METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1897.

DAILY WEATHER REPORT.

July to December 1897.

DAILY WEATHER REPORT

for 8 a.m. on Friday 1st October, 1897.

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 ...	30·23	29	L	0	b	30·14	−·11	?	?	?	L	0	bc	*	b	*	45	27	—
	Hernösand ...	30·21	41	L	0	0	29·95	−·34	43	42	+ 6	S	6	r	*	0	*	50	37	0·28
	Stockholm ...	30·23	46	L	0	0	30·01	−·26	45	44	+ 6	SE	4	r	*	0	*	52	36	0·08
	Wisby	30·26	44	SE	4	b	30·02	−·23	49	46	+ 3	S	4	0	*	b	*	54	39	—
	Karlstad ...	30·14	48	ESE	4	0	29·84	−·40	48	47	+ 7	SSE	4	r	*	0	*	*	*	0·20
	Bodö	30·04	44	E	2	b	29·88	−·35	45	42	+ 5	E	4	0	1	b	*	48	34	—
	Christiansund ...	29·89	47	ESE	2	r	29·77	−·27	45	?	+ 2	NNE	4	r	3	r	*	50	43	0·90
	Skudesnaes ...	29·88	54	E	2	0	29·81	−·15	54	53	+ 2	WNW	4	0	3	0	*	55	48	*
	Færder (Christiania Fjord)	30·08	51	E	3	0	29·78	−·39	55	54	+ 5	SW	4	0	3	0	*	55	50	0·08
	Skagen (The Scaw)	30·02	54	S	5	0	29·85	−·27	55	54	+ 1	SW	3	r	1	0	*	55	54	—
	Fanö	29·88	56	ESE	6	0	29·86	−·09	56	56	+ 2	ESE	2	f	*	0	*	61	54	—
British Isles.	Sumburgh Head	29·79	52	W	2	0	29·95	+·27	49	47	− 4	NNW	2	bc	4	0	*	54	46	—
	Stornoway ...	29·86	53	N	3	0	30·02	+·28	47	47	− 6	NNW	3	0	3	0	0·0	55	45	—
	Wick	29·77	56	NW	3	0	30·02	+·30	51	50	− 3	NW	3	0	1	0	*	59	47	0·02
	Nairn	29·82	57	L	0	bc	30·01	+·30	52	52	0	L	0	0	1	bc	*	63	49	0·03
	Aberdeen ...	29·83	61	S	1	bcum	30·01	+·28	51	50	0	NW	2	c	1	b,bcum,r	6·5	60	48	0·02
	Leith	29·81	55	L	0	bc	30·01	+·28	47	46	− 3	W	2	cm	*	bc	*	63	41	—
	Shields	29·83	53	NNE	2	cm	30·02	+·29	52	50	+ 5	WNW	2	bm	2	bc, cm	*	57	44	—
	Spurn Head ...	29·78	54	N	4	c	29·95	+·22	53	53	+ 2	N	4	0	3	c,f	*	58	51	0·01
	York	29·80	55	N	1	b	29·99	+·26	50	49	+ 8	NNW	1	bc	*	b	5·1	61	41	—
	Loughborough ...	29·80	51	L	0	b	30·00	+·24	49	49	+ 5	WNW	1	ogmd	*	c,bc,cm	*	64	43	—
	Ardrossan ...	29·82	54	L	0	b	30·01	+·34	49	49	− 3	L	0	cm	0	bc, b	*	59	42	—
	Malin Head ...	29·87	54	NNW	4	c2p	30·05	+·27	52	50	− 1	NNE	3	cg	2	c2p	*	54	50	0·02
	Belmullet ...	29·99	54	NNW	2	0	30·11	+·23	53	50	0	N	1	0	*	0	*	57	50	0·01
	Donaghadee ...	29·87	54	NW	4	bc	30·04	+·28	52	51	+ 4	WNW	3	c	1	bc	*	60	45	—
	Liverpool (Bidston)	29·88	53	NNW	2	c	30·01	+·28	53	51	+ 4	L	0	b	1	f.g.c	*	56	48	—
	Holyhead ...	29·85	55	N	3	c	30·04	+·32	54	52	+ 2	N	2	c	1	bp,c	*	57	51	0·01
	Parsonstown ...	29·92	54	NW	1	b	30·10	+·31	52	51	0	L	0	0	*	b	6·6	59	49	—
	Valencia ...	29·98	56	N	3	b	30·13	+·34	53	52	− 2	L	0	cm	2	bcg,b	6·9	59	49	0·07
	Roche's Point ...	29·84	58	N	4	b	30·11	+·32	54	52	− 1	NNW	3	b	3	b	*	62	48	—
	Pembroke (St. Ann's Hd.)	29·83	54	ENE	3	b	30·03	+·31	55	53	+ 1	NE	3	b	3	b	7·8	58	52	—
	Scilly	29·78	56	N	5	c	30·02	+·26	57	54	+ 2	NNE	4	bc	3	cp,c	6·2	57	53	0·09
	Prawle Point ...	29·76	51	NNW	2	b	30·00	+·24	53	51	− 2	ENE	3	bc	2	b	*	63	48	—
	Jersey (St. Aubin's)	29·73	57	W	2	cg	29·94	+·14	57	55	− 1	NNE	3	cp	3	rg,cgp	*	63	53	0·28
	Hurst Castle ...	29·75	? 54	L	0	cp	29·96	+·19	53	51	− 1	NE	3	cm	2	bc,c	*	64	50	0·02
	Dungeness ...	29·75	57	ENE	1	0	29·93	+·16	56	55	+ 1	NE	2	c	1	0	*	58	54	0·02
	North Foreland	29·78	56	NNE	1	r	29·94	+·19	57	54	0	N	2	b	2	c,r,L	*	59	54	0·02
	London (Brixton) ...	29·76	55	NNW	2	bc	29·97	+·19	51	50	0	NE	1	cg	*	cmg,b	0·0	59	50	—
	Oxford	29·82	49	N	1	b	29·99	+·23	50	49	+ 1	N	2	0	*	cf,b	*	60	46	—
	Cambridge ...	29·79	55	NW	1	0	29·98	+·22	52	52	+ 1	NW	1	ogmc	*	c,0	3·3	61	48	—
	Yarmouth ...	29·76	56	NNE	3	bc	29·91	+·19	55	53	0	NW	2	b	3	bc	*	62	50	0·07
Germany & Holland.	Cuxhaven ...	29·83	61	SE	3	c	29·86	−·06	55	55	+ 2	L	0	f	*	c	*	63	53	—
	Berlin	29·96	60	ESE	4	0	29·92	−·09	53	51	0	ESE	3	b	*	b	*	66	52	—
	Wiesbaden ...	*	*	*	*	*	29·88	−·05	53	53	− 4	SE	2	r	*	*	*	66	52	—
	Munich	29·94	57	SE	2	b	29·90	−·15	51	50	− 2	L	0	b	*	b	*	72	46	—
	The Helder ...	29·78	59	SE	1	b	29·87	+·10	59	59	+ 1	ENE	1	f	1	b	*	64	58	—
Belgium.	Brussels ...	*	*	*	*	*	29·92	+·12	53	53	− 8	ESE	1	f	*	0	*	69	50	0·16
	Cape Gris Nez ...	29·76	55	SE	1	0	29·87	+·12	52	51	− 5	SE	1	bc	1	0	*	59	50	0·12
	Paris	29·78	55	ESE	2	0	29·89	+·06	52	52	− 8	N	1	0	*	0	*	70	50	0·39
	Brest	29·76	54	NW	2	c	29·95	+·13	53	50	− 3	NE	2	c	3	c	*	61	48	0·08
	Lorient	29·77	54	W	4	c	29·90	+·04	51	51	− 5	N	3	c	3	c	*	64	48	0·12
France &	Rochefort ...	29·80	59	NW	3	0	29·79	−·10	54	51	− 8	E	3	c	*	0	*	66	50	1·70
	Belfort	29·82	64	W	3	0	29·83	−·12	54	53	− 3	W	2	0	*	0	*	75	52	0·24
	Lyons	29·84	64	S	3	r	29·86	−·12	54	54	− 3	W	1	r	*	r,fl	*	70	53	0·98
	Nice	29·99	62	L	0	c	29·89	−·19	60	57	0	ENE	5	r	3	c	*	72	55	0·04
	Perpignan ...	29·87	64	E	2	b	29·82	−·21	53	52	− 8	W	2	r	*	b	*	67	53	0·32
	Biarritz ...	29·90	60	WSW	5	r	29·82	−·09	57	55	− 7	SW	5	r	5	r,fl	*	73	52	1·50
Peninsula.	Corunna ...																*			
	Lisbon	30·13	62	WSW	4	b	30·20	+·10	61	57	− 5	N	4	bc	*	b	*	73	59	—
	Azores (P. Delgada)	30·32	66	ENE	3	c	30·30	·00	64	58	0	NE	3	0	2	c	*	70	64	—

