15th NOVEMBER, 1896.

BAROMETER, WIND AND SEA.

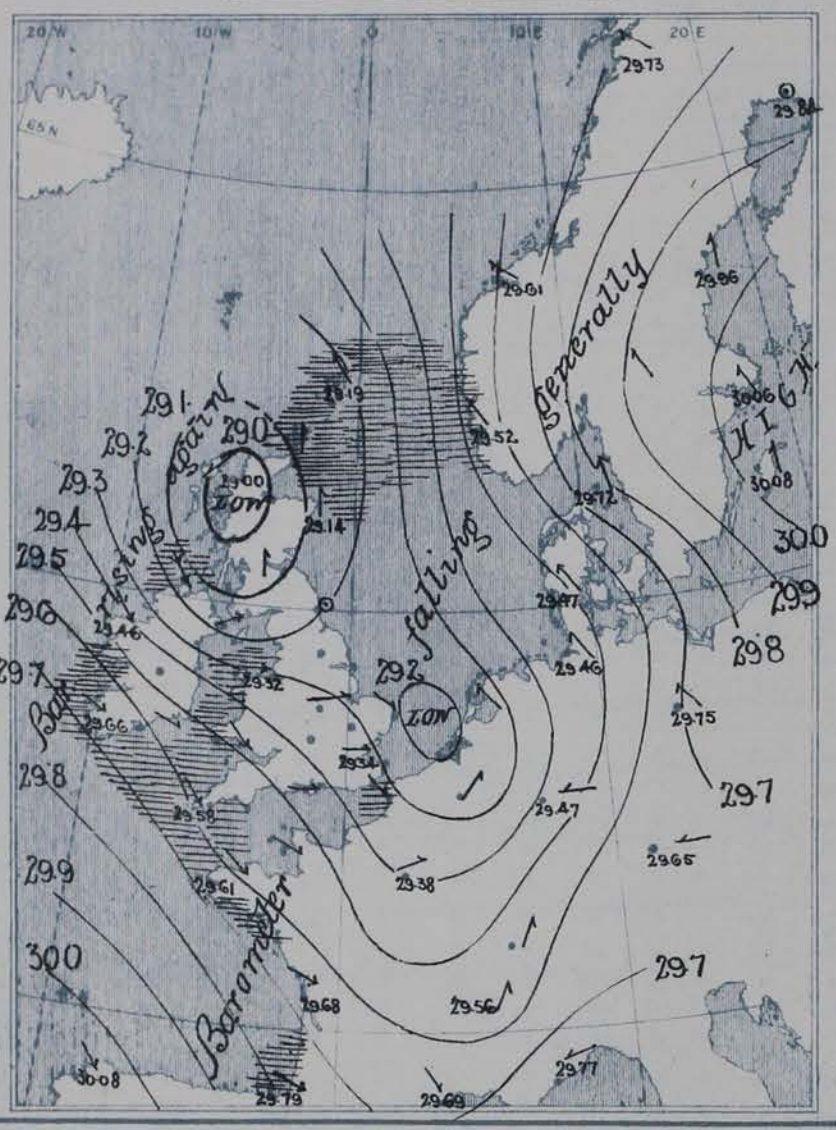
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

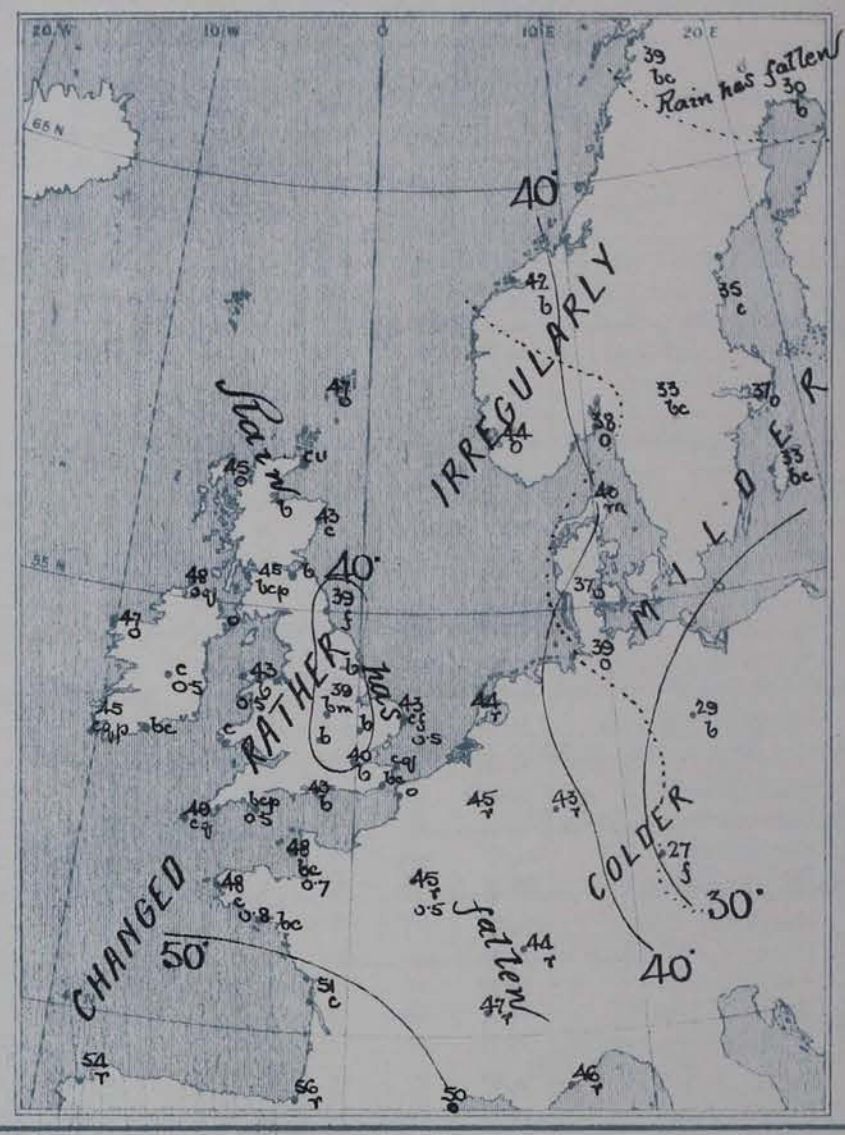


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63	1881, 93, 94, 95	19	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	61	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·64	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61	1881	19	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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) 30·19 in: at Lisbon, and exceeding 29·8 in: over Spain and the southwestern half of the Bay of Biscay; 30 in: and more to 29·8 in: over Finland, the Baltic and Sweden.
Lowest. Below 29·0 in: in a depression over the west of Holland, and below 29·2 in: in another between the Norfolk coast and Holland.
Gradients somewhat steep for SE. winds over the countries lying to the eastward of the North Sea, steep for NW. winds over the western part of the British Isles; irregular over Great Britain.
Barometer rising quickly over Ireland and the northwest of Scotland and the north of Norway, falling at our northeastern stations and over Germany.

TEMPERATURE

Highest, 59° at Lisbon, 51° at Rochefort, 48° at Jersey and Malin Hd., 47° at Dunbugh Head.
Lowest, (1) 30° at Haparanda, 33° at Karlstad and Wisby; 29° at Berlin, 27° at Munich; (3) 37° at Oxford, 39° over our midland and northeastern counties as a whole.
The maxima recorded yesterday ranged between 52° and 50° over the greater part of England and Ireland, but the changes were not very great.

WIND

(1) SE., moderate to strong, over the Shetlands and the countries to the eastward of the North Sea
(2) NW. to W. on our western coasts generally and over the Bay of Biscay, moderate to a gale, and more stormy; W. over France; E over Germany.
The change in direction over our western coasts during the night has been very sudden

WEATHER

Very variable and unsettled except over Scandinavia and the Baltic, but temporarily clear and bright over many parts of England.
Rain is falling in many parts of France and the Netherlands.
Rain is reported to have occurred all over France and the British Islands, and in considerable quantities at some of our western stations. Bright Sunshine yesterday 4 hrs at Valencia, very little or none at the other stations

SEA

Rough on our northern, western, and southwestern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 16th Nov. 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	At 0·30 pm yesterday to districts 7 to 10 "Hoist South Cone." The signals are still flying in districts 0. 1. and 6.

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 ...	29.69	49	48	S	6	o	5
Sumburgh Head	29.31	45	43	S	3	c	4
Stornoway	29.07	47	45	SSE	7	r	6
Aberdeen	29.35	46	44	SSE	6	ogqr	6
Shields	29.44	42	40	SSE	3	om	2
Ardrossan	29.16	46	46	SSE	5	r	4
Malin Head ...	29.00	47	46	S	5	c	3
Belmullet	29.11	49	46	W	6	bcp	*
Holyhead	29.25	47	46	S	7	rmgq	6
Valencia	29.26	46	44	WSW	6	rhp	5
Scilly	29.40	53	52	WSW	5	r	5
Jersey	29.71	50	49	SSW	4	r	3
Hurst Castle ...	29.61	49	45	SSW	4	rm	2
Dungeness ...	29.67	48	47	SW	3	c	2
North Foreland	29.68	47	45	SW	3	o	2
London (Westminster)	29.64	46	44	SSW	2	dfg	*
Yarmouth ...	29.62	47	46	SW	2	fq	3
Rochefort ...	30.02	54	52	W	3	o	*

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

Weather in morning fair and quiet over Finland, the Baltic, Central Europe, Spain, and the southern parts of France, very foggy and damp over England, overcast raining and squally over Ireland and the west of Scotland. Dull over Central Russia, with snow at Kiev. Rain falling later in all parts of the British Islands and France — the largest amounts being 08 in. at Brest, 07 in. at Jersey, and 05 in. at several of our southern stations; lightning seen in the north of Ireland.

Temperature risen considerably over England and France, rapidly over Scandinavia, fallen over Russia. Morning readings highest 63° at Malta, 58° at Algiers and Lisbon, and above 50° on the Atlantic coasts of France and the southward coasts of England; 48° at Skudesnaes and 47° at Stornoway. Lowest −3° F. at Archangel, +7° at Ulearby, 10° at Moscow, and much below the freezing point over Russia and the eastern parts of Central Europe; 33° to 36° over our Midland Counties. Rising later to between 50° and 52° in many parts of England and the south of Ireland, to 61° at Perpignan and to 63° on the Spanish coasts.

Wind (1) N. to NW., light to moderate, over Russia; (2) light and anticyclonic over the greater part of northern and central Europe; (3) SW. to S. over the British Islands, and blowing strongly on our northwestern and western coasts — a gale at Rocks Point. Increasing to a gale on our northwestern and northern coasts later, and blowing very strongly for a brief interval in the south of England also.

Barometer highest 30·3 in. to 30·1 in.: (1) over Finland, the Baltic, and Central Europe; (2) over the Iberian Peninsula and the southwest of France. Lowest, below 29·2 in. in a depression off the northwest coast of Ireland, and below 29·8 in. in another over Central Russia. A few very small and shallow disturbances over the Mediterranean also. The northwestern depression reaching Scotland later, while a depression advanced eastwards over 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.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 16th November, 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 ...	30·00	30	W	2	0	29.90	+·06	31	31	+ 1	W	2	0	*	0	*	36	25	-
	Hernösand ...	30·10	36	S	4	c	30·11	+·15	39	30	− 2	S	4	bc	*	c	*	37	32	-
	Stockholm ...	30·13	33	SE	2	b	30.27	+·21	33	32	− 4		0	0	*	b	*	39	32	-
	Wisby	30·11	30	S	4	b	30.27	+·19	28	27	− 5	SE	4	b	*	b	*	36	27	-
	Karlstad ...	30·04	32	ESE	2	b	30.21	+·28	32	31	− 1	NE	2	0	*	b	*	*	*	-
	Bodö	29·80	36	E	2	b	29.89	+·16	34	32	− 5	ESE	4	S	1	b	*	39	32	-
	Christiansund ...	29·77	41	ESE	1	bc	30.06	+·45	40	37	− 2	N	1	0	3	bc	*	43	39	-
	Skudesnaes ...	29·74	44	E	6	0	30.04	+·52	41	41	− 3		0	0	3	0	*	45	41	*
	Færder (Christiania Fjord)	29·95	38	ENE	2	0	30.17	+·35	36	34	− 2	NE	2	0	2	0	*	39	36	-
	Skagen (The Scaw)	29·90	40	SSE	6	0	30.14	+·42	40	37	0	ESE	1	0	0	0	*	41	34	-
	Fanö	29·63	38	E	6	0	29.94	+·47	35	34	− 2	E	5	b	*	0	*	39	36	-
British Islands	Sumburgh Head	29·50	46	SE	4	0	30.03	+·84	45	42	− 2	S	2	0	5	0	*	48	43	0·03
	Stornoway ...	29·52	46	NNE	1	0	29.96	+·96	42	42	− 3	W	2	0	2	c,0	1·9	48	40	0·06
	Wick	29·48	48	NE	3	0	29.99	+·87	46	45	+ 1	SE	4	0	5	0	*	50	44	0·04
	Nairn	29·47	46	NNW	1	b	29.98	+·93	43	43	0		0	d	1	b	*	52	39	0·01
	Aberdeen ...	29·44	44	NNW	3	0 g p	29.99	+·85	45	44	+ 2	NE	3	0 g p d	7	c.gp	1·8	47	42	0·10
	Leith	29·37	44	E	0	0	29.89	+·76	46	45	+ 3	NNE	3	0	*	0	*	49	42	0·03
	Shields	29·36	43	E	0	0	29.85	+·64	47	46	+ 8	NE	2	c	3	f.o.r	*	47	38	0·23
	Spurn Head ...	29·34	41	W	2	b	29.85	+·63	44	43	+ 3	E	1	bw	2	b	*	45	40	-
	York	29·33	42	NNW	1	0	29.81	+·57	45	44	+ 6	E	1	0	*	b.o	6·5	50	38	0·07
	Loughborough ...	29·35	38	NNW	1	0	29.85	+·54	36	36	− 3	ESE	1	g p	*	bc.r	*	48	29	0·12
	Ardrossan ...	29·42	45	E	0	c	29.95	+·88	48	47	+ 3	WNW	2	0	1	p.c	*	48	41	0·01
	Malin Head ...	29·50	47	NW	9	0 q r	29.97	+·86	48	47	0	NNW	4	bcm	3	bc,rq	*	48	44	0·13
	Belmullet ...	29·76	48	N	8	0 q p	30.08	+·62	46	44	− 1	NNW	3	c	*	c.o q p	*	49	46	-
	Donaghadee ...	29·42	49	NW	7	r	29.94	+·76	49	48	+ 8	NNE	6	c	4	r	*	49	39	0·17
	Liverpool (Bidston)	29·33	45	WNW	4	0	29.84	+·56	45	43	+ 2	NNW	3	o p	3	r q	*	46	38	0·26
	Holyhead ...	29·36	49	NW	7	c	29.88	+·56	49	46	+ 6	N	5	c	4	c	*	45	41	0·16
	Parsonstown ...	29·66	44	NW	3	r	30.02	+·58	45	44	+ 3	NW	1	bc	*	0.r q	0·5	48	41	0·04
	Valencia ...	29·90	49	NNW	6	c q u	30.11	+·45	47	43	+ 2	N	3	b	4	c q	1·6	45	43	0·02
	Roche's Point ..	29·78	46	NNW	8	bc	29.99	+·42	47	44	+ 4	NNW	6	b	4	bc q p	*	49	41	0·06
	Pembroke (St. Ann's Hd.)	29·52	49	NW	6	c	29.86	+·41	47	46	0	NNE	5	r	5	c, q	0·7	49	42	0·25
	Scilly	29·67	50	NW	7	c	29.87	+·29	50	46	+ 1	NNW	7	c	5	c	5·1	51	46	-
	Prawle Point ...	29·57	45	WNW	5	c	29.81	+·30	41	39	− 1	N	3	c	2	c q p	*	48	38	0·05
	Jersey (St. Aubin's)	29·60	49	WNW	5	b c q r k	29.73	+·20	47	44	− 1	NNW	5	o q	4	b c q r k	*	51	46	0·24
	Hurst Castle ...	29·44	46	WSW	5	o p	29.74	+·31	40	38	− 3	NNE	4	c m	2	p.o	*	45	39	0·06
	Dungeness ...	29·43	45	WSW	4	b	29.70	+·39	43	42	+ 1	ENE	4	0	3	b	*	51	43	0·15
	North Foreland	29·44	41	W	2	b c	29.76	+·49	44	42	+ 2	E	4	c	4	b c	*	46	38	0·04
	London (Brixton) ...	29·37	44	W	3	r	29.77	+·43	41	39	+ 1	NNE	2	b c m	*	bc,o,r	2·8	47	39	0·13
	Oxford	29·41	44	W	4	r	29.81	+·43	35	34	− 2	NNE	1	c	*	bc,r	*	1.8	34	0·13
	Cambridge ...	29·39	39	SW	1	b	29.81	+·50	31	31	− 8	NW	1	b m	*	b	6·3	48	29	-
	Yarmouth ...	29·34	41	WSW	2	b	29.80	+·60	45	43	+ 2	E	3	b	3	b	*	46	35	-
Germany & Holland	Cuxhaven ...	29·41	36	SE	5	c	29.86	+·40	33	33	− 6	SE	4	b	*	c	*	39	32	-
	Berlin	29·73	33	SE	3	b	29.88	+·13	33	31	+ 4	SE	4	c	*	b	*	31	29	-
	Wiesbaden ...	*	*	*	*	*	29.65	+·18	44	41	+ 1	N	2	0	*	*	*	46	39	0·12
	Munich... ..	29·62	33	E	0	0	29.57	−·08	30	30	+ 3	NE	3	0	*	0	*	36	27	-
	The Helder ...	29·41	46	NSW	3	bc	29.83	+·56	42	41	− 2	ENE	1	b	1	bc	*	46	37	0·32
Belgium.	Brussels ...	*	*	*	*	*	29.78	+·55	34	33	− 11	NE	2	bc	*	b	*	47	34	0·08
	Cape Gris Nez...																*			
	Paris	29·61	41	W	2	b	29.67	+·29	38	37	− 7	SE	2	f	*	b	*	51	35	-
	Brest	29·74	49	NW	5	c	29.80	+·19	49	46	+ 1	N	4	c	...	c	*	52	41	0·08
	Lorient... ...	29·69	48	NW	5	0	29.73	+·10	48	47	− 1	NSW	5	0	4	0	*	52	43	-
France &	Rochefort ...	29·80	50	NW	4	b	29.73	+·05	50	49	− 1	NW	5	0	*	b	*	54	46	0·16
	Belfort	29·59	44	S	2	r	29.56	−·14	39	39	− 5	E	0	r	*	r	*	47	38	0·43
	Lyons	29·65	45	NW	2	bc	29.66	+·10	39	36	− 8	NW	4	0	*	bc	*	50	38	0·04
	Nice	29·44	41	NE	1	r	29.42	−·35	42	41	− 4	ENE	2	r	3	r	*	52	39	3·54
	Perpignan ...	29·72	48	NW	4	b	29.70	+·01	45	41	− 5	NW	2	c	*	b	*	60	43	0·04
	Biarritz ...	29·87	50	NW	8	r	29.80	+·01	49	46	− 4	NNW	6	r	6	r	*	57	48	0·28
Peninsula.	Corunna ...																*			
	Lisbon	30·23	53	N	4	b c	30.23	+·04	51	49	− 8	N	1	c	*	b c	*	63	50	0·04
	Azores (P. Delgada)	30·50	63	NE	3	0	30.45	?	60	54	− 2	NNE	3	b	2	0	*	68	59	-

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 0·7 hrs; Eastbourne 7·5 hrs; Hastings 7·4 hrs. Brighton 6·4 hrs

WEATHER CHARTS

FOR Monday, 16th November; 1896.

BAROMETER, WIND AND SEA.

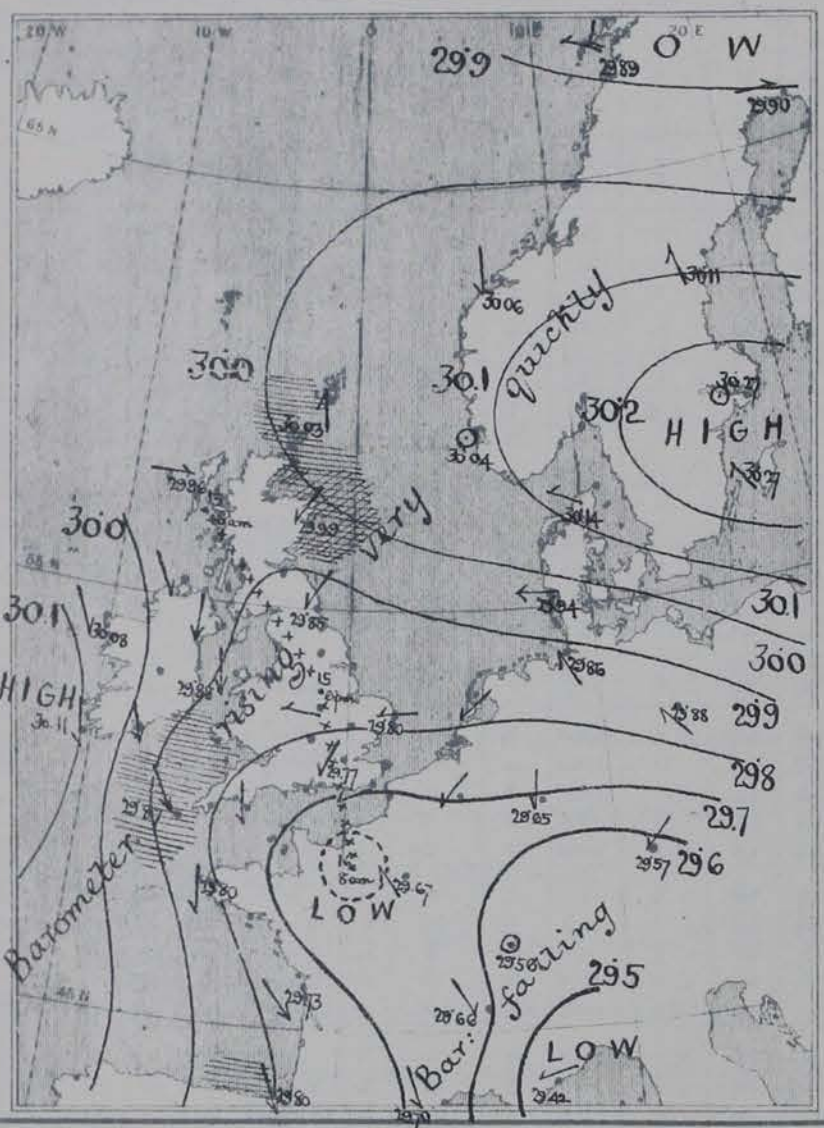
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▭

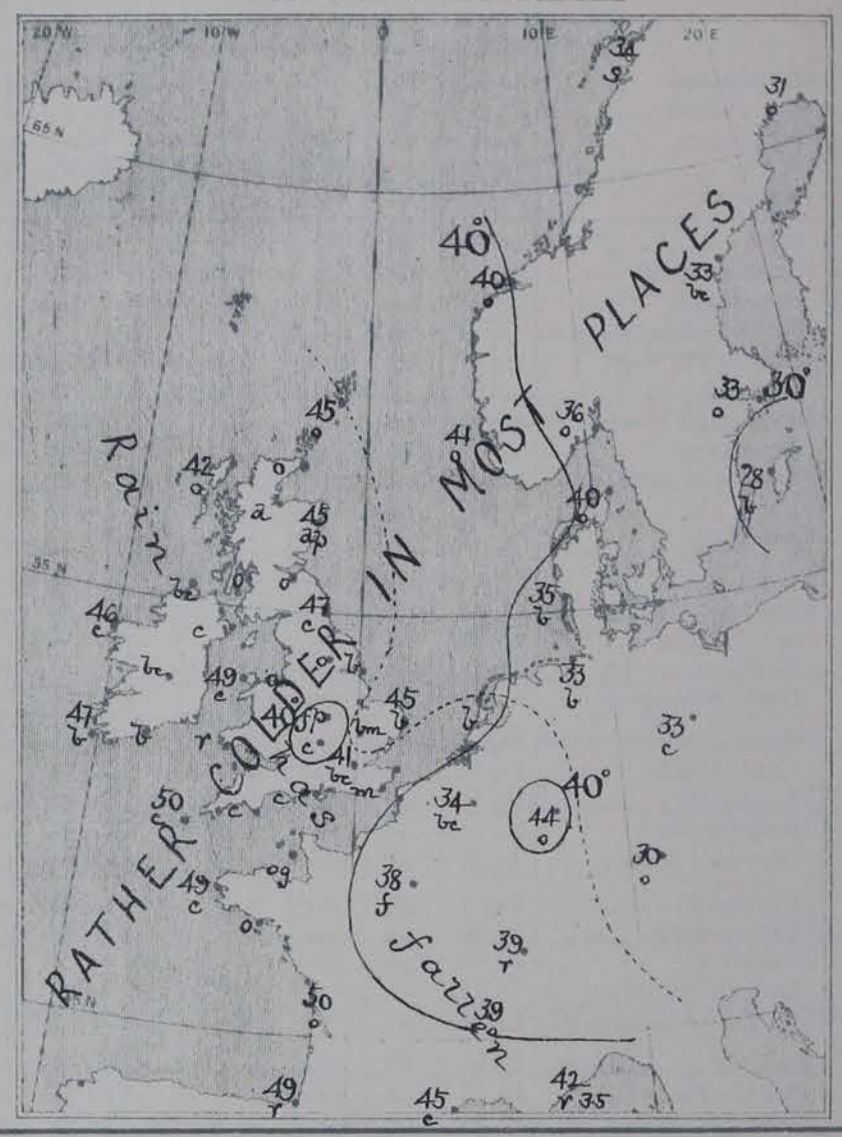


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·793	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1891, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	29	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LOXHOW	29·910	42·5	41·4	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	69	1895	23	1890	2·92	—	—

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 to 30·0 ins: in an anticyclone lying over the Baltic and stretching across Scandinavia to the northeast of Scotland; (2) 30·0 ins: to 30·1 ins: and more over Ireland, and apparently still higher over the Atlantic
Lowest, Below 29·5 ins: over the Riviera, and below 29·7 ins: over the south of France.
Gradient, moderate to slight.
Barometer rising throughout over Islands – quickly in most places

TEMPERATURE

Highest, 51° at Lisbon, 50° to 49° on the west coast of France and at Scilly, 47° at Pembroke and in the south of Ireland.
Lowest, 28° to 33° at the Swedish and German stations, 31° to 36° over the central parts of England.
It has fallen fast over Germany and slightly over England during the night and its tendency is to increase generally.

WIND

E. moderate to light over Germany, Scandinavia, and the North Sea; NW to N. strong to moderate over Ireland; NE. light over England; NW fresh over the Bay of Biscay.
The NW gale reported at our western stations yesterday, has died down

WEATHER

Fine and bright over Ireland, cloudy over Great Britain and France, with cold showers in some places, haze in others.
Cold rain has fallen almost all over the United Kingdom, and hail in a few places. Bright Sunshine recorded yesterday was very slight in Ireland and Scotland, 2·8 hrs in London, but 6 to 7·5 hrs along the south coast of England, 6·3 hrs at Cambridge, and 6·5 hrs at York.

SEA

Rough on our northern coasts and off the southwest coasts of England, slight to smooth in the southeast and East.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fair cold weather is likely to prevail very generally, with NE to N winds. A very cold night is probable over England.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying light winds; fine, cold, hazy or foggy at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE breezes, light; slight local showers, but fair as a whole, and cold – especially in early morning.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N winds, fresh to light; some cold 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 ...	29.56	45	42	ESE	6	o	5
Sumburgh Head							
Stornoway	29.28	48	48	N	2	c	2
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.30	48	46	NW	8	bcgr	6
Belmullet	29.64	49	45	NNW	7	c	*
Holyhead							
Valencia							
Scilly							
Jersey	29.58	50	45	NW	5	bc	4
Hurst Castle ...							
Dungeness ...	29.41	48	43	NSW	4	b	3
North Foreland	29.41	46	42	W	3	bc	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...							*

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

Continental Information not received.

SUMMARY OF THE CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 8TH TO THE 14TH NOV. 1896

The weather experienced over the British Islands during this week has been exceedingly changeable.

At first it was cold and showery, with N. winds, which, as the high pressure area in the west moved southwards, backed round to NW. and W. so that temperature rose in the north, while it fell quickly (for a time) in the south and east, and sharp frosts were experienced over England on Tuesday and Wednesday mornings.

On Thursday SE. and S. winds set in at our western stations, with some rain, the weather over England being foggy or fair; gradually the S. wind increased in force and spread northwards, until, on Friday, they prevailed very generally, with milder and rainy weather.

On Saturday (under the influence of a depression off our northwest coasts) the S. wind blew with the force of a gale over the Irish Sea and Scotland, but at the close of the week pressure distribution was becoming very complex, and the Scotch depression was inclined to move southwards.

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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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 17th November, 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 ...	29·94	21	SW	0	c	29·89	−·01	25	24	−6	SW	0	o	*	c	*	34	18	—
	Hernösand ...	30·17	25	SW	0	bc	30·11	·00	20	19	−13	SW	0	b	*	bc	*	37	?	—
	Stockholm ...	30·30	35	SW	0	o	30·28	+·01	31	30	−2	SW	2	b	*	o	*	37	30	—
	Wisby	30·32	31	S	4	b	30·32	+·05	28	27	0	SSE	4	b	*	b	*	36	25	—
	Karlstad ..	30·28	33	ESE	2	o	30·26	+·05	?33	30	+1	SW	0	o	*	o	*	*	*	—
	Bodö	29·96	37	W	2	o	29·74	−·15	44	41	+10	SW	8	r	5	o	*	44	32	0·28
	Christiansund ...	30·15	39	ESE	2	b	30·04	−·02	44	39	+4	WSW	5	c	4	b	*	45	37	—
	Skudesnaes ...	30·22	44	S	2	o	30·19	+·15	43	41	+2	SSE	2	o	2	o	*	44	41	*
	Færder (Christiania Fjord)	30·27	36	ENE	1	o	30·24	+·07	36	34	0	NE	1	o	1	o	*	36	34	—
	Skagen (The Scaw)	30·25	37	E	1	b	30·23	+·09	37	35	−3	ESE	1	o	0	b	*	41	34	—
	Fanö	30·09	38	ENE	4	c	30·12	+·18	36	36	+1	ENE	3	b	*	c	*	39	35	—
British Islands.	Sumburgh Head	30·03	45	SSE	2	o	29·96	−·07	46	44	+1	S	2	o	4	o	*	47	44	0·01
	Stornoway ...	30·00	45	SSW	3	o	29·89	−·07	48	48	+6	SSW	6	ow	6	c, o	3·5	51	39	—
	Wick	30·02	44	S	3	o	29·87	−·12	42	41	−4	S	1	bc	2	o	*	47	38	—
	Nairn	30·04	42	SW	0	b	29·97	−·01	41	40	−2	SW	1	b	1	b	*	46	32	—
	Aberdeen ...	30·10	40	W	1	bcmw	30·05	+·06	36	35	−9	SSE	2	bmw	4	og, bcmw	0·0	47	35	0·01
	Leith	30·09	46	SW	0	o	30·09	+·10	33	33	−13	SW	0	m	*	o	*	47	31	—
	Shields	30·09	45	SE	1	bm	30·12	+·27	35	35	−12	WSW	2	f	3	b, bm	*	50	32	—
	Spurn Head ...	30·03	45	NNE	3	bw	30·08	+·23	45	43	+1	ENE	4	o	4	bw	*	48	44	—
	York	30·08	42	E	1	b	30·13	+·32	38	38	−7	N	1	o	*	b	?	51	33	—
	Loughborough ...	30·07	36	SW	0	b	30·11	+·26	41	40	+5	NNW	1	ogmw	*	bc, bf, o	*	47	32	—
	Ardrossan ...	30·07	45	N	2	b	30·07	+·12	38	38	−10	NE	2	of	2	c, b	*	49	36	—
	Malin Head ...	30·05	45	S	1	bm	29·97	·00	44	43	−4	SSE	3	cm	2	bc, bm	*	49	42	—
	Belmullet ...	30·09	45	NNW	1	bc	30·01	−·07	48	47	+2	NNW	3	o	*	bc	*	52	41	—
	Donaghadee ...	30·08	48	NNE	3	c	30·10	+·16	34	34	−15	WSW	3	b	2	c	*	50	32	—
	Liverpool (Bidston)	30·09	43	E	1	m	30·13	+·29	36	34	−9	SW	0	m	?	m f	*	47	32	—
	Holyhead ...	30·06	45	SW	0	b	30·12	+·24	37	35	−12	S	1	cf	0	o, b	*	49	35	—
	Parsonstown ...	30·09	43	SW	0	bc	30·09	+·07	34	34	−11	SW	0	f	*	bc	3·6	50	30	—
	Valencia ...	30·12	45	SW	0	c	30·08	−·03	49	46	+2	SSE	3	cmg	3	c	3·3	50	39	—
	Roche's Point ..	30·09	47	N	3	b	30·13	+·14	36	35	−11	NNE	1	bm	3	b	*	50	35	—
	Pembroke (St. Ann's Hd.)	30·01	47	NE	3	b	30·12	+·26	39	37	−8	E	2	bm	3	b	2·1	49	37	—
	Scilly	29·98	51	N	5	bcp	30·08	+·21	46	44	−4	NE	3	b	2	cp, bcp	1·0	53	44	0·01
	Prawle Point ...	29·99	42	N	4	c	30·09	+·28	41	40	0	NNE	3	o	2	c	*	48	37	—
	Jersey (St. Aubin's)	29·88	48	ENE	4	cpg	30·02	+·29	47	45	0	NNW	4	o	3	bc, cpg	*	49	45	0·03
	Hurst Castle ...	29·95	43	NE	2	bm	30·03	+·29	45	43	+5	NE	4	og	3	am, bm	*	47	39	—
	Dungeness ...	29·89	46	NE	3	c	29·94	+·24	46	43	+3	NNE	4	o	4	c	*	48	43	—
	North Foreland	29·93	48	NE	4	c	29·97	+·21	47	44	+3	NE	5	o	5	c	*	49	43	—
	London (Brixton) ...	29·98	45	NE	2	b	30·02	+·25	44	42	+3	NW	2	og	*	bc, o	1·4	49	41	—
	Oxford	30·06	38	NNE	3	c	30·08	+·27	42	40	+7	NNW	3	og	*	b, c	*	48	34	—
	Cambridge ..	30·03	39	N	2	b	30·06	+·25	42	41	+11	N	1	ogm	*	b	5·8	49	30	—
	Yarmouth ...	29·94	47	NNE	4	bc	29·99	+·19	45	43	0	NE	5	cg	5	b, bc	*	47	43	—
Germany & Holland.	Cuxhaven ...	29·99	36	E	5	o	30·02	+·16	32	32	−1	E	4	b	*	o	*	37	30	—
	Berlin	30·01	33	ESE	3	b	30·06	+·18	26	24	−7	E	4	b	*	b	*	39	25	—
	Wiesbaden ...	*	*	*	*	*	29·89	+·18	36	35	−8	SW	0	b	*	*	*	48	34	—
	Munich... ..	29·69	24	W	2	o	29·72	+·15	35	34	+5	E	4	o	*	o	*	36	30	0·04
	The Helder ...	29·97	42	ENE	5	o	29·98	+·15	41	39	−1	ENE	5	b	3	o	*	45	39	—
Belgium. France &	Brussels ...	*	*	*	*	*	29·93	+·15	32	31	−2	NE	3	f	*	o	*	42	31	0·04
	Cape Gris Nez ...	29·83	49	E	4	o	29·89		42	40		ENE	5	o	5	o	*	50	36	—
	Paris	29·78	39	NE	2	o	29·88	+·21	35	34	−3	N	4	o	*	o	*	41	35	0·04
	Brest	29·92	48	NNE	2	c	30·01	+·21	46	43	−3	N	1	b	2	c	*	52	39	0·12
	Lorient... ...	29·86	47	NNE	6	bc	29·97	+·24	47	45	−1	NNW	5	o	3	bc	*	52	43	—
	Rochefort ...	29·80	47	NNW	5	o	29·93	+·20	45	45	−5	NNE	4	o	*	c, o	*	52	43	—
	Belfort	29·69	36	E	2	f	29·71	+·15	35	35	−4	E	2	f	*	f	*	41	35	0·16
	Lyons	29·72	39	N	1	o	29·74	+·08	38	36	−1	NNW	3	o	*	o	*	43	37	0·04
	Nice	29·53	43	NNE	2	b	29·50	+·08	44	39	+2	ENE	4	r	3	b	*	50	41	0·51
	Perpignan ...	29·67	47	NW	2	b	29·69	−·01	46	41	+1	NW	4	o	*	b	*	54	42	—
	Biarritz ...	29·79	53	NW	6	r	29·88	+·08	47	46	−2	NE	2	o	5	r	*	54	45	0·51
Peninsula.	Corunna ...																*			
	Lisbon	30·14	54	NNW	4	b	30·08	−·15	54	53	+3	NNW	3	o	*	b	*	59	54	0·08
	Azores (P. Delgada)	30·09	63	ESE	4	o	30·30	−·15	63	59	+3	SE	3	c	3	o	*	68	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 0·0 hrs; Eastbourne 3·8 hrs; Hastings 4·6 hrs; Brighton 3·3 hrs.

WEATHER CHARTS

FOR Tuesday, 17th November, 1896.

BAROMETER, WIND AND SEA.

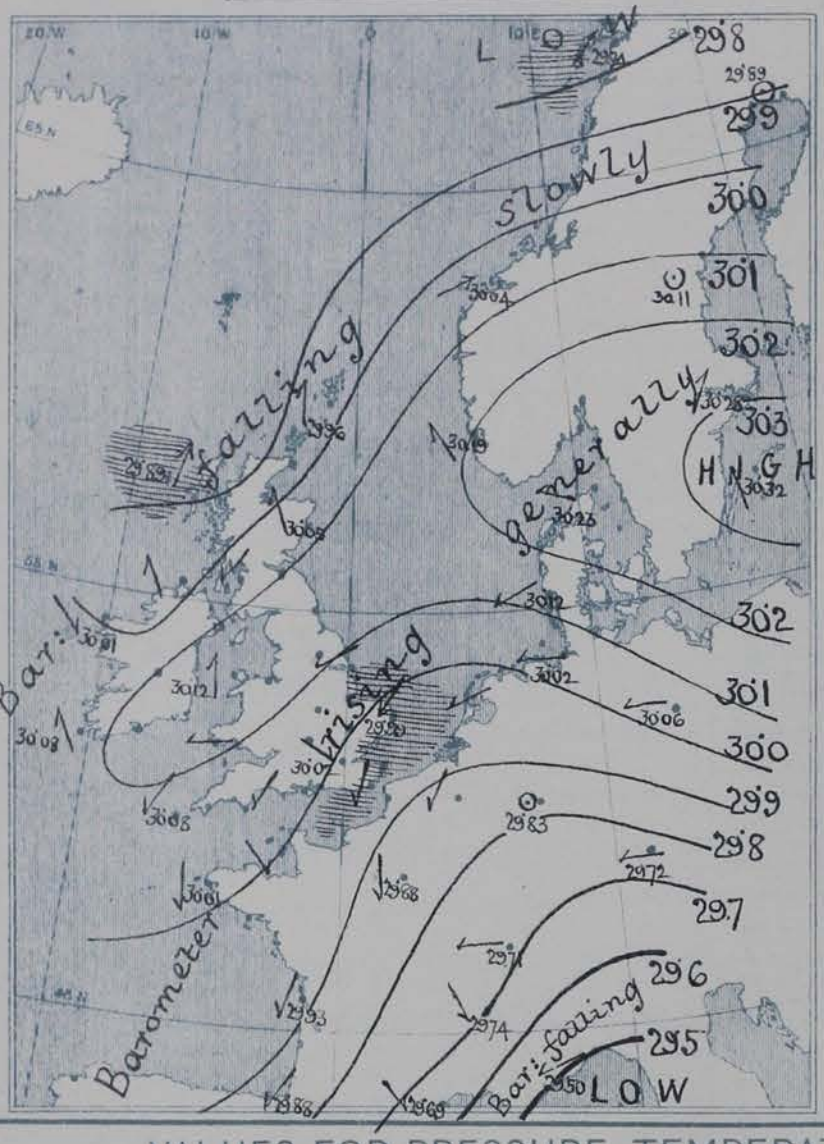
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▓

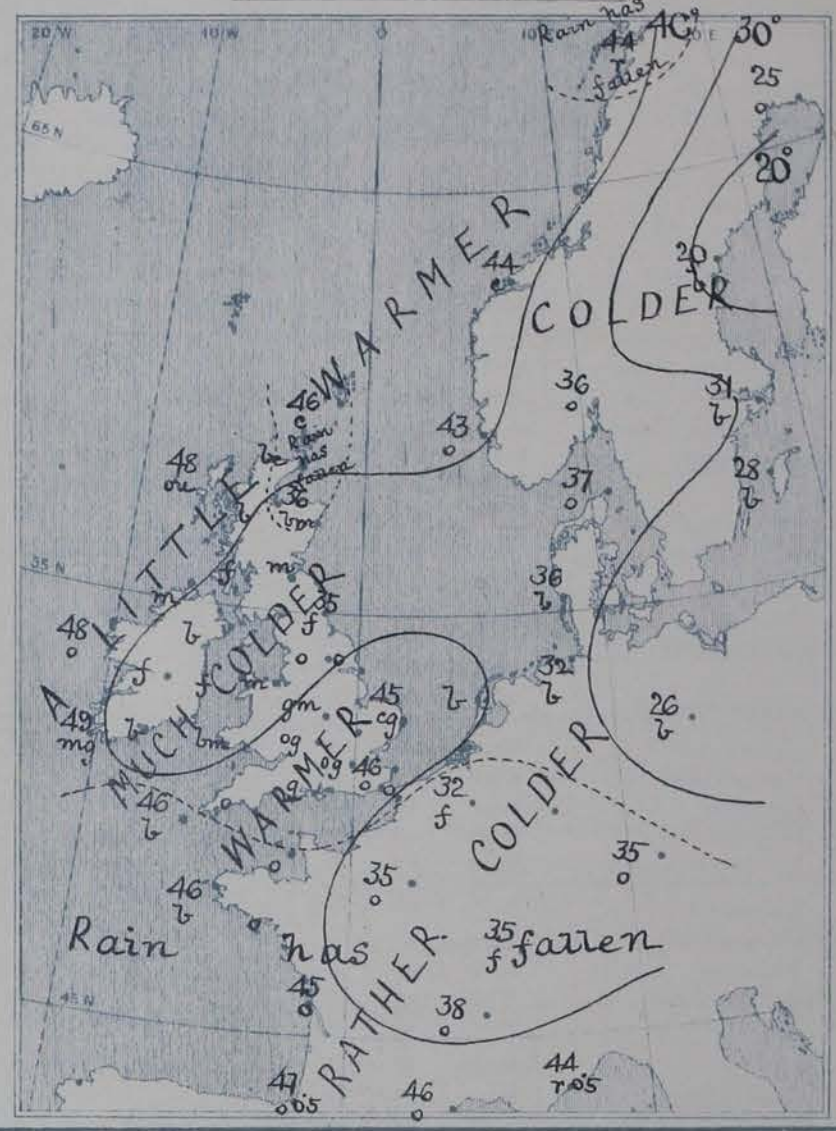


TEMPERATURE & WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	29	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92 *	—	

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 30.32 ins. at Wisby; 30.1 ins. and upwards in an anticyclone lying over Denmark, the Baltic and the south of Scandinavia, and extending in the form of a narrow band across the North Sea, the N. of England, Wales and the east of Ireland.
Lowest 29.5 ins. and less in a depression over the Gulf of Genoa; 29.8 ins. and less in another disturbance off the NW. of Norway.
Gradients moderate or slight generally. Barometer falling in Ireland, Scotland and Scandinavia, but rising elsewhere.

TEMPERATURE

Highest (1) 54° at Lisbon, and 47° at Biarritz; (2) 49° at Valencia (Ireland), and 48° at Belmullet and Stornoway; (3) 47° at Jersey and the North Foreland.
Lowest (1) 20° at Hernösand, 25° at Haparanda, 26° at Berlin, and 28° at Wisby; (2) 33° at Leith, and 34° at Donaghadee & Parsonstown.
Frost occurred last night in many parts of the United Kingdom, the lowest reading reported being:—(1) In the screen 30° at Parsonstown and Cambridge, and 31° at Leith; (2) on the grass 26° at Loughborough.

WIND

Light to moderate from the E^wd. in Denmark and Germany, from the NE^wd. over the greater part of England, and from the N^wd. in France.
Rather variable in Ireland; S. ¼ in the N. of Scotland, and strong in force in the Hebrides; SW. ¼ in the west of Norway, with a gale at Bodö.

WEATHER

Fine at most of the W^rn. and N^rn. stations, as well as in Sweden, Denmark & Germany, but with fog in places.
Dull in nearly all other parts of our area, with rain at Bodö, and also at Nice.
Slight rain fell yesterday in the extreme N. and SW. of our Islands, and larger quantities in France. Lunar halos were seen at some of the English stations, and also at Belmullet.

SEA

Rough at Stornoway and rather rough on the E. and SE. coasts of England, as well at Bodö and Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions of irregular form are beginning to appear off our N. and NW. coasts, and unsettled weather is therefore probable over Ireland and Scotland. Over England the conditions are likely to remain fair and dry for the present, but with fog or mist in places.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. ¼ and SW. ¼ winds, freshening; dull, some rain.
1	SCOTLAND EAST	S. ¼ winds, moderate; fine at first, some rain later.
2	ENGLAND N.E.	Variable breezes, finally SW. ¼; fair generally, but local fogs.
3	ENGLAND EAST	N. ¼ to variable breezes; dull, with mist or fog in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	Same as No. 1.
8	ENGLAND S.W.	NE. ¼ and E. ¼ winds, light; fair generally.
9	IRELAND NORTH	Varying S. ¼ breezes; dull, unsettled, some rain.
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 ...	30·19	43	42	S	2	o	3
Sumburgh Head	30·06	45	44	S	2	o	5
Stornoway	29·99	51	50	SSW	4	c	4
Aberdeen	30·06	46	45	NW	1	og	7
Shields	30·02	48	46	E	2	b	3
Ardrossan	30·03	49	49	N	2	c	1
Malin Head ...	30·03	49	49	W	1	bc	2
Belmullet	30·09	52	47	NNW	2	c	*
Holyhead	29·99	49	47	NNE	4	o	3
Valencia	30·10	49	46	NNW	3	c	4
Scilly	29·92	51	48	NNW	6	cp	4
Jersey	29·80	48	45	NNW	4	bc	3
Hurst Castle ...	29·87	47	44	ENE	4	c	3
Dungeness ...	29·81	48	45	ENE	4	c	3
North Foreland	29·84	48	45	ENE	3	c	3
London (Westminster)	29·90	50	45	NE	3	bcmv	*
Yarmouth ...	29·91	47	45	ENE	3	b	3
Rochefort ...	29·75	50	49	N	5	c	*

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

Weather in morning fine in Ireland, the E. of England, the Netherlands and the central and southern parts of Russia. Cloudy or dull in nearly all other parts of Europe, with showers at some of our own N^W. and central stations, and with steady rain in many parts of France, Spain and Italy. Snow reported at Bodö. Sky clearing later over Gt. Britain, but rain continuing at several of the French stations. Lunar halos seen in various parts of England and Ireland.

Temperature fallen over the W^n. and N^w. countries, but risen elsewhere. Morning readings highest 65° at Malta, and 59° at Lesina, Athens, Patras and Oran. Lowest 8° at Moscow, Riga and Kiev, 11° at Kharkov, and 17° at Odessa; slightly below the freezing point in some parts of Sweden, and also in the E. of England. Rising during day to between 47° and 50° over our Islands generally, and to 52° at Belmullet and Scilly, exceeding 50° over France and reaching 59° at Lisbon. Frost occuring over the N^w. and central parts of our Islands at night.

Wind light to moderate from the SE^wd. in Germany and Austria, and from the E^wd. or NE^wd. over Denmark, the Netherlands and the E^w. parts of Gt. Britain. Fresh to strong from the N^d. or NW^wd. over the west of our Islands and the greater part of France and Spain; S^y. (SW. to SE) over Italy. SW^y. over northern Russia; variable in the N. of Scandinavia. Subsequently shifting to the S^wd. on our own extreme N. and NW. coasts; no decided change occurring elsewhere.

Barometer highest 30.4 ins. and upwards over the Baltic provinces; 30.0 ins. and upwards in an anticyclone covering nearly the whole of N^w. and E^w. Europe, and also in another system extending from the Atlantic over the W^w. parts of Ireland and Spain. Lowest 29.5 ins. and less in a depression over N^w. Italy and the adjacent parts of the Mediterranean; 29.65 ins. and less in a small system over the N. of France. Latter disturbance subsequently moving S^wd., but new depression beginning to appear off our extreme NW. coasts.

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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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 18th November, 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.		Temperatures.			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 ...	29.75	33	S	2	c	30.00	+.11	28	27	+ 3	nl	2	b	*	c	*	36	14	-
	Hernösand ...	30.08	25	SW	0	b	30.05	-.06	19	18	- 1	SW	0	b	*	b	*	30	18	-
	Stockholm ...	30.27	31	SW	0	0	30.15	-.13	36	35	+ 5	SW	0	0	*	0	*	36	28	-
	Wisby	30.25	32	SSE	4	c	30.15	-.17	34	33	+ 6	SE	4	b	*	c	*	34	23	-
	Karlstad ...	30.20	31	E	4	0	30.12	-.14	26	25	- 1	SW	0	0	*	0	*	*	*	-
	Bodö	29.86	41	WSW	8	b	29.92	+.18	37	35	- 1	E	4	bc	1	b	*	44	36	0.35
	Christiansund ...	30.02	43	SW	0	0	29.86	-.18	39	37	- 5	ESE	2	0	3	0	*	46	39	-
	Skudesnaes ...	30.11	42	S	2	0	29.93	-.26	41	37	- 2	SE	8	0	5	0	*	43	39	*
	Færder (Christiania Fjord)	30.19	35	NE	1	0	30.08	-.16	34	32	- 2	ESE	1	0	0	0	*	36	34	-
	Skagen (The Scaw)	30.12	37	E	1	c	30.08	-.15	34	32	- 3	ESE	1	0	0	c	*	37	32	-
	Fanö	30.05	36	ENE	4	c	29.99	-.13	36	35	0	E	4	0	*	c	*	43	34	-
British Islands.	Sumburgh Head	29.81	45	S	1	0	29.54	-.42	46	46	0	S	4	r	5	0	*	48	43	0.05
	Stornoway ...	29.75	46	SSW	6	r	29.38	-.51	50	50	+ 2	SSW	7	0	7	r	0.0	50	45	0.10
	Wick	29.83	45	S	3	0	29.46	-.41	47	46	+ 5	S	5	c	2	0	*	47	41	-
	Nairn	29.82	45	SW	0	0	29.50	-.47	48	46	+ 1	SW	0	c	1	0	*	50	38	0.03
	Aberdeen ...	29.90	40	SSW	4	cgj	29.63	-.42	43	43	+ 1	SSE	4	ogqr	5	c.gj	2.7	44	36	0.07
	Leith	29.95	39	SW	0	m	29.64	-.45	45	44	+ 12	ESE	1	om	*	m	*	45	29	0.05
	Shields	30.01	39	SW	1	bf	29.75	-.37	36	35	+ 1	SW	2	c	2	f.bf	*	43	33	-
	Spurn Head ...	30.00	44	nl	3	0	29.86	-.22	42	40	- 3	WSW	3	0	3	0	*	45	41	-
	York	30.03	41	SSE	1	0	29.83	-.30	39	37	+ 1	S	1	c	*	0	0.0	42	36	-
	Loughborough ...	30.04	42	SW	1	0	29.91	-.20	37	36	- 4	SSW	1	cmw	*	gm.o.cm	*	43	37	-
	Ardrossan ...	29.93	47	SSE	3	om	29.60	-.47	49	49	+ 11	SSE	5	cm	5	om	*	49	37	0.30
	Malin Head ...	29.80	46	S	5	or	29.60	-.37	47	45	+ 3	W	6	cgj	4	o.r	*	48	43	0.16
	Belmullet ...	29.79	50	S	4	om	29.78	-.23	48	41	- 2	WNW	4	c	*	o.om	*	55	41	0.23
	Donaghadee ...	29.90	45	SW	3	c	29.65	-.45	49	49	+ 15	SW	5	r	3	m.c.r	*	49	34	0.20
	Liverpool (Bidston)	30.03	38	SE	2	bf	29.81	-.32	38	36	+ 2	SE	2	0	1	bf	*	45	34	-
	Holyhead ...	30.00	43	S	1	c	29.75	-.37	48	47	+ 11	S	4	gfr	3	bc.c.r	*	48	37	0.11
	Parsonstown ...	30.00	45	S	1	r	29.78	-.31	49	47	+ 15	W	2	0	*	c.or	1.0	51	34	0.15
	Valencia ...	29.94	51	SSE	3	odm	29.91	-.17	49	45	0	NW	5	bcgj	5	omg.dgj	0.0	54	47	0.43
	Roche's Point ..	30.01	48	SSW	2	c	29.85	-.28	49	48	+ 13	NW	4	cm	3	om.c	*	50	36	0.20
	Pembroke (St. Ann's Hd.)	30.03	45	SE	2	b	29.82	-.30	51	51	+ 12	SW	5	r	5	b	5.8	51	39	0.10
	Scilly	30.03	49	N	1	b	29.91	-.17	53	52	+ 7	WSW	4	m	2	b	5.6	53	44	0.08
	Prawle Point ...	30.05	41	N	2	0	29.95	-.14	46	45	+ 5	SW	4	o	3	c.o	*	47	35	-
	Jersey (St. Aubin's)	29.99	46	NNW	3	0	29.99	-.03	45	43	- 2	NW	2	cm	2	og.o	*	48	43	-
	Hurst Castle ...	29.98	44	NNE	2	om	29.94	-.09	41	40	- 4	W	1	cm	0	og.om	*	46	40	-
	Dungeness ...	29.89	46	NNE	4	0	29.89	-.05	42	41	- 4	NNW	2	0	1	0	*	47	41	-
	North Foreland	29.94	47	N	5	0	29.90	-.07	43	41	- 4	NW	2	og	2	0	*	48	43	-
	London (Brixton) ...	29.99	45	N	2	0	29.92	-.10	42	40	- 2	WSW	1	ogm	*	og	0.0	46	40	-
	Oxford	30.00	42	N	3	0	29.93	-.15	39	38	- 3	WSW	1	o	*	og	*	43	38	-
	Cambridge ...	30.01	43	N	1	0	29.92	-.14	41	40	- 1	NNW	1	ogm	*	o	0.0	46	40	-
	Yarmouth ...	29.96	45	NE	4	c	29.89	-.10	43	40	- 2	NW	2	bcf	3	c.g.c	*	46	41	-
Germany & Holland.	Cuxhaven ...	29.99	36	E	3	b	29.93	-.09	28	28	- 4	SE	2	b	*	b	*	34	27	-
	Berlin	29.99	30	E	3	b	29.91	-.15	24	24	- 2	NE	3	b	*	b	*	36	23	-
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich... ..	29.69	34	E	4	0	29.88	+.16	33	33	- 2	SE	2	0	*	0	*	39	33	-
	The Helder ...	29.95	39	ENE	2	b	29.89	-.09	34	33	- 1	ESE	1	b	1	b	*	41	34	-
Belgium.	Brussels ...	*	*	*	*	*	29.93	.00	34	34	+ 2	nl	1	f	*	f	*	34	30	-
	Cape Gris Nez...	29.87	45	E	3	m	29.88	-.01	42	41	0	W	1	m	0	m	*	46	39	-
	Paris	29.93	35	WSW	3	0	29.95	+.01	33	33	- 2	N	1	f	*	0	*	37	32	-
	Brest	30.02	46	N	1	0	30.01	.00	50	48	+ 4	WNW	2	0	2	0	*	50	41	-
	Lorient... ...	29.91	48	N	5	0	29.91	.00	46	44	- 1	N	1	bc	2	0	*	50	39	-
France &	Rochefort ...	29.95	46	NNE	3	0	30.04	+.11	46	46	+ 1	N	5	0	*	0	*	48	45	-
	Belfort	29.75	36	E	0	f	29.82	+.11	37	37	+ 2	S	1	f	*	f	*	37	35	0.04
	Lyons	29.78	37	NNW	3	r	29.92	+.18	36	35	- 2	NW	2	0	*	r	*	41	36	0.04
	Nice																*			
	Perpignan ...	29.75	48	NW	4	0	29.87	+.18	47	42	+ 1	NW	6	c	*	0	*	50	45	-
	Biarritz ...	29.92	50	W	6	r	30.05	+.17	54	50	+ 7	NW	5	0	4	r	*	54	43	0.04
Peninsula.	Corunna ...																*			
	Lisbon	30.10	51	NNE	5	b	30.19	+.11	51	48	- 3	NNE	3	b	*	b	*	59	50	-
	Azores (P. Delgada)	30.28	64	S	4	0	30.28	-.02	62	60	- 1	SE	3	0	2	0	*	66	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 0.0 hrs; Eastbourne 0.0 hrs; Hastings 0.0. Brighton 0.0

WEATHER CHARTS

FOR ..... Wednesday, 18th November, ... 1896.

BAROMETER, WIND AND SEA.

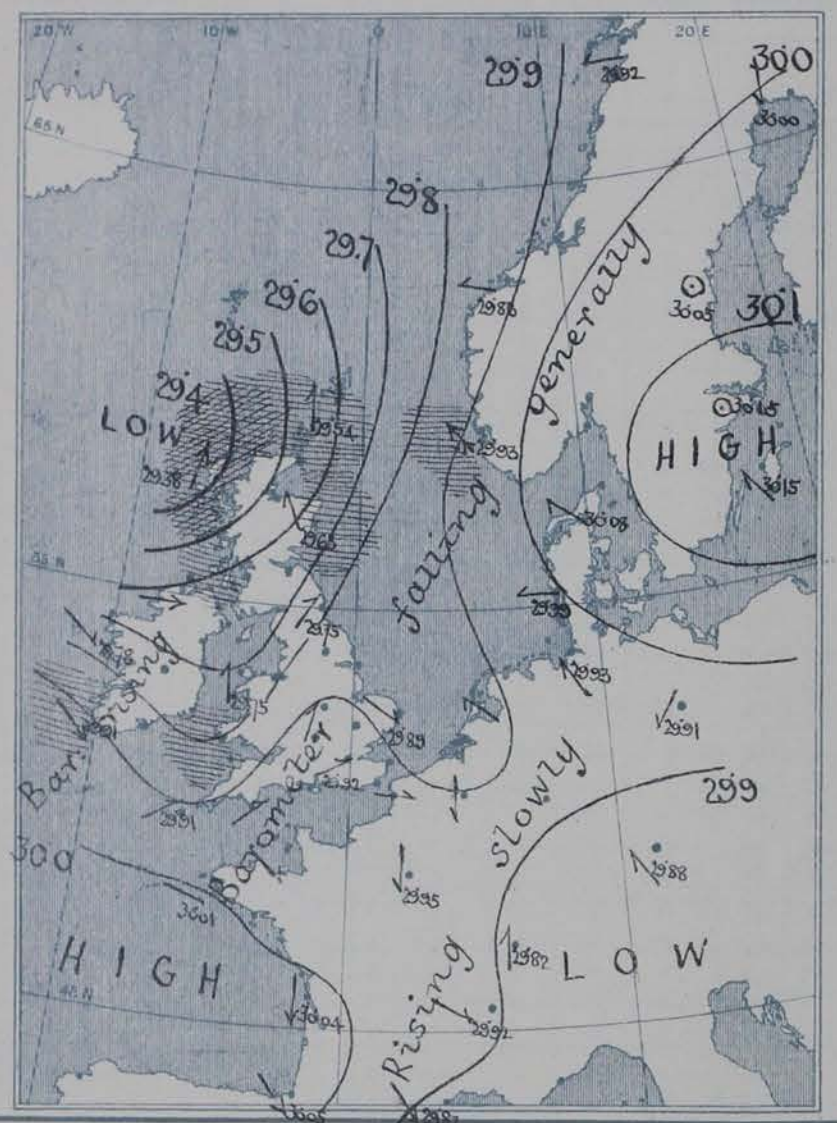
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

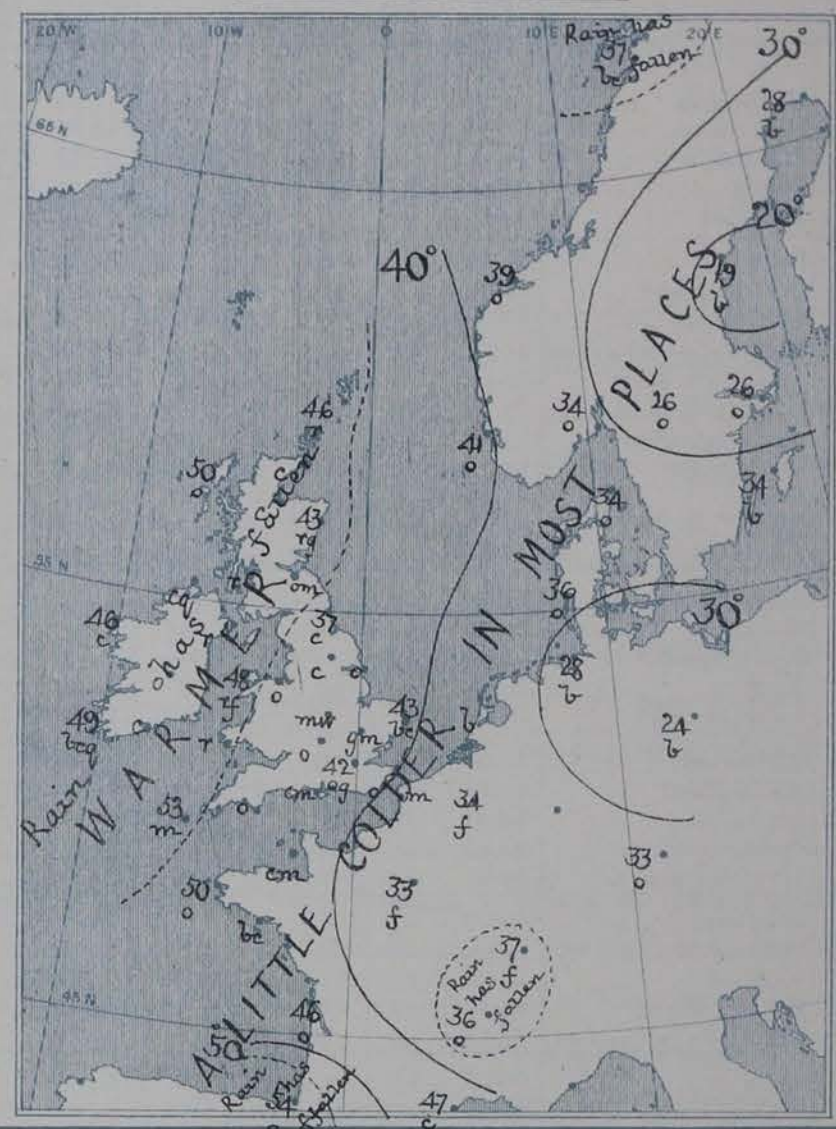


TEMPERATURE & WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, over the south of Sweden, and also over the Spanish Peninsula.
Lowest, 29·4 ins: and less, in a depression lying off the northwest of Scotland.
Gradients rather steep over the northern parts of our Islands and the North Sea, but slight elsewhere.
Barometer falling over Northwestern Europe generally, but rising again in Ireland; rising also at most of the French stations.

TEMPERATURE

Highest, 54° at Biarritz, 53° at Lilly, 51° at Pembroke and Lisbon, and 50° at Stornoway and Brest.
Lowest, (1) 19° at Hernösand, 24° at Berlin, 26° at Karlstad and 28° at Haparanda and Cochaven; (2) 37° at Shields and Loughborough.
A considerable rise has taken place in the west and north, and the change seems likely to spread southeastwards.

WIND

Fresh or strong from the S. in Scotland and from the SE. in the west of Norway, with a gale at Skudesnaes.
W. or NW. in Ireland; SW. over the greater part of England.
NW. or N. in France, but E. or SE. over Germany, Denmark, and the south of Scandinavia.

WEATHER

Dull over Western Europe generally, with rain at many of our western and northern stations, and with fog or mist over England and France.
Fine and bright over Sweden and North Germany.
Since yesterday morning rain has fallen in the west and north of our Islands generally, as well as in the southern parts of France.
Lunar halos were seen yesterday at several of the English and Irish stations.

SEA

High at Stornoway, and rather rough on all the more exposed parts of our western and northern coasts, as well as at Skudesnaes.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A series of "V shaped" secondary systems is lying over our western coasts and seems likely to move Eastwards.

Rain is, therefore, probable over England, with a temporary rise of the thermometer.

FORECASTS

For the 24 hours ending at NOON on 19th Nov.r 1896.

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	S. winds, strong, perhaps a gale; unsettled, some rain.
▼ 1	SCOTLAND EAST	
2	ENGLAND N.E.	S. winds, light; fair at first, some rain later.
3	ENGLAND EAST	W. and SW. winds, moderate; cloudy, some rain, becoming temporarily milder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▼ 6	SCOTLAND WEST	S. to W. winds, strong; squally, some rain.
7	ENGLAND N.W.	SW. to NW. winds, fresh; some rain at first then fair.
8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	W. and NW. winds, backing later; fair at first, then cloudy with some rain
10	IRELAND SOUTH	
	WARNINGS	At 7·20 pm to districts 0. 6. and parts of 1 and 9 "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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·16	43	39	SW	2	0	2	Valencia	30·01	50	49	SSE	4	0 g m	4
Sumburgh Head	29·89	46	44	S	2	0	4	Scilly	30·06	51	47	NNE	1	6	1
Stornoway	29·84	47	47	SSW	5	r	5	Jersey	29·99	48	45	N	4	0 q	3
Aberdeen	29·96	44	41	SSW	3	c	4	Hurst Castle ...	30·01	45	43	NNE	3	0 q	2
Shields	30·06	43	41	SW	0	f	3	Dungeness ...	29·89	46	44	N	4	0	3
Ardrossan	29·98	47	47	SSE	3	c m	3	North Foreland	29·92	48	45	N	5	0	5
Malin Head ...	29·86	45	45	S	5	0	2	London (Westminster)	29·99	46	43	NNW	2	0 q	*
Belmullet	29·97	49	48	NNW	3	0	*	Yarmouth ...	29·98	46	44	NE	4	0 q	4
Holyhead	30·07	47	44	S	1	bc	1	Rochefort ...	29·93	47	45	NE	5	0	*

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

Weather in morning fine at most of our more western and northern stations, as well as in Sweden, Denmark, Germany, and the west and south of Russia. Cloudy or dull elsewhere, with mist or fog over England, central France, and the Netherlands, and with rain over Austria, Northern Italy, and the southeast of France, as well as at Bodö. (Thunderstorm reported at Malta.) Rain setting in at night over the west and north of our Islands; lunar halo seen at several of the English and Irish stations.

Temperature risen over the greater part of England, and also over Norway, Russia, and Austria, falling in most other countries. Morning readings highest 65° at Athens, 59° at Lesina and 57° at Puglia; above 50° at the Mediterranean and Adriatic stations generally, lowest 12° at Pisa, 13° at Odessa, 17° at Memel, and 19° at Kharkow; below the freezing point over Sweden, Russia, and Germany, and very little above it at some of our more central stations. Rising during day to 50° and upwards on several parts of our western coasts, but remaining below 45° over the northern and central parts of England, and below 40° over Central France.

Wind light to fresh from the E. or SE. over the central parts of the Continent generally, from the NE. or N. over England and the north and west of France, from the NW. over Spain and the south of France, and from the SW. over Algeria and Southern Italy. Variable in Ireland, S. in Scotland, and SW. in the west of Norway, with a gale at Bodö. Calm in Sweden. W. over northern and central Russia. S. winds setting in later over the west and north of our Islands generally, and blowing strongly in the extreme northwest.

Barometer highest 30·5 in. and upwards in the south of Russia, 30·1 in. and upwards in a large anticyclone covering the greater part of northern and eastern Europe, and extending in the form of a narrow band across England and the east of Ireland. Lowest 29·4 in. and less in a depression over the northern parts of the Adriatic; 29·8 in. and less over the extreme northern parts of Scandinavia and Russia. Next depression advancing later towards the west of Scotland, and barometer falling rather decidedly on our western and northern coasts.

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.

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 19th November, 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	28	SE	2	c	30·06	-·06	30	30	+ 2	SSE	2	s	*	c	*	37	18	-
	Hernösand ...	29·99	29	SE	4	o	29·99	-·06	28	27	+ 9	x	o	c	*	o	*	32	18	-
	Stockholm ...	30·01	37	x	o	o	29·95	-·20	37	37	+ 1	E	2	f	*	o	*	37	30	-
	Wisby	30·00	35	SSE	4	o	29·93	-·22	35	34	+ 1	SE	4	r	*	o	*	36	28	-
	Karlstad ...	29·98	25	NE	2	o	29·93	-·19	30	29	+ 4	N	2	o	*	o	*	*	*	-
	Bodö	29·82	38	E	2	b	29·76	-·16	37	33	0	ENE	2	b	1	b	*	39	34	-
	Christiansund ...	29·70	36	ESE	1	bc	29·77	-·09	39	36	0	SE	2	c	4	bc	*	39	36	-
	Skudesnaes ...	30·18	40	SSE	8	o	29·81	-·12	40	38	- 1	SE	4	o	5	c.o	*	41	39	*
	Færder (Christiania Fjord)	29·97	29	E	2	o	29·93	-·15	30	29	- 4	NE	2	o	1	o	*	34	28	-
	Skagen (The Scaw)	29·96	34	x	o	b	29·89	-·19	35	32	+ 1	ENE	1	o	o	b	*	37	32	-
	Fanö	29·86	36	ESE	2	o	29·82	-·17	34	34	- 2	SE	2	c	*	o	*	39	30	-
British Islands.	Sumburgh Head	29·45	45	W	3	r	29·79	+·25	43	41	- 3	SSW	2	c	4	r	*	47	38	0·33
	Stornoway ...	29·71	41	NW	3	o	29·63	+·25	47	47	- 3	WSW	5	o	5	rq.c.o	1·7	50	36	0·13
	Wick	29·58	40	NW	6	bc	29·72	+·26	42	40	- 5	SSW	3	c	1	r.bc.hp	*	48	32	0·25
	Nairn	29·71	41	WNW	2	c	29·77	+·27	40	39	- 8	x	o	c	1	o	*	50	33	0·05
	Aberdeen ...	29·71	41	WNW	5	bq	29·86	+·23	36	34	- 7	SW	2	bcm	2	orq.bq	0·0	45	33	0·09
	Leith	29·78	41	W	2	b	29·91	+·27	42	39	- 3	WSW	2	b	*	b	*	50	32	0·03
	Shields	29·78	43	WSW	3	b	30·00	+·25	36	35	0	SSW	2	cm	2	r,o,b	*	46	34	0·15
	Spurn Head ...	29·81	45	W	4	bm	30·03	+·17	39	38	- 3	WNW	4	bmw	3	o,bm	*	45	38	0·01
	York	29·81	44	W	1	bc	30·06	+·23	33	33	- 6	W	1	f	*	bc	o o	44	31	0·03
	Loughborough ...	29·91	42	W	2	b	30·10	+·19	30	30	- 7	W	1	bcm	*	c.or.bf	*	45	30	0·06
	Ardrossan	29·83	45	W	5	b	29·90	+·30	46	44	- 3	SSW	4	c	5	b	*	50	42	0·14
	Malin Head ...	29·88	45	W	5	bcm	29·75	+·15	42	41	- 5	S	5	ogm	3	b,bcm	*	47	39	-
	Belmullet ...	29·99	45	S	3	bc	29·77	-·01	49	47	+ 3	WSW	2	o	*	bc	*	52	41	-
	Donaghadee ...	29·90	41	W	3	b	29·96	+·31	38	38	- 11	SW	4	b	2	b	*	49	33	0·01
	Liverpool (Bidston)	29·91	43	WNW	4	b	30·05	+·24	40	36	+ 2	SW	2	b	2	r.b	*	49	38	0·11
	Holyhead ...	29·95	47	WNW	4	bc	30·06	+·31	44	41	- 4	SW	3	c	2	bc	*	51	41	0·17
	Parsonstown ...	30·03	38	x	o	b	29·98	+·20	37	36	- 12	x	o	b	*	b	5 6	50	33	-
	Valencia ...	30·08	45	x	o	b	29·97	+·06	50	48	+ 1	S	4	oq	4	c.b	5·4	50	35	-
	Roche's Point ...	30·04	46	NW	3	b	30·06	+·21	48	46	- 1	SW	4	o	4	b	*	50	36	-
	Pembroke (St. Ann's Hd.)	29·97	50	NNW	4	bc	30·10	+·28	47	44	- 4	W	3	bc	4	bc	3.9	51	42	0·04
	Scilly	30·01	50	NNW	4	c	30·12	+·21	45	42	- 8	SSW	1	c	5	c	2·2	54	42	0·02
	Prawle Point ...	29·98	47	NNW	2	c	30·16	+·21	38	36	- 8	WNW	3	bc	2	r.c	*	51	35	0·10
	Jersey (St. Aubin's)	29·96	50	NNW	2	omr	30·16	+·17	41	40	- 4	NW	3	cm	3	ogrm	*	54	39	0·08
	Hurst Castle ...	29·93	49	NNW	1	om	30·14	+·20	36	35	- 5	NNE	1	bcm	1	rm.om	*	49	34	0·04
	Dungeness ...	29·89	45	WSW	3	r	30·09	+·20	34	33	- 8	W	2	c	1	o.r	*	45	33	0·02
	North Foreland	29·93	42	S	2	o	30·09	+·19	39	38	- 4	NW	3	bc	2	o	*	45	38	-
	London (Brixton) ...	29·91	45	NW	2	om	30·12	+·20	32	32	- 10	WSW	1	bf	*	oa,o,b	0·0	46	31	0·03
	Oxford	30·00	43	NNW	4	bc	30·14	+·21	33	32	- 6	WSW	1	b	*	o,r,bc	*	46	33	0·03
	Cambridge ...	29·91	44	SW	1	o	30·11	+·19	31	31	- 10	NW	1	bm	*	o,b	0·5	46	30	0·02
	Yarmouth ...	29·85	42	SW	2	cpam	30·04	+·15	35	34	- 8	W	3	bf	3	bc.pam	*	44	34	0·02
Germany & Holland.	Cuxhaven ...	29·85	32	S	1	b	29·83	-·10	35	35	+ 7	SSW	2	m	*	b,a	*	36	27	0·04
	Berlin	29·86	31	SE	2	o	29·95	+·04	28	27	+ 4	W	3	o	*	o	*	30	24	-
	Wiesbaden ...	*	*	*	*	*	30·06		41	40		NW	2	o	*	*	*	46	37	-
	Munich	29·93	37	W	4	o	30·09	+·21	36	36	+ 3	W	5	r	*	o	*	41	33	0·08
	The Helder ...	29·86	43	SW	1	o	29·97	+·08	46	44	+ 12	NW	1	b	1	o	*	46	34	-
Belgium.	Brussels ...	*	*	*	*	*	30·07	+·14	39	39	+ 5	WSW	1	f	*	o	*	40	34	0·04
	Cape Gris Nez ...	29·89	45	W	1	r	30·02	+·14	42	40	0	N	2	m	2	r	*	48	39	0·08
	Paris	30·01	39	SSW	2	o	30·09	+·14	42	42	+ 9	S	2	f	*	o	*	42	33	0·04
	Brest	30·03	52	NW	2	f	30·13	+·12	50	43	0	NNW	1	o	2	f	*	54	39	0·08
	Lorient	30·01	48	NW	5	c	30·16	+·19	48	48	+ 2	N	4	c	3	c	*	52	45	0·08
France &	Rochefort ...	30·11	49	NW	3	o	30·20	+·16	49	49	+ 3	WNW	3	o	*	o	*	50	46	0·12
	Belfort	29·99	35	SSW	3	f	30·12	+·30	35	35	- 2	SE	2	m	*	f	*	38	34	0·04
	Lyons	30·07	39	NNW	2	o	30·19	+·27	38	36	+ 2	NW	1	o	*	o	*	41	36	-
	Nice	29·83	48	x	o	o	29·94	+·19	42	40	- 2	E	1	b	2	o	*	54	42	-
	Perpignan ...	30·03	50	NW	3	o	30·07	+·20	52	45	+ 5	NW	4	c	*	o	*	54	47	-
	Biarritz ...	30·11	54	NW	4	o	30·15	+·10	55	53	+ 1	NW	3	o	5	o	*	55	50	0·24
Peninsula	Corunna ...																*			
	Lisbon	30·21	53	NNE	5	b	30·27	+·08	52	49	+ 1	NE	4	b	*	b	*	59	51	-
	Azores (P. Delgada)	30·31	64	S	4	b	30·34	+·06	63	60	+ 1	SSE	4	c	3	o	*	66	61	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 1·6 hrs; Eastbourne 0·0 hrs; Hastings 0·0, Brighton 0·0.