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

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

Bright Sunshine yesterday Southport 4·2 hrs;

WEATHER CHARTS

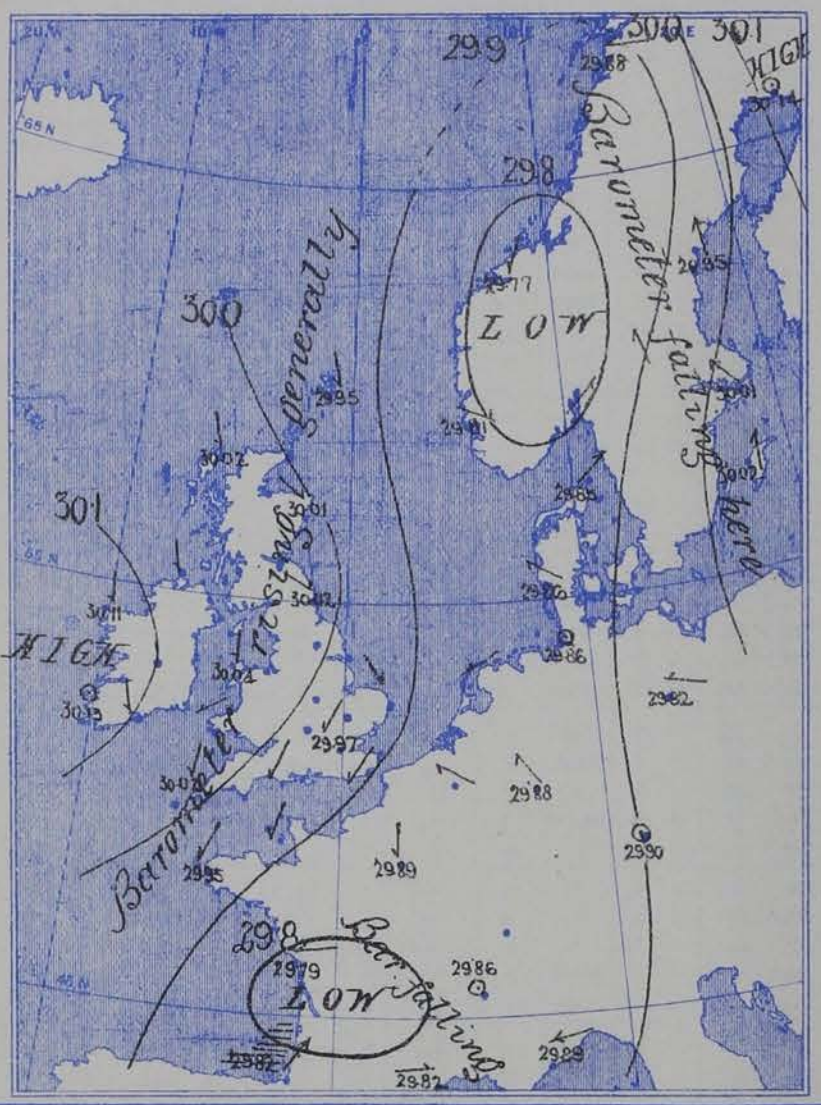
FOR FRIDAY, 1ST OCTOBER, 1897.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