WEATHER CHARTS

FOR *Thursday, 19th November, 1896.*

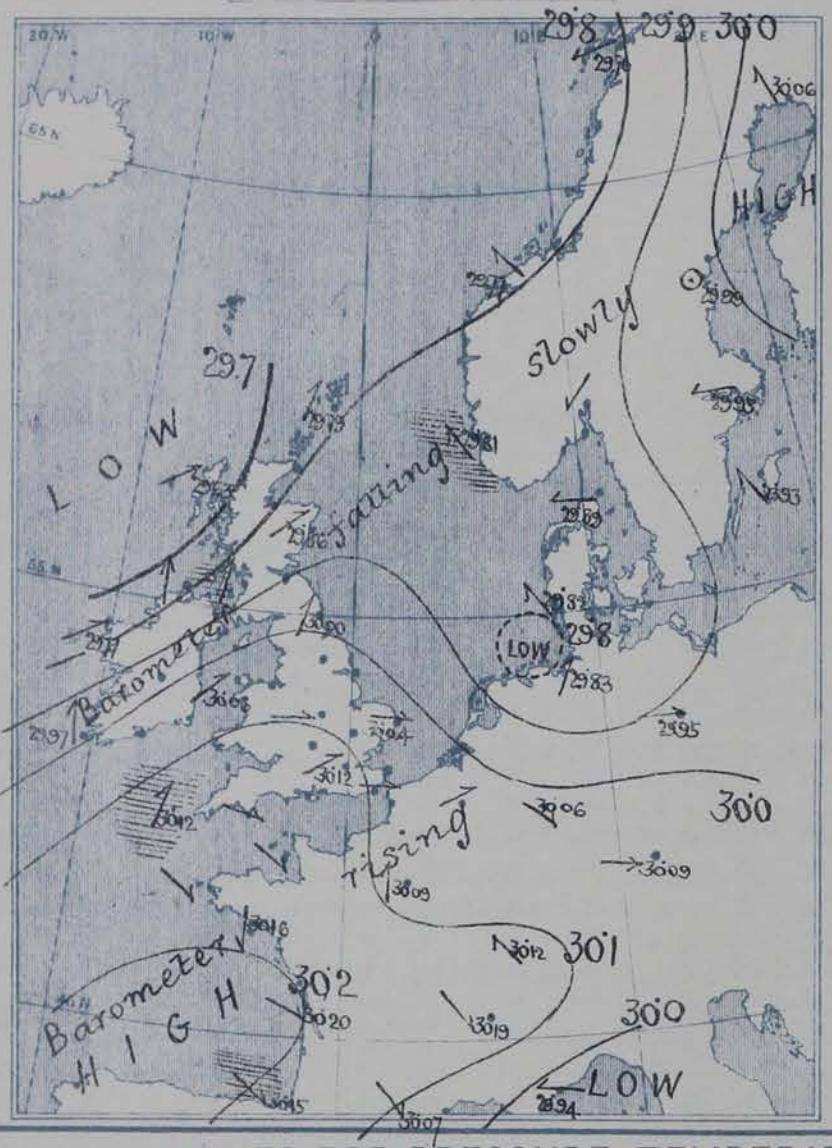
BAROMETER, WIND AND SEA.

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*

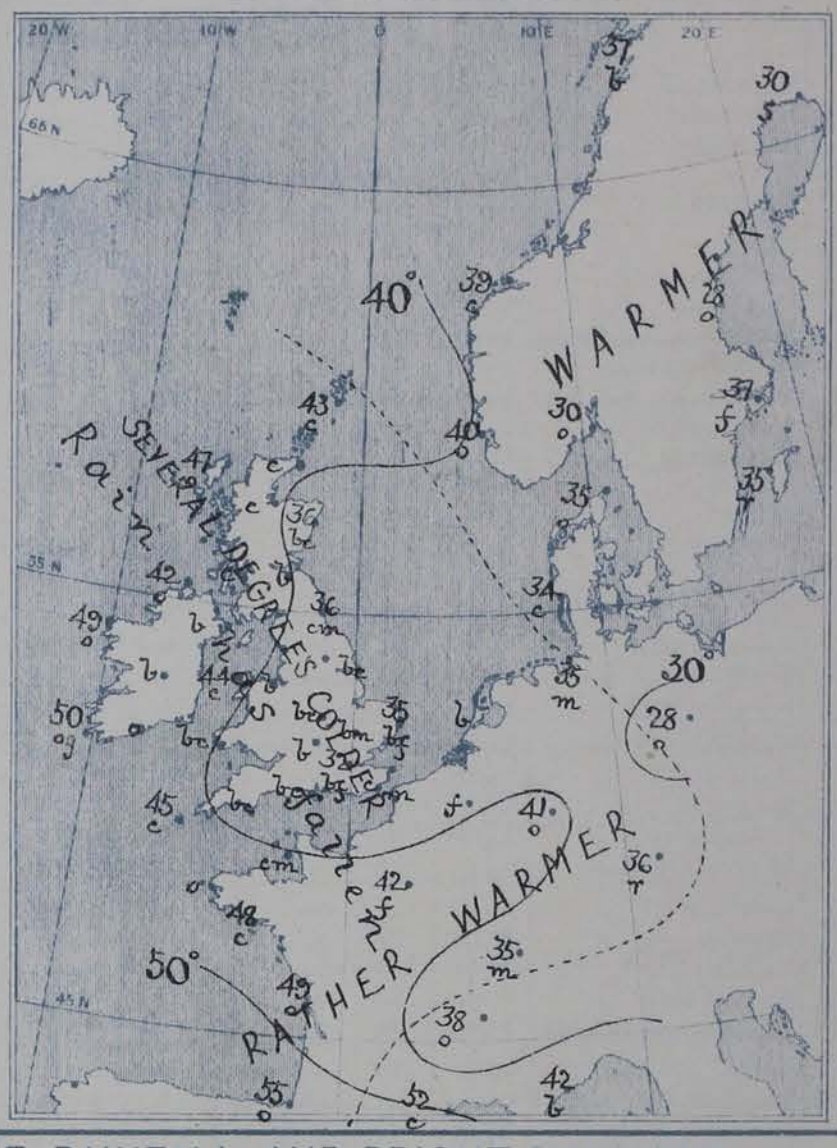


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·708	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80		
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·9	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	

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, 302 m/m and upwards in an anticyclone lying over the Bay of Biscay and the Spanish Peninsula; 300 m/m and upwards over the Gulf of Bothnia.
Lowest, 297 m/m and less, in a depression lying off the northwest of Scotland.
Gradients moderate to rather steep over Ireland and Scotland, but slight elsewhere.
Barometer falling on our extreme western and northern coasts, as well as in Scandinavia and Denmark, but rising elsewhere.

TEMPERATURE

Highest, 55° at Biarritz, 52° at Perpignan and Lisbon, 50° at Valencia (Ireland) and Brest, and 49° at Gilmalleb and Rochefort.
Lowest, 28° at Hamburg and Berlin, 30° at Haparanda and Karlstad, and 34° at Sweden; (2) 30° at Loughborough, 31° at Cambridge, and 32° in London
Frost occurred last night in many parts of Great Britain, the lowest readings reported being:—(1) In the screen 30° at Loughborough and Cambridge, 31° at York and in London; (2) On the grass 24° at Loughborough.

WIND

SW[3] on our western and northern coasts and fresh in force in the extreme northwest.
Light from the W[ly] or NW[ly] over the greater part of England, France, Germany, and the Netherlands.
E[3] or SE[3] in Scandinavia and Denmark

WEATHER

Fine over the greater part of our Islands, but foggy or misty in the east and southeast of England, and dull on our extreme western coasts.
Dull at many of the Continental stations, with rain at Wisby and Munich, and snow at Haparanda. Fine in the extreme south of France and at Lisbon.
Rain fell yesterday in most parts of Great Britain, France, and the Netherlands, but the quantity was as a rule very small.
A lunar halo was seen at Stornoway.

SEA

Rather rough at Shudesnaes, Stornoway, Aberdeen, Scilly and Biarritz, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression which has appeared off our northwest coasts will probably occasion a decided increase of wind from the SW[ly] in Scotland and the north of Ireland. The southern parts of the Kingdom are not likely to be materially affected by the disturbance.

FORECASTS

For the 24 hours ending at NOON on 20th Nov[r] 1896.

DISTRICTS.		FORECASTS.
↑ 0	SCOTLAND NORTH	S[ly] and SW[ly] winds, increasing in force; fair at first then squally and rainy.
↑ 1	SCOTLAND EAST	
2	ENGLAND N.E.	W[ly] to SW[ly] winds, moderate; fair at first, some rain later.
3	ENGLAND EAST	W[ly] to SW[ly] winds, light or moderate; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
↑ 6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	SW[ly] winds, freshening; fine at first, some rain later.
8	ENGLAND S.W.	
↑ 9	IRELAND NORTH	S[ly] and SW[ly] winds, increasing in force; dull, some rain.
10	IRELAND SOUTH	
	WARNINGS	The South Cone is still flying in districts 0, 6, and parts of 1 and 9.

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 ...	29.85	41	37	SSE	9	c	5
Sumburgh Head	29.40	46	46	S	4	f	6
Stornoway	29.55	43	42	NNW	4	c	4
Aberdeen	29.57	45	44	SW	3	o g r	4
Shields	29.68	44	40	SW	3	o	2
Ardrossan	29.68	47	46	W	6	b	4
Malin Head ...	29.78	45	43	W	5	b	4
Belmullet	29.90	49	44	WNW	3	bc	*
Holyhead	29.88	47	43	NW	5	bc	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.02	49	43	WNW	4	c	5
Scilly	29.95	53	51	NW	4	c	2
Jersey	29.97	50	49	SW	3	or	3
Hurst Castle ...	29.91	48	47	SW	3	rm	2
Dungeness ...	29.88	44	41	WSW	3	o	2
North Foreland	29.91	44	41	WNW	2	o	2
London (Westminster)	29.89	48	44	SW	2	og	*
Yarmouth ...	29.85	44	41	W	2	bc	3
Rochefort ...	30.08	48	46	NW	4	o	*

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

Weather in morning dull over western and northern Europe generally, with rain at several of our western and northern stations, and with fog or mist over Belgium, Central France, and the southeastern part of our Islands. Fine in many parts of Germany, Spain, Italy, and the south of Russia; dull in Austria, with rain at Vienna and Buda Pesth. Slight rain falling later in nearly all parts of Great Britain, France, and the Netherlands, but improving weather spreading over our Islands towards evening.

Temperature rising briskly in the west and north of our coasts and to a less extent at the Baltic stations, falling elsewhere. Morning readings highest 62° at Athens, 60° at Patras, and 59° at Malta; above 50° at most of the Mediterranean, Adriatic, and Spanish coast stations, and also in the extreme southwest of our Islands. Lowest 15° at Kharkov, 17° at Moscow and Riga, 19° at Hernösand and 20° at Hiss; below the freezing point over nearly the whole of Sweden, Russia, and Germany. Rising during day to 50° and upwards at several of our own western and northern stations, and also in the west and south of France, and reaching 55° at Biarritz. Frost occurring in many parts of our Islands at night.

Wind W^{ly} or NW^{ly} in Ireland, but SW^{ly} over the greater part of England and S^{ly} in Scotland; fresh or strong in force on our extreme northwest coasts. Light from the NW^{ly} in the extreme southeast of England and also over the greater part of France; N^{ly} over the Spanish Peninsula, E^{ly} or SE^{ly} over Austria, Germany, Denmark, and Norway, with a gale at Skudesnaes; W^{ly} in northern Russia. SW^{ly} over the south of Italy, but variable in Greece. Subsequently veering to the NW^{ly} on our western and northern coasts generally.

Barometer highest 30·5 in: and upwards in the south of Russia; 30·1 in: and upwards, in an anticyclone covering nearly the whole of Russia and the south of Sweden, and also in another system lying over the Spanish Peninsula. Lowest 29·4 in: and less, in a depression lying off the northwest of Scotland; 29·6 in: and less, in another disturbance over the extreme north of Russia; 29·8 in: and less, in a third lying over northern Italy and the adjacent parts of the Adriatic and Mediterranean. Depression off Scotch coast subsequently moving away to the northeastward, and barometer rising over Western Europe generally.

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 Friday, 20th November, 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 ...	30·10	30	S	2	o	30·08	+·02	27	26	− 3	SSE	2	o	*	o	*	32	21	-
	Hernösand ...	30·02	30	E	2	S	29·92	−·07	33	31	+ 5	E	o	ʃ	*	S	*	33	25	0·12
	Stockholm ...	29·96	37	E	o	o	29·95	·00	38	37	+ 1	SE	2	o	*	o	*	39	36	0·04
	Wisby	29·95	37	SE	4	o	29·95	+·02	37	36	+ 2	SE	4	o	*	o	*	41	32	-
	Karlstad ...	29·93	?	N	2	r	29·89	−·04	32	32	+ 2	N	2	o	*	r.s	*	*	*	-
	Bodö	29·82	36	ENE	4	o	29·69	−·07	33	30	− 4	ENE	4	b	1	o	*	39	32	-
	Christiansund ...	29·71	40	ESE	2	c	29·58	−·19	41	37	+ 2	SE	4	o	4	c	*	41	37	-
	Skudesnaes ...	29·85	41	S	6	o	29·64	−·17	41	39	+ 1	SSE	9	r	6	o	*	41	37	*
	Færder (Christiania Fjord)	29·96	31	NE	2	o	29·89	−·04	33	32	+ 3	E	2	o	1	o	*	33	28	-
	Skagen (The Scaw)	29·94	34	ENE	1	o	29·91	+·02	36	32	+ 1	SE	1	o	o	o	*	37	32	-
	Fanö	29·87	39	W	2	o	29·88	+·06	35	35	+ 1	SE	4	m	*	o	*	45	34	0·16
British Isles.	Sumburgh Head	29·44	43	S	4	r	29·49	−·30	40	37	− 3	WNW	3	c	4	o.r	*	47	37	0·10
	Stornoway ...	29·51	40	W	3	b	29·65	+·02	36	36	− 11	W	3	o	3	r.b	0·2	47	34	0·30
	Wick	29·48	40	S	4	c	?29·62	−·10	35	34	− 7	W	1	bc	1	c.sp	*	47	33	0·04
	Nairn	29·52	48	W	4	b	29·70	−·07	37	36	− 3	W	1	b	1	b.r	*	50	34	0·10
	Aberdeen ...	29·65	45	SSW	4	cqu	29·74	−·12	37	34	+ 1	W	3		2	c.qu	0·3	45	36	-
	Leith	29·69	47	WSW	2	o	29·81	−·10	40	38	− 2	WSW	3	b	*	o	*	49	38	-
	Shields	29·81	45	SSW	2	o	29·87	−·13	41	39	+ 5	SW	3	b	2	cm.r	*	46	35	0·01
	Spurn Head ...	29·94	40	SSW	3	bw	29·93	−·10	44	42	+ 5	WSW	4	c	2	bc,bw,p	*	46	39	0·[illegible]
	York	29·91	42	SSW	1	c	29·94	−·12	45	42	+ 12	W	2	bc	*	c	2·1	46	32	0·01
	Loughborough ...	30·01	38	SW	2	b	30·00	−·10	43	42	+ 13	W	2	c	*	bc,b,op	*	46	30	0·01
	Ardrossan ...	29·70	49	SSW	4	p	29·85	−·05	44	43	− 2	W	5	cqhp	4	o,p	*	49	40	0·11
	Malin Head ...	29·68	44	SW	4	bc	29·90	+·15	44	42	+ 2	W	5	bc	4	o,rq,bc	*	48	40	0·15
	Belmullet ...	29·78	47	WSW	5	bc	30·02	+·25	45	42	− 4	WNW	3	o	*	omq,bc	*	49	41	0·19
	Donaghadee ...	29·77	48	SW	5	o	29·94	−·02	39	38	+ 1	WSW	4	bc	2	p.o	*	48	36	0·04
	Liverpool (Bidston)	29·92	47	SSW	3	o	29·96	−·09	45	41	+ 5	W	4	b	4	bc,op	*	48	40	0·05
	Holyhead ...	29·87	50	SW	6	aqq	30·02	−·04	46	43	+ 2	W	5	c	4	cm.dqq	*	51	42	0·02
	Parsonstown ...	29·87	46	W	2	b	30·08	+·10	39	38	+ 2	W	o	b	*	o.r.b	0·3	51	36	0·03
	Valencia ...	29·96	50	SW	4	cp	30·17	+·20	49	45	− 1	W	4	o	3	orm.cp	0·0	54	45	0·13
	Roche's Point ..	29·95	50	W	3	c	30·17	+·11	45	42	− 3	W	3	b	3	c	*	51	42	0·01
	Pembroke (St. Ann's Hd.)	29·96	51	WSW	5	o	30·10	·00	49	46	+ 2	NW	5	b	5	bc,o	3·6	52	46	0·05
	Scilly	30·07	52	SSW	4	o.r	30·16	+·04	51	49	+ 6	WNW	5	c	5	c,om	4·6	53	47	0·03
	Prawle Point ...	30·16	49	WSW	4	c	30·15	−·01	48	46	+ 10	W	4	o	3	c.rf	*	51	37	0·05
	Jersey (St. Aubin's)	30·18	47	E	o	cqm	30·18	+·02	51	50	+ 10	WNW	3	opm	3	bc,cgm	*	53	39	0·05
	Hurst Castle ...	30·11	45	WSW	2	bm	30·08	−·06	47	46	+ 11	W	2	cm	2	bm	*	49	3[illegible]	0·02
	Dungeness ...	30·08	39	WNW	2	bc	30·03	−·06	48	47	+ 14	WSW	3	c	2	bc	*	50	33	0·05
	North Foreland	30·10	40	NW	2	o	30·03	−·06	47	45	+ 8	WNW	3	o	2	b,o	*	41	38	0·02
	London (Brixton) ...	30·09	38	SW	1	bm	30·05	−·07	46	45	+ 14	WSW	2	o	*	ʃ.b,o,r	0·9	49	32	0·03
	Oxford	30·06	42	SW	4	o	30·05	−·09	45	43	+ 12	WSW	3	b	*	bc,o	*	49	32	-
	Cambridge ...	30·06	35	SW	1	b	30·02	−·09	45	43	+ 14	SW	2	o	*	b	5·9	48	30	-
	Yarmouth ...	30·03	40	W	2	b	29·95	−·09	43	42	+ 8	W	3	bcʃ	3	bf.b	*	43	33	0·04
Germany & Holland.	Cuxhaven ...	29·92	41	WNW	1	c	29·93	+·10	36	36	+ 1	SW	3	c	*	p.c	*	45	35	0·04
	Berlin	29·96	38	W	3	o	30·00	+·05	36	35	+ 8	W	3	o	*	o	*	39	28	0·04
	Wiesbaden ...	*	*	*	*	*	30·13	+·07	38	36	− 3	SW	1	b	*	*	*	41	37	-
	Munich... ..	30·12	39	W	4	o	30·16	+·07	38	37	+ 2	W	5	o	*	o	*	41	36	0·04
	The Helder ...	30·00	45	WNW	2	b	29·91	−·06	46	46	o	WSW	2	r	1	b	*	46	45	0·08
Belgium.	Brussels ...	*	*	*	*	*	30·08	+·01	41	39	+ 2	SSE	2	o	*	c	*	46	34	-
	Cape Gris Nez...	30·07	44	NW	2	m	30·01	−·01	50	49	+ 8	W	3	*	3	m	*	50	41	0·24
	Paris	30·16	42	E	o	o	30·20	+·11	35	35	− 7	S	2	o	*	o	*	47	30	-
	Brest	30·17	50	WNW	2	bc	30·21	+·08	51	50	+ 1	NW	3	o	3	bc	*	54	45	-
	Lorient... ...	30·13	50	NW	4	o	?	?	50	49	+ 2	WNW	2	o	4	o	*	54	46	0·08
France &	Rochefort ...	30·24	52	WNW	3	m	30·33	+·13	49	49	o	SW	3	o	*	m	*	55	46	0·08
	Belfort	30·17	37	W	3	m	30·21	+·09	38	38	+ 3	W	2	ʃ	*	m	*	39	35	0·04
	Lyons	30·22	41	NNE	1	o	30·27	+·08	38	38	o	E	1	m	*	o	*	45	38	0·04
	Nice	29·99	47	E	1	b	29·99	+·05	46	39	+ 4	E	1	b	1	b	*	57	42	-
	Perpignan ...	30·14	55	NW	2	c	30·23	+·16	54	48	+ 2	NW	3	o	*	c	*	60	52	-
	Biarritz ...	30·20	55	NW	4	o	30·32	+·17	52	50	− 3	N	3	r	3	o	*	57	43	0·43
Penin-sula.	Corunna ...																*			
	Lisbon	30·34	55	NE	4	c	30·39	+·12	53	52	+ 1	NNE	4	c	*	c	*	63	50	-
	Azores (P. Delgada)	30·44	64	SE	4	c	30·43	+·09	63	58	o	SE	4	o	4	c	*	66	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 4·2 hrs; Eastbourne 6·8 hrs; Hastings 6·9 hrs. Brighton 6·3 hrs.

WEATHER CHARTS

FOR Friday, 20th November, 1896.

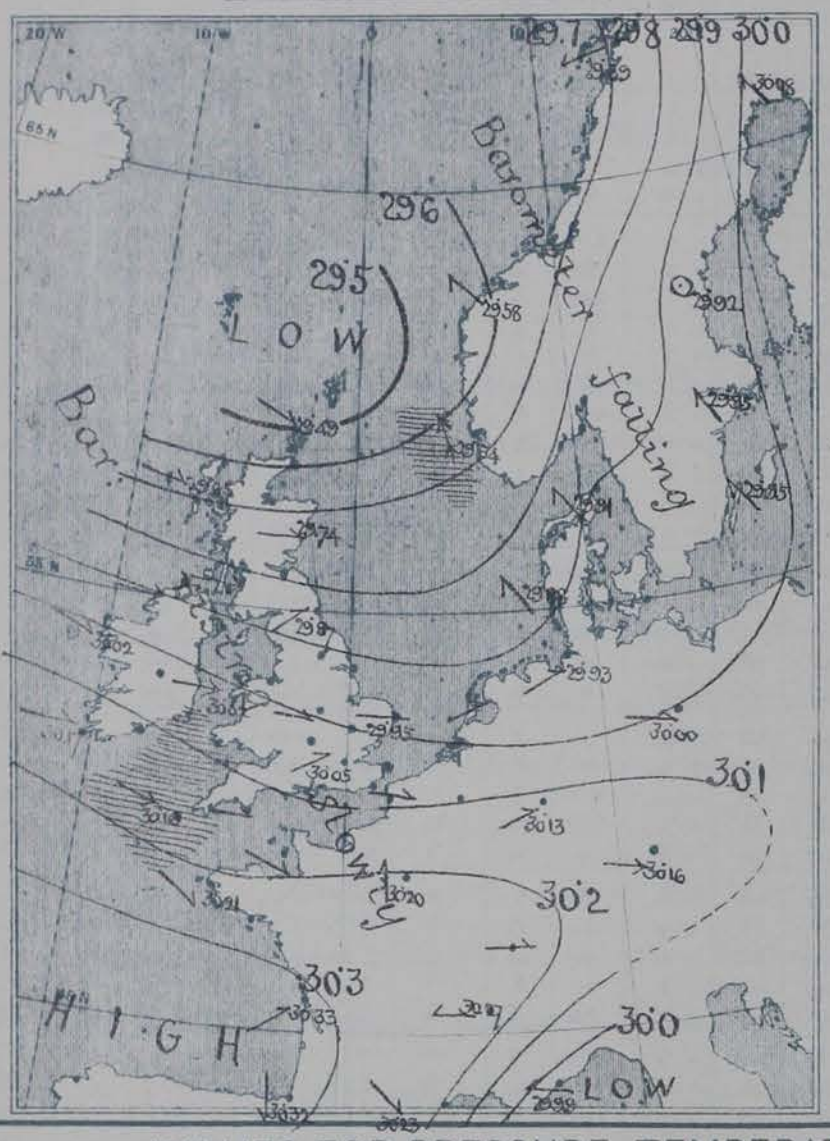
BAROMETER, WIND AND SEA.

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 ▓

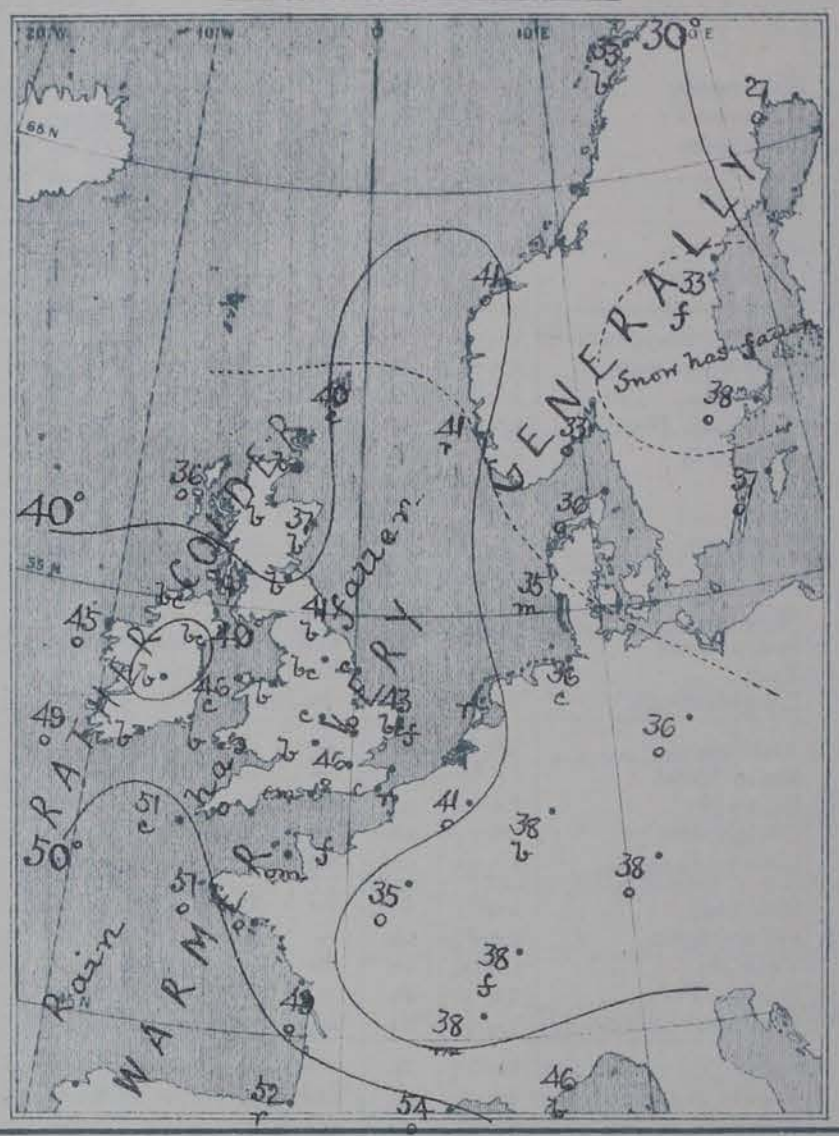


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·708	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63	1881, 93, 94, 95	19†	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·807	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	18	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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 in. and upwards, in an anticyclone lying over the Spanish Peninsula, the Bay of Biscay, and the southwest of France.
Lowest, 29·5 in. and less, in a depression lying to the northward of our Islands.
Gradients slight.
Barometer rising at all but the Scandinavian stations.

TEMPERATURE

Highest 54° at Perpignan, 53° at Lisbon, 52° at Biarritz, 51° at Scilly, Jersey and Brest, and 50° at Lorient.
Lowest (1) 17° at Haparanda, 32° at Karlstad, and 33° at Bodö, Hernösand and Falun; (2) 35° at Wick and 36° at Stornoway.
During yesterday the thermometer rose to 50° and upwards at several of our western and southern stations, and to 54° at Valencia (Ireland).

WIND

Light to fresh from the W.ward over our Islands and the north of France.
SW'ly over the Netherlands; SE'ly at most of the Scandinavian and Danish stations, with a gale at Skudesnaes.
Light from between N. and E. over the southern parts of France.

WEATHER

Fair or fine over the United Kingdom generally, but dull on our extreme western coasts, and showery, with hail, at Aberdeen.
Dull at most of the Continental stations, with fog or mist in places, and with rain at Skudesnaes, as well as at the Helder, Cape Gris Nez and Biarritz.
Since yesterday morning rain has fallen in most parts of Western Europe, but the amount has been as a rule very small.

SEA

Moderate or slight generally, but rough at Skudesnaes and rather rough at Pembroke and Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is still rather unsettled, but there are at present no distinct indications of the advance of any fresh disturbance. Fair weather seems likely to continue for a time over our eastern and southern districts.

FORECASTS

For the 24 hours ending at NOON on 21st Nov.r 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W'ly to SW'ly winds; fair at first, some rain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W'ly winds, light or moderate; fair generally.
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W'ly to SW'ly winds, moderate or fresh; fair generally.
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 ...	29.90	40	38	S	6	o	3
Sumburgh Head	29.87	45	42	S	4	o	5
Stornoway	29.82	47	47	SSW	8	r	9
Aberdeen	29.71	41	39	S	3	c	3
Shields	29.89	44	42	SSW	2	cm	2
Ardrossan	29.73	47	46	SSW	4	o	4
Malin Head ...	29.58	47	47	SW	6	o	4
Belmullet	29.75	48	47	W	5	o	*
Holyhead	29.96	49	46	SW	4	cqw	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.90	57	53	SW	5	rm	5
Scilly	30.11	52	48	SSW	3	c	5
Jersey	30.16	51	46	WNW	3	bc	3
Hurst Castle ...	30.11	48	44	SW	1	bm	1
Dungeness ...	30.09	46	43	WNW	2	bc	1
North Foreland	30.12	44	41	NW	3	b	2
London (Westminster)	30.09	47	43	W	2	bm	*
Yarmouth ...	30.04	43	40	W	2	bf	3
Rochefort ...	30.20	53	53	NE	2	m	*

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

Weather in morning fine over the greater part of our Islands, but foggy or misty in the east and southeast of England, and dull on our extreme western coasts. Dull in most of the Continental countries, with fog or mist at many of the Central stations; rain falling in several parts of Germany, Italy, and the south of Russia, and snow at Breslau as well as at Haparanda. Rain falling later over Western Europe generally, but amounts mostly slight; snow reported at Wick and also at Hernösand.

Temperature fallen several degrees in our Islands, but changed irregularly elsewhere. Morning readings highest 59° at Malta, 57° at Constantinople, and 56° at Lesina and Brindisi; above 50° at the Mediterranean, Adriatic, and Spanish coast stations generally, and just touching that point at Valencia (Ireland). Lowest 17° at Moscow, 18° at St. Petersburg, 19° at Kharkov, and 26° at Archangel; below the freezing point in many parts of northern and eastern Europe and also over Central England. Rising during day to 50° and upwards at many of our western and southern stations; exceeding 55° in the south of France, and reaching 60° at Perpignan.

Wind light to fresh from the SW. on our western and northern coasts, and from the SE. over Scandinavia and western Russia. Light from the W. over the greater part of England, the Netherlands, and Germany; from the NW. in France, and from the NE. over Italy and the Spanish Peninsula. Increasing later to a gale from the SW. in the Hebrides, but wind subsequently lulling and veering to the W. on some parts of our western coasts.

Barometer highest 30·4 in. in the south of Russia; 30·1 in. and upwards in an anticyclone covering the whole of that country, and also in another system lying over Spain, France, and the southern and central parts of England. Lowest 29·7 in. and less, in a depression lying off our extreme northwest coasts; 29·8 in. and less, in a small system lying off the southwest of Denmark, and also in another disturbance over the Adriatic. Depression in northwest subsequently travelling northeastwards, and barometer rising on our extreme western coasts.

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 Saturday, 21st November, 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 ...	30·02	33	N	0	0	30·06	-·02	32	32	+ 5	S	2	0	*	0	*	34	25	0·16
	Hernösand ...	29·91	38	SE	4	0	30·07	+·15	35	34	+ 2	N	0	[illegible]	*	0	*	39	25	0·08
	Stockholm ...	29·92	38	N	0	0	30·10	+·15	36	36	- 2	N	0	[illegible]	*	0	*	41	36	0·04
	Wisby	29·93	37	SSE	4	0	30·10	+·15	36	35	- 1	SSE	4	0	*	0	*	39	32	0·04
	Karlstad ...	29·90	34	NNE	2	0	30·13	+·24	30	29	- 2	NNW	2	c	*	S,0.S	*	*	*	-
	Bodö	29·71	34	ENE	2	b	29·84	+·15	36	32	+ 3	E	2	b	1	b	*	36	30	-
	Christiansund ...	29·75	41	WSW	3	c	29·93	+·35	43	38	+ 2	WSW	4	c	4	c	*	43	41	-
	Skudesnaes ...	29·86	40	N	0	c	30·14	+·50	41	40	0	ESE	2	c	3	c,c	*	41	34	*
	Færder (Christiania Fjord)	29·87	35	ENE	3	r	30·17	+·28	32	30	- 1	N	2	bc	1	r	*	37	30	0·16
	Skagen (The Scaw)	29·79	40	S	1	c	29·96	+·05	38	36	+ 2	NE	3	0	0	c	*	41	34	0·24
	Fanö	29·96	44	W	5	c	30·12	+·24	40	38	+ 5	NW	4	c	*	c	*	45	35	0·08
	Sumburgh Head	29·78	42	W	2	b	29·94	+·45	48	48	+ 8	W	4	r	4	bc,b	*	48	40	0·06
	Stornoway ...	29·92	42	W	3	r	30·02	+·37	49	49	+ 13	W	4	0	4	c,r	1·9	49	35	0·06
	Wick	29·89	36	SW	2	bc	30·03	+·41	50	48	+ 15	WSW	3	c	0	bc	*	50	33	-
	Nairn	29·95	42	W	2	b	30·08	+·38	49	47	+ 12	WSW	1	b	1	b	*	50	35	-
	Aberdeen ...	30·01	37	SW	2	bm	30·17	+·43	42	41	+ 5	SW	1	bcmw	1	b, bm,p	5·8	42	36	0·01
British Islands.	Leith	30·07	42	WSW	3	c	30·23	+·42	49	48	+ 9	WSW	3	0	*	c	*	49	38	0·02
	Shields	30·11	42	W	3	b	30·29	+·42	47	46	+ 6	WSW	3	c	2	b,r	*	47	39	0·01
	Spurn Head ...	30·15	42	NNW	4	b	30·35	+·42	44	43	0	W	3	cmw	2	b, bmw	*	46	40	-
	York	30·14	42	W	2	b	30·38	+·44	45	44	0	SSW	1	0	*	b	?	49	37	-
	Loughborough ...	30·22	39	W	1	b	30·43	+·43	43	41	0	NNW	2	cm	*	bc,b, o. c	*	48	36	-
	Ardrossan ...	30·09	47	W	4	cp	30·29	+·44	49	49	+ 5	SSW	4	cp	3	c.cp	*	49	42	0·01
	Malin Head ...	30·10	47	W	5	cq	30·23	+·33	49	48	+ 5	SSW	5	cp	4	bc,cq	*	49	43	0·02
	Belmullet ...	30·22	49	WSW	4	0	30·31	+·29	51	49	+ 6	WSW	4	0	*	bc, 0	*	51	42	-
	Donaghadee ...	30·19	41	WSW	3	b	30·34	+·40	47	47	+ 8	SW	3	c	2	b	*	47	37	0·02
	Liverpool (Bidston)	30·23	43	W	4	b	30·41	+·45	47	44	+ 2	WSW	4	0	3	b	*	48	41	-
	Holyhead ...	30·24	47	NNW	4	bc	30·43	+·41	49	48	+ 3	SW	3	ogm	2	bc	*	50	43	-
	Parsonstown ...	30·29	43	N	0	b	30·42	+·34	47	46	+ 8	N	0	od	*	b, c	3·5	48	39	0·01
	Valencia ...	30·38	50	WSW	3	c	30·46	+·29	49	48	0	SW	2	om	5	b, c	5·7	51	45	0·01
	Roche's Point ...	30·36	47	NNW	3	b	30·49	+·32	49	47	+ 3	NNW	2	bcw	3	b	*	51	40	-
	Pembroke (St. Ann's Hd.)	30·31	49	NNW	4	bc	30·48	+·38	50	48	+ 1	NW	4	c	4	bc	5·5	50	48	-
	Scilly	30·33	50	NNW	4	cp	30·56	+·40	50	47	- 1	WSW	2	cw	5	c, p	4·4	52	46	-
	Prawle Point ...	30·35	41	NW	3	bc	30·54	+·39	43	42	- 5	NNW	3	bm	2	bc	*	53	40	0·02
	Jersey (St. Aubin's)	30·32	50	NW	3	bc	30·53	+·35	44	43	- 7	NNW	2	bm	2	p. bc,bcw	*	55	42	0·01
	Hurst Castle ...	30·28	44	NNW	4	b	30·49	+·41	38	37	- 9	W	1	cm	1	bc, b	*	50	37	-
	Dungeness ...	30·20	41	NW	2	b	30·43	+·40	33	33	- 15	NNW	2	b	1	c,b	*	52	31	-
	North Foreland	30·21	44	W	3	b	30·45	+·42	37	37	- 10	NNW	3	b	2	bc, b	*	50	35	-
	London (Brixton) ...	30·24	44	NNW	2	bm	30·48	+·43	35	34	- 11	SW	1	bc	*	c,b	1·6	50	32	-
	Oxford	30·31	41	W	3	b	30·49	+·44	39	38	- 6	NSW	1	c	*	b	*	50	35	-
	Cambridge ...	30·23	40	NW	2	b	30·45	+·43	39	38	- 6	SW	1	0	*	b	4·4	49	33	-
	Yarmouth ...	30·12	42	NNW	2	b	30·38	+·43	34	33	- 9	W	3	bf	3	bcm, b	*	46	33	-
Germany & Holland.	Cuxhaven ...	29·95	41	NW	2	b	30·19	+·26	40	39	+ 4	NW	2	b	*	phm, b	*	43	36	0·08
	Berlin	30·00	36	SW	1	0	30·19	+·19	35	34	- 1	W	3	b	*	0	*	41	34	0·08
	Wiesbaden ...	*	*	*	*	*	30·34	+·21	41	39	+ 3	N	0	bc	*	*	*	45	38	0·04
	Munich... ..	30·16	39	W	3	0	30·29	+·13	35	35	- 3	W	4	c	*	0	*	41	34	0·32
	The Helder ...	30·08	46	NW	3	b	30·34	+·43	45	42	- 1	NW	1	bc	1	b	*	48	45	0·04
Belgium.	Brussels ...	*	*	*	*	*	30·44	+·36	34	34	- 7	SSE	1	f	*	b	*	44	33	0·16
	Cape Gris Nez...	?	47	N	3	m	30·37	+·36	42	40	- 8	N	3	m	2	m	*	52	44	-
	Paris	30·25	43	S	1	c	30·47	+·27	31	31	- 4	NW	1	c	*	c	*	47	31	0·08
	Brest	30·37	50	NW	3	c	30·57	+·36	45	43	- 6	NE	1	bc	2	c	*	54	39	-
	Lorient... ...	?	51	NW	5	bc	30·56	?	46	43	- 4	N	3	bc	5	bc	*	54	41	-
France &	Rochefort ...	30·31	52	NW	5	c	30·51	+·18	44	44	- 5	N	3	b	*	0, c	*	50	43	-
	Belfort	30·22	40	WSW	4	r	30·33	+·12	39	38	+ 1	NW	2	m	*	r	*	43	38	0·08
	Lyons	30·32	43	N	1	0	30·37	+·10	41	40	+ 3	NW	2	c	*	0	*	47	38	0·12
	Nice	30·05	49	N	0	b	30·04	+·05	44	40	- 2	N	0	bc	1	b	*	57	43	-
	Perpignan ...	30·28	54	NW	5	b	30·33	+·10	51	45	- 3	NW	3	0	*	b	*	60	50	-
	Biarritz ...	30·41	52	N	0	r	30·46	+·14	50	48	- 2	NE	3	c	4	r	*	57	48	0·28
Peninsula.	Corunna ...																*			
	Lisbon	30·37	52	NNE	3	b	30·38	-·01	48	46	- 5	NE	4	b	*	b	*	61	46	-
	Azores (P. Delgada)	30·41	63	SE	4	0	30·35	-·08	64	61	+ 1	SE	4	c	5	0	*	66	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 6·0 hrs; Eastbourne 4·2 hrs; Hastings 4·5 hrs, Brighton 4·2 hrs.

WEATHER CHARTS

FOR ..... Saturday, 21st November, ... 1896.

BAROMETER, WIND AND SEA.

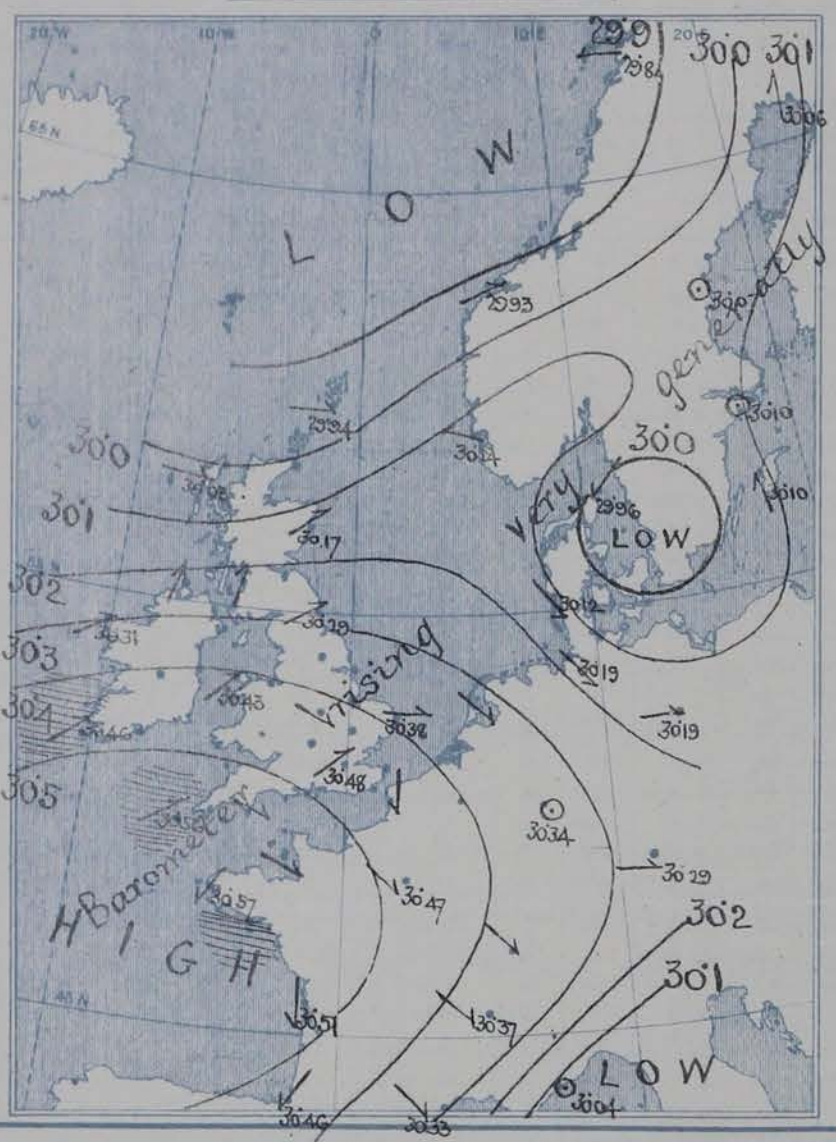
BAROMETER—Isobars are drawn for each tenth of an inch.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·03	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·919	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, 30·5 in: and upwards, in an anti-cyclone lying over the Bay of Biscay, the northwestern parts of France, and the southwest of England.
Lowest, 29·8 in: and less, in a large but somewhat shallow depression lying off the west of Norway; 30·0 in: and less, in a small secondary system over the Kattegat and also in another disturbance over the Gulf of Genoa.
Gradients slight generally, but rather steep over the southwest of France.
Barometer rising generally, but very slightly, on our extreme western coasts.

TEMPERATURE

Highest, (1) 51° at Perpignan and 50° at Biarritz; (2) 51° at Bilmallet, and 50° at Wick, Pembroke and Scilly.
Lowest, 30° at Karlstad, 31° at Paris, 32° at Haparanda and Jaender, 33° at Dungleness, and 34° at Dungeness.
Frost occurred last night over the central and southeastern parts of England; at Loughborough the thermometer on the grass fell to 25°.

WIND

Light to moderate from the SW^{ly} in the west and north of our Islands, but from the W^{ly} or NW^{ly} on our south and east coasts, and also over the Netherlands and W^{n} Germany.
Light from the NW^{ly} or N^{ly} in France.
Variable over the northern parts of Scandinavia, but showing a distinct cyclonic circulation over Denmark and the south of Sweden.

WEATHER

Fair or fine over Western Europe as a whole, but with mist or fog in many places.
Dull in the extreme west and north of our Islands, with rain at Scarborough Hd, and showers at Aranmore and Malin Head.
Slight showers fell yesterday at several of our eastern and northern stations, larger amounts of rain in some parts of France and Germany, and snow in Sweden. Lunar halos were seen at Wick and Oxford.

SEA

Rather rough on our extreme southwest coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer is at present rising in the west, the backing winds seem to point to the advance of disturbances from the Atlantic. Unsettled weather is therefore likely to set in shortly on our eastern and northern coasts.

FORECASTS

For the 24 hours ending at NOON on 22ND NOV^{R} 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W^{ly} to SW^{ly} winds, freshening; dull, some rain.
1	SCOTLAND EAST	SW^{ly} winds, light or moderate; fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	W^{ly} and SW^{ly} winds, light; fair generally.
4	M:DLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW^{ly} winds, freshening; fair at first, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W^{ly} to SW^{ly} winds, moderate; fair generally.
9	IRELAND NORTH	SW^{ly} to S^{ly} winds, freshening; dull, unsettled, some rain.
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 ...	29·72	39	38	WNW	2	o	5
Sumburgh Head	29·68	43	39	W	3	bc	4
Stornoway	29·82	44	43	W	3	c	3
Aberdeen	29·91	42	37	WSW	2	b	2
Shields	30·00	44	41	WSW	4	b	2
Ardrossan	29·99	47	45	W	4	c	3
Malin Head ...	30·02	46	46	W	5	bc	5
Belmullet	30·15	48	45	WNW	3	bc	*
Holyhead	30·17	47	44	WNW	4	bc	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SE.
Valencia	30·29	50	47	W	4	b	5
Scilly	30·27	51	48	NW	5	c	5
Jersey	30·24	53	50	NW	3	bc	3
Hurst Castle ...	30·19	50	45	NNW	4	bc	2
Dungeness ...	30·09	50	46	NW	3	c	2
North Foreland	30·12	49	46	W	3	bc	2
London (Westminster)	30·13	51	45	W	2	bcm	#
Yarmouth ...	30·05	46	43	WNW	3	bcm	3
Rochefort ...	30·33	56	55	WSW	4	o	#

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

Weather in morning fair or fine over the United Kingdom generally, but dull on our extreme western coasts. Cloudy or dull in most of the Continental countries, with fog in many places, rain at some of the Austrian stations and at Biarritz, and snow at St Petersburg and Lemberg. Slight showers falling later at several of our own western and northern stations, larger amounts of rain in some parts of France and Germany and snow in Sweden.

Temperature fallen in the west and north of our Islands and also in Italy, risen in most other localities. Morning readings highest, 60° at Malta, 58° at Athens and Constantinople, and 56° at Patras; above 50° at the Mediterranean and Spanish coast stations generally, as well as over the western parts of the English Channel. Lowest 17° at Archangel, 23° at Moscow, 27° at Haparanda and St Petersburg, and 28° at Kharkov. Rising during day to 50° and upwards in the north of Scotland, as well as at several of our western and southern stations; exceeding 55° in the south of France, and reaching 60° at Perpignan. Frost occurring over the Central and southeastern parts of England at night.

Wind light to fresh from the W.ly quarter over our Islands and also in Germany; SE. over Russia, Denmark, and Scandinavia, with a gale at Skudesnaes. N. or NW. over Austria, Italy, and the west and south of France; NE. over the Spanish Peninsula. Subsequently veering to the NW. over England. No important change occurring elsewhere.

Barometer highest 30·4 in. and upwards, in an anticyclone over northern Russia and also in another system over Spain. Lowest 29·5 in. and less, in a depression lying to the northward of our Islands, 29·8 in. and less in another disturbance over southeastern Europe; 30·0 in. and less, in a third system over the Gulf of Genoa. Anticyclone over Spain subsequently spreading northeastwards, and barometer rising over western Europe generally.

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 ~~Saturday~~ 22nd November, 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 ...	30·12	34	SW	2	c	30·11	+ ·05	36	35	+ 4	SW	2	o	*	c	*	36	30	—
	Hernösand ...	30·21	24	2	o	b	30·25	+ ·08	28	27	— 7	2	o	bc	*	b	*	39	23	—
	Stockholm ...	30·40	36	2	o	o	30·50	+ ·10	29	29	— 7	2	o	f	*	o	*	39	29	0·04
	Wisby	30·40	39	N	4	o	30·55	+ ·15	37	35	+ 8	WNW	4	o	*	o	*	39	32	—
	Karlstad ...	30·40	25	NW	2	f	30·45	+ ·32	36	35	+ 6	S	2	o	*	f	*	*	*	—
	Bodö	29·76	42	SW	4	r	29·75	— ·09	46	45	+ 10	SW	8	r	5	r	*	46	32	0·63
	Christiansund ...	30·01	51	WSW	8	c	30·09	+ ·16	54	48	+ 11	WSW	7	o	5	c	*	54	43	—
	Skudesnaes ...	30·33	45	S	6	o	30·41	+ ·27	48	41	+ 7	SSE	4	o	4	o	*	48	36	*
	Færder (Christiania Fjord)	30·38	37	SSW	2	b	30·42	+ ·25	38	37	+ 6	W	2	c	2	b	*	?	30	—
	Skagen (The Scaw)	30·43	37	2	o	b	30·47	+ ·51	37	36	— 1	WSW	1	c	o	b	*	39	32	—
	Fanö	30·47	33	N	2	b	30·55	+ ·43	36	35	— 5	N	1	b	*	b	*	43	32	—
British Islands.	Sumburgh Head	30·01	48	W	4	r	30·12	+ ·18	50	49	+ 2	SW	2	o	4	o,r	*	52	46	0·07
	Stornoway ...	30·06	52	SW	5	o	30·11	+ ·09	51	51	+ 2	SW	7	r	7	r,o	0·0	52	47	0·13
	Wick	30·12	44	S	3	o	30·17	+ ·14	51	50	+ 1	S	4	o	1	o	*	54	45	0·02
	Nairn	30·13	53	WSW	2	c	30·22	+ ·14	53	51	+ 4	WSW	4	c	1	c	*	54	47	—
	Aberdeen ...	30·24	47	SSW	2	c	30·30	+ ·13	48	47	+ 6	SW	1	cmr	1	bm,c	2·9	50	42	—
	Leith	30·21	47	W	3	o	30·40	+ ·17	51	48	+ 2	WSW	3	c	*	o	*	52	47	—
	Shields	30·39	48	WSW	2	bc	30·47	+ ·18	46	45	— 2	SW	1	c	2	o,bc	*	51	48	—
	Spurn Head ...	30·45	46	WSW	3	cm	30·53	+ ·18	45	43	+ 1	WSW	1	cm	2	cm	*	46	43	—
	York	30·43	49	W	1	o	30·53	+ ·15	47	46	+ 2	W	1	o	*	o	0·0	51	43	—
	Loughborough ...	30·49	47	WSW	1	o	30·55	+ ·12	46	44	+ 3	WSW	1	o	*	cmg, mo	*	48	43	—
	Ardrossan ...	30·34	50	S	4	o b	30·43	+ ·14	50	50	+ 1	SSW	3	o	2	o	*	50	48	0·01
	Malin Head ...	30·26	51	SSW	4	cm	30·30	+ ·07	50	50	+ 1	SSW	5	cm	3	cm	*	51	48	—
	Belmullet ...	30·34	52	SSW	4	o	30·36	+ ·05	50	48	— 1	SSW	3	cr	*	o	*	52	42	—
	Donaghadee ...	30·39	49	WSW	4	c	30·45	+ ·11	49	49	+ 2	SW	4	c	1	c	*	52	45	0·01
	Liverpool (Bidston)	30·49	48	WSW	3	o	30·54	+ ·13	47	45	0	S	1	o	2	o	*	50	45	—
	Holyhead ...	30·48	50	SW	2	o	30·53	+ ·10	49	48	0	S	1	cgmr	0	cg,o	*	50	46	—
	Parsonstown ...	30·46	49	SW	1	o	30·49	+ ·07	46	45	— 1	2	o	c	*	o	0·0	51	46	—
	Valencia ...	30·48	51	S	3	cgm	30·51	+ ·05	51	50	+ 2	S	3	fa	4	o, cgm	0·1	52	48	0·04
	Roche's Point ...	30·52	49	WSW	3	o	30·55	+ ·06	49	48	+ 1	W	1	c	3	o	*	51	48	0·01
	Pembroke (St. Ann's Hd.)	30·54	49	W	2	bc	30·56	+ ·08	50	49	0	WNW	3	c	4	bc	2·9	52	48	—
	Scilly	30·57	51	W	2	cpm	30·59	+ ·03	49	48	— 1	SSW	1	cpm	4	cpm	4·5	54	49	0·01
	Prawle Point ...	30·58	47	WNW	3	bc	30·60	+ ·06	43	42	0	NW	3	c	2	bc	*	52	42	0·01
	Jersey (St. Aubin's)	30·59	48	W	2	bcm	30·60	+ ·07	50	49	+ 6	NNE	1	cm	1	bcm	*	53	43	—
	Hurst Castle ...	30·52	49	WSW	2	o	30·58	+ ·09	46	45	+ 8	WNW	1	cmg	1	bcm, o	*	50	36	—
	Dungeness ...	30·49	45	WNW	1	o	30·55	+ ·12	45	44	+ 12	NNE	2	m	2	cg	*	48	33	—
	North Foreland	30·51	47	NW	3	f	30·59	+ ·14	46	44	+ 8	NW	2	o	2	of	*	47	36	—
	London (Brixton) ...	30·53	48	WSW	1	o	30·57	+ ·09	45	44	+ 10	2	o	ofg	*	o	0·0	49	35	—
	Oxford	30·54	47	WSW	1	o	30·58	+ ·09	45	44	+ 6	SW	1	ofg	*	o	*	51	38	—
	Cambridge ...	30·52	47	W	1	o	30·59	+ ·14	44	43	+ 5	W	4	cgm	*	o	0·2	48	37	—
	Yarmouth ...	30·43	45	W	2	bc	30·51	+ ·16	45	43	+ 11	WNW	1	f	3	bcm	*	45	38	—
Germany & Holland	Cuxhaven ...	30·40	37	N	2	b	30·59	+ ·40	34	34	— 6	2	o	b	*	b	*	45	34	—
	Berlin	30·38	39	NW	2	o	30·58	+ ·39	37	36	+ 2	NW	2	o	*	o	*	43	35	—
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich... ..	30·41	30	W	2	o	30·56	+ ·27	30	30	— 5	E	3	f	*	o	*	39	29	0·04
	The Helder ...	30·44	45	NW	1	b	30·59	+ ·25	33	32	— 12	S	1	f	0	b	*	46	32	—
France & Belgium.	Brussels ...	*	*	*	*	*	30·63	+ ·19	33	33	— 1	SSE	1	f	*	o	*	45	30	0·04
	Cape Gris Nez	30·45	46	NW	3	f	30·51	+ ·14	46	45	+ 4	NE	1	f	1	f	*	46	42	—
	Paris	30·62	41	NNW	2	o	30·57	+ ·10	38	38	+ 7	N	2	c	*	o	*	47	31	0·04
	Brest	30·49	49	WNW	1	bc	30·64	+ ·07	49	48	+ 4	NE	1	o	4	bc	*	55	41	—
	Lorient... ...	30·56	50	NW	3	o	30·56	·00	46	45	0	NE	3	o	2	o	*	55	45	—
Peninsula.	Rochefort ...	30·58	47	NNE	3	bc	30·55	+ ·04	46	46	+ 2	SW	4	o	*	bc	*	54	44	—
	Belfort	30·42	39	WNW	2	m	30·49	+ ·16	32	32	— 7	ENE	3	bc	*	m	*	41	32	0·08
	Lyons	30·40	39	N	2	bc	30·42	+ ·05	35	34	— 6	N	4	bc	*	bc	*	45	35	—
	Nice	30·40	48	2	o	b	30·41	+ ·07	49	47	+ 3	NNE	7	bc	5	b	*	57	45	—
	Perpignan ...	30·33	50	WNW	6	b	30·35	+ ·02	44	39	— 7	NW	6	b	*	b	*	56	42	—
	Biarritz ...	30·49	49	ENE	1	b	30·53	+ ·07	42	40	— 8	E	2	o	5	b	*	55	39	—
	Corunna ...	30·52	51	NE	3	b	30·45	— ·09	51	47	— 1	NE	2	b	5	b	*	57	46	—
	Lisbon	30·32	55	NE	4	b	30·31	— ·07	49	43	+ 1	NE	5	b	*	b	*	63	48	—
	Azores (P. Delgada)	30·30	64	S	5	o	30·34	— ·11	63	61	— 1	S	5	r	6	o	*	68	59	0·20

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 0·1 hrs; Eastbourne 3·2 hrs; Hastings Not rec^d. Brighton Not rec^d.

WEATHER CHARTS

FOR SUNDAY, 22ND NOV^R 1896.

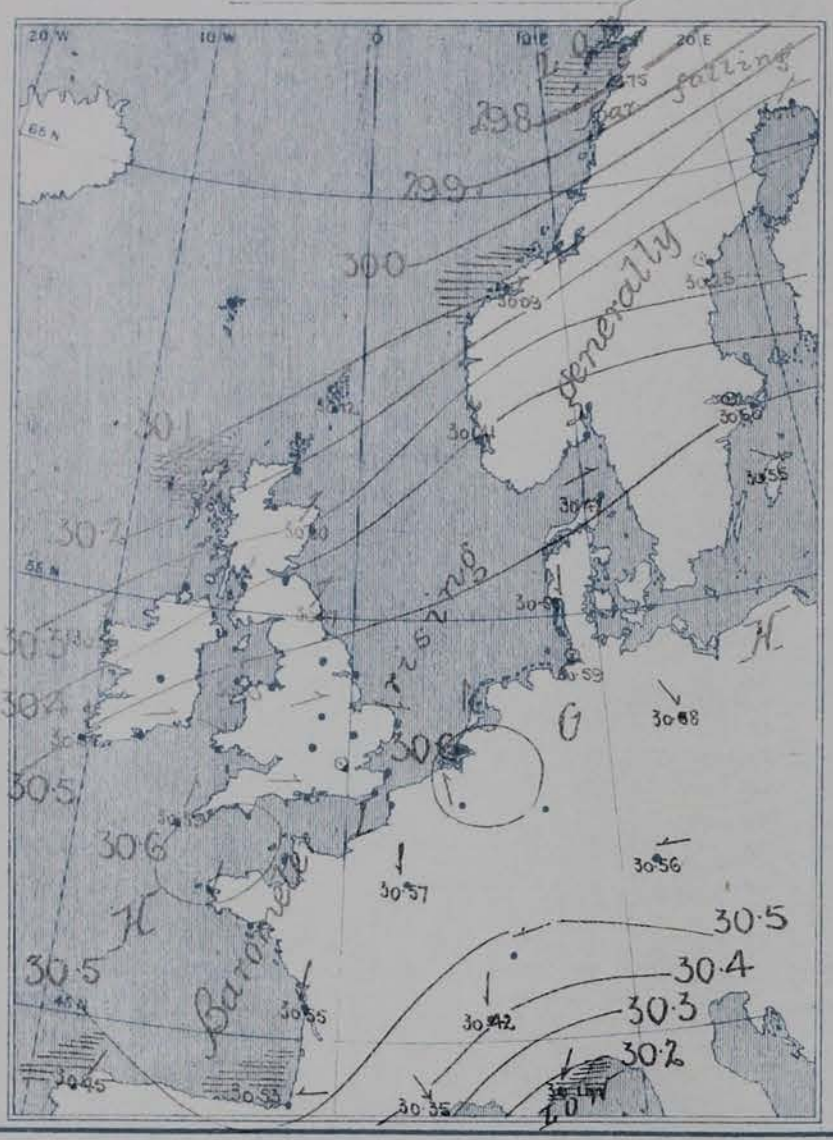
BAROMETER, WIND AND SEA.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·4	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, 30·64 ins. at Brest; 30·5 ins. and upwards in a large anticyclone extending from the Baltic and Central Europe over England, the north of France and the greater part of Germany.

Lowest, 29·8 ins. and less. in a depression lying off the northward of Norway; 30·1 ins. and less. in another system over the Gulf of Genoa.

Gradients moderate to rather steep over Scotland and Norway, but slight elsewhere.

Barometer rising generally, but falling in the north of Scandinavia, and also in the western parts of the Spanish Peninsula.

TEMPERATURE

Highest, (1) 54° at Christiansund, 55° at Nairn, and 51° at Stornoway, Wick, Leith, and Kilkenia (Ireland); (2) 51° at Coruna, 49° at Lisbon.

Lowest, 28° at Hernösands, 29° at Stockholm, 30° at Munich, 32° at Belfast, and 33° at Brussels and the Helder.

During yesterday the thermometer rose to 50° and upwards in the west and north of our Islands generally; in the east and southeast counts of England it did not get much above 45°.

WIND

SW³ over the greater part of our Islands and Scandinavia; light or moderate in force generally, but very strong in the Helder and the west of Norway with a gale at Bodö.

Light from the W.S.W. or NW³ in the extreme south of England, light to moderate from between N. and E. over France, and the Spanish Peninsula.

WEATHER

Cloudy or dull over Western Europe, as a whole, with fog over the southeast of England and in the Netherlands, and mist in many other places. Rain falling at Stornoway and also at Bodö.

Fine in Denmark and also in the east and south of France.

Slight rain fell yesterday at several of our western and extreme northern stations and a rather large amount at Bodö.

SEA

Moderate to smooth generally, but high at Stornoway, and rather rough off the northwest of Norway, as well as at Nice, Biarritz and Coruna.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 23rd Nov. 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 ..	30·31	46	45	S	4	o	3
Sumburgh Head	30·02	49	48	W	4	o	4
Stornoway	30·05	51	50	SW	6	r	6
Aberdeen	30·21	49	47	SW	2	bm	1
Shields	30·36	51	48	WSW	2	o	2
Ardrossan	30·32	50	50	S	4	o	3
Malin Head ...	30·25	51	50	SSW	5	o	4
Belmullet	30·33	51	50	WSW	3	ow	*
Holyhead	30·46	50	49	SW	3	og	2
Valencia	30·48	52	49	S	3	o	5
Scilly	30·51	53	51	WSW	2	c	5
Jersey	30·58	52	48	NW	3	bc	3
Hurst Castle ...	30·54	50	47	W	2	bcm	1
Dungeness ...	30·48	48	46	WNW	2	c	1
North Foreland	30·50	46	44	W	3	o	2
London (Westminster)	30·51	50	46	W	1	bm	*
Yarmouth ...	30·41	43	42	WNW	2	bcm	3
Rochefort ...	30·56	51	50	N	3	m	*

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 with mist or fog in many places; rain falling in the Shetlands, and passing showers in some parts of our extreme northwest coasts. Dull in the eastern and southeastern countries, with rain in several parts of Austria and eastern Germany. Dull weather spreading later over a considerable portion of the United Kingdom, with slight rain at many of our eastern and northern stations.

Temperature risen in the west and north of our Islands and also over the northern part of the Continent generally, fallen or changed irregularly elsewhere. Morning readings highest 59° at Malta, 56° at Algiers and La Calle, and 55° at Palermo and Cagliari; above 50° at the Adriatic and Mediterranean stations generally, and just touching that point on several parts of our western and extreme northern coasts. Lowest 20° at Archangel, 23° at Khorkov, 25° at Moscow, and 30° at Falsterbo, Kiuspis and Nice. Rising during day to 50° and upwards in the west and north of our Islands generally to 55° and upwards in the south of France and to 63° at Lisbon.

Wind light to moderate from the SW^d or W^d in our Islands; from the W^d or NW^d over the Netherlands, Germany, Austria and the East and south of France, and from the NE^d over the Bay of Biscay, the Spanish Peninsula, Italy, and the Adriatic. Light from the E^d or SE^d in Russia, rather variable at the Scandinavian stations. SW^l gale setting in later in the west of Norway; no important change occurring elsewhere.

Barometer highest 30·5 in. and upwards in an anticyclone lying over the Bay of Biscay, the northwestern parts of France, and the southeast of England; 30·3 in. and upwards, in another system lying over the northern and central parts of Russia. Lowest 29·9 in. and less in a large but somewhat shallow depression lying off the west of Norway, and also in a smaller disturbance over the Black Sea and the extreme south of Russia, 30·0 in. and less, in a secondary system over the Kattegat. Anticyclone over Bay of Biscay subsequently spreading northwards, and barometer rising over Western Europe generally.

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 Monday, 23rd November, 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 ...	30·15	36	SW	2	c	30·03	-·08	36	36	0	SW	6	c	*	c	*	37	32	0·04
	Hernösand ...	30·30	34	W	0	b	30·23	-·02	32	30	+ 11	W	0	c	*	b	*	34	23	-
	Stockholm ...	30·45	37	W	0	f	30·45	-·05	40	40	+ 11	W	0	f	*	f	*	40	28	-
	Wisby	30·60	35	SSW	4	b	30·57	+·02	40	39	+ 3	SSW	4	f	*	b	*	40	30	-
	Karlstad ...	30·45	41	SW	2	o	30·43	-·02	42	41	+ 6	SSW	1	f	*	f.o	*	*	*	-
	Bodö	30·06	41	SE	2	o	29·92	+·17	43	41	- 3	SW	7	f	*	o	*	46	39	1·18
	Christiansund ...	30·14	51	W	0	o	30·21	+·12	50	49	- 4	W	9	f	6	o	*	51	48	-
	Skudesnaes ...	30·44	49	S	4	f	30·43	+·02	48	48	0	S	4	f	3	f	*	49	39	*
	Færder (Christiania Fjord)	30·43	44	W	3	c	30·41	-·01	43	42	+ 5	W	4	bc	3	c	*	45	37	-
	Skagen (The Scaw)	30·55	45	W	3	f	30·55	+·08	46	45	+ 9	W	2	c	0	f	*	46	36	-
	Fanö	30·61	42	SW	2	o	30·62	+·07	43	43	+ 8	SW	3	o	*	o	*	43	35	-
British Islands.	Sumburgh Head	30·12	52	SW	3	o	30·20	+·08	50	50	0	SW	3	r	4	o	*	53	45	0·06
	Stornoway ...	30·15	51	SW	6	rq	30·22	+·11	50	50	- 1	SW	4	r	4	d,r	0·0	51	48	1·00
	Wick	30·18	52	ENE	4	c	30·28	+·11	50	49	- 1	SW	2	bc	1	c	*	52	48	-
	Nairn	30·24	55	WSW	3	c	30·29	+·07	52	50	- 1	W	2	c	1	c	*	56	50	-
	Aberdeen ...	30·33	49	S	2	c	30·33	+·08	47	46	- 1	SW	2	bcrw	1	o, c	0·5	56	42	-
	Leith	30·44	52	SW	3	o	30·43	+·03	51	49	0	WSW	3	om	*	o	*	55	49	-
	Shields	30·49	49	SW	1	o	30·51	+·04	45	44	0	SW	2	o	2	o	*	53	41	-
	Spurn Head ...	30·55	45	SSW	2	o	30·55	+·02	44	43	- 1	SSW	2	o	2	om	*	47	44	-
	York	30·55	47	SW	1	o	30·56	+·03	46	45	- 1	SSW	1	o	*	o	0·0	50	45	-
	Loughborough ...	30·57	46	SW	1	o	30·57	+·02	45	43	- 1	SW	1	omq	*	omq	*	48	44	-
	Ardrossan ...	30·42	50	S	3	o	30·45	+·02	49	49	- 1	SSW	5	o	4	o	*	51	49	-
	Malin Head ...	30·33	52	SSW	5	c	30·40	+·10	50	48	0	S	3	om	2	o	*	52	49	-
	Belmullet ...	30·40	50	SSW	4	o	30·43	+·07	49	48	- 1	SW	3	c	*	o	*	51	46	0·03
	Donaghadee ...	30·46	51	SSW	4	bc	30·49	+·04	48	48	- 1	SW	3	o	1	bc	*	55	48	-
	Liverpool (Bidston)	30·55	48	S	1	o	30·56	+·02	46	44	- 1	W	0	o	1	c,om	*	52	45	-
	Holyhead ...	30·52	49	SSW	3	oqm	30·56	+·03	47	46	- 2	SSW	2	qr	1	oqm	*	52	45	0·02
	Parsonstown ...	30·48	51	W	0	o	30·52	+·03	46	45	0	W	0	r	*	bc,o	3·4	56	45	-
	Valencia ...	30·67	49	S	2	om	30·53	+·02	49	48	- 2	S	2	o	1	om	0·0	51	47	0·05
	Roche's Point ..	30·56	49	SW	3	om	30·56	+·01	48	47	- 1	W	3	om	3	om	*	51	46	0·01
	Pembroke (St. Ann's Hd.)	30·55	49	NNW	3	c	30·58	+·02	47	47	- 3	W	3	qr	3	c	2·7	50	46	0·04
	Scilly	30·56	51	SW	1	cw	30·56	-·03	47	46	- 2	NNW	1	cw	3	c,w	1·6	53	44	0·01
	Prawle Point ...	30·60	47	NE	2	o	30·59	-·01	45	43	+ 2	N	3	o	2	c,o	*	50	42	-
	Jersey (St. Anbin's)	30·59	50	N	1	omr	30·58	-·02	40	39	- 10	NNW	2	bm	2	c,rm,bw	*	52	37	0·01
	Hurst Castle ...	30·59	47	W	0	oq	30·59	+·01	46	45	0	ENE	1	om	1	oq	*	48	45	-
	Dungeness ...	30·57	47	S	1	o	30·58	+·03	40	39	- 5	E	1	o	1	m,o	*	49	39	0·01
	North Foreland	30·62	45	E	2	f	30·63	+·04	41	39	- 4	E	2	oq	2	o,f	*	49	37	-
	London (Brixton) ...	30·59	46	W	0	om	30·62	+·05	39	39	- 6	SE	1	qr	*	oq,c,f	0·0	48	37	-
	Oxford	30·62	46	W	1	o	30·60	+·02	45	43	0	SW	1	qr	*	o	*	48	44	-
	Cambridge ...	30·61	46	W	0	om	30·62	+·03	39	38	- 5	S	1	qr	*	om	0·0	49	35	-
	Yarmouth ...	30·56	47	NNW	1	f	30·58	+·04	41	40	- 4	SW	1	qr	2	f	*	47	39	-
Germany & Holland.	Cuxhaven ...	30·62	36	W	0	b	30·55	+·06	33	33	- 1	SSW	1	o	*	b	*	41	30	-
	Berlin	30·67	39	NW	2	o	30·66	+·08	37	35	0	NW	3	o	*	o	*	41	36	-
	Wiesbaden ...	*	*	*	*	*	30·60		39	36		NE	2	o	*	*	*	43	34	-
	Munich	30·57	31	E	3	o	30·49	-·07	32	32	+ 2	NE	4	c	*	o	*	34	30	-
	The Helder ...	30·65	34	S	1	f	30·66	+·07	28	28	- 5	SSE	1	qr	1	f	*	39	28	-
France & Belgium.	Brussels ...	*	*	*	*	*	30·65	+·02	30	30	- 3	E	1	qr	*	o	*	39	29	-
	Cape Gris Nez ...	30·56	43	S	1	f	30·56	+·05	36	35	- 10	E	1	qr	1	f	*	50	34	0·04
	Paris	30·64	35	NNE	2	bc	30·57	·00	32	31	- 6	N	2	c	*	bc	*	40	32	-
	Brest	30·58	48	N	1	o	30·60	-·04	47	45	- 2	NE	1	c	2	o	*	52	41	-
	Lorient	30·52	52	NNE	3	c	30·55	-·01	41	40	- 5	NE	3	bc	3	c	*	55	36	-
	Rochefort ...	30·52	46	E	3	bc	30·51	-·04	37	37	- 9	NE	4	o	-	bc	*	52	36	-
	Belfort	30·48	35	NE	6	bc	30·43	-·06	33	30	+ 1	NE	1	m	*	bc	*	39	29	-
	Lyons	30·43	35	NW	2	b	30·43	+·01	31	30	- 4	N	1	o	*	b	*	42	30	-
	Nice	30·18	46	NW	4	b	30·18	+·07	46	36	- 1	W	0	b	4	c	*	50	41	-
	Perpignan ...	30·34	45	NW	4	b	30·27	-·08	43	37	- 1	NW	3	b	*	b	*	50	41	-
	Biarritz ...	30·44	47	ENE	3	o	30·45	-·08	36	35	- 6	SSE	2	b	3	o	*	50	36	-
Peninsula.	Corunna ...																*			
	Lisbon	30·12	64	ENE	4	b	30·26	-·05	48	43	- 1	NE	4	b	*	b	*	61	46	-
	Azores (P. Delgada)	30·22	64	S	5	o	30·21	-·03	64	60	+ 1	SSE	3	c	3	o	*	66	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 0·0 hrs; Eastbourne 0·0 hrs; Hastings 0·0, Brighton 0·0.