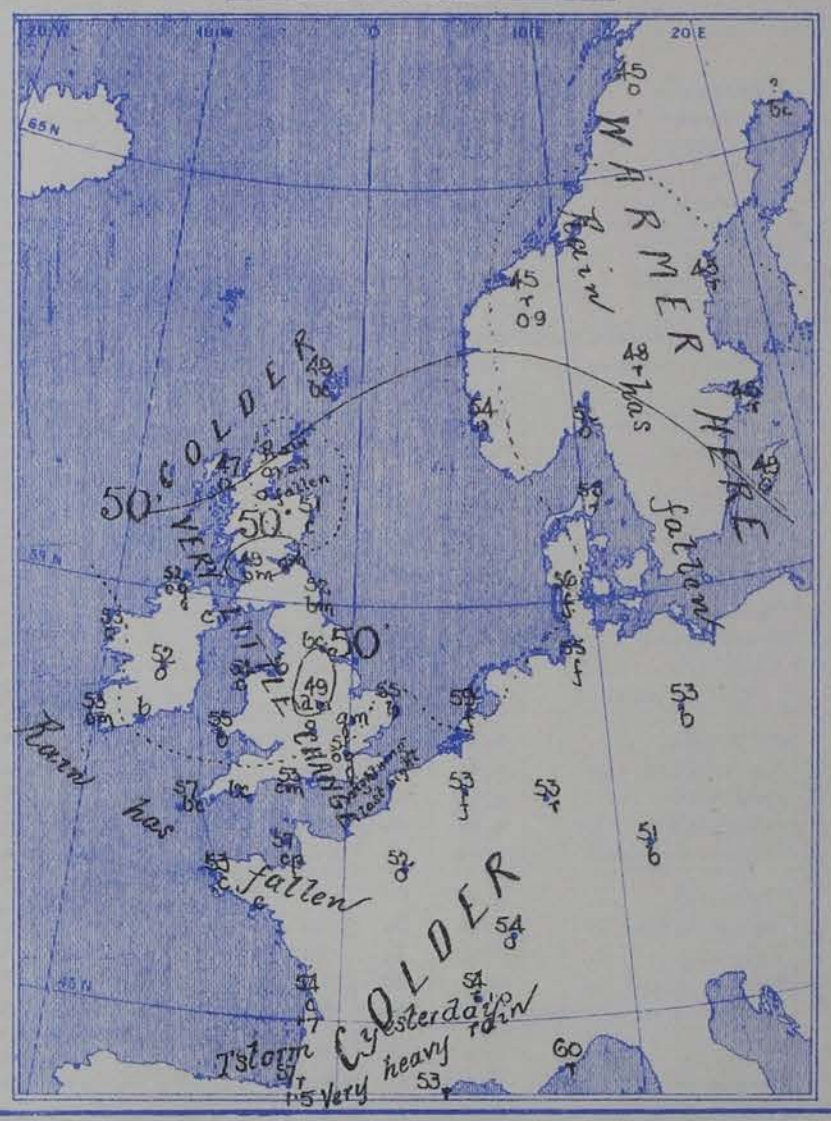
Force above 10 ⇉ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ↠ ; *Force 1 to 4* → ; } Calm ⊙

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	58 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30·1 ins. and more over the W. of Ireland and the adjacent parts of the Atlantic. Lowest below 29·8 ins. both in the SW. of France and over the S^m. Paly of Norway. Gradients slight over our Islands. Barometer rising over these Islands generally.

TEMPERATURE — Highest 60° at Nice, 57° at Biarritz and at Sailly. Lowest 43° to 45° over the N^m. half of Scandinavia; 47° at Stornoway, 49° at Loughborough, 50° at York and Oxford. Maxima recorded yesterday as high as 63° to 64° at our most S^m. stations, and 62° to 64° over our Midland counties. At Berlin the maximum was 66°, at Paris 70°, at Nice 72°, and at Belfort 75°.

WIND — N^ly (NW to NE) over our Islands, and was light to moderate in force. Over Scandinavia, however, there was a cyclonic circulation of moderate to fresh breezes.

WEATHER — Fair over our Islands generally — dull in some places, clear and bright in others. A few showers fell in some parts of our Islands yesterday, most in the S., and there was a very general fall over France. In the SW^m. parts of the latter country the fall has been heavy — viz an inch at Lyons, 1·5 ins. at Biarritz, 1·7 ins. at Rochefort. Lightning seen at the N. Foreland last night. Bright Sunshine recorded yesterday was 6 hrs. to nearly 8 hrs. over the greater part of Ireland and Scotland, 3·3 hrs. at Cambridge, more in London.

SEA — very little disturbed

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

N^ly breezes of little strength are probable, with fair, dry weather, and in some places Haze. The night is likely to be cold inland.

FORECASTS

For the 24 hours ending at NOON on 2^nd Oct. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^ly breezes, light; fair as a whole.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N^ly to NE^ly winds, light; fair, dry, cold tonight.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as N^os. 0 and 1.
7	ENGLAND N.W.	N^ly or NE^ly breezes, light; fair but cloudy, haze or fog at times.
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 ...	29.92	55	53	ESE	6	r	4
Sumburgh Head	29.72	53	53	WSW	1	o	5
Stornoway	29.81	54	54	N	3	o	3
Aberdeen	29.79	57	54	ESE	2	b	3
Shields	29.77	56	52	NE	1	bc	2
Ardrossan	29.76	57	55	2	0	bc	0
Malin Head ...	29.83	53	53	NNW	5	r	3
Belmullet	29.98	55	52	N	3	op	*
Holyhead	29.79	56	53	NNE	2	bp	1
Valencia	29.94	59	54	NNW	6	bcq	5
Scilly	29.75	56	53	NNW	5	cp	3
Jersey	29.75	61	56	SW	3	bc	3
Hurst Castle ...	29.74	64	58	WSW	1	bc	1
Dungeness ...	29.76	58	55	ESE	1	a	1
North Foreland	29.77	59	54	W	1	c	1
London (Westminster)	29.76	58	54	2	0	agm	*
Yarmouth ...	29.74	57	55	NNE	3	bc	3
Rochefort ...	29.82	59	55	N	3	c	*