WEATHER CHARTS

FOR Monday, 23rd November 1896.

BAROMETER, WIND AND SEA.

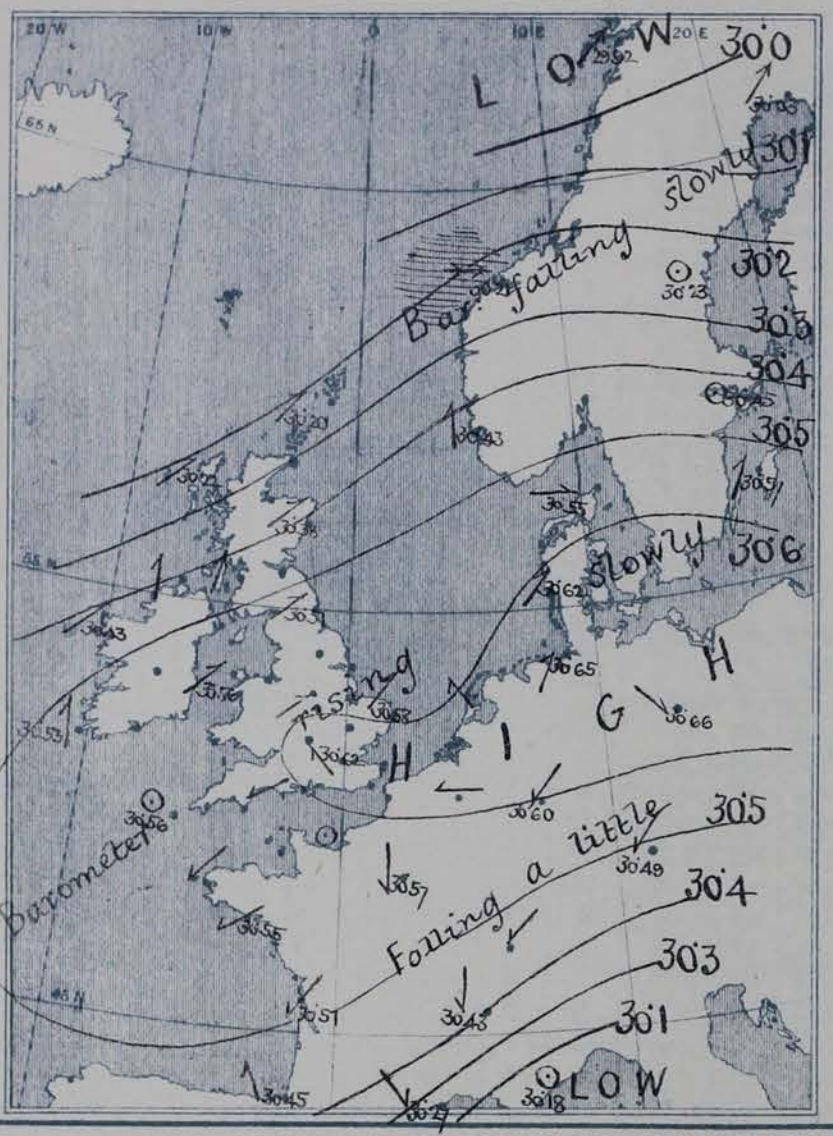
BAROMETER—Isobars are drawn for each tenth of an inch.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	67	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, 30·6 ins: and upwards, over Denmark, Germany, the Baltic, the Netherlands, and the southeast of England.
Lowest, 30·0 ins: and less, over the north of Scandinavia; 30·2 ins: and less, in the extreme south of France.
Gradients moderate over Scotland and Scandinavia, but slight elsewhere.
Barometer rising slightly in our Islands, the Netherlands, and the west of France, but falling a little elsewhere.

TEMPERATURE

Highest, 52° at Nairn, 51° at Leith, and 50° at Christiansund, Lumbugh Head, Stornoway and Wick.
Lowest, (1) 30° at Brussels, 31° at Lyons, 32° at Paris and Munich, and 33° at Cuxhaven and Belfast; (2) 32° at Haparanda and 36° at Haparanda. (28° at the Helder)
During yesterday the thermometer rose to 50° and upwards at most of our northern and northern stations, and to 56° at Nairn, Aberdeen and Parsonstown.

WIND

Light to moderate from the SW^{ly} over all but the extreme southern parts of our Islands, as well as in Denmark and the south of Scandinavia; strong to a gale from the same quarter or from W. in the west of Norway.
Light from the E^{ly} over the Netherlands and the southeast of England, and from the NE^{ly} over the greater part of France

WEATHER

Cloudy or dull over Western Europe generally, with fog over the Netherlands and the southeastern parts of England, as well as in the south of Scandinavia, and with mist in many other localities. Rain is falling in the Shetlands, Hebrides, and west of Norway.
Fine in the east of Scotland and also in the Channel Islands and the south of France.
Slight rain fell yesterday on several parts of our western and southern coasts, and large quantities at Bodo and Stornoway.

SEA

Slight or smooth generally, but moderate off the north of Scotland, and rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 24th Nov^{r} 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^{ly} winds, moderate; some rain at first then fair.
1	SCOTLAND EAST	SW^{ly} winds, light; fair generally, but some fog or mist.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light Variable airs; dull, with some fog or mist.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	E^{ly} winds, light; dull, with some fog or mist.
6	SCOTLAND WEST	SW^{ly} winds, light; dull, fog locally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos 3 and 4.
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 ...	30·44	48	42	SSE	6	f	4
Sumburgh Head							
Stornoway	30·14	51	51	NSW	5	d	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·32	51	51	SSW	5	o	3
Belmullet	30·38	51	50	SW	3	o	*
Holyhead							
Valencia							
Scilly							
Jersey	30·60	53	50	NNE	2	c	2
Hurst Castle ...							
Dungeness ...	30·56	49	46	NNE	1	m	1
North Foreland	30·58	48	46	NW	1	o	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·54	48	47	NE	3	o	*

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

Continental Information not received.

SUMMARY OF THE CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 15TH TO THE 21ST NOV. 1896

At the beginning of this period the distribution of pressure over western Europe was very irregular the barometer being high both over the northeastern and southwestern parts of our area, and lowest in a complex depression having two distinct maxima,—one over the north of Scotland and the other over Holland. In our Islands and France the wind was mainly NW., with gales on our western coasts, but in Scandinavia, Denmark and Germany, moderate to strong SE. breezes were reported, the weather being in a changeable condition generally, with occasional rain in most places.

After the 15th, however, the depression moved southwards, and gradually filled up, while the anticyclone over northern Europe extended in the form of a long band across the North Sea, England, and Ireland. The wind consequently veered to the N. or NE. on our southern coasts, while it backed to the SW. in the north, a decided improvement in the weather being reported in most districts, with sharp night frosts at the inland stations.

On the 18th a well marked depression skirted our northern coasts, while some "V shaped" secondary systems advanced eastwards directly across our Islands, so that SW. winds and rainy weather set in very generally. Towards the end of the week, however, the barometer rose steadily, and a large anticyclone gradually spread over us from the southwestwards, the prevailing winds being mostly from the W. or SW., and the weather fair, though with slight showers in places.

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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DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 24th Nov., 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 ...	30·17	36	Z	0	c	30·13	+ ·10	36	34	0	W	2	b	*	c	*	37	34	0·04
	Hernösand ...	30·25	33	Z	0	c	30·50	+ ·27	36	33	+ 4	W	2	b	*	c	*	37	25	—
	Stockholm ...	30·41	42	Z	0	r	30·56	+ ·11	42	42	+ 2	Z	0	0	*	r	*	43	36	—
	Wisby	30·53	42	SSW	4	0	30·59	+ ·02	42	42	+ 2	SW	4	r	*	0	*	42	30	0·04
	Karlstad ...	30·40	43	SW	2	0	30·58	+ ·15	38	38	— 4	N	2	f	*	0	*	*	*	—
	Bodö	30·13	42	W	6	c	30·15	+ ·23	42	40	— 1	WNW	8	0	5	c	*	43	39	0·51
	Christiansund ...	30·36	41	WSW	4	r	30·50	+ ·29	41	39	— 9	Z	0	bc	4	r	*	50	39	0·75
	Skudesnaes ...	30·45	48	S	2	f	30·58	+ ·15	47	46	— 1	W	1	0	2	f	*	49	39	*
	Farder (Christiania Fjord)	30·41	45	W	4	bc	30·56	+ ·15	35	35	— 8	N	2	f	1	bc	*	46	35	—
	Skagen (The Scaw)	30·51	45	W	2	0	30·58	+ ·03	45	44	— 1	WNW	1	0	0	0	*	46	45	—
	Fanö	30·58	43	WSW	4	0	30·64	+ ·02	42	42	— 1	WSW	1	0	*	0	*	45	41	0·04
British Isles.	Sumburgh Head	30·40	43	NW	1	bc	30·45	+ ·25	45	44	— 5	S	3	0	H	r, bc	*	50	36	0·06
	Stornoway ...	30·44	44	N	1	0	30·41	+ ·19	48	48	— 2	SW	3	0	3	0	0·0	51	40	†1·05
	Wick	30·45	44	N	1	0	30·45	+ ·17	47	46	— 3	S	2	bc	1	0	*	53	37	0·02
	Nairn	30·42	50	WSW	3	c	30·48	+ ·19	48	46	— 4	W	1	0	1	c	*	54	43	—
	Aberdeen ...	30·45	46	SW	2	cmw	30·55	+ ·17	40	40	— 7	W	1	of	1	cm, w	0·2	51	38	0·01
	Leith	30·49	51	W	1	b	30·57	+ ·14	48	46	— 3	SW	2	om	*	b	*	52	44	—
	Shields	30·52	50	WSW	1	0	30·59	+ ·08	46	44	+ 1	Z	0	om	2	0	*	51	43	—
	Spurn Head ...	30·56	44	SSW	2	om	30·63	+ ·08	43	43	— 1	Z	0	om	2	om of	*	45	43	0·02
	York	30·52	47	S	1	0	30·62	+ ·06	45	44	— 1	NNW	1	0	*	0	0·0	48	44	—
	Loughborough ...	30·56	44	WNW	1	0	30·61	+ ·04	43	43	— 2	Z	0	ogfd	*	gm. df	*	47	43	0·02
	Ardrossan ...	30·49	49	SSW	3	0	30·58	+ ·13	45	45	— 4	NE	1	of	1	0	*	49	43	0·01
	Malin Head ...	30·44	50	S	3	omw	30·53	+ ·13	48	48	0	S	3	om	1	o. omr	*	50	48	—
	Belmullet ...	30·49	50	SW	3	om	30·54	+ ·11	48	48	— 1	SSW	3	0	*	om	*	52	46	—
	Donaghadee ...	30·53	48	SSW	2	og	30·59	+ ·10	43	43	— 5	WSW	2	0	0	og	*	49	40	0·01
	Liverpool (Bidston)	30·58	46	WSW	1	0	30·63	+ ·07	45	44	— 1	Z	0	0	0	og	*	48	45	—
	Holyhead ...	30·51	47	Z	0	ogm	30·61	+ ·05	46	44	— 1	S	1	ogm	1	d, ogm	*	48	44	0·01
	Parsonstown ...	30·55	49	S	1	0	30·58	+ ·06	46	44	0	Z	0	0	*	0	0·4	51	45	—
	Valencia ...	30·56	50	SSW	1	omw	30·67	+ ·04	48	47	— 1	SSW	2	0	4	e, omr	0·2	52	47	0·02
	Roche's Point ...	30·58	49	SW	1	0	30·60	+ ·04	46	46	— 2	NE	1	c	3	omr	*	50	44	0·01
	Pembroke (St. Ann's Hd.)	30·58	47	NW	2	c	30·58	·00	46	45	— 1	E	2	og	2	c	5·1	49	45	0·02
	Scilly	30·54	47	N	1	cm	30·54	— ·02	47	46	0	N	1	m	3	c, cm	0·9	50	45	0·01
	Prawle Point ...	30·58	46	NNE	3	0	30·59	·00	45	44	0	NE	3	og	2	og	*	48	43	—
	Jersey (St. Aubin's)	30·56	44	E	1	bcm	30·58	·00	42	41	+ 2	ENE	3	om	3	c, bcm	*	47	38	—
	Hurst Castle ...	30·56	46	NE	1	om	30·60	+ ·01	41	39	— 5	E	2	ogm	2	om	*	46	39	—
	Dungeness ...	30·55	41	NE	3	0	30·58	·00	38	36	— 2	E	3	0	2	0	*	43	36	—
	North Foreland	30·61	41	E	2	0	30·62	— ·01	39	38	— 2	E	2	0	2	0	*	44	37	—
	London (Brixton) ...	30·59	41	SE	1	om	30·62	·00	39	38	0	ESE	2	ogm	*	ogf, om	0·0	43	38	—
	Oxford	30·59	45	WSW	1	0	30·63	+ ·03	41	40	— 4	SE	1	ogf	*	ogf	*	46	40	—
	Cambridge ...	30·59	42	S	1	om	30·65	+ ·03	39	38	0	Z	0	f	*	om	0·0	44	37	—
	Yarmouth ...	30·55	43	WSW	1	cm	30·62	+ ·04	40	38	— 1	Z	0	bcf	2	f, cm	*	43	39	—
Germany & Holland.	Cuxhaven ...	30·62	32	Z	0	b	30·62	— ·03	33	33	0	S	1	0	*	b	*	37	30	—
	Berlin	30·68	37	NNE	2	0	30·68	+ ·02	37	35	0	NE	2	0	*	0	*	39	36	—
	Wiesbaden ...	*	*	*	*	*	30·56	— ·04	37	35	— 2	NE	2	0	*	*	*	41	36	—
	Munich	30·46	32	NE	4	b	30·46	— ·03	31	31	— 1	NE	3	0	*	b	*	34	30	0·04
	The Helder ...	30·63	31	SSE	1	f	30·65	— ·01	29	29	+ 1	SSE	1	m	1	f	*	36	27	—
Belgium.	Brussels ...	*	*	*	*	*	30·63	— ·02	29	29	— 1	NE	1	m	*	f	*	32	27	—
	Cape Gris Nez ...	30·54	35	E	1	f	30·56	·00	32	31	— 4	E	1	m	1	f	*	45	28	—
	Paris	30·55	34	NE	2	0	30·54	— ·03	31	30	— 1	NNE	2	c	*	0	*	39	30	—
	Brest	30·52	47	NE	1	c	30·53	— ·07	44	42	— 3	NNE	1	0	2	c	*	54	37	—
	Lorient	?	48	NE	5	0	?	?	38	37	— 3	E	4	0	4	0	*	48	34	—
France &	Rochefort ...	30·46	41	NE	4	b	30·47	— ·04	39	37	+ 2	ENE	4	0	*	b	*	45	34	—
	Belfort	30·42	35	E	6	0	30·43	·00	32	31	— 1	E	3	m	*	0	*	36	31	—
	Lyons	30·42	33	N	1	m	30·41	— ·02	31	30	0	NW	1	0	*	m	*	35	31	—
	Nice	30·19	48	E	1	b	30·26	+ ·08	39	34	— 7	E	1	b	4	b	*	57	39	—
	Perpignan ...	30·33	40	NW	3	b	30·36	+ ·09	31	30	— 12	W	2	b	*	b	*	50	30	—
	Biarritz ...	30·38	41	SE	2	0	30·34	— ·11	39	36	+ 3	ENE	2	0	2	0	*	46	36	—
Penin-sula.	Corunna ...																*			
	Lisbon	30·27	50	NE	4	b	30·26	·00	43	39	— 5	NE	3	b	*	b	*	57	41	—
	Azores (P. Delgada)	30·23	63	SSE	4	c	30·07	— ·14	64	59	0	SE	4	0	5	c	*	66	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 0·0 hrs; Eastbourne 0·0 hrs; Hastings 0·0 hrs; Brighton 0·8 hr.

WEATHER CHARTS

FOR Tuesday, 24th November, 1896.

BAROMETER, WIND AND SEA.

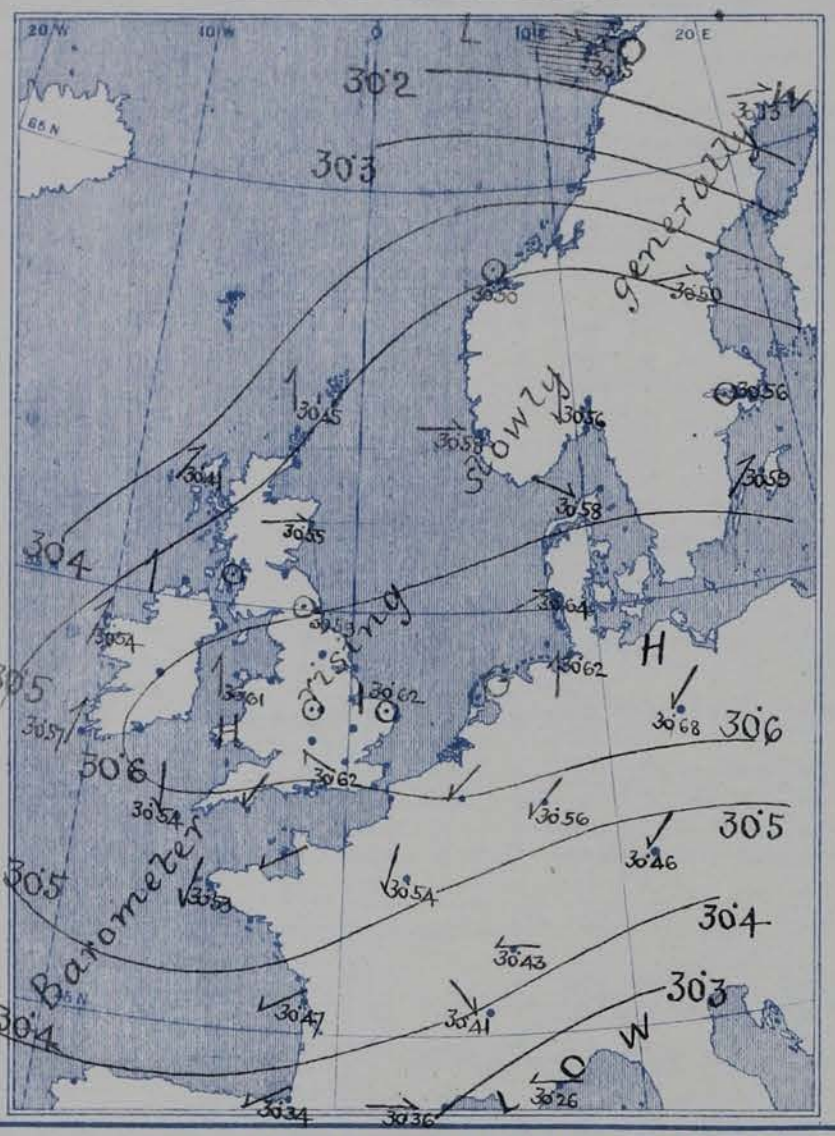
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

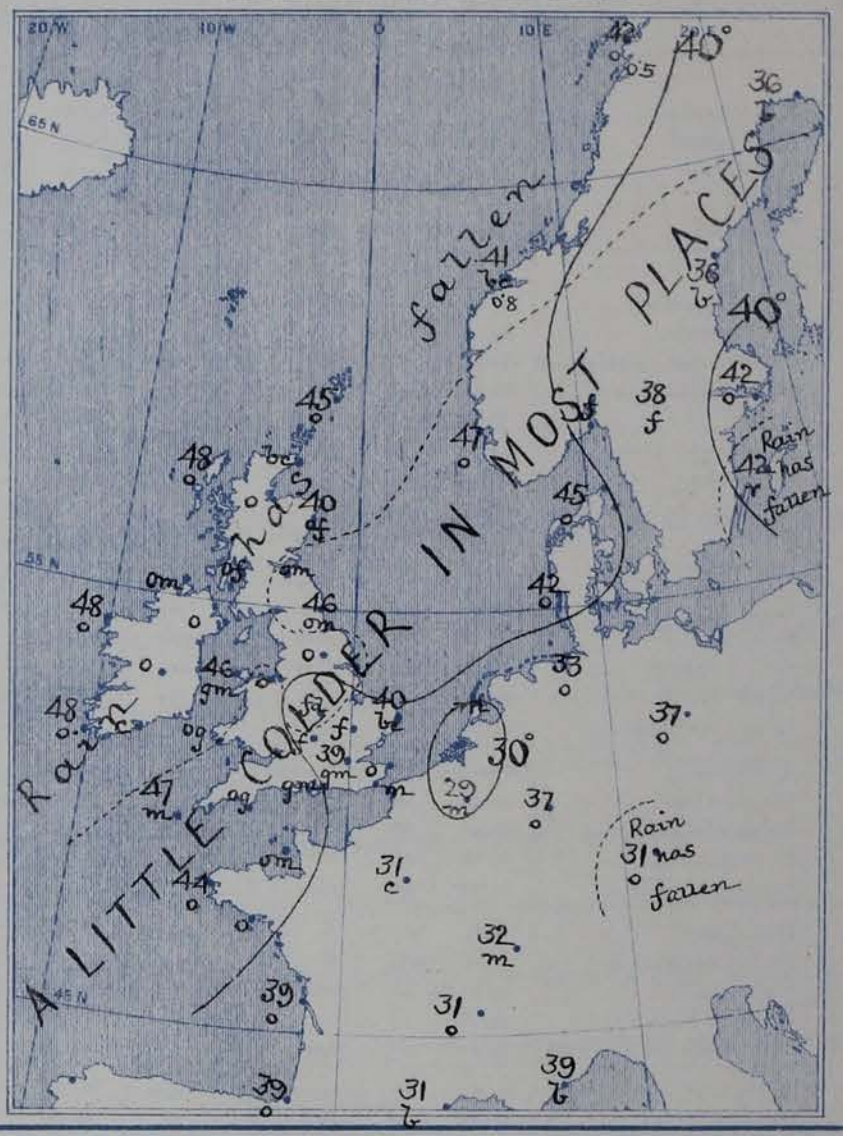


TEMPERATURE & WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 30.6 ins. and upwards in an elongated area extending from Germany and the Baltic to England and the southeast of Ireland.
Lowest 30.2 ins. and less in the north of Scandinavia.
Gradients slight generally, but moderate over the northern parts of Scandinavia.
Barometer rising a little in most places.

TEMPERATURE

Highest 48° at Stornoway, Nairn, Leith, Malin H., Belmullet and Valencia (Ireland), and 47° at Skudesnaes, Ulrik and Scilly.
Lowest (1) 29° at Brussels and the Helder, and 31° at Paris, Lyons, Perpignan and Munich, (2) 36° at Haparanda & Hernosand
During yesterday the thermometer rose to 50° and upwards at several of the Irish and Scotch stations, and to 54° at Nairn, in the east and southeast of England it did not reach 45°.

WIND

Light from the E^wd. or NE^wd. over Germany, France, Belgium and the south of England.
Calm in the N. and E. of England, light from the S^wd. or SW^wd. in Ireland and Scotland.
W^ly at most of the Scandinavian and Danish stations, with a gale at Bodö.

WEATHER

Dull over W^n Europe generally, with fog or mist in many places, and with rain at Wisby.
Fine over the northern parts of Scandinavia, and also in the extreme S. of France.
Slight rain fell yesterday in the N. of Scotland, and larger amounts in the W. of Norway. At some of our own W^n stations there were slight depositions in the raingauge due to wet mists or fogs. A lunar rainbow was seen last evening at Nairn, and a corona at Stornoway.

SEA

Slight or smooth generally, but rather rough at Bodö.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 25TH NOV. 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^ly winds, moderate or fresh, dull, some rain.
1	SCOTLAND EAST	SW^ly winds, light, dull, misty or foggy.
2	ENGLAND N.E.	Calms or light variable airs, dull, misty or foggy.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	E^ly winds, light, dull, misty.
6	SCOTLAND WEST	Same as No. 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 5.
9	IRELAND NORTH	S^ly and SW^ly winds, light or moderate, dull, slight rain locally.
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 ...	30·46	49	48	SSE	4	f	3
Sumburgh Head	30·28	45	45	NW	3	r	4
Stornoway	30·34	46	46	N	3	o	3
Aberdeen	30·39	50	48	SW	3	cm	1
Shields	30·51	50	48	WSW	2	o	2
Ardrossan	30·46	49	49	SSW	3	o	3
Malin Head ...	30·41	50	49	S	3	o	1
Belmullet	30·44	50	50	SW	3	om	*
Holyhead	30·55	48	46	SW	4	ogmd	1
Valencia	30·52	51	50	SSW	2	c	4
Scilly	30·56	49	47	ENE	1	c	3
Jersey	30·57	47	45	ENE	3	c	3
Hurst Castle ...	30·58	46	45	ENE	2	om	1
Dungeness ...	30·56	42	41	ENE	1	o	1
North Foreland	30·61	42	40	E	2	o	0
London (Westminster)	30·59	45	43	SSE	1	ogf	*
Yarmouth ...	30·56	43	42	WSW	1	f	2
Rochefort ...	30·47	44	40	NE	4	c	*

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

Weather in morning cloudy or dull over western, northern and central Europe generally, with mist or fog in many places and with rain in the Hebrides, the Shetlands and the W. of Norway. Fine in the NE. of Scotland, and also over Spain, Italy and the south of France. Rain falling later in the N. of Scotland and the W. of Norway; slight amounts of water deposited in the gauges at some of our western stations by wet mists or fogs. Lunar rainbows and corona seen in the north of Scotland.

Temperature fallen at all but the Russian and Scandinavian stations. Morning reading highest (1) 58° at Cagliari and Malta, 56° at Algiers, and 55° at Sanguinaire; (2) 52° at Nairn, and 50° at Christiansund, Sumburgh Hd., Stornoway and Wick. Lowest 20° at Moscow, 21° at Kharkof, 28° at Memel and the Helder, and 30° at Brussels and Kharkof. Rising later to 50° or a little above it in many parts of Ireland and Scotland, but remaining below 45° in the E. and SE. of England, and below 40° over Belgium, Germany and central France.

Wind SW. ¼ in the west and north of our Islands, and also over the greater part of Nw. Europe, light or moderate in force generally, but strong to a gale in the west of Norway. Light and variable in the eastern parts of England; NE. ¼ over the southern parts of the Continent generally, and strong in force at the Adriatic stations. Light E. ¼ or NE. ¼ breezes setting in later over the English Channel, wind shifting to the Nwd. in the Shetlands and Hebrides; no important change occurring elsewhere.

Barometer highest 30·6 ins. and upwards in an elongated area stretching from central Russia to the Netherlands and the SE. of England, 30·2 ins. and upwards in an anticyclone embracing all but the eastern Nw. and Sw. parts of the Continent. Lowest 30·0 ins. and less in a depression over the NW of Norway, and also in another system having its centre between Scandinavia and Terms. No important change occurring over W. Europe during day.

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 Wednesday, 25th November, 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 ...	30·12	36	W	4	0	30·10	-·03	41	38	+ 5	W	4	b	*	0	*	41	32	-
	Hernosand ...	30·49	36	S	4	c	30·46	-·04	39	36	+ 3	S	4	b	*	c	*	39	30	-
	Stockholm ...	30·67	41	calm	0	0	30·68	+·12	41	41	- 1	W	2	f	*	c	*	45	37	-
	Wisby	30·75	42	SW	4	0	30·78	+·19	43	42	+ 1	SW	4	0	*	0	*	43	37	0·20
	Karlstad ...	30·67	36	calm	0	f	30·69	+·11	39	39	+ 1	NNW	2	r	*	rf	*	*	*	-
	Bodö	30·24	35	SW	9	r	30·23	+·08	39	37	- 3	SW	7	r	5	r	*	43	35	0·79
	Christiansund ...	30·43	47	NNW	4	c	30·50	·00	49	46	+ 8	W	8	c	5	c	*	49	39	-
	Skudesnaes ...	30·67	48	calm	0	f	30·71	+·13	46	45	- 1	SW	2	0	1	of	*	48	43	*
	Færder (Christiania Fjord)	30·59	38	NW	2	f	30·67	+·11	38	38	+ 3	NNW	1	f	1	of	*	38	35	-
	Skagen (The Scaw)	30·71	45	N	1	0	30·74	+·16	43	42	- 2	NNW	1	r	0	0	*	46	43	0·04
	Fanö	30·78	39	SSW	2	0	30·79	+·15	32	32	- 10	calm	0	b	*	0	*	43	32	-
British Islands	Sumburgh Head	30·48	48	SW	1	0	30·52	+·07	47	47	+ 2	W	1	r	3	bc,o	*	50	43	0·01
	Stornoway ...	30·47	48	SW	3	0	30·48	+·07	48	48	0	SW	4	0	4	0	0·7	50	45	0·14
	Wick	30·52	47	S	1	b	30·52	+·07	47	46	0	S	1	0	0	b	*	53	45	-
	Nairn	30·54	50	SW	1	0	30·54	+·06	48	46	0	SW	1	0	1	0	*	56	44	-
	Aberdeen ...	30·59	38	SW	1	bf	30·61	+·06	45	43	+ 5	SW	1	omw	1	bf	0·7	45	37	-
	Leith	30·60	48	SW	1	m	30·62	+·05	46	43	- 2	S	2	om	*	m	*	51	44	-
	Shields	30·63	46	SSW	2	0	30·66	+·07	43	42	- 3	calm	0	0	2	o,d	*	47	41	-
	Spurn Head ..	30·65	43	SE	1	0	30·64	+·01	42	40	- 1	ESE	3	0	3	om	*	46	42	0·01
	York	30·64	45	S	1	0	30·66	+·04	43	42	- 2	S	1	0	*	0	0·0	46	40	-
	Loughborough ...	30·64	40	E	1	0	30·63	+·02	39	37	- 4	ESE	2	ogm	*	gd,o,b,o	*	44	33	0·01
	Ardrossan ...	30·59	48	calm	0	om	30·60	+·02	46	46	+ 1	SSE	3	0	3	f,om	*	49	45	-
	Malin Head ...	30·56	47	S	3	0	30·57	+·04	44	43	- 4	S	3	om	1	0	*	49	43	-
	Belmullet ...	30·55	49	S	3	0	30·56	+·02	45	44	- 3	S	3	0	*	om	*	51	43	-
	Donaghadee ...	30·61	47	S	1	m	30·61	+·02	45	45	+ 2	SSE	2	om	0	m	*	49	42	0·01
	Liverpool (Bidston)	30·64	44	E	1	0	30·62	-·01	43	40	- 2	calm	0	0	?	ofg	*	46	38	-
	Holyhead ...	30·62	45	SE	1	ogm	30·61	·00	42	41	- 4	E	1	f	1	ogm	*	48	41	-
	Parsonstown ...	30·58	47	calm	0	0	30·58	·00	43	42	- 3	calm	0	d	*	0	0·0	48	43	-
	Valencia ...	30·56	48	SSW	1	0	30·54	-·03	46	44	- 2	SE	1	0	4	0	0·2	50	45	-
	Roche's Point ..	30·59	47	SE	1	0	30·56	-·04	46	45	0	ESE	2	om	2	om	*	49	45	0·02
	Pembroke (St. Ann's Hd.)	30·57	45	SSW	3	0	30·57	-·01	40	39	- 6	E	3	ogm	2	0	0·0	46	39	-
	Scilly	30·51	49	ENE	3	0	30·47	-·07	49	45	+ 2	NE	3	om	2	om	0·0	49	42	-
	Prawle Point ..	30·57	40	NE	4	0	30·51	-·08	41	39	- 4	ENE	6	og	5	og	*	46	37	-
	Jersey (St. Aubin's)	30·53	42	ENE	3	om	30·47	-·11	41	39	- 1	E	4	om	3	om	*	44	39	-
	Hurst Castle ...	30·59	40	ENE	3	om	30·54	-·11	41	38	+ 2	ENE	4	ogm	3	om	*	41	38	-
	Dungeness ...	30·56	41	ENE	3	0	30·49	-·09	40	37	+ 2	ENE	4	0	3	0	*	43	35	-
	North Foreland	30·63	44	E	2	0	30·56	-·06	40	38	+ 1	E	4	0	4	0	*	43	37	-
	London (Brixton) ...	30·62	42	E	3	0	30·57	-·05	40	38	+ 1	ENE	3	ogm	*	ogm,ov	0·0	43	38	-
	Oxford	30·64	38	E	1	0	30·60	-·03	39	36	- 2	ENE	4	og	*	o,c	*	42	37	-
	Cambridge ..	30·64	41	N	1	b	30·61	-·04	40	38	+ 1	E	1	om	*	0	0·0	43	36	-
	Yarmouth ...	30·61	43	E	3	c	30·60	-·02	40	38	0	ENE	5	cg	4	bc,c	*	44	39	-
Germany & Holland.	Cuxhaven ...	30·73	34	E	1	b	30·71	+·09	32	32	- 1	ESE	3	0	*	s,b	*	36	30	-
	Berlin	30·77	36	E	4	c	30·76	+·08	33	32	- 4	SE	4	0	*	0	*	37	33	-
	Wiesbaden ...	*	*	*	*	*	30·52	-·04	36	34	- 1	NE	3	0	*	*	*	39	34	-
	Munich	30·46	31	E	5	c	30·40	-·06	31	30	0	E	4	0	*	c	*	32	30	-
	The Helder ...	30·69	36	E	1	b	30·63	-·02	34	32	+ 5	E	3	0	2	b	*	36	28	-
Belgium.	Brussels ...	*	*	*	*	*	30·55	-·08	30	29	+ 1	ENE	4	bc	*	0	*	38	28	-
	Cape Gris Nez ...	30·54	36	E	3	m	30·47	-·09	34	32	+ 2	E	3	m	2	0	*	41	30	-
	Paris	30·49	37	NNE	2	0	30·41	-·13	34	32	+ 3	NE	3	c	f	c	*	39	31	-
	Brest	30·49	42	ENE	1	c	30·46	-·07	41	40	- 3	NE	1	0	2	c	*	46	36	-
	Lorient	30·44	46	ENE	2	c	30·39	?	35	?	- 3	ENE	5	f	2	c	*	46	28	-
France &	Rochefort ...	30·41	39	ENE	4	bc	30·34	-·13	37	36	- 2	ENE	4	0	*	o,bc	*	43	36	-
	Belfort	30·37	35	E	1	0	30·31	-·12	30	29	- 2	E	6	bc	*	0	*	36	30	-
	Lyons	30·34	36	N	1	m	30·26	-·15	33	31	+ 2	N	1	S	*	m	*	39	31	-
	Nice	30·19	46	ENE	2	0	30·21	-·05	40	32	+ 1	ENE	4	c	4	0	*	54	39	-
	Perpignan ...	30·29	40	NW	3	0	30·23	-·13	36	32	+ 5	W	3	b	*	0	*	47	31	-
	Biarritz ...	30·35	39	ESE	3	0	30·23	-·11	41	36	+ 2	SSE	4	0	3	0	*	41	36	-
Peninsula.	Corunna ...																*			
	Lisbon	30·24	49	NE	4	b	30·20	-·06	45	39	+ 2	NNE	1	b	*	b	*	55	41	-
	Azores (P. Delgada)	29·87	65	SSE	6	c	29·67	-·40	64	62	0	SSE	7	0	7	c	*	66	61	0·12

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

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

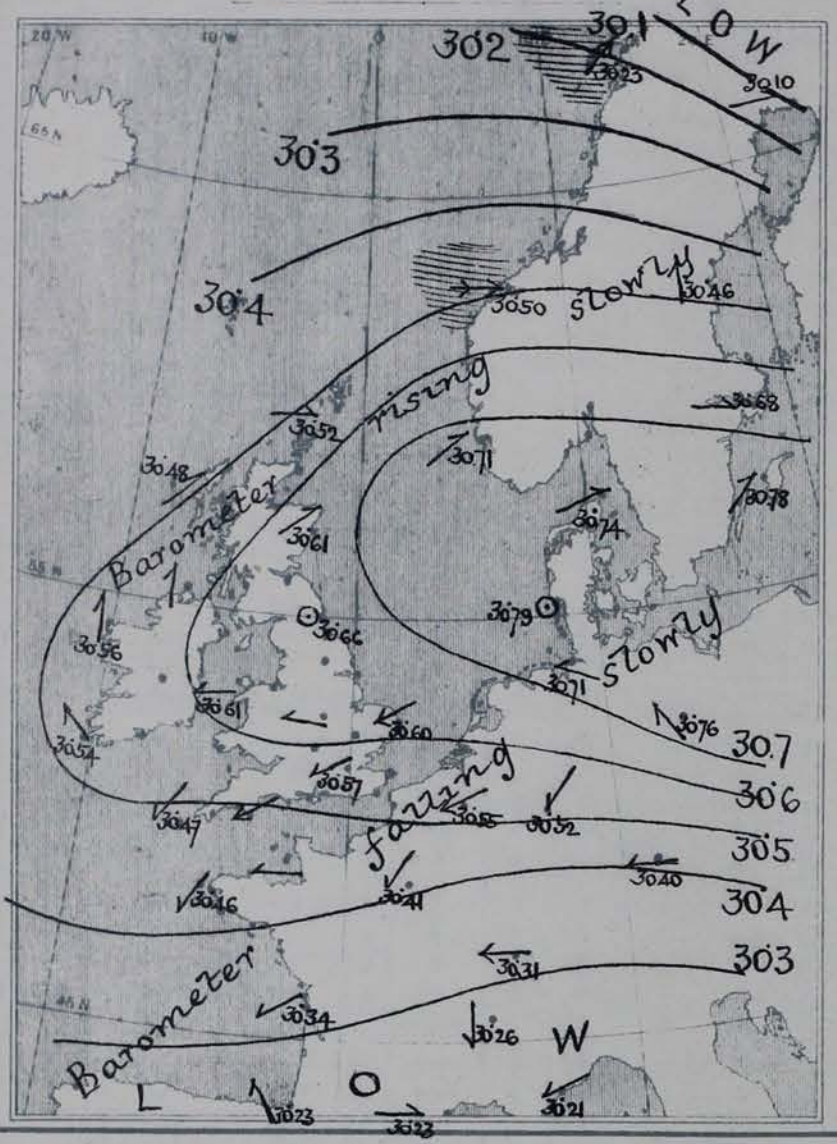
Bright Sunshine yesterday Southport 0·0 hrs; Eastbourne 0·0 hrs; Hastings 0·0, Brighton 0·2 hr.