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

Weather in morning fine and bright over Lapland, Sweden, Finland and some parts of Germany, and at a few stations over the N.W. and W. parts of our Islands; cloudy or overcast elsewhere, with rain at some of our own stations and at Skudesnaes, and fog over many parts of central Europe. Some rain falling later in several parts of the United Kingdom, and larger quantities over the Continent – especially over the S.W. parts of France, where the falls ranged from 1.0 ins. to 1.7 ins., and thunderstorms occurred in places. Lightning reported at the N. Foreland.

Temperature fallen decidedly over the British Islands, and many parts of N.W. Europe. Morning readings highest 73° at Algiers and Barcelona, and exceeding 60° on the coasts of S.W. Europe generally, 58° at Jersey, 55° at Dungeness, Scilly and Valencia. Lowest (1) 33° at Ulealeorg, and below 40° over the N. of Russia generally, and on the Swedish coast; 40° at Kieff, 41° at Kharkov, 42° at Odessa (2) 42° at York, 44° at Loughborough, 47° at Shields. Rising later to between 60° and 64° over many parts of England, and the S.E. of Ireland, and touching 66° at Berlin, 70° at Paris and Lyons, 72° at Nice and 75° at Belfort.

Wind – (1) very variable. Light to moderate and anticyclonic over Scandinavia and the Baltic, as well as over central and S.E. Europe (2) S.E. and strong on the E. shores of the North Sea (3) N. and fresh at the Irish stations, but extremely light and variable over Gt. Britain. Becoming N. over our Islands generally during the day.

Barometer highest 30.2 ins. and more to 30.1 ins. in an elongated anticyclone covering Sweden, the Gulf of Bothnia and the Baltic, and exceeding 30.0 ins. in two other systems – one over the S. of Russia, and the other over the S.W. of Spain and adjacent parts of the Atlantic. Lowest below 29.5 ins. over the N.E. of Russia; below 29.65 at Sumburgh Hd., and ranging between 29.7 ins. and 29.8 ins. over the whole of Gt. Britain and the E. of Ireland. Rising generally over the United Kingdom later – most in the west.

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 2nd October, 1897.

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 ...	30·01	36	N	4	o	30·04	−·10	34	31	?	NNE	4	bc	8	o	⊕	39	25	—
	Hernösand ...	29·74	43	S	8	r	29·99	+·04	39	37	− 4	NNW	6	b	⊕	r	⊕	46	39	1·14
	Stockholm ...	29·61	50	SE	4	o	29·75	−·26	42	41	− 3	N	6	o	⊕	o	⊕	50	42	0·91
	Wisby	29·68	54	SSW	4	o	29·70	−·32	47	45	− 2	N	8	o	⊕	o	⊕	59	41	0·20
	Karlstad ...	29·76	45	NW	2	bc	29·91	+·07	42	39	− 6	NNW	2	bc	⊕	r,bc	⊕	⊕	⊕	0·28
	Bodö	30·04	41	E	2	b	30·12	+·24	40	39	− 5	E	2	b	1	b	⊕	46	36	—
	Christiansund ...	30·03	46	NE	3	r	30·12	+·35	46	44	+ 1	NE	4	c	3	r	⊕	48	45	0·35
	Skudesnaes ...	29·86	52	N	2	c	30·02	+·21	43	42	− 11	NNE	2	b	2	o,c	⊕	54	43	⊕
	Færder (Christiania Fjord)	29·87	51	N	4	b	29·97	+·19	49	43	− 6	N	6	b	2	b	⊕	57	46	—
	Skagen (The Scaw)	29·78	51	E	3	bc	29·93	+·08	51	45	− 4	NNE	4	bc	1	bc	⊕	59	48	0·04
	Fanö	29·91	53	NW	4	o	29·95	+·09	48	46	− 8	NNE	4	b	⊕	o	⊕	61	48	—
	Sumburgh Head	30·07	49	N	1	c	30·11	+·16	48	45	− 1	ENE	1	c	4	c	⊕	52	40	—
	Stornoway ...	30·09	49	SSE	2	o	30·01	−·01	51	51	+ 4	S	4	r	4	o	0·0	51	40	0·01
	Wick	30·12	52	E	1	c	30·10	+·08	51	50	0	SW	2	o	2	c	⊕	54	36	0·05
	Nairn	30·16	52	L	0	c	30·09	+·08	45	43	− 7	L	0	m	1	c	⊕	59	37	—
	Aberdeen ...	30·13	50	N	2	c	30·13	+·12	49	48	− 2	SSW	2	ogmw	1	og,c	0·5	55	38	—
British Isles.	Leith	30·10	54	L	0	o	30·13	+·12	50	49	+ 3	W	1	m	⊕	o	⊕	59	45	—
	Shields	30·12	54	NE	1	om	30·16	+·14	52	51	0	NE	1	o	2	o	⊕	57	50	—
	Spurn Head ...	30·15	57	N	3	c	30·16	+·21	56	55	+ 3	N	1	cm	3	c	⊕	57	52	—
	York	30·10	56	NNE	1	b	30·17	+·18	49	48	− 1	W	1	o	⊕	b	2·4	62	46	—
	Loughborough ...	30·12	54	L	o	o	30·21	+·21	44	44	− 5	L	o	omw	⊕	cm,omf	⊕	60	39	—
	Ardrossan ...	30·08	55	W	1	o	30·10	+·09	54	53	+ 5	S	2	o	1	o	⊕	57	48	—
	Malin Head ...	30·11	53	WNW	1	o	30·06	+·01	52	51	o	S	1	r	1	o	⊕	54	50	0·01
	Belmullet ...	30·15	56	WSW	1	c	30·09	−·02	57	57	+ 4	WSW	1	o	⊕	c	⊕	59	53	0·02
	Donaghadee ...	30·15	53	WNW	2	ov	30·14	+·10	52	51	o	SW	3	c	1	ov	⊕	55	49	0·01
	Liverpool (Bidston)	30·15	52	WNW	2	b	30·20	+·19	52	51	− 1	W	1	o	1	b	⊕	58	51	0·01
	Holyhead ...	30·14	54	NW	2	o	30·19	+·15	54	52	o	L	o	cf	o	bc,o	⊕	58	51	—
	Parsonstown ...	30·16	55	L	o	o	30·13	+·03	51	50	− 1	SE	2	or	⊕	o	0·0	57	49	0·07
	Valencia ...	30·20	54	L	o	c	30·17	+·04	58	57	+ 5	SSE	3	ocmd	2	bcm,c	4·0	59	51	0·34
	Roche's Point ..	30·17	57	WSW	2	b	30·20	+·09	57	57	+ 3	SSW	3	rm	3	b	⊕	60	50	0·02
	Pembroke (St. Ann's Hd.)	30·14	55	NE	2	b	30·22	+·19	56	52	+ 1	L	o	bc	1	b	10·0	59	50	—
	Scilly	30·17	56	N	3	bcw	30·24	+·22	55	53	− 2	NNW	1	bcr	2	bc,w	10·2	59	52	—
	Prawle Point ...	30·14	55	NNW	2	c	30·24	+·24	54	50	+ 1	N	3	bc	2	c	⊕	65	47	—
	Jersey (St. Aubin's)	30·09	58	NNW	4	bm	30·21	+·27	57	56	o	NW	2	om	2	bc,bfw	⊕	62	53	—
	Hurst Castle ...	30·09	57	NNW	1	bm	30·21	+·25	53	51	o	NE	1	bcm	1	bm	⊕	63	49	—
	Dungeness ...	30·04	58	NNW	2	b	30·18	+·25	53	52	− 3	NNW	2	b	1	bc,b	⊕	61	49	—
	North Foreland	30·07	58	WNW	3	o	30·18	+·24	56	51	− 1	NW	3	bc	2	bc,o	⊕	60	53	—
	London (Brixton) ...	30·11	58	N	2	o	30·21	+·24	50	49	− 1	WSW	2	o	⊕	c,o	0·4	60	47	—
	Oxford	30·14	53	N	1	bc	30·22	+·23	50	49	o	WSW	1	cf	⊕	c,bc	⊕	62	43	—
	Cambridge ...	30·11	55	N	2	c	30·21	+·23	49	49	− 3	NW	1	omw	⊕	o,c	0·1	59	47	0·01
	Yarmouth ...	30·04	57	N	4	c	30·15	+·24	51	49	− 4	NW	2	bm	3	bc,c	⊕	59	46	—
Germany & Holland.	Cuxhaven ...	29·91	55	N	2	o	29·94	+·08	54	53	− 1	NNW	4	o	⊕	m,o	⊕	59	52	—
	Berlin	29·86	65	L	o	b	29·91	−·01	55	53	+ 2	WNW	3	o	⊕	b	⊕	72	53	—
	Wiesbaden ...	⊕	⊕	⊕	⊕	⊕	29·99	+·11	61	58	+ 8	N	1	b	⊕	⊕	⊕	73	53	—
	Munich... ..	29·93	56	NE	2	b	29·99	+·09	53	53	+ 2	L	o	f	⊕	b	⊕	70	50	—
	The Helder ...	29·99	59	NNW	2	bc	30·08	+·21	55	50	− 4	N	2	o	2	bc	⊕	63	54	—
Belgium.	Brussels ...	⊕	⊕	⊕	⊕	⊕	30·12	+·20	55	52	+ 2	NNE	2	o	⊕	o	⊕	65	52	0·04
	Cape Gris Nez ...	30·03	57	NE	2	bc	30·10	+·23	55	53	+ 3	NE	4	c	3	bc	⊕	61	50	—
	Paris	30·01	60	SW	2	bc	30·10	+·21	57	56	+ 5	NNW	3	m	⊕	bc	⊕	65	52	—
	Brest	30·13	57	NE	2	c	30·24	+·29	53	51	o	N	1	b	1	c	⊕	63	48	—
	Lorient... ...	30·09	60	N	4	o	30·23	+·33	54	54	+ 3	N	3	m	3	o	⊕	64	48	—
France &	Rochefort ...	30·00	57	NNE	4	bc	30·11	+·32	55	54	+ 1	N	5	bc	⊕	bc	⊕	66	52	—
	Belfort	29·84	61	L	o	m	29·93	+·10	54	53	o	N	2	f	⊕	m	⊕	68	50	0·39
	Lyons	29·89	57	W	1	o	29·91	+·05	59	59	+ 5	N	2	r	⊕	o	⊕	59	54	0·08
	Nice	29·86	52	NE	6	c	29·83	−·06	60	57	o	ENE	5	o	5	c	⊕	66	50	—
	Perpignan ...	29·83	55	W	3	r	29·89	+·07	55	55	+ 2	N	2	r	⊕	r	⊕	61	51	0·95
	Biarritz ...	29·97	60	NNW	5	r	30·06	+·24	64	59	+ 7	N	5	r	4	r	⊕	64	54	0·91
Penin-sula.	Corunna ...																⊕			
	Lisbon	30·21	60	N	5	b	30·28	+·08	61	53	o	NNW	2	b	⊕	b	⊕	68	55	—
	Azores (P. Delgada)	30·31	66	ENE	3	c	30·29	−·01	66	61	+ 2	NE	3	c	3	c	⊕	72	64	—

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

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

Bright Sunshine yesterday Southport 9·1 hrs;

WEATHER CHARTS

FOR SATURDAY, 2nd OCTOBER, 1897.