WEATHER CHARTS

FOR *Wednesday, 25th November, 1896.*

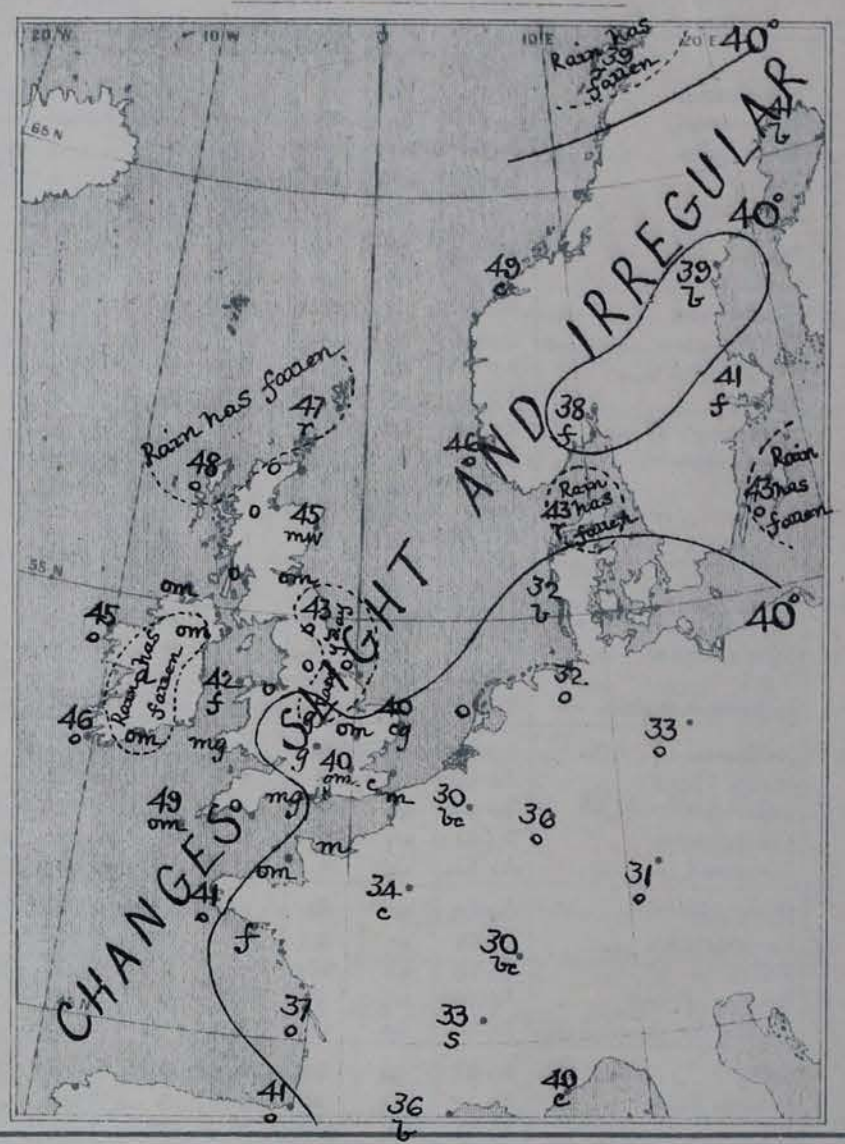
BAROMETER, WIND AND SEA.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·6	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1891, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63	1881, 93, 94, 95	19	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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, 307 in and more over the Baltic, Denmark, and the greater part of the North Sea.
Lowest, (1) Below 30·1 in: over the eastern parts of Lapland; (2) below 30·3 in: over the southern half of France.
Gradients moderate – for E. winds at our southern stations.
Barometer falling a little in the south, rising in the north.

TEMPERATURE

Highest, 49° at Christiansund and Scilly, 48° at Stornoway and Nairn, 46° to 45° in the south and west of Ireland.
Lowest, 30° at Belfast and Brussels, 31° at Munich, 32° at Cork Haven, 34° at Paris, 39° at Oxford.
It rose yesterday to 56° at Nairn, 53° at Wick, and between 51° and 50° in the west of Ireland, but did not exceed 41° at Hunt Castle.

WIND

Freshening from about ENE. over the southern parts of our area, but light from SE. and S. in Ireland, and from S. in Scotland; In the north of Norway it is strong to a gale from the SW^{ly}.

WEATHER

Fine and bright in the north of Sweden, cloudy or overcast elsewhere, hazy in many parts of England.
Slight snow is falling at Lyons, slight rain at Parsonstown, and considerable rain in the north west of Norway.
Bright Sunshine recorded yesterday was less than one hour at all stations; at many of them there was none.

SEA

Moderate, but increasing off our east coast and in the Channel, also at Valencia and Stornoway, slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The easterly wind is likely to increase considerably over the Channel and southern half of England, and to continue for some time.

FORECASTS

For the 24 hours ending at NOON on 26th Nov^{r} 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^{ly} and S^{ly} breezes, fresh or moderate; some showers.
1	SCOTLAND EAST	SE^{ly} and S^{ly} breezes, light; fair.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	SE^{ly} and E^{ly} winds, moderate; fair.
5	ENGLAND SOUTH	E^{ly} breezes, fresh; cloudy, but dry.
6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	SE^{ly} breezes, moderate; fair.
8	ENGLAND S.W.	E^{ly} breezes, fresh to strong; fair.
9	IRELAND NORTH	Same as No 0
10	IRELAND SOUTH	E^{ly} or SE^{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 ...	30·63	46	46	S	2	0	3
Sumburgh Head	30·45	48	47	WSW	2	bc	4
Stornoway	30·46	50	50	SW	4	0	4
Aberdeen	30·55	42	41	SW	1	bf	1
Shields	30·62	46	44	SSW	2	0	2
Ardrossan	30·56	49	49	W	0	0	1
Malin Head ...	30·54	49	48	S	3	0	1
Belmullet	30·56	50	48	S	3	om	*
Holyhead	30·62	47	45	SE	1	ogm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·56	50	49	SSW	1	0	3
Scilly	30·54	49	45	NE	2	om	3
Jersey	30·54	42	40	NE	3	om	3
Hurst Castle ...	30·59	40	38	ENE	3	om	2
Dungeness ...	30·56	42	39	ENE	3	0	2
North Foreland	30·62	43	39	E	2	0	2
London (Westminster)	30·61	42	39	E	2	ogm	*
Yarmouth ...	30·60	44	42	ESE	3	bc	2
Rochefort ...	30·45	41	39	E	3	0	*

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

Weather in morning fine in the north of Sweden, central Russia, and over the Mediterranean, but as a whole very dull elsewhere. Snow reported at Archangel and also at Vienna; fog or haze very prevalent over the British Islands. Considerable rain in the northwest of Norway and the Hebrides later, and very slight misty showers in some of the northern and western parts of the British Islands. Fog decreasing over England.

Temperature fallen in many parts of our Islands. Morning readings highest 60° at Malta, but below 40° at some of the northern Mediterranean stations; 49° at Corunna, 48° in the west of Ireland and at Stornoway, 47° at Skudenaes. Lowest (1) 9° F. at Khartoff, 11° at Moscow, 23° at Kiev, 29° at Warsaw; (2) 29° at Brussels, 31° at Paris and Lyons. Rising during day to between 50° and 56° in several parts of Scotland, and to 54° at Nice, but not touching 45° over the southern half of England, nor 40° over Germany and the northeast of France.

Wind E. over all the southern half of Europe – light or moderate in force in most places; SW. at nearly all the more northern stations, and strong in force over the Gulf of Finland; W. over the north of Scandinavia with a gale at Bodö. No important change occurring during day.

Barometer highest 30·8 in: and upwards over Central Russia, 30·3 in: and upwards, in an anticyclone embracing all but the extreme northern and southern parts of Europe. Lowest 30·0 in: and less, in two small depressions lying off the coast of Ems; 30·2 in: and less, over the extreme northern parts of Scandinavia and Russia. No important change occurring over Western Europe during day.

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, 26th November, 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 ...	30·10	35	S	0	0	29·95	-·15	33	32	- 8	S	0	0	#	0	#	45	33	-
	Hernösand ...	30·43	39	S	0	b	30·30	-·16	41	38	+ 2	W	4	b	#	b	#	48	32	-
	Stockholm ...	30·65	44	W	2	0	30·54	-·14	43	41	+ 2	WSW	4	0	#	0	#	48	37	-
	Wisby	30·76	42	W	4	0	30·67	-·11	39	37	- 4	WNW	6	0	#	0	#	43	37	-
	Karlstad ...	30·65	43	S	2	0	30·53	-·16	43	41	+ 4	SW	4	0	#	0	#	#	#	-
	Bodö	30·14	36	W	2	m	30·05	-·18	36	35	- 3	S	2	0	1	m	#	39	32	-
	Christiansund ...	30·46	48	W	6	0	30·34	-·16	48	44	- 1	WSW	8	0	6	0	#	49	45	-
	Skudesnaes ...	30·67	45	S	2	0	30·63	-·08	46	44	0	W	4	0	2	0	#	46	45	#
	Færder (Christiania Fjord)	30·65	35	NNE	1	f	30·56	-·11	38	37	0	WNW	2	b	3	f	#	38	34	-
	Skagen (The Skaw)	30·74	42	WSW	2	0	30·66	-·08	39	38	- 4	WSW	1	0	0	0	#	45	37	-
	Fanö	30·69	36	SE	4	0	30·61	-·18	33	31	+ 1	ESE	4	c	#	0	#	37	32	-
	Sumburgh Head	30·46	46	W	1	0	30·48	-·04	46	46	- 1	W	2	d	4	r.0	#	48	44	0·12
	Stornoway ...	30·49	46	WSW	3	0	30·50	+·02	45	44	- 3	WSW	3	0	3	0	0·0	48	42	-
	Wick	30·50	41	S	0	0	30·50	-·02	43	41	- 4	S	0	b	0	0	#	48	40	-
	Nairn	30·53	46	S	0	0	30·52	-·02	43	42	- 5	S	0	0	1	0	#	49	42	-
	Aberdeen ...	30·59	43	SSW	2	og	30·58	-·03	41	39	- 4	W	1	og	1	ogm.og	0·0	46	41	-
	Leith	30·58	45	S	0	0	30·55	-·07	39	37	- 7	S	1	bcm	#	0	#	46	37	-
	Shields	30·61	43	ESE	2	0	30·55	-·11	43	41	0	ENE	1	0	2	0	#	46	41	-
	Spurn Head ...	30·56	43	E	4	ov	30·46	-·18	43	41	+ 1	ENE	4	c	4	ov	#	43	41	-
	York	30·59	43	ESE	1	0	30·52	-·14	43	40	0	E	1	0	#	0	0·0	44	41	-
	Loughborough ...	30·55	40	NE	3	0	30·46	-·17	40	38	+ 1	NE	3	ogm	#	ogm	#	42	39	-
British Islands.	Ardrossan ...	30·57	45	SE	1	of	30·55	-·05	37	37	- 9	NNE	1	cf	1	o.f	#	46	36	-
	Malin Head ...	30·54	43	SE	3	om	30·50	-·07	40	39	- 4	S	1	om	1	om	#	44	39	-
	Belmullet ...	30·54	44	ESE	2	o	30·49	-·07	42	41	- 3	ESE	3	o	#	0	#	50	40	-
	Donaghadee ...	30·57	46	S	2	m	30·53	-·08	42	41	- 3	ENE	3	bc	1	m	#	46	41	-
	Liverpool (Bidston)	30·56	39	ESE	2	cm	30·49	-·13	41	38	- 2	NE	2	o	?	cm	#	43	36	-
	Holyhead ...	30·59	39	ENE	3	bcm	30·47	-·14	39	38	- 3	NE	1	cf	1	of.bcm	#	43	37	-
	Parsonstown ...	30·53	43	S	0	0	30·47	-·11	33	33	- 10	S	0	f	#	od.o	0·0	44	33	-
	Valencia ...	30·48	46	SE	2	0	30·42	-·12	39	37	- 7	S	0	om	3	om	0·0	47	37	-
	Roche's Point ..	30·50	43	ESE	3	m	30·41	-·15	42	41	- 4	ESE	3	cm	3	cm	#	47	41	0·01
	Pembroke (St. Ann's Hd.)	30·49	40	E	3	c	30·41	-·16	37	36	- 3	ENE	3	cm	2	c	0·0	41	35	-
	Scilly	30·40	43	NE	4	c	30·29	-·18	44	40	-? 5	ENE	5	c	3	om,c	0·0	48	38	-
	Prawle Point ...	30·43	40	ENE	7	0	30·31	-·20	39	37	- 2	ENE	7	og	5	og	#	41	36	-
	Jersey (St. Aubin's)	30·39	43	ENE	4	om	30·21	-·26	43	41	+ 2	ENE	5	ogm	4	c,om	#	43	39	-
	Hurst Castle ...	30·41	42	NE	4	om	30·32	-·22	41	39	0	NE	4	om	2	om	#	43	41	-
	Dungeness ...	30·39	40	E	4	c	30·24	-·25	40	38	0	NE	5	o	4	c	#	41	38	-
	North Foreland	30·46	40	E	5	0	30·39	-·17	40	38	0	NE	6	0	5	0	#	42	37	-
	London (Brixton) ...	30·47	40	NE	4	0	30·37	-·20	39	36	- 1	N	4	0	#	ogm.o	0·0	42	39	-
	Oxford	30·49	40	NE	4	0	30·39	-·21	38	36	- 1	NE	4	og	#	og	#	40	37	-
	Cambridge ..	30·52	40	NE	3	0	30·41	-·20	39	37	- 1	NE	3	0	#	0	0·1	42	37	-
	Yarmouth ...	30·51	40	ENE	6	c	30·39	-·21	39	37	- 1	ENE	6	cg	5	cg	#	42	37	-
Germany & Holland.	Cuxhaven ...	30·67	30	ESE	5	0	30·53	-·18	28	28	- 4	E	5	c	#	0	#	34	28	-
	Berlin	30·68	31	ESE	4	0	30·59	-·17	22	21	- 11	ESE	4	b	#	0	#	36	21	-
	Wiesbaden ...	#	#	#	#	#	30·28	-·24	33	29	- 9	E	2	b	#	#	#	43	32	-
	Munich... ..	30·29	31	E	6	0	30·15	-·25	24	23	- 7	E	4	b	#	0	#	30	23	-
	The Helder ...	30·56	33	E	3	0	30·43	-·20	31	30	- 3	ENE	5	0	3	0	#	36	30	-
Belgium.	Brussels ...	#	#	#	#	#	30·30	-·25	28	28	- 2	NE	4	0	#	0	#	35	29	-
	Cape Gris Nez...	30·34	35	ENE	4	m	30·26	-·21	33	33	- 1	E	3	m	3	m	#	37	32	-
	Paris	30·30	32	NNE	2	b	30·19	-·22	30	29	- 4	NNE	3	c	#	b	#	38	29	-
	Brest	?30·20	41	NE	2	0	30·21	-·25	37	34	- 4	NE	2	c	2	0	#	43	32	-
	Lorient... ...	?	39	NE	5	0	30·14	-·25	36	36	+ 1	ENE	6	0	4	0	#	39	34	-
France &	Rochefort ...	30·23	38	NE	5	0	30·13	-·21	36	36	- 1	ENE	4	0	#	c.o	#	41	34	-
	Belfort	30·22	34	E	6	b	30·07	-·24	30	29	0	E	7	m	#	b	#	38	29	-
	Lyons	30 22	33	NNW	1	0	30·08	-·18	30	29	- 3	SE	1	m	#	0	#	34	29	0·04
	Nice	30·03	46	NE	5	c	29·85	-·36	49	38	+ 9	NE	6	0	6	c	#	50	40	-
	Perpignan ...	30·15	41	NW	3	0	29·98	-·25	41	36	+ 5	W	3	0	#	0	#	47	36	-
	Biarritz ...	30·12	39	ENE	3	0	29·99	-·24	34	33	- 7	E	2	b	2	0	#	41	32	-
Penin-sula.	Corunna ...																#			
	Lisbon	30·09	49	NNW	4	b	29·97	-·23	46	44	+ 1	W	0	0	#	b	#	57	45	-
	Azores (P. Delgada)	29·58	62	SW	6	bc	29·51	-·16	60	57	- 4	SSW	7	bc	7	bc	#	66	54	0·12

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 0·0 hrs; Eastbourne 0·0 hrs; Hastings 0·0, Brighton 0·4 hr.

WEATHER CHARTS

FOR Thursday, 26th November, 1896.

BAROMETER, WIND AND SEA.

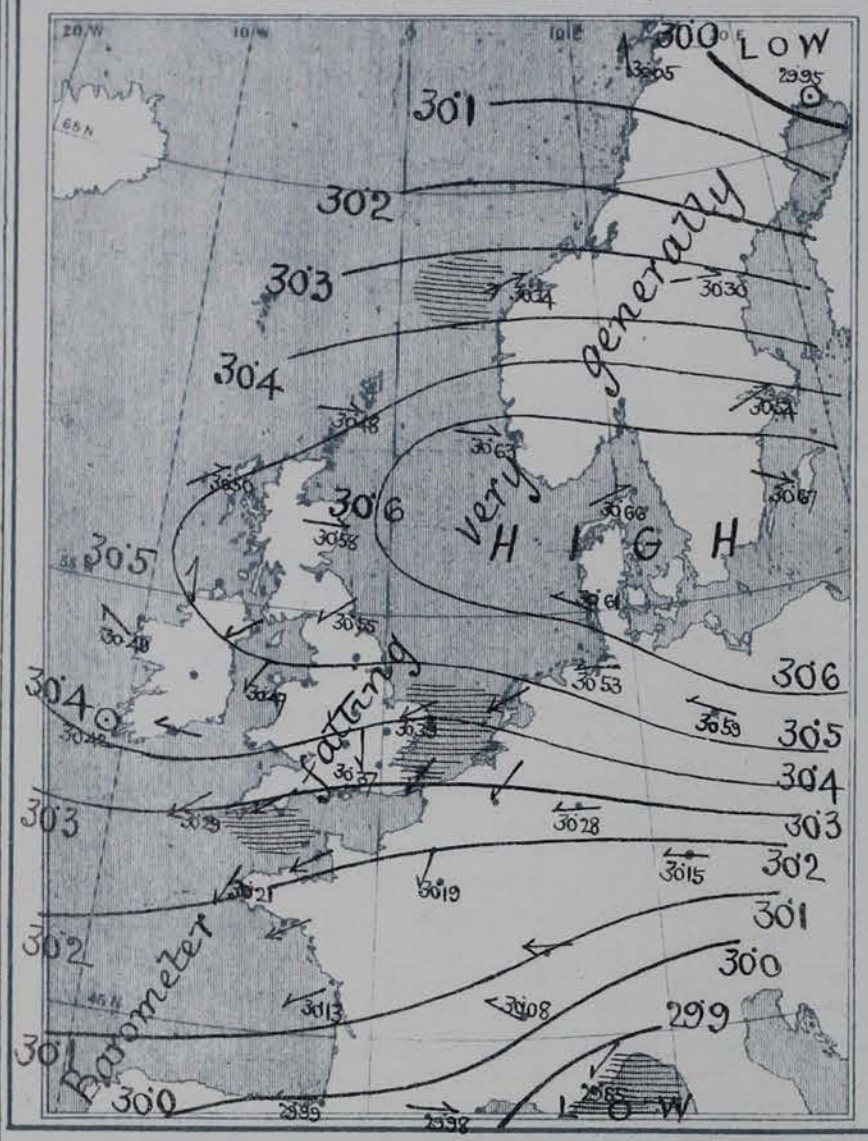
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

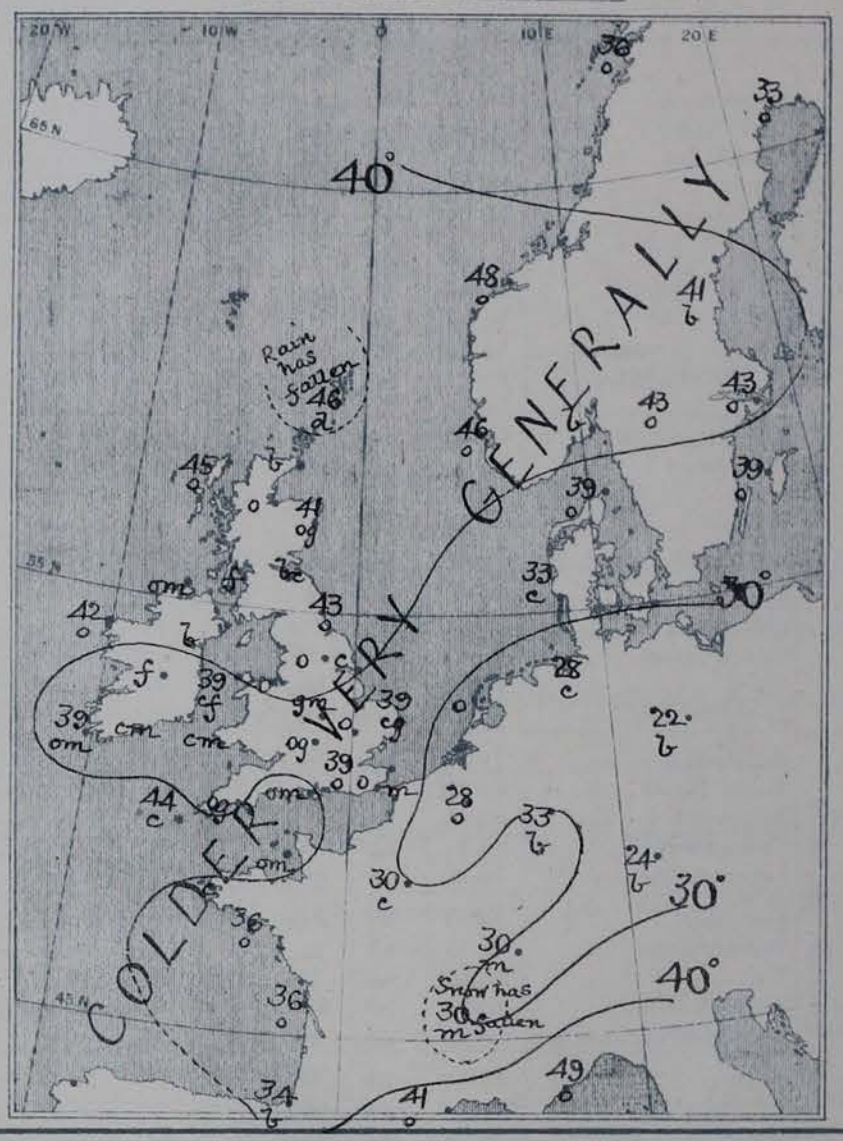


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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, 30·6 in: and more to 30·4 in: in an anticyclone covering the Baltic, the North Sea, and nearly the whole of the British Islands.
Lowest, Below 29·9 in: over the Riviera, and below 30·0 in: over the eastern parts of Lapland.
Gradients slight within the anticyclonic area – moderate for E winds in the south, and for W winds in the far north.
Barometer falling generally, but not quickly.

TEMPERATURE

Highest, 48° at Christiansund, 46° at Lerwick Head, 45° at Stornoway, 44° at Scilly, 43° at Stockholm, and 41° at Hunt Castle.
Lowest, 22° at Berlin, 24° at Munich, 28° at Brussels, 30° at Lyons and Paris.
At none of our stations did the thermometer rise to 50° throughout yesterday; at Oxford the maximum was only 40°, and those recorded over Germany and Central France were still lower.

WIND

E to NE over the southern half of our area, and moderate to strong in force; light and variable over the north of our Islands, SW and W in the far north. It blew very freshly in London during the night.

WEATHER

Fair and bright over Germany, hazy over France, cloudy or overcast at our own stations and in Scandinavia.
Lerwick Head is the only one of our stations reporting any material fall of rain for the 24 hours. Brighton and Cambridge are the only stations which recorded any Bright Sunshine, and in these localities the amounts were very small.

SEA

Moderate to rather rough on our south and east coasts, smooth in the northwest.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change of weather is indicated.

FORECASTS

For the 24 hours ending at NOON on 27TH NOVR 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W winds, moderate; some showers.
1	SCOTLAND EAST	Variable airs; fair generally, hazy at times.
2	ENGLAND N.E.	E winds, moderate; fair.
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Same as No 2.
5	ENGLAND SOUTH	NE winds, fresh or strong; fair but dull.
6	SCOTLAND WEST	Same as No 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No 5.
9	IRELAND NORTH	E and SE breezes, moderate or light; fair.
10	IRELAND SOUTH	
	WARNINGS	None Issue'

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 ...	30·71	46	45	S	4	0	2
Sumburgh Head	30·50	46	46	W	1	T	3
Stornoway	30·49	47	47	WSW	4	0	4
Aberdeen	30·68	45	43	SSW	2	0gm	1
Shields	30·62	46	45	ENE	1	0	2
Ardrossan	30·56	45	44	S	0	0	2
Malin Head ...	30·56	43	43	S	2	om	3
Belmullet	30·53	46	44	SSE	2	0	*
Holyhead	30·56	42	40	ENE	3	of	2
Valencia	30·49	47	44	SE	1	om	4
Scilly	30·43	44	42	ENE	4	om	2
Jersey	30·37	43	40	ENE	5	c	3
Hurst Castle ...	30·44	43	40	NE	5	om	3
Dungeness ...	30·41	39	38	NE	4	c	3
North Foreland	30·49	40	38	E	4	0	4
London (Westminster)	30·49	43	39	NE	3	v	*
Yarmouth ...	30·53	41	39	ENE	5	cq	4
Rochefort ...	30·29	41	39	ENE	4	c	*

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

Weather in morning fine and light over Finland and the north of Sweden on the one hand, and the south of Russia on the other, as well as over the greater part of Spain and Portugal. Very variable over the Mediterranean and France, with snow at Lyons and Turin; overcast and hazy in the British Islands, with some rain at Parsonstown, Sumburgh Hd and Roche. Rain falling later in the Shetland Islands, snow at Lyons; Weather gloomy but dry over Great Britain and Ireland.

Temperature in morning highest 60° at Malta, 54° at Algiers, 52° at Cagliari; 49° at Christiansund, 48° at Stornoway and Skudesnaes, and 44° to 46° in the Irish coasts. Lowest 5° F. at Kharkov, and between that value and 21° over the southern half of Russia generally; 30° at Belfort and and Brussels, 33° at Lyons, 34° at Paris. Failing to reach 50° in any part of our Islands later, and not touching 40° at many of the German and French stations.

Wind E to NE over all the southern half of Europe; S to SW at our own northern stations, SW to W over northern Europe and strong to a gale in force on the Norwegian coast and at Archangel. E wind increasing in strength later, especially over the East of England and the English Channel.

Barometer highest 30·9 in: and more over the southern half of Russia, and exceeding 30·5 in: in a well marked ridge extending thence across Central Europe and the North Sea to the British Islands. Lowest 29·8 in: and less to 30·0 in: in a complex depression over the southern side of the Mediterranean, and in another system over the White Sea and the Kola Peninsula. Falling somewhat over Western Europe during the day.

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 Friday, 27th November, 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 ...	29.88	32	NW	4	b	29.95	.00	23	22	- 10	NW	4	b	*	b	*	39	23	-
	Hernösand ...	30.17	42	W	4	b	30.26	-.04	29	28	- 12	W	0	bc	*	b	*	45	27	-
	Stockholm ...	30.33	39	W	2	0	30.28	-.26	34	32	- 9	NNW	2	b	*	0	*	45	34	-
	Wisby	30.42	37	W	4	0	30.26	-.41	40	39	+ 1	NW	4	0	*	0	*	46	32	-
	Karlstad ...	30.38	38	WSW	2	0	?	?	34	33	- 9	NW	2	0	*	0	*	*	*	-
	Bodö	30.18	32	W	6	0	30.22	+.17	30	26	- 6	NW	7	8	4	0	*	36	27	-
	Christiansund ...	30.43	44	WSW	3	r	30.36	+.02	39	38	- 9	E	2	r	4	r	*	48	39	0.49
	Skudesnaes ...	30.51	45	W	0	0	30.34	-.29	45	45	- 1	NW	2	0	2	0	*	46	43	*
	Færder (Christiania Fjord)	30.42	32	N	1	f	30.30	-.26	36	35	- 2	NNE	2	b	1	f	*	39	32	-
	Skagen (The Scaw)	30.42	38	WSW	1	0	30.28	-.38	39	39	0	SE	1	0	0	0	*	41	36	-
	Fanö	30.45	31	E	2	0	30.26	-.35	31	31	- 2	W	0	0	*	0	*	36	28	-
	Sumburgh Head	30.49	46	W	1	c	30.41	-.07	46	45	0	WNW	2	0	3	0.c	*	47	43	0.03
	Stornoway ...	30.49	45	W	0	0	30.42	-.08	46	46	+ 1	E	3	0	3	0	0.0	46	43	-
	Wick	30.53	44	S	1	0	30.40	-.10	43	42	0	NE	1	0	0	0	*	47	42	-
	Nairn	30.48	43	W	0	0	30.40	-.12	43	41	0	W	0	0	1	0	*	45	40	-
	Aberdeen ...	30.53	41	W	1	0g.m	30.43	-.15	40	38	- 1	W	2	0g	2	0g.m	0.0	43	39	-
	Leith	30.50	42	SW	1	0	30.38	-.17	43	41	+ 4	E	3	c	*	0	*	43	37	-
	Shields	30.47	43	ENE	3	0	30.36	-.19	42	40	- 1	NE	3	0	3	0	*	44	40	-
	Spurn Head ...	30.35	42	ENE	5	cv	30.24	-.22	43	40	0	ENE	4	bc	4	cv	*	44	42	-
	York	30.42	43	NNE	3	0	30.31	-.21	41	38	- 2	NNE	1	0	*	0	?	44	37	-
	Loughborough ...	30.34	41	NE	5	0	30.24	-.22	38	37	- 2	NE	3	cmw	*	gm.og.c	*	42	38	-
BRITISH ISLANDS.	Ardrossan ...	30.46	40	NNE	1	0f	30.35	-.20	41	40	+ 4	ENE	4	0m	2	bcf.0f	*	41	36	-
	Malin Head ...	30.43	42	E	3	cm	30.31	-.19	43	42	+ 3	E	4	0m	2	c.m	*	45	39	-
	Belmullet ...	30.43	40	E	2	b	30.29	-.20	38	37	- 4	ENE	3	b	*	b	*	43	33	-
	Donaghadee ...	30.44	43	NE	5	b	30.33	-.20	42	40	0	ENE	5	b	4	b	*	44	40	-
	Liverpool (Bidston)	30.38	41	ENE	1	0	30.28	-.21	38	36	- 3	ENE	3	c	?	cm.0m	*	43	38	-
	Holyhead ...	30.36	43	NE	4	c	30.27	-.20	41	39	+ 2	NE	5	c	2	cm.c	*	44	37	-
	Parsonstown ...	30.37	42	E	1	0	30.21	-.26	40	38	+ 1	E	2	0	*	bc.0	1.3	44	32	-
	Valencia ...	30.30	41	E	3	bm	30.11	-.31	40	36	+ 1	ESE	3	b	3	bcm.bm	4.0	45	36	-
	Roche's Point ...	30.31	43	ENE	3	c	30.14	-.27	40	38	- 2	NE	4	bc	4	c	*	44	38	-
	Pembroke (St. Ann's Hd.)	30.24	39	ENE	3	b	30.11	-.30	37	35	0	ENE	4	b	2	b	5.7	46	35	-
	Scilly	30.13	43	ENE	4	c	29.96	-.33	43	40	- 1	ENE	6	c	3	c	0.0	44	39	-
	Prawle Point ...	30.13	39	ENE	7	0	29.99	-.32	40	38	+ 1	ENE	7	0g	6	0g	*	40	36	-
	Jersey (St. Aubin's)	30.05	44	ENE	6	0	29.98	-.23	35	34	- 8	E	5	bm	4	0m.0	*	45	34	-
	Hurst Castle ...	30.14	39	ENE	5	0m	30.05	-.27	39	37	- 2	NE	4	cm	3	0m.cm	*	41	37	-
	Dungeness ...	30.11	39	ENE	5	c	30.05	-.19	39	37	- 1	ENE	4	b	3	0.c	*	41	37	-
	North Foreland	30.21	39	NE	6	0	30.11	-.28	39	37	- 1	E	5	bc	5	0	*	41	36	-
	London (Brixton) ...	30.23	37	NE	3	0	30.12	-.25	36	35	- 3	E	2	bm	*	0g.c	0.0	40	36	-
	Oxford	30.22	38	NE	5	b	30.16	-.23	35	34	- 3	NE	4	b	*	0g.c	*	40	35	-
	Cambridge ...	30.27	38	NNE	4	b	30.20	-.21	32	31	- 7	N	3	b	*	b	0.0	41	30	-
	Yarmouth ...	30.27	39	NE	5	bc	30.17	-.22	41	38	+ 2	ENE	5	b	5	cg.bc	*	41	37	-
GERMANY & HOLLAND.	Cuxhaven ...	30.38	32	E	4	b	30.19	-.34	28	28	0	NE	1	f	*	b.m	*	34	27	-
	Berlin	30.39	25	NE	5	b	30.21	-.38	22	21	0	NNE	4	0	*	b	*	30	19	-
	Wiesbaden ...	*	*	*	*	*	30.03	-.25	26	25	- 7	E	2	b	*	*	*	41	25	-
	Munich	30.02	26	NE	4	b	29.91	-.24	21	21	- 3	NE	3	0	*	b	*	34	19	-
	The Helder ...	30.30	32	E	4	b	30.21	-.22	31	30	0	ENE	1	b	1	b	*	32	30	-
BELGIUM.	Brussels ...	*	*	*	*	*	30.10	-.20	22	22	- 6	NE	4	b	*	b	*	33	21	-
	Cape Gris Nez ...	?	34	E	7	m	30.02	-.24	28	27	- 5	E	5	m	5	m	*	37	27	-
	Paris	30.04	30	NNE	2	b	29.97	-.22	26	25	- 4	NE	2	b	*	b	*	35	25	-
	Brest	30.06	45	ENE	2	0	29.92	-.29	34	32	- 3	ENE	3	c	2	0	*	46	30	-
	Lorient	30.03	38	ENE	6	0	29.86	-.28	34	33	- 2	E	5	0	3	0	*	38	29	-
FRANCE &	Rochefort ...	30.01	35	ENE	4	0	29.84	-.29	35	34	- 1	E	5	0	*	0	*	39	35	-
	Belfort	29.97	30	E	5	m	29.98	-.09	23	22	- 7	E	3	m	*	m	*	32	23	-
	Lyons	29.99	33	ESE	1	m	29.92	-.16	30	30	0	NNW	1	m	*	m	*	37	30	-
	Nice	29.83	44	E	1	b	29.81	-.04	43	39	- 6	W	0	c	3	b	*	50	41	-
	Perpignan ...	29.89	41	SE	2	b	29.83	-.15	31	31	- 10	W	2	b	*	b	*	51	30	-
	Biarritz ...	29.92	46	E	2	0	29.77	-.22	36	34	+ 2	ENE	3	r	2	0m	*	43	32	-
PENINSULA.	Corunna ...																*			
	Lisbon	29.77	48	NE	3	0	29.60	-.37	43	42	- 3	NE	4	r	*	0	*	54	41	-
	Azores (P. Delgada)	29.41	61	W	6	c	29.48	-.03	61	55	+ 1	WNW	4	bc	5	c	*	63	54	0.20

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 Westminster Training College, Westminster.*

Bright Sunshine yesterday Southport 0.5 hrs; Eastbourne 0.0 hrs; Hastings 0.0. Brighton 3.0

WEATHER CHARTS

FOR *Friday, 27th November, 1896.*

BAROMETER, WIND AND SEA.

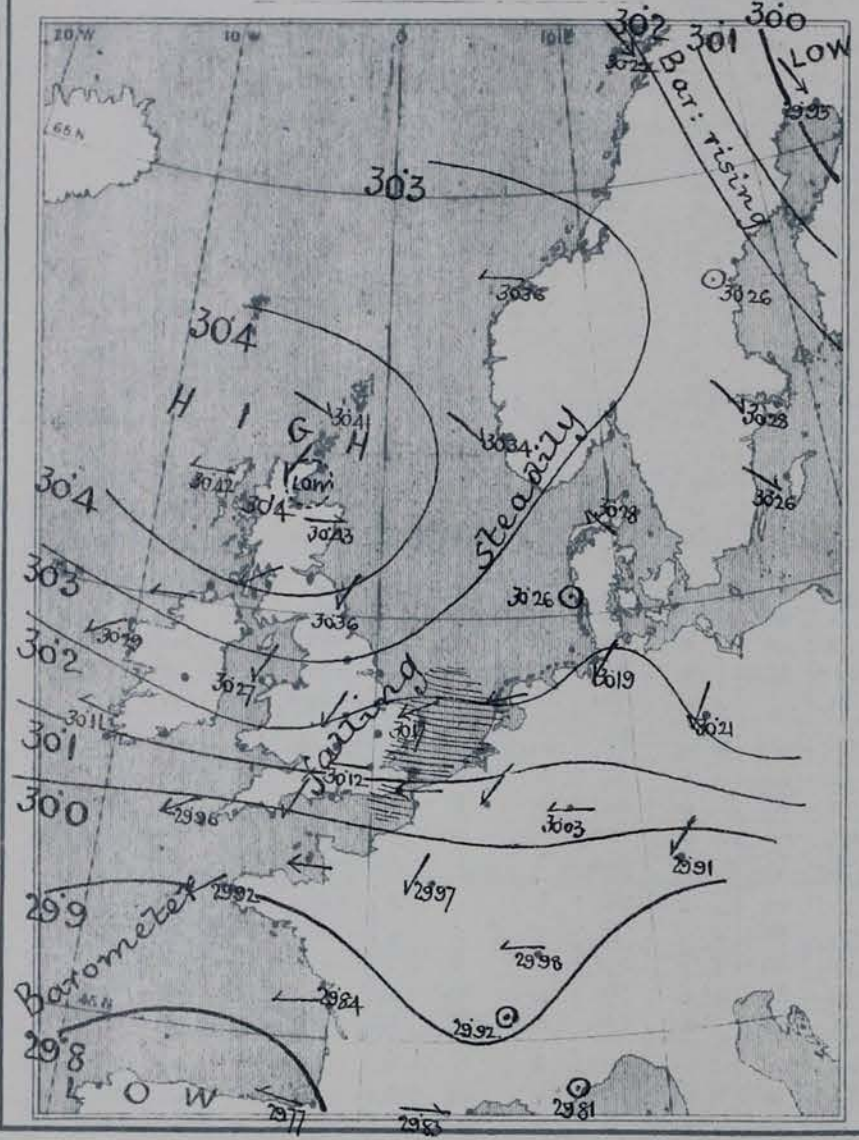
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ⟶ ; } Calm ⊙

SEA—Rough ▤ ; *High* ▩

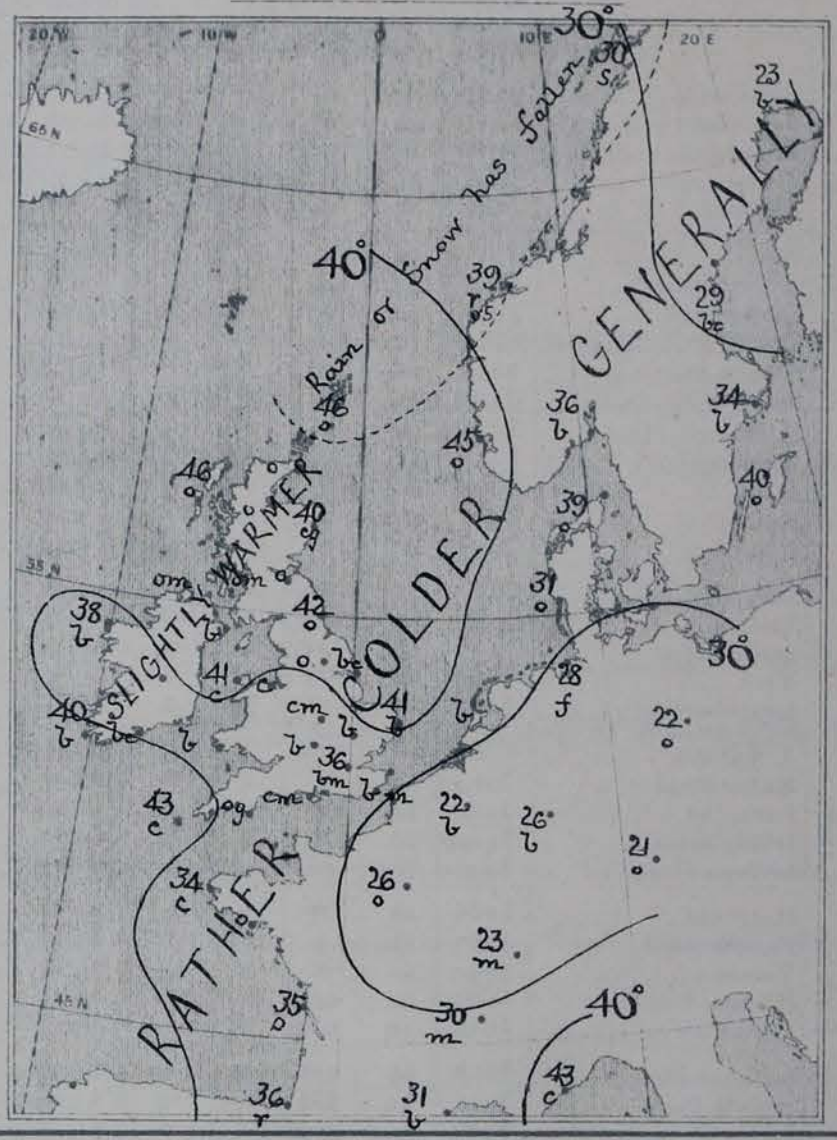


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1889	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63	1881, 93, 94, 95	19	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	67	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1873	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	29	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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 in: and more to 30·3 in: over the northern parts of our Islands and the southern half of Norway.
Lowest, Below 29·8 in: over the north of Spain (29·6 in: at Lisbon), and below 30·0 in: at Haparanda.
Gradients very slight in the north, moderate over England, and mainly favourable for E. winds.
Barometer falling except in the extreme north.

TEMPERATURE

Highest, 46° at Lerwick Head and Stornoway, 43° at Wick, Malin Head, and Scilly.
Lowest, (1) 23° at Haparanda, 29° at Hernösand; (2) 21° at Munich, 22° at Berlin and Brussels, and much below the freezing point over Germany and Central France as a whole.
The general tendency is to decrease in most places.

WIND

Strong from NW. over Lapland; light and variable over Scotland; E. over Ireland, England, the Bay of Biscay and France, and is blowing strongly at some of the Channel stations, locally at Yarmouth and the mouth of the Thames.

WEATHER

Fair generally, and at many of our stations the sky has cleared, but haze is prevalent in some localities.
Bright Sunshine recorded yesterday was from 6 to 4 hours on our extreme southwestern coasts, none in the north, south, or east.

SEA

Rather rough in the southeast and south, smooth in the north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Cold dry easterly winds are likely to continue and to blow strongly over the Channel and on our east coasts.

FORECASTS

For the 24 hours ending at NOON on 28TH Nov. 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying airs; slight misty showers at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE. winds, moderate; fair.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NE. winds, moderate; fair, cold.
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	E. breezes, moderate; fair.
8	ENGLAND S.W.	E. winds, strong to fresh; fair.
9	IRELAND NORTH	Same as No 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 ...	30·60	46	46	NW	2	0	2
Sumburgh Head	30·51	46	46	W	2	0	3
Stornoway	30·51	46	45	W	0	0	0
Aberdeen	30·55	43	40	W	1	0 q m	1
Shields	30·50	44	42	ENE	3	0	3
Ardrossan	30·46	40	40	NNE	1	b c f	1
Malin Head ...	30·47	44	43	E	3	c	1
Belmullet	30·46	43	41	ESE	3	b	*
Holyhead	30·41	43	41	NE	3	c m	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·35	44	41	E	2	b c m	3
Scilly	30·21	42	39	NE	4	c	2
Jersey	30·11	45	42	ENE	5	0	4
Hurst Castle ...	30·21	41	38	NE	4	o m	4
Dungeness ...	30·14	40	38	ENE	5	0	4
North Foreland	30·25	38	37	ENE	6	0	5
London (Westminster)	30·26	40	37	NNE	4	0	#
Yarmouth ...	30·30	39	37	ENE	6	c q	5
Rochefort ...	30·06	39	37	E	4	0	#

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

Weather in morning fine and bright over Central Europe and Southern Russia, cloudy or overcast in most other places, gloomy, but quiet over the British Islands, very unsettled over the Mediterranean, with rain at several stations. Rain falling in the northwest of Norway and the Shetland Islands, very little change elsewhere.

Temperature falling considerably over Central Europe, slightly in Scotland, rising over Italy. Morning readings highest (1) 57° to 50° over the southern parts of the Mediterranean, 49° at Nice; (2) 48° at Christiansund, 46° at Sumburgh Head, 44° at Scilly, 43° at Jersey and Coruunna. Rising later to between 45° and 48° in the north of Scotland and the west of Norway, but scarcely exceeding 40° in the south of England, and not exceeding 35° at Paris and 30° at Berlin.

Wind E[1] to NE[3] over the southern half of Europe generally — blowing a gale at Trieste, and a strong breeze in many other places; nearly calm over Central Russia and Scotland: W[1] over northern Europe, and blowing a gale at Christiansund and Hielaborg. No decided change later.

Barometer highest 30·8 in: and more to 30·7 in: over the south and west of Russia, and exceeding 30·4 in: in a ridge extending thence in a westerly direction across the North Sea and the greater part of the United Kingdom. Lowest 29·7 in: and less, in a large depression lying over the eastern parts of the Mediterranean, and below 30·0 in: in another over Lapland and the Kola Peninsula. Gradients very steep over Dalmatia, Greece, and southeastern Europe as a whole. The northern depression apparently moving southeastwards later, but barometer falling over France and the British Islands.

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.
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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 28th November, 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	18	NW	3	b	29.93	-.02	15	14	- 8	NNW	6	c	*	b	*	34	15	-
	Hernösand ...	30.09	28	NW	6	b	30.15	-.11	24	21	- 5	NW	6	b	*	b	*	21	24	-
	Stockholm ...	30.11	33	NW	4	s	30.10	-.18	25	23	- 9	NW	4	b	*	s	*	37	25	-
	Wisby	30.09	39	NNE	4	bc	30.03	-.23	31	?	- 9	N	10	bc	6	bc	*	41	?31	-
	Karlstad ...	30.19	35	NNW	2	o	30.28	?	28	24	- 6	N	6	b	*	o	*	*	*	-
	Bodö	30.21	28	NNW	6	c	30.25	+.03	31	29	+ 1	N	6	c	2	c	*	31	25	-
	Christiansund ...	30.42	37	NE	5	o	30.50	+.14	33	32	- 6	NE	1	s	4	q	*	39	32	0.08
	Skudesnaes ...	30.18	43	N	0	b	?	?	43	40	- 2	ENE	6	o	3	c, b	*	47	37	*
	Færder (Christiania Fjord)	30.19	37	N	1	bc	30.32	+.02	33	29	- 3	NNE	4	b	2	bc	*	37	32	-
	Skagen (The Scaw)	30.18	38	W	0	o	30.25	-.03	35	30	- 4	NE	5	b	2	o	*	41	34	-
	Fanö	30.12	31	E	2	b	30.15	-.11	32	31	+ 1	E	3	o	*	b	*	34	30	-
	Sumburgh Head	30.30	46	N	2	o	30.35	-.06	41	38	- 5	NE	4	c	4	o	*	48	39	-
	Stornoway ...	30.37	45	E	3	o	30.34	-.08	44	44	- 2	E	5	o	5	c, o	1.0	47	42	-
	Wick	30.34	44	NE	1	o	30.33	-.07	43	42	o	E	6	c	2	o	*	46	42	0.04
	Nairn	30.35	41	E	1	o	30.29	-.11	43	41	o	E	4	o	2	o	*	46	39	0.10
	Aberdeen ...	30.32	42	NNW	3	oq	30.28	-.15	43	39	+ 3	NE	6	ogq	6	oq, r	0.0	45	40	0.09
	Leith	30.29	43	E	3	o	30.19	-.19	45	44	+ 2	ENE	4	rm	*	o	*	46	41	0.04
	Shields	30.21	46	NE	4	d	30.15	-.21	44	44	+ 2	NE	4	d	4	o, d	*	47	41	0.12
	Spurn Head ...	30.02	46	NNE	6	rq	30.08	-.16	40	38	- 3	E	5	c	5	c, dq, r	*	46	38	0.05
	York	30.13	45	NNE	3	o	30.11	-.20	40	38	- 1	E	1	c	*	o	0.0	46	39	0.06
	Loughborough ...	30.09	41	NE	2	o	30.02	-.22	36	34	- 2	E	4	o	*	c, o, d, o	*	44	34	0.06
British Islands.	Ardrossan ...	30.27	42	ENE	4	om	30.15	-.20	46	46	+ 5	ENE	5	cm	2	om	*	46	40	-
	Malin Head ...	30.24	44	E	5	om	30.14	-.17	47	46	+ 4	E	4	o	2	c, om	*	47	42	-
	Belmullet ...	30.22	40	ENE	2	b	30.13	-.16	47	46	+ 9	ENE	3	o	*	b	*	48	35	-
	Donaghadee ...	30.23	45	ENE	6	bc	30.10	-.23	48	47	+ 6	ENE	7	c	5	bc	*	48	40	-
	Liverpool (Bidston)	30.15	42	NNE	1	o	30.02	-.26	40	37	+ 2	ENE	5	o	?	c, o, q	*	46	37	-
	Holyhead ...	30.13	43	NE	5	c	29.99	-.28	44	43	+ 3	NE	5	ogp	4	bc, c	*	44	39	0.01
	Parsonstown ...	30.16	38	SE	1	b	30.01	-.20	44	43	+ 4	N	2	od	*	b, c	6.0	44	39	-
	Valencia ...	30.07	41	ENE	3	b	29.96	-.15	44	41	+ 4	NE	4	oq	4	b	6.7	47	36	-
	Roche's Point ..	30.06	41	ENE	4	b	29.96	-.18	45	44	+ 5	NNE	4	o	2	b	*	46	39	-
	Pembroke (St. Ann's Hd.)	30.04	41	ENE	4	o	29.87	-.24	41	39	+ 4	E	5	oq	3	b, o	6.6	46	36	-
	Scilly	29.93	44	ENE	6	c	29.89	-.27	42	37	- 1	ENE	6	c	4	o, c	0.2	45	37	-
	Prawle Point ...	29.95	40	ENE	7	b	29.71	-.28	34	33	- 6	ENE	8	ops	6	b, osp	*	43	33	0.02
	Jersey (St Aubin's)	29.90	41	E	4	bm	29.66	-.32	34	33	- 1	ESE	7	ohsm	4	b, og	*	43	32	0.03
	Hurst Castle ...	29.98	42	NE	3	o	29.83	-.22	35	33	- 4	ENE	7	om	5	bm, o	*	43	34	-
	Dungeness ...	29.91	41	NNE	3	bc	29.91	-.14	31	30	- 8	ENE	6	bc	5	b, o	*	42	29	0.01
	North Foreland	29.95	43	NE	5	o	29.96	-.15	33	32	- 6	E	6	c	5	b, o	*	43	30	0.06
	London (Brixton) ...	29.97	41	NE	3	o	29.95	-.17	32	30	- 4	ENE	4	bc	*	oq, od, c	2.5	44	32	-
	Oxford	29.95	40	NE	3	d	29.95	-.21	32	30	- 3	ENE	3	b	*	b, d	*	44	32	0.01
	Cambridge ...	29.98	41	N	4	d	30.02	-.18	33	31	+ 1	E	1	o	*	bc, d	4.1	45	31	0.05
	Yarmouth ...	29.93	45	NNE	4	or	30.01	-.16	36	33	- 5	E	6	c	5	c, or	*	45	33	0.03
Germany & Holland.	Cuxhaven ...	30.06	28	E	4	b	30.08	-.11	32	32	+ 4	NNE	2	b	*	b	*	34	25	-
	Berlin	30.07	27	SE	4	o	30.04	-.17	29	28	+ 7	NNW	4	o	*	o	*	29	21	-
	Wiesbaden ...	*	*	*	*	*	29.98	-.05	26	25	o	NE	1	b	*	*	*	?	23	-
	Munich... ..	29.86	24	E	2	o	29.91	.00	24	23	+ 3	E	1	o	*	o	*	25	21	-
	The Helder ...	29.97	32	E	5	b	30.08	-.13	28	27	- 3	E	1	bc	1	b	*	34	27	-
Belgium.	Brussels ...	*	*	*	*	*	30.00	-.10	21	21	- 1	NE	4	b	*	o	*	31	19	-
	Cape Gris Nez...	29.89	40	ENE	4	r	29.90	-.12	24	24	- 4	E	4	m	4	r	*	41	23	0.12
	Paris	29.87	31	N	2	o	29.82	-.15	25	24	- 1	ENE	3	b	*	o	*	37	25	-
	Brest	29.80	35	NE	1	o	29.64	-.28	39	38	+ 5	NE	3	r	2	o	*	45	30	0.08
	Lorient... ...	29.86	36	ENE	4	c	29.58	-.28	36	33	+ 2	SSE	2	o	2	c	*	36	?	-
France &	Rochefort ...	29.77	37	ENE	4	m	29.57	-.27	36	36	+ 1	ESE	4	m	*	m	*	41	32	-
	Belfort	29.87	26	E	3	m	29.95	-.03	22	21	- 1	E	3	m	*	m	*	30	19	-
	Lyons ...	29.85	32	NNW	1	b	29.83	-.09	30	30	o	NNW	1	f	*	b	*	37	23	-
	Nice	29.76	43	E	1	b	29.85	+.04	42	39	- 1	W	0	o	2	b	*	52	41	-
	Perpignan ...	29.75	37	E	1	b	29.60	-.23	49	44	+ 18	SE	3	o	*	b	*	48	31	-
	Biarritz ...	29.63	41	E	3	o	29.42	-.35	46	37	+ 10	ESE	4	o	2	o	*	46	36	0.08
Penin-sula.	Corunna ...																*			
	Lisbon	29.46	57	SW	1	.o	29.57	-.03	55	53	+ 12	NNW	4	o	*	o	*	59	43	0.12
	Azores (P. Delgada)	29.39	37	W	5	c	29.27	-.21	55	50	- 6	SW	5	o	5	c	*	64	50	0.28

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 3.5 hrs; Eastbourne 6.2 hrs; Hastings 7.2 hrs. Brighton 6.7 hrs.

WEATHER CHARTS

FOR Saturday, 28th November, 1896.

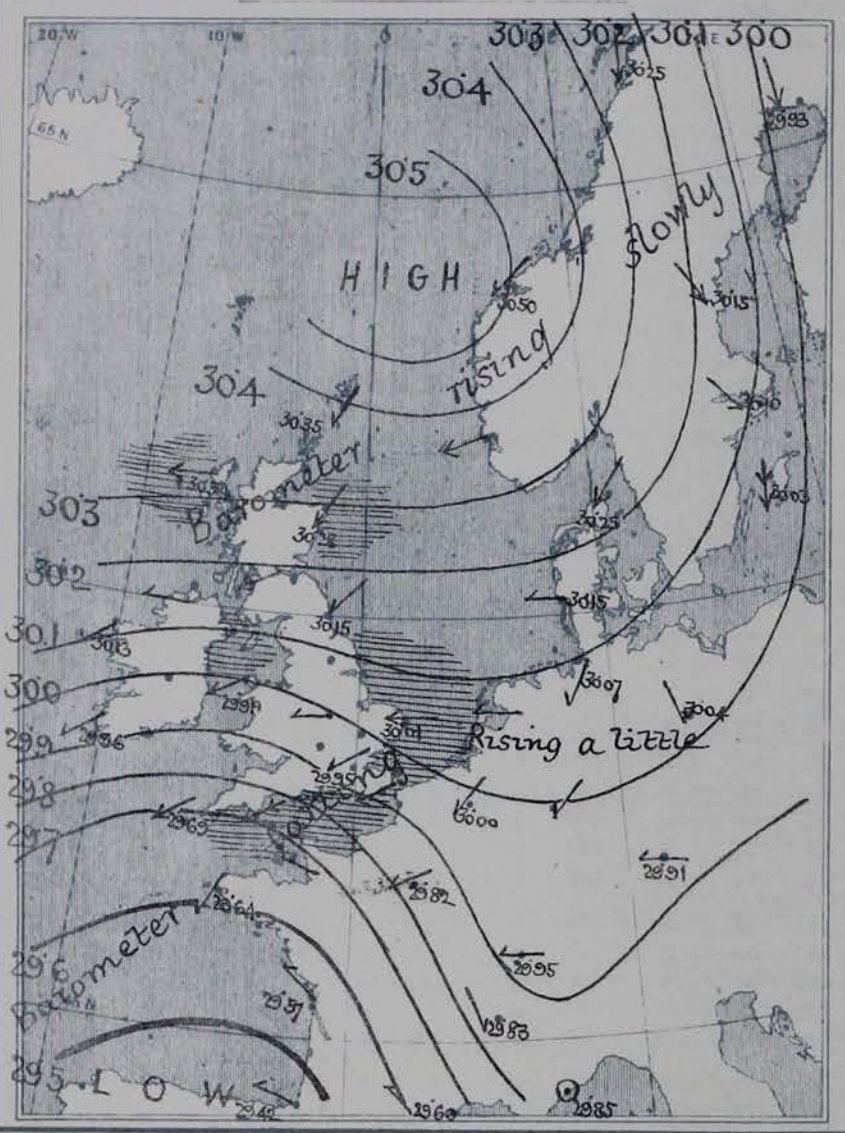
BAROMETER, WIND AND SEA.

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*

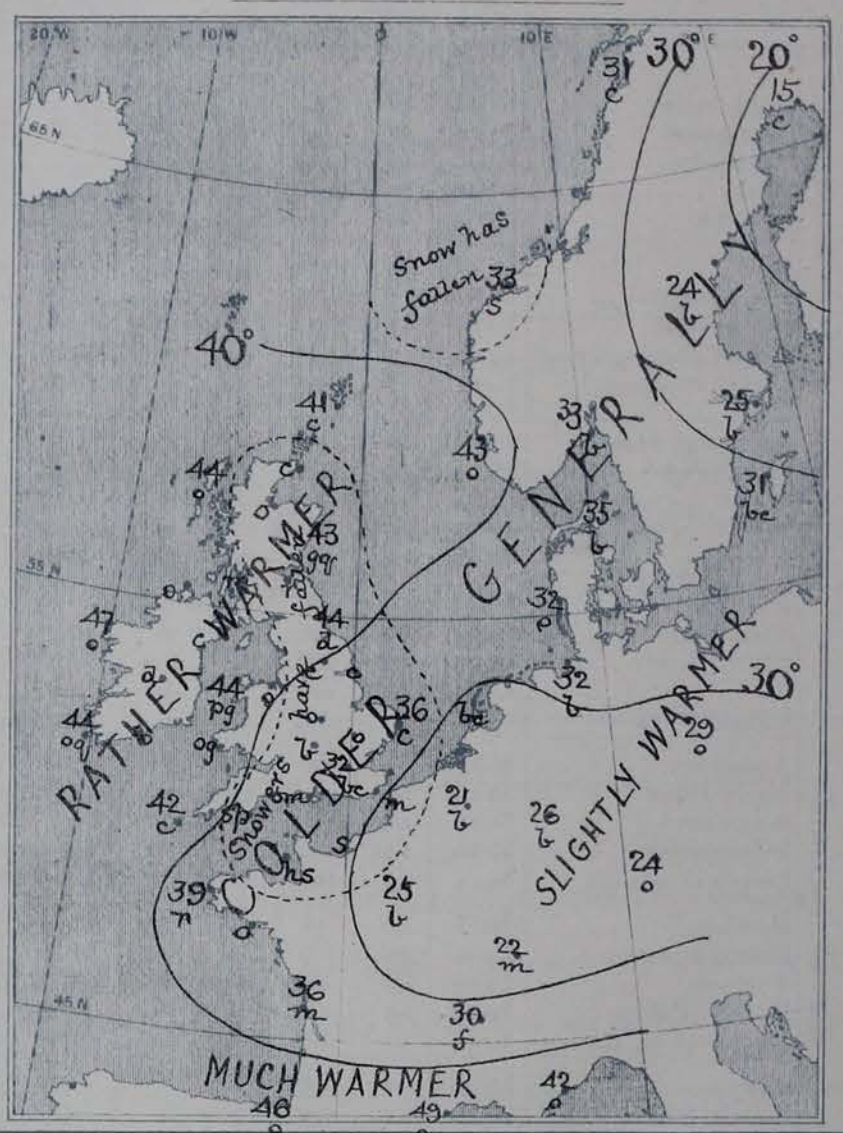


TEMPERATURE & WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·850	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3*	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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, 30·5 in. at Christiansund, and exceeding 30·0 in. over Norway, the Shetlands, and the north of Scotland; 30·0 in. over North Germany.
Lowest, 29·5 in. over the Spanish Peninsula.
Gradients rather steep over France and the southwest of our Islands, moderate elsewhere.
Barometer rising in the north and east, falling in the west and southwest.

TEMPERATURE

Highest (1) 48° to 47° in the north of Ireland, and considerably above 40° on our north and west coasts generally; (2) 49° at Perpignan, 46° at Biarritz.
Lowest, (1) 15° at Haparanda, 25° at Stockholm, 28° at Karlstad; (2) 21° at Brussels, 22° at Brest, 25° at Paris. Air very keen.
It rose considerably over England yesterday afternoon, but has since fallen fast. The maxima recorded were as high as 48° in the north of Ireland, 43° to 44° at our southern stations.

WIND

E. all over the British Isles, varying in force from a moderate breeze to a moderate gale. Prawle Point, however, reports a fresh gale.
At the Scandinavian stations the wind is N., and blows hard at Wisby.
It blew very strongly over our southeastern counties last night.

WEATHER

Fine over the Continent as a whole, as well as over the eastern half of England, dull elsewhere, with slight cold showers in the south and west.
Slight showers fell at many of the stations in Great Britain yesterday.
Bright Sunshine recorded was 6 to 7 hrs. over our eastern and southern districts, 4 hrs. at Cambridge, 2½ hrs. in London.

SEA

Rough on exposed parts of all the British coasts, moderate in the east and northwest.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

3

Cold Easterly winds are still probable in all districts.

FORECASTS

For the 24 hours ending at NOON on 29TH NOVR. 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NE. and E. winds, strong to moderate; cold, dry as a whole.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NE. and E. winds, strong to moderate; cold, dry as a whole.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	NE. winds, fresh to moderate; fair, cold.
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 ...	30·21	47	45	N	6	c	2
Sumburgh Head	30·36	47	47	NW	2	o	3
Stornoway	30·40	47	46	E	3	o	3
Aberdeen	30·36	42	40	NW	2	oq	3
Shields	30·29	46	44	NNE	3	o	3
Ardrossan	30·26	43	43	ENE	4	om	2
Malin Head ...	30·27	44	42	E	4	c	2
Belmullet	30·24	45	42	E	2	b	*
Holyhead	30·20	42	39	NE	4	bc	3
Valencia	30·07	44	40	ENE	5	b	5
Scilly	29·94	45	42	ENE	6	c	3
Jersey	29·93	42	39	ENE	4	b	3
Hurst Castle ...	30·01	43	40	NE	4	bm	3
Dungeness ...	29·96	42	37	NE	5	b	4
North Foreland	30·05	42	37	E	5	b	5
London (Westminster)	30·07	43	39	ENE	3	bm	*
Yarmouth ...	30·08	42	40	NE	4	cm	4
Rochefort ...	29·80	37	37	E	3	m	*

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

Weather in morning fine and light over Finland on the one hand and over the south of Russia on the other, and also over many parts of the British Islands, the Netherlands, and the northeast of France; very dull elsewhere, with rain and snow in the north of Norway, and rain at many of the Mediterranean stations. Cold showers reported later in most parts of Great Britain and the north and west of France.

Temperature rises over southeastern Europe and over Morocco, falls elsewhere. Morning readings highest (1) 60° at Nemours, 59° at Malta, 54° at Algiers, 51° at San Fernando; (2) 46° at Lerwick Head and Stornoway, 45° at Skudesnaes, 43° at Malin Head and Scilly. Lowest 11° at Kiew, 12° at Kharkov, and much below the freezing point over southeastern, central, and northern Europe generally; (2) 35° at Oxford. Rising later to 48° at some of our northwestern stations, and to between 43° and 45° over our southern counties; reaching 52° at Nice, but not touching 40° at Paris nor 30° at Berlin.

Wind very variable over southeastern Europe and the Mediterranean, E? over central and western Europe, and blowing a fresh to strong breeze from that direction over the English Channel and our east coasts. Very light and variable in Scotland; W? to NW?, and strong over Lapland, Finland, and the north of Russia. Freshening considerably in the southeast and south of England later, and the E? wind spreading northwards to Scotland.