BAROMETER, WIND AND SEA.

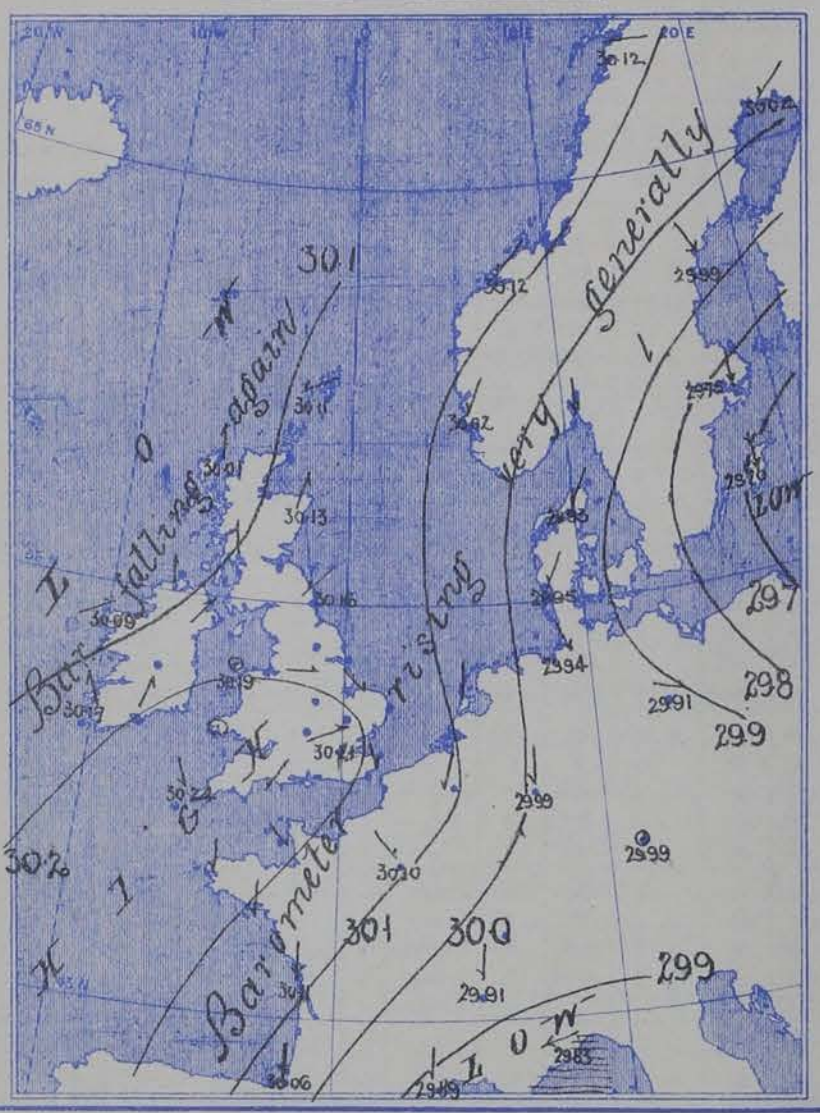
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

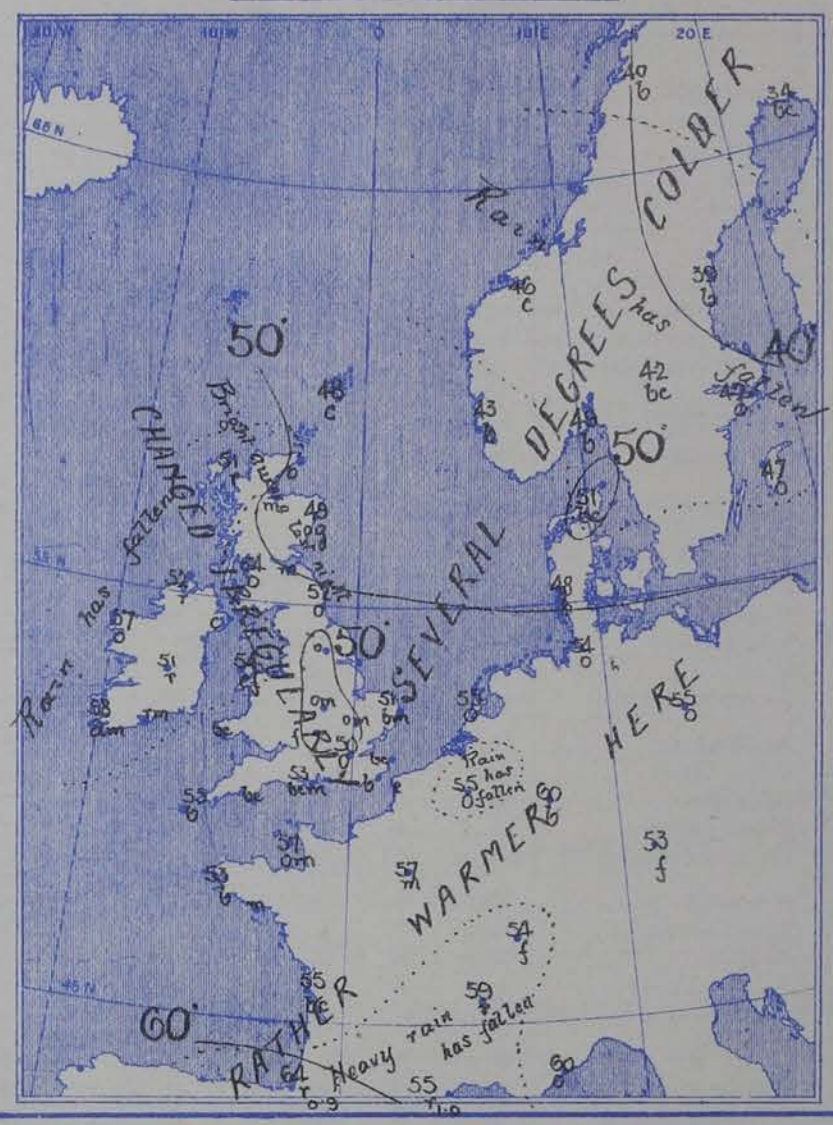


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more to 30.1 ins. in a high-pressure band stretching from the Bay of Biscay across England to the North Sea and the west of Norway.
Lowest (1) Below 29.7 ins. in a depression lying over the E^rn. parts of the Baltic, and about 30.0 ins. over the Hebrides.
Gradients slight to moderate over our Islands and increasing in the west.
Barometer falling over Ireland and the W. of Scotland, rising over England, and at the Scandinavian stations.

TEMPERATURE

Highest 64° at Biarritz, 58° at Valencia (Ireland) and 56° at the North Foreland.
Lowest (1) 34° at Haparanda, 39° at Hernösand, 40° at Bodö, 42° at Karlstad; (2) 44° at Loughborough, 49° at York.
It rose to between 65° and 60° over many parts of England yesterday to 65° at Paris, and 72° at Berlin.

WIND

(1) S. by W. and moderate over Ireland and the W. and N. of Scotland; very light and variable over England, but (2) N. by W. over the Baltic, Denmark and Scandinavia, and was blowing a gale at Wisby, and a strong breeze at Stockholm and Hernösand.
(3) Light N. by W. airs prevailed over France.

WEATHER

Fine and bright over Norway and the North Sea, fair as a whole over England, dull and rainy over Ireland and the N. of Scotland.
A great deal of rain had fallen in Sweden and in the SW. of France, and small quantities over Ireland. Bright Aurora was seen last night in the N. of Scotland.
Bright Sunshine recorded yesterday was from 9 to 10 hrs. on the W. coasts of England, only 0.4 hrs. in London, and 0.1 hr. at Cambridge.

SEA

Smooth except on our most N^rn. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Increasing S. by W. winds are probable in the W. and NW. of our Islands, with rain, and quite probably they may extend to England later on.

FORECASTS

For the 24 hours ending at NOON on 3^RD OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. by W. breezes, increasing in force, squally, rainy.
1	SCOTLAND EAST	W. by N. and SW. by W. breezes, light to moderate, fair, & a whole, warmer.
2	ENGLAND N.E.	
3	ENGLAND EAST	Variable airs and SW. by W. breezes, light, fair, warmer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	SW. by W. breezes, moderate, showery.
8	ENGLAND S.W.	SW. by W. breezes, moderate or fresh, fair.
9	IRELAND NORTH	S. by W. winds, freshening, with 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 ...	29·84	54	52	NW	4	o	3
Sumburgh Head	30·02	51	47	NNW	2	c	4
Stornoway	30·07	51	51	SSW	3	o	3
Aberdeen	30·08	54	50	NNW	2	oq	2
Shields	30·06	56	53	NE	2	cm	2
Ardrossan	30·07	56	54	NW	1	c	0
Malin Head ...	30·10	54	51	WNW	3	o	2
Belmullet	30·14	56	52	W	1	c	*
Holyhead	30·11	57	54	NW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·17	57	52	W	1	bcm	3
Scilly	30·11	58	54	NNW	4	bc	2
Jersey	30·04	61	58	NNW	5	bc	4
Hurst Castle ...	30·03	63	57	NNE	2	bm	2
Dungeness ...	30·01	60	56	NNW	3	bc	2
North Foreland	30·03	60	56	WNW	3	bc	2
London (Westminster)	30·03	60	55	NNE	2	c	3*
Yarmouth ...	29·99	59	57	N	3	bc	
Rochefort ...	29·89	65	64	NNE	3	c	*

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

Weather in morning fine and bright over many parts of SE. and central Europe, as well as the Baltic provinces of Russia; dull and rainy over Scandinavia, and the E. S. and SW. of France; fair over the British Islands, but dull in many places. A little rain falling later over Ireland and the N. of Scotland, and large quantities over the S. of France on the one hand, and Scandinavia on the other. Bright Aurora seen in the N. of Scotland at night.

Temperature fallen at most of the Continental stations. Morning readings highest 76° at Algiers, 75° at Palermo, 72° at Athens, and exceeding 60° over Italy, and on the SW. coasts of Spain; 59° at Jersey, Scilly and the N. Foreland. Lowest (1) 31° at Ulealborg, 32° at Helsingfors, 35° at Kharkov, 39° at Moscow and Riga, 45° at Lemberg; (2) 47° at Stornoway and Leith, 49° at Ardrossan and Longhborough. Rising later to between 60° and 65° over many parts of England to 61° at Paris, 65° at Paris, and 72° at Berlin; not exceeding 66° at Nice, and 59° at Lyons.

Wind very variable (1) Light to moderate from between NW. and NE. over the British Isles, but from SE. or S. over Sweden and N. Germany; (2) light from N. over central Russia; (3) cyclonic circulation of moderate wind prevailing over the SW. of France, and over the S. half of Norway. No decided change later.

Barometer highest (1) 30·2 ins. to 30·5 ins. in an elongated anticyclone covering Finland, W. Russia, Poland, Hungary and the Baltic peninsula, as well as over the W. parts of our Islands and the neighbouring part of the Atlantic. Lowest below 29.8 ins. over central Russia and in three rather small depressions – one over the S. half of Norway, another over the SW. of France and a third over N. Africa. Rising over our Islands all 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 Sunday 3rd October, 1897.