Barometer highest 30·5 ins: to 30·3 ins: over the southern half of Russia, Poland, and the east of Prussia; 30·4 ins: to 30·3 ins: over the northern part of our Islands and the greater part of Norway. Lowest 29·6 ins: and less: in a well marked depression near Lisbon, and about 29·7 ins: in another over the White Sea. The southern depression moving northeastwards later, and barometer falling decidedly over France, Ireland, and the south 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.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 29th November, 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 ...	30·00	12	N	2	b	30·03	+·10	9	8	— 6	N	2	b	#	b	h	19	9	—
	Hernösand ...	30·14	25	NW	6	b	30·14	—·01	32	30	+ 8	N	2	b	#	b	#	32	21	—
	Stockholm ...	30·06	?	NW	?	?	30·12	+·02	21	10	— 4	NW	4	b	#	?	#	34	21	0·14
	Wisby	30·03	30	N	8	b	30·09	+·06	25	24	— 6	NE	6	s	#	b	#	32	23	0·12
	Karlstad ...	30·25	24	N	2	b	30·23	—·05	28	27	0	N	2	o	#	b	#	#	#	—
	Bodo	30·20	32	N	2	c	29·99	—·26	26	22	— 5	NNE	4	o	1	c	#	32	23	—
	Christiansund ...	30·43	36	NE	2	r	30·29	—·27	42	41	+ 9	NW	8	r	5	r	#	43	32	0·28
	Skudesnaes ...	30·41	38	S	4	o	30·38	?	33	32	— 10	W	2	o	2	o	#	43	32	#
	Færder (Christiania Fjord)	30·34	32	NNW	4	b	30·28	—·04	32	28	— 1	NW	1	c	1	b	#	36	30	—
	Skagen (The Scaw)	30·34	36	ENE	3	b	30·32	+·07	36	35	+ 1	N	2	b	0	b	#	37	32	—
	Fano	30·34	27	NE	1	b	30·37	+·22	26	?	— 6	NE	1	b	#	b	#	36	26	—
British Islands.	Sumburgh Head	30·45	41	NE	3	c	30·45	+·10	36	34	— 5	W	2	o	3	c	#	43	32	—
	Stornoway ...	30·39	42	E	4	b	30·40	+·06	41	41	— 3	ESE	4	bc	4	b	0·3	44	37	—
	Wick	30·40	42	E	5	c	30·42	+·09	34	33	— 9	E	1	bc	4	c	#	47	32	—
	Nairn	30·36	45	E	2	o	30·43	+·14	31	29	— 12	W	0	b	1	o	#	45	29	—
	Aberdeen ...	30·35	44	NE	5	bcq	30·49	+·19	33	32	— 10	NNW	2	bcm	6	bcq	0·0	44	31	0·01
	Leith	30·27	42	ENE	3	o	30·42	+·23	39	39	— 6	SE	1	o	#	o	#	45	37	0·05
	Shields	30·24	43	E	3	o	30·42	+·27	43	40	— 1	ESE	3	c	4	2. o. r	#	44	40	0·01
	Spurn Head ...	30·26	43	E	5	o	30·38	+·30	40	37	0	E	5	bc	5	o p	#	44	34	0·07
	York	30·12	43	NE	2	o	30·41	+·30	39	37	— 1	E	1	c	#	o	?	44	31	—
	Loughborough ...	30·14	38	NE	2	o	30·35	+·33	33	31	— 3	ESE	2	b	#	o g. bz. b	#	39	33	—
	Ardrossan ...	30·24	43	ENE	4	b	30·41	+·26	39	39	— 7	N	2	bm	1	b	#	46	33	—
	Malin Head ...	30·20	45	E	5	c	30·34	+·20	44	42	— 3	E	3	o	2	c	#	47	42	—
	Belmullet ...	30·14	46	E	5	o	30·26	+·18	43	41	— 4	ESE	2	b	#	o	#	55	40	—
	Donaghadee ...	30·23	46	ENE	6	c	30·35	+·25	45	45	— 3	ENE	6	c	5	c	#	48	43	—
	Liverpool (Bidston)	30·16	41	ENE	4	o	30·34	+·32	38	35	— 2	E	4	b	?	o	#	42	37	—
	Holyhead ...	30·12	42	E	6	ogm	30·29	+·30	39	37	— 5	E	5	b	4	ogm	#	44	37	—
	Parsonstown ...	30·08	40	N	1	bc	30·22	+·22	42	39	— 2	SE	2	bc	#	bc	1·7	47	39	—
	Valencia ...	30·00	41	ENE	3	o	30·13	+·17	41	37	— 3	ENE	5	b	3	o	0·5	47	36	—
	Roche's Point ...	29·99	41	ESE	6	bc	30·15	+·19	44	41	— 1	ESE	7	c	5	bc	#	47	38	—
	Pembroke (St. Ann's Hd.)	29·98	37	E	5	bc	30·16	+·29	40	38	— 1	ESE	5	bc	3	bc	5·8	41	35	—
	Scilly	29·80	41	ENE	6	c	29·97	+·28	43	40	+ 1	E	6	c	5	c	0·3	45	34	—
	Prawle Point ...	29·89	35	ENE	7	o	30·06	+·35	40	38	+ 6	ENE	7	o	6	o sp	#	49	30	0·08
	Jersey (St. Aubin's)	29·79	36	E	5	bm	30·01	+·35	37	36	+ 3	E	6	cm	5	sp. bm	#	37	32	0·04
	Hurst Castle ...	29·92	37	NE	6	bm	30·16	+·33	39	37	+ 4	ENE	5	cm	4	bm	#	39	34	—
	Dungeness ...	29·95	37	ENE	6	c	30·21	+·30	37	36	+ 6	ENE	6	c	6	c	#	39	29	—
	North Foreland	30·04	38	E	7	c	30·26	+·30	37	35	+ 4	E	7	oq	6	c	#	39	32	—
	London (Seaton)	30·03	36	ENE	3	o	30·28	+·33	36	33	+ 4	E	5	bc	#	o	0·0	39	32	—
	Oxford	30·11	36	E	3	bc	30·28	+·33	35	32	+ 3	NE	3	b	#	bc	#	38	32	—
	Cambridge ...	30·12	34	E	2	b	30·35	+·33	31	30	— 2	ENE	1	b	#	b	0·1	39	30	—
	Yarmouth ...	30·10	39	ENE	6	cq	30·32	+·31	36	33	0	E	6	b	5	cq	#	40	32	—
Germany & Holland.	Cuxhaven ...	30·20	34	NE	2	o	30·35	+·27	30	30	— 2	NNE	2	b	#	sp. o	#	36	25	—
	Berlin	30·12	31	NW	3	c	30·25	+·21	20	19	— 9	NW	3	b	#	c	#	34	16	0·04
	Wiesbaden ...	*	*	*	*	*									#	*	#			
	Munich	29·98	26	W	0	c	30·16	+·25	27	26	+ 3	NE	4	o	#	c	#	28	23	0·04
	The Helder ...	30·19	34	E	2	o	30·20	+·32	29	26	+ 1	ESE	1	b	1	o	#	36	28	—
Belgium.	Brussels ...	*	*	*	*	*	30·28	+·28	26	25	+ 5	ENE	4	b	#	b	#	31	20	—
	Cape Gris Nez ...	29·98	30	E	6	m	30·15	+·25	32	30	+ 8	E	5	m	5	m	#	32	23	—
	Paris	29·88	30	NNE	2	b	30·04	+·22	25	22	0	NNE	2	b	#	b	#	32	24	—
	Brest	29·86	35	NE	1	o	29·88	+·24	39	38	0	ENE	3	r	3	o	#	41	32	0·20
	Lorient	29·87	36	ENE	1	o	29·85	+·27	39	38	+ 3	NE	6	o	3	o	#	39	32	0·16
France &	Rochefort ...	29·92	41	ESE	5	r	29·95	+·28	48	48	+ 12	?	2	o	#	r	#	?	?	0·28
	Belfort	29·96	26	E	4	m	30·11	+·16	23	22	+ 1	E	6	m	#	m	#	35	22	—
	Lyons	29·83	37	NW	1	c	30·01	+·18	34	33	+ 4	NNW	1	m	#	c	#	40	30	—
	Nice	29·84	44	W	0	o	29·86	+·01	43	40	+ 1	E	1	o	2	o	#	46	41	—
	Perpignan ...	29·60	52	S	1	o	29·91	+·31	50	?	+ 1	S	1	o	#	o	#	57	43	—
	Biarritz ...	29·58	50	W	6	r	29·90	+·48	45	38	— 1	SSE	3	c	4	r	#	52	43	0·16
Penin-sula.	Corunna ...	29·63	50	NE	3	bc	29·75	+·24	46	42	+ 8	SE	2	bc	2	bc	#	50	38	0·12
	Lisbon	29·72	54	NE	2	o	29·79	+·22	60	59	+ 5	S	4	o	#	o	#	60	54	0·51
	Azores (P. Delgada)	29·21	51	NW	3	b	29·15	—·12	53	50	— 3	WSW	3	bc	3	b	#	59	48	0·08

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts of* [illegible]

NOTE. *The Sunshine for London given in this Table is recorded at the town of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Scilly 0·7 hrs: Eastbourne 6·0 hrs; Hastings Not Rec'd hrs; Brighton 6·5 hrs.

WEATHER CHARTS

FOR SUNDAY, 29TH NOV.R, 1896.

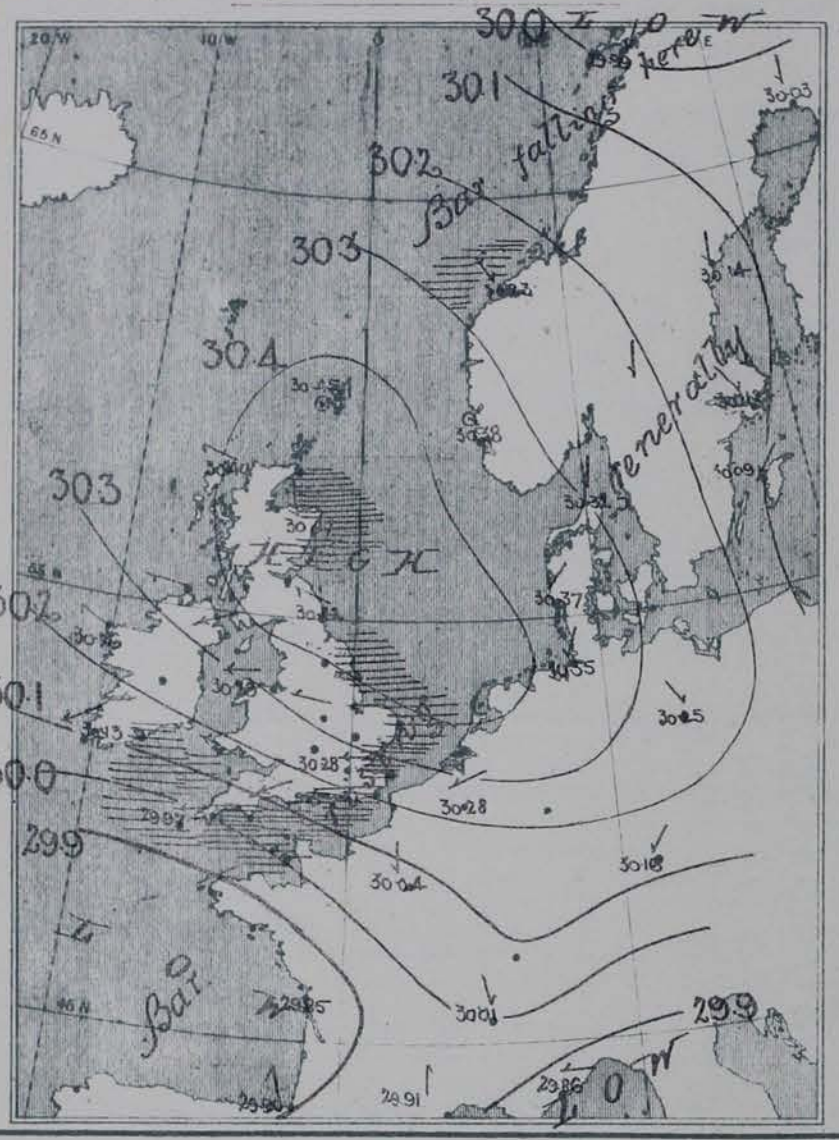
BAROMETER, WIND AND SEA.

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*



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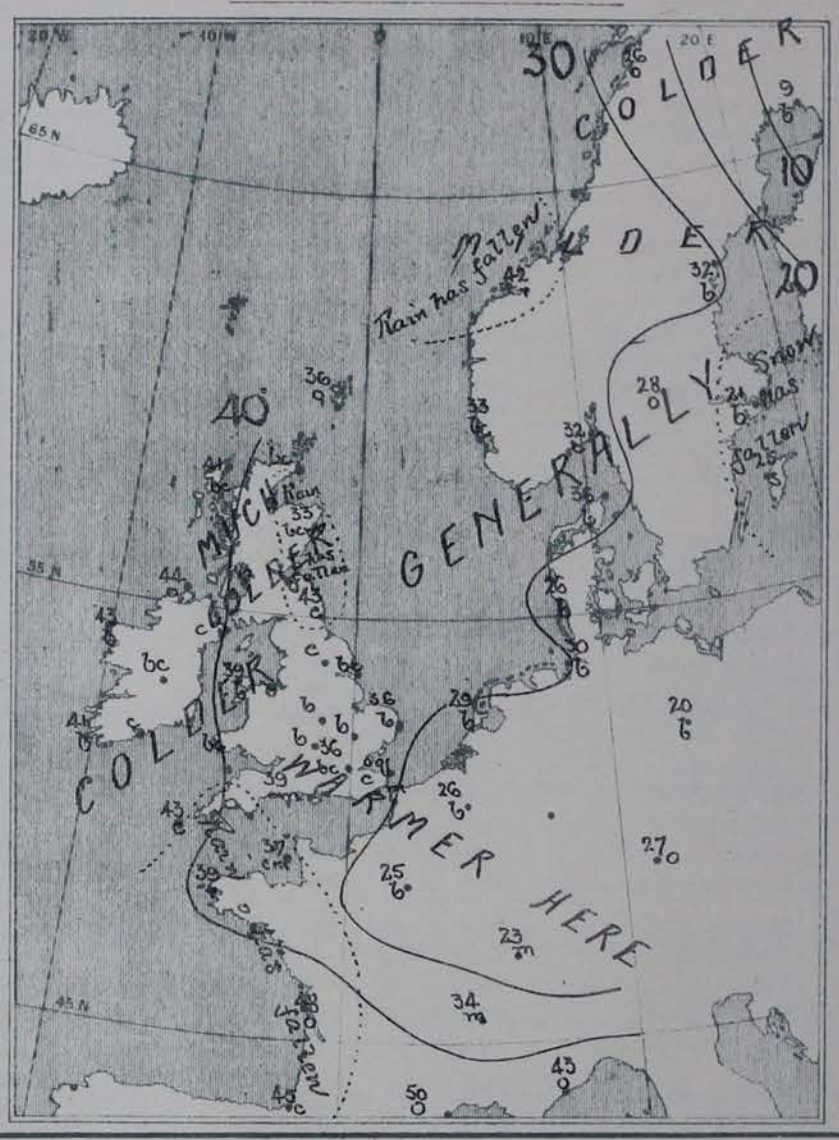

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE
IN THE MONTH OF NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·5	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·6	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

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 in: and more to 30·3 in: in an anticyclone covering the north and east of our Islands, the North Sea and the southwest of Norway.
Lowest, 29·8 in: and less, in a depression off the Portuguese coast, (29·15 in: in the Azores), and below 30·0 in: over the east of Lapland.
Gradients very slight over Scotland and the North Sea, moderate elsewhere – for N. winds over Scandinavia, and for E. to SE. winds over the Bay of Biscay and Spain.
Barometer rising over our Islands and France, falling elsewhere.

TEMPERATURE

Highest, 60° at Lisbon, 50° at Pupiyan; 45° to 41° at most of our western and southwestern stations, 42° at Christiansund.
Lowest, (1) 20° at Berlin, 23° at Belfort, 25° at Paris, 26° at Brussels, 31° at Cambridge; (2) 9° at Haparanda. Air very keen over the S. of England.
The maxima recorded yesterday were 47° on our southwestern coasts and at Wick, but were below 40° over our southern counties; below 35° at Breslau, and as low as 28° at Munich.

WIND

NW. and N. over Scandinavia, NW. at Berlin; nearly calm over the North Sea, E. and strong over our western and southern districts with the north and west of France, S. at Lisbon.
It blew very strongly in London last night.

WEATHER

Weather fine and bright in most places, but dull and rainy in the northwest of Norway.
Some falls of rain or snow have occurred over Scandinavia and in Scotland, as well as in the extreme southwest of England and the west of France.

SEA

Rough or rather so at Aberdeen and on all our Eastern and southern coasts, moderate in the west and extreme north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 30th Nov. 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	
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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·38	39	37	ESE	6	o	4	Valencia	29·93	46	42	NE	5	oq	4
Sumburgh Head	30·43	42	38	NE	4	c	5	Scilly	29·69	42	40	E	7	o	5
Stornoway	30·39	44	43	E	4	o	4	Jersey	29·76	37	35	E	6	bc	5
Aberdeen	30·31	44	41	NE	5	cq	6	Hurst Castle ...	29·91	38	35	NE	6	bm	5
Shields	30·20	43	41	E	3	o	4	Dungeness ...	29·93	38	35	ENE	4	bc	3
Ardrossan	30·16	43	42	ENE	5	bm	2	North Foreland	30·01	37	35	E	6	bc	5
Malin Head ...	30·16	45	44	E	5	c	3	London (Westminster)	30·01	37	33	ENE	3	o	*
Belmullet	30·11	48	46	E	3	o	*	Yarmouth ..	30·06	39	37	E	6	c	5
Holyhead	30·09	41	38	E	5	cm	4	Rochefort ...	29·54	39	39	ESE	4	r	*

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

Weather in morning fair over Northern Europe, the eastern parts of the North Sea, the Netherlands, the southeast of England, and the northeast of France, dull and gloomy elsewhere, with showers of wet snow or cold rain at some of the Channel stations and at others in the west and north, also at Christiansund, Moscow and Buda Pesth. Further falls of snow in several parts of Scandinavia later and in the west of France, and small amounts both in Scotland and the southwest of England.

Temperature fallen over England. Morning readings highest 63° at Algiers, and above 50° over the southern side of the Mediterranean and at Lisbon, and 44° to 47° in the west and northwest of Ireland, 46° at Andrussan, 44° at Stornoway. Lowest 14° to 20° over the northern, and 8° to 20° over the southern part of Russia, and below the freezing point over nearly the whole of Central and Western Europe; 32° in London and at Oxford. Not touching 50° later at any of our own stations excepting Belmullet, nor touching 40° over our southeastern counties.

Wind N., strong to a gale, over Northern Europe, NE. to E., moderate to a gale over the British Isles and France, very light and variable over Central Europe, and S. to W. over Algeria and the south of Spain. No decided change later.

Barometer highest 30·5 in. at Christiansund, and exceeding 30·3 in. over the whole of Norway and the northern parts of the British Islands. Lowest, Below 29·5 in. in two depressions, one over the north of Spain, the other over the north of Russia. Rising over our northern districts later.

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, 30th November, 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 ...	29.93	7	NW	0	b	29.83	-.50	18	17	+ 9	NW	0	0	#	S	#	19	1	0.28
	Hernösand ...	29.96	14	S	6	S	29.74	-.40	33	31	+ 1	NW	0	0	#	S	#	?	12	-
	Stockholm ...	30.07	22	NW	0	0	29.84	-.28	28	27	+ 7	WSW	2	0	#	0	#	28	19	-
	Wisby	30.05	30	N	4	b	29.91	-.18	33	32	+ 8	WSW	4	S	#	b	#	?	21	-
	Karlstad ...	30.06	31	SW	2	0	29.96	-.27	32	32	+ 14	NW	2	c	#	0	#	#	#	-
	Bodö	29.67	37	SSW	6	c	29.62	-.37	33	?	+ 7	NW	7	8	4	c	#	37	23	-
	Christiansund ...	30.17	41	WNW	8	r	30.01	-.22	42	40	0	NNW	8	r	8	r	#	43	39	0.32
	Skudesnaes ...	30.30	41	NNW	6	c	30.19	-.19	41	40	+ 8	NNW	4	c	2	0	#	41	32	#
	Færder (Christiania Fjord)	30.12	36	WNW	2	c	30.02	-.26	35	34	+ 3	W	0	0	0	c	#	36	?	-
	Skagen (The Scaw)	30.14	39	N	1	c	30.03	-.29	39	37	+ 3	W	0	0	0	c	#	39	36	-
	Fanö	30.26	39	WNW	4	b	30.16	-.21	41	40	+ 15	NW	5	r	#	b	#	41	26	-
British Islands.	Sumburgh Head	30.40	41	W	1	0	30.27	-.18	43	43	+ 7	WNW	1	bc	2	0	#	45	34	-
	Stornoway ...	30.42	40	WNW	1	b	30.30	-.10	33	33	- 8	W	2	0	2	b	3.5	50	30	-
	Wick	30.40	34	N	1	b	30.31	-.11	33	32	- 1	W	0	b	0	b	#	45	30	-
	Nairn	30.43	30	W	0	b	30.34	-.09	26	25	- 5	W	0	b	1	b	#	43	25	-
	Aberdeen ...	30.46	33	NNW	1	bmw	30.38	-.09	29	29	- 4	W	1	bm	3	b	3.7	40	29	-
	Leith	30.43	39	SSE	1	b	30.39	-.03	28	28	- 11	W	1	om	#	b	#	48	25	-
	Shields	30.46	41	ESE	2	c	30.40	-.02	30	29	- 13	W	0	b	2	c	#	44	28	-
	Spurn Head ...	30.44	39	ESE	4	bv	30.41	+.03	36	35	- 4	W	1	b	3	bv	#	41	30	-
	York	30.44	36	E	1	b	30.43	+.02	26	26	- 13	NNE	1	b	#	b	3.5	43	24	-
	Loughborough ...	30.44	31	E	1	b	30.42	+.07	20	20	- 13	ESE	1	b	#	b	#	38	20	-
	Ardrossan ...	30.41	39	NE	2	b	30.35	-.06	31	31	- 8	NE	3	bf	2	bm	#	43	27	-
	Malin Head ...	30.34	40	ESE	3	bc	30.22	-.12	34	34	- 10	SSE	4	bm	2	bc	#	46	33	-
	Belmullet ...	30.29	40	E	4	b	30.18	-.08	35	32	- 8	ESE	2	0	#	b	#	50	31	-
	Donaghadee ...	30.38	43	ESE	5	b	30.33	-.02	40	38	- 5	ESE	5	b	4	b	#	46	38	-
	Liverpool (Bidston)	30.41	34	E	3	b	30.37	+.03	30	29	- 8	ESE	3	b	?	bm	#	39	28	-
	Holyhead ...	30.34	37	E	4	b	30.30	+.01	33	31	- 6	SE	1	bm	1	b	#	40	31	-
	Parsonstown ...	30.25	36	W	0	b	30.22	-.01	33	31	- 9	SE	1	b	#	b	6.3	44	31	-
	Valencia ...	30.17	45	ESE	5	oq	30.04	-.09	47	43	+ 6	E	5	oq	4	b.oq	5.1	47	39	-
	Roche's Point ..	30.21	44	ESE	7	c	30.15	.00	44	41	0	ESE	7	c	5	c	#	45	42	-
	Pembroke (St. Ann's Hd.)	30.23	38	E	5	b	30.23	+.07	35	33	- 5	SE	5	bm	3	b	5.1	40	33	-
	Scilly	30.05	47	E	7	c	30.07	+.10	45	42	+ 2	ESE	6	c	5	c	1.7	48	40	-
	Prawle Point ...	30.19	39	ENE	7	o	30.21	+.15	41	39	+ 1	ENE	6	c	5	oq.c	#	41	36	-
	Jersey (St. Aubin's)	30.16	40	E	6	oqm	30.22	+.21	31	30	- 6	E	3	bm	3	oqm	#	40	31	-
	Hurst Castle ...	30.27	37	ENE	5	bm	30.29	+.13	36	34	- 3	ENE	4	bm	3	bm	#	40	34	-
	Dungeness ...	30.30	36	ENE	6	c	30.35	+.14	36	32	- 1	E	4	b	3	b.c	#	39	32	-
	North Foreland	30.36	37	E	6	b	30.40	+.14	35	33	- 2	E	4	b	4	b	#	38	33	-
	London (Brixton) ...	30.36	34	ENE	3	b	30.38	+.10	28	26	- 8	ESE	2	bm	#	bc.bv	3.8	40	28	-
	Oxford	30.40	31	ENE	2	b	30.37	+.09	23	23	- 12	NE	1	b	#	b	#	40	23	-
	Cambridge ...	30.43	30	E	1	b	30.42	+.07	23	22	- 8	ENE	1	bm	#	b	5.6	39	21	-
	Yarmouth ...	30.38	37	E	5	b	30.40	+.08	36	33	0	ESE	2	b	3	b	#	37	30	-
Germany & Holland.	Cuxhaven ...	30.36	30	W	0	b	30.22	-.13	39	39	+ 9	NW	1	or	#	b	#	39	30	0.044
	Berlin	30.31	30	WNW	4	b	30.16	-.09	32	31	+ 12	N	4	0	#	b	#	32	20	.
	Wiesbaden ...	#	#	#	#	#	30.42		20	20		NE	1	0	#	#	#	32	20	-
	Munich	30.34	19	E	2	b	30.35	+.19	12	12	- 15	NE	1	b	#	b	#	27	12	-
	The Helder ...	30.46	31	NE	1	b	30.40	.00	39	37	+ 10	WNW	2	bc	2	b	#	39	28	-
France & Belgium.	Brussels ...	#	#	#	#	#	30.45	+.17	20	19	- 6	NNE	1	b	#	b	#	32	19	-
	Cape Gris Nez ...	30.28	28	E	4	b	30.33	+.18	25	25	- 7	ESE	2	b	2	b	#	34	23	-
	Paris	?	27	NE	2	bc	30.32	+.28	?20	20	- 5	NNE	2	b	#	bc	#	40	20	-
	Brest ...	30.04	40	ENE	3	o	30.07	+.19	37	35	- 2	E	4	b	3	o	#	41	32	-
	Lorient ...	?	41	ENE	6	o	?	?	38	37	- 1	ENE	6	r	6	o	#	41	?	-
	Rochefort ...	29.96	47	SE	3	c	30.03	+.18	36	35	- 12	E	5	b	#	c	#	52	32	-
	Belfort ...	30.20	30	E	7	c	30.35	+.24	20	19	- 3	E	4	b	#	c	#	32	20	-
	Lyons ...	30.16	33	N	1	b	30.32	+.31	25	25	- 9	N	1	c	#	b	#	39	26	-
	Nice	29.92	46	W	0	bc	30.16	+.30	41	38	- 2	W	0	b	3	bc	#	52	41	-
	Perpignan ...	29.98	50	W	0	0	30.17	+.26	45	42	- 5	NE	1	r	#	0	#	62	43	-
	Biarritz ...	29.88	52	E	3	0	29.97	+.07	50	48	+ 5	ESE	3	0	2	0	#	55	45	-
Penin-sula.	Corunna ...																#			
	Lisbon ...	29.87	59	SSE	4	0	29.83	+.04	57	55	- 3	SE	4	0	#	0	#	66	57	0.35
	Azores (P. Delgada)	29.06	57	NE	3	0	29.18	+.03	59	55	+ 6	NNE	5	c	4	0	#	61	53	0.43

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 3.5 hrs; Eastbourne 5.1 hrs; Hastings 5.7 hrs. Brighton 5.0 hrs.

WEATHER CHARTS

FOR Monday 30th November, 1896.

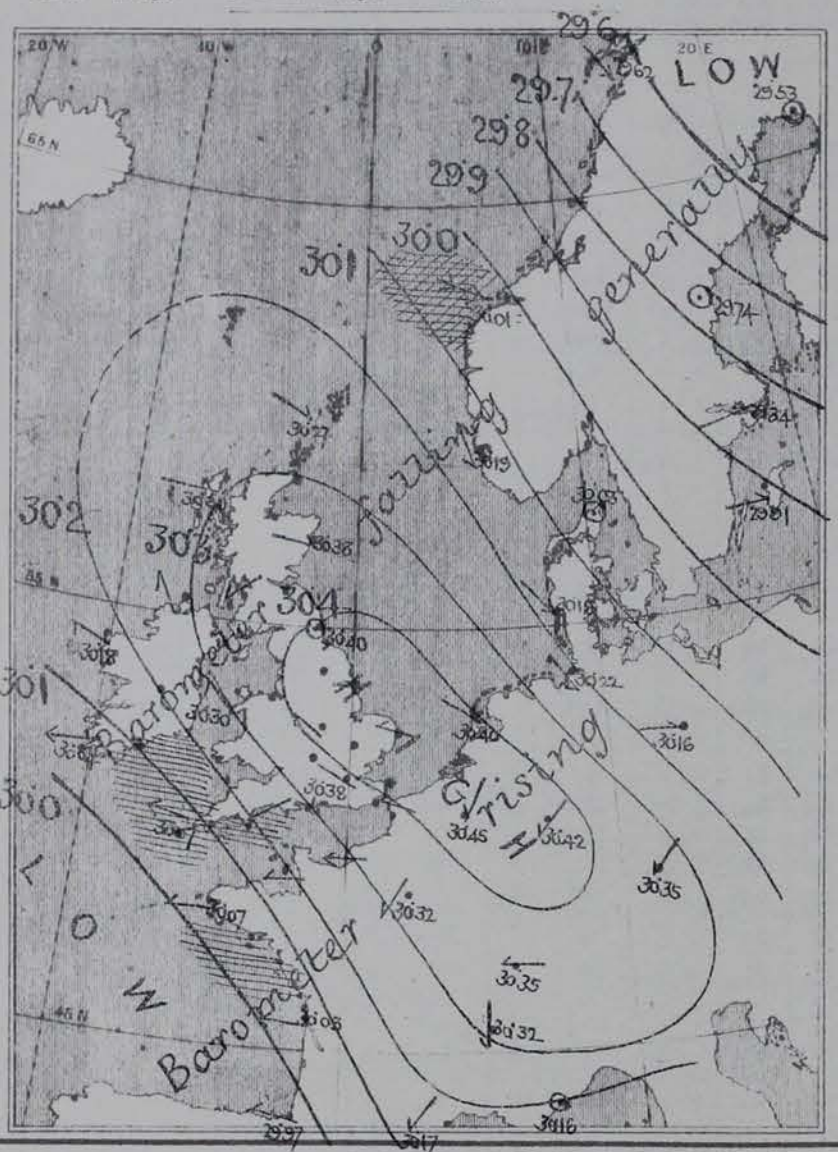
BAROMETER, WIND AND SEA.

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


LOW
Generally
Barometer
Falling
Rising
Rising
Rising

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·4 ins: and more to 30·3 ins: in an anticyclone covering Scotland, the greater part of England, the eastern half of France and Western Germany.
Lowest, (1) Below 30·0 ins: over the Bay of Biscay and off our extreme southwest coasts; (2) Below 29·6 ins: over Lapland and the north of Finland.
Gradients slight within the high pressure area, moderate elsewhere – for E winds in the west and south, for NW winds over Scandinavia.
Barometer rising over France.

TEMPERATURE — Highest (1) 47° at Valencia (Ireland), 45° at Scilly; (2) 43° at Sumburgh Hd, 41° to 42° in the west of Norway.
Lowest, 12° at Munich, 20° at Belfort, Wiesbaden, Paris, and Loughborough, 23° at Oxford and Cambridge, 26° at Nairn.
It has fallen very decidedly over Great Britain during the night.

WIND — (1) NW to W over Scandinavia and Denmark, and blowing a gale on the Norwegian coast.
(2) Nearly calm over Scotland, the North Sea and Holland.
(3) E to SE over the Bay of Biscay and the southwestern parts of our Islands, and blowing strongly at several stations.

WEATHER — Dull and gloomy, with local rain – in the extreme west and southwest, as well as in many parts of Norway, Sweden, Denmark, very fine over Great Britain and France, with haze in places.
Rain and snow have fallen in considerable quantity over the northern parts of Scandinavia, and in small quantity at Cyclaven.
Bright Sunshine recorded yesterday was considerable on our southern and western coasts, slight at Scilly.

SEA — Rough in the southwest, very high at Christiansund, slight to smooth on our northeastern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Cold Easterly winds are still probable in the west and south; very cold weather over Great Britain tonight, with fog inland.

FORECASTS

For the 24 hours ending at NOON on 1st DECr. 1896.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W 24h and NW 24h winds; fair, very cold tonight.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Variable airs; very cold, haze or fog.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as No 2.
5	ENGLAND SOUTH	E 24h winds, light; fine, cold, nearly calm at night, foggy, very sharp frost.
6	SCOTLAND WEST	Same as No 2.
7	ENGLAND N.W.	SE 24h and E 24h winds; cold, fair.
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 ...	30·37	39	37	NNE	2	c	2
Sumburgh Head							
Stornoway	30·41	50	48	W	1	b	1
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·35	43	42	ESE	4	bc	2
Belmullet	30·25	45	42	ESE	4	b	*
Holyhead							
Valencia							
Scilly							
Jersey	30·10	39	37	ENE	6	o	5
Hurst Castle ...							
Dungeness ...	30·26	37	34	ENE	6	b	5
North Foreland	30·33	37	33	E	6	b	5
London (Westminster)							*
Yarmouth ...							
Rochefort ...							*

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 22ND TO THE 28TH NOV. 1896

During this week there has been a considerable change in the distribution of pressure, and consequently in the winds and weather prevalent over our Islands. At the commencement the barometer was uniformly high (30·6 in. to 30·5 ins.) over Germany, France, England, and the Bay of Biscay, but low over Lapland, and rather low over the Mediterranean. SW[3] and W[3] winds were consequently prevalent over the United Kingdom, with rather mild weather — showers in the west and north, and damp fogs over England — while some frost was reported in Germany.

During the next day or two the SW[3] wind decreased in force, and an E[3] breeze set in over France, and spread slowly across the Channel to the southern parts of England, bringing with it colder, but finer weather.

After Wednesday the anticyclone moved much further to the northward. The E[3] wind spread gradually to the northward, and increased in force to a very strong squally breeze, and both on Thursday and Friday the frost was very keen at the Continental stations.

At the end of the week strong NE[3] and E[3] breezes were prevalent at our own stations, and this air was becoming very dry and searching.

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 ,,

I. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	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.
2	Corunna	29.84	50	N	1	0	29.84	-.03	45	42	+3	SW	1	bc	3	0	c	55	42	0.39
3	Corunna	29.86	52	S	1	b	29.83	-.01	43	-	-2	N	1	b	4	b	-	?	?	-
4	Corunna	29.84	54	NNE	1	bc	29.94	+.11	53	49	+10	NE	3	o	2	bc	-	57	43	-
5	Corunna	29.96	55	NE	3	o	30.09	+.15	50	47	-3	NE	2	b	2	o	-	55	46	-
6	The Helder	30.60	40	E	1	b	30.45	-.14	35	33	-1	E	1	b	1	b	-	43	35	-
"	Nice	30.21	53	E	4	bc	30.13	-.04	50	49	-1	NE	?	r	4	bc	-	63	46	0.28
"	Corunna	30.10	58	NE	3	o	30.13	+.04	49	45	-1	NE	2	b	1	o	-	58	45	-
7	Corunna	30.12	56	NE	3	o	30.17	+.04	54	51	+5	N	4	o	3	o	-	57	48	-
8	The Helder	29.72	46	NNW	2	o	29.56	-.33	42	-	-3	ENE	3	r	1	o	-	46	41	0.32
9	Corunna	30.12	54	N	6	o	30.27	-	50	46	-	NE	2	b	4	o	-	55	45	0.08
10	The Helder	30.32	43	N	2	b	30.35	+.22	45	-	+3	NNW	2	c	1	b	-	46	41	-
"	Cape Gris Nez	30.33	42	E	5	r	30.36	+.39	43	-	-1	NNW	1	m	1	r	-	46	39	0.044
"	Rochefort	30.15	46	NNE	6	o	30.36	+.39	39	-	-6	NE	5	o	-	o	-	48	37	-
"	Corunna	30.31	53	NE	3	b	30.39	+.12	45	42	-5	NE	2	o	3	b	-	54	41	-
11	Corunna	30.24	56	NE	3	b	30.34	-.05	43	40	-2	E	1	b	2	b	-	57	41	-
12	Corunna	30.26	58	SE	2	b	30.04	-.30	55	52	+12	SSW	4	b	2	b	-	59	43	-
"	Lisbon	30.29	51	WNW	3	c	30.25	-.10	52	50	+9	WSW	2	o	-	o	-	57	43	-
13	Corunna	29.99	58	W	4	bc	30.12	+.08	55	54	0	SW	2	f	3	bc	-	61	50	0.12
14	Corunna	30.12	61	W	2	o	30.19	+.07	?	?	?	W	?	?	6	o	-	63	50	0.20
16	Cape Gris Nez	29.53	45	WNW	3	o	29.76	+.40	39	-	-5	E	2	m	2	o	-	48	34	0.12
"	Corunna	30.12	52	NW	6	o	30.16	+.08	53	50	-1	NW	7	o	8	o	-	55	45	0.08
17	Corunna	30.15	54	NW	7	bc	30.10	-.06	51	49	-2	N	4	o	?	bc	-	?	?	-
18	Nice	29.60	43	ENE	1	r	29.75	+.25	44	-	0	E	0	o	2	r	-	46	43	0.12
"	Corunna	30.12	52	N	3	b	30.20	+.10	45	43	-6	NNE	1	f	3	b	-	57	43	-
19	Corunna	30.23	56	S	1	o	30.30	+.10	53	51	+8	NW	2	o	5	o	-	57	45	-
21	Corunna	30.47	57	S	1	bc	30.54	-	52	50	-	NE	1	b	6	bc	-	57	45	-
23	Corunna	30.40	58	NE	3	b	30.41	-.04	51	47	0	NE	3	b	4	b	-	59	46	-
24	Corunna	30.38	55	NE	4	b	30.39	-.02	49	45	-2	SW	1	b	3	b	-	55	45	-
25	Corunna	30.32	53	NE	4	b	30.28	-.11	44	41	-5	W	1	b	3	b	-	54	39	-
26	Corunna	30.18	52	NE	5	b	30.09	-.25	43	41	-1	NE	3	o	2	b	-	52	41	-
27	Corunna	29.91	44	NE	2	b	29.70	-.33	37	36	-6	NE	1	b	2	b	-	52	32	-
28	Corunna	29.58	48	NE	1	b	29.51	-.19	38	36	+1	NE	1	b	2	b	-	50	30	-
30	Corunna	29.80	58	SE	3	o	29.79	+.04	58	55	+12	SSE	3	o	2	o	-	63	46	0.04

REPORTS FOR NOVEMBER 1896

2. CORRECTIONS.

DATE.	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.
1	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
-	North Foreland	-	-	-	-	-	29.79	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
4	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-
5	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-
6	North Foreland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-
7	Prawle Point	-	-	-	-	-	-	-	-	95	-	-	-	-	-	-	-	-	33	-
8	Pembroke	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	North Foreland	-	-	-	-	-	29.47	-	-	-	-	-	-	-	-	-	-	-	32	-
10	Haparanda	29.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Wick	30.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Stornoway Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-
"	Leith	-	-	-	-	-	30.15	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-
12	Parsonstown	-	-	-	-	-	29.92	-.23	-	-	-	-	-	-	-	-	-	-	-	-
14	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
15	Shields	-	-	-	-	-	29.16	-.50	-	-	-	-	-	-	-	-	-	-	-	-
"	Hurst Castle	29.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31
16	Loughborough	-	-	-	-	-	29.82	-.51	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	-	-	-	-	-	30.02	-	-	-	-	-	-	-	-	-	-	-	-	-
17	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	-	-	-
18	Belmullet	-	-	-	-	-	-	-	-	-	-	NNW	-	-	-	-	-	-	-	-
19	Belmullet	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-
"	Parsonstown	-	-	-	-	-	29.98	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-
20	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
22	Belmullet	-	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-	-	-
23	Malin Head	-	-	-	-	-	-	-	48	-	-2	-	-	-	-	-	-	-	-	-
"	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-
-	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain
24	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05
26	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-
30	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-