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	31	Z	0	b	30·16	+ ·12	34	32	0	N	4	c	*	b	*	41	27	—
	Hernösand ...	30·12	36	NW	4	b	30·21	+ ·22	35	32	— 4	NW	4	b	*	b	*	43	34	—
	Stockholm ...	29·99	39	N	6	o	30·17	+ ·42	38	37	— 4	NNW	4	o	*	o	*	50	37	—
	Wisby	29·99	45	NNE	9	c	30·12	+ ·42	43	41	— 4	NNE	8	o	*	c	*	46	43	—
	Karlstad ...	30·16	39	Z	o	b	30·31	+ ·40	34	32	— 8	NNE	2	b	*	b	*	41	27	—
	Bodo	30·18	37	E	1	b	30·26	+ ·14	35	33	— 5	NE	4	b	1	b	*	45	32	—
	Christiansund ...	30·14	45	NE	2	b	30·08	— ·04	42	39	— 4	ESE	2	bc	3	b	*	49	41	0·04
	Skudesnaes ...	30·08	46	Z	o	bc	30·08	+ ·06	50	48	+ 7	SE	4	r	2	b, bc	*	54	43	*
	Færder (Christiania Fjord)	30·14	50	E	2	b	30·17	+ ·20	45	43	— 4	SE	4	o	2	b	*	50	45	—
	Skagen (The Scaw)	30·14	48	Z	o	b	30·17	+ ·24	49	45	— 2	S	1	c	b	b	*	52	37	—
	Fanö	30·16	45	Z	o	b	30·13	+ ·18	48	46	o	E	4	c	*	b	*	61	43	—
	Sumburgh Head	30·01	48	SE	2	o	29·95	— ·16	49	48	+ 1	Z	o	o	3	o	*	51	46	0·13
	Stornoway ...	29·95	54	W	3	r	30·07	+ ·06	49	49	— 2	NW	4	c	4	o, r	0·6	55	40	0·24
	Wick	29·91	53	S	2	r	30·01	— ·09	49	48	— 2	NW	3	p	3	bp	*	53	40	0·10
	Nairn	30·00	54	Z	o	c	30·08	— ·01	48	47	+ 3	W	1	c	1	c	*	58	41	0·12
	Aberdeen ...	30·02	53	SSW	2	or g	30·07	— ·06	52	47	+ 3	W	3	b	2	o. rq	0·0	55	44	0·06
BRITISH ISLANDS.	Leith	30·06	55	W	1	o	30·13	·00	52	45	+ 2	W	3	b	*	o	*	60	45	—
	Shields	30·12	55	Z	o	f	30·12	— ·04	47	45	— 5	W	3	bc	2	f, r	*	57	45	0·22
	Spurn Head ...	30·07	55	SSW	3	o	30·08	— ·08	52	51	— 4	W	6	b	4	o. r	*	62	52	0·30
	York	30·14	56	W	1	o g	30·15	— ·02	51	47	+ 2	NW	2	b	*	o g, r	0·0	57	46	0·56
	Loughborough ...	30·19	53	SE	1	o	30·18	— ·03	50	47	+ 6	WNW	3	b	*	or, b, c q	*	56	44	0·20
	Ardrossan ...	30·04	54	SW	2	p	30·17	+ ·07	53	51	— 1	W	3	b	2	r	*	55	50	0·06
	Malin Head ...	30·09	54	NW	6	c p a	30·23	+ ·17	53	51	+ 1	NW	6	p	3	c p z	*	66	51	0·19
	Belmullet ...	30·22	55	WNW	3	bc	30·40	+ ·31	54	48	— 3	WNW	3	c	*	bc	*	59	50	—
	Donaghadee ...	30·12	55	WSW	3	d	30·24	+ ·10	53	51	+ 1	W	4	bc	2	d	*	56	45	0·05
	Liverpool (Bidston)	30·15	56	SSE	1	o	30·22	+ ·02	54	50	+ 2	WNW	5	bc	5	o	*	58	51	0·30
	Holyhead ...	30·12	57	SW	3	r g f	30·27	+ ·08	53	51	— 1	WNW	5	c	4	ep, r g f	*	59	50	0·34
	Parsonstown ...	30·18	58	W	1	b	30·39	+ ·26	50	48	— 1	NW	1	bc	*	b	0·0	60	42	0·11
	Valencia ...	30·27	57	NW	3	c	30·46	+ ·29	55	52	— 3	WNW	2	bc	3	r m, c	0·1	59	49	0·24
	Roche's Point ..	30·21	58	NNW	4	c	30·43	+ ·23	52	50	— 5	NW	3	b	3	c	*	61	48	0·02
	Pembroke (St. Ann's Hd.)	30·19	57	W	4	o	30·34	+ ·12	53	50	— 3	NNW	5	bc	4	o	0·5	58	51	0·36
	Scilly	30·23	58	SSW	2	f w	30·36	+ ·12	57	55	+ 2	NNW	4	b c w	1	f w	3·6	61	52	0·01
	Prawle Point ...	30·25	56	WSW	3	bc	30·30	+ ·06	55	51	+ 1	NW	2	b	2	bc, f d	*	64	49	0·02
	Jersey (St. Aubin's)	30·20	59	NNW	3	b c m	30·25	+ ·04	58	56	+ 1	NW	5	o p m	4	bc, b c m	*	63	53	0·06
	Hurst Castle ...	30·21	58	WNW	2	o	30·20	— ·01	55	53	+ 2	N	3	bc	2	o	*	62	52	0·03
	Dungeness ...	30·18	58	SW	1	bc	30·12	— ·06	55	55	+ 2	WNW	2	o p	1	b, bc	*	60	53	0·07
	North Foreland	30·22	55	Z	o	o	30·11	— ·07	53	52	— 3	SW	2	r	2	bc, o	*	58	51	0·11
	London (Brixton) ...	30·19	57	NNW	2	o	30·17	— ·04	53	50	+ 3	NNW	2	bc	*	bc p	1·5	61	49	0·11
	Oxford	30·20	53	W	1	o	30·20	— ·02	52	49	+ 2	NW	3	bc	*	o. r	*	59	49	0·22
	Cambridge ...	30·20	55	NW	1	o	30·14	— ·07	52	51	+ 3	NW	2	o	*	o. r	1·6	59	48	0·33
	Yarmouth ...	30·17	55	Z	o	c v	30·06	— ·09	52	51	+ 1	WSW	2	f r	3	b, c v	*	57	49	0·21
GERMANY & HOLLAND.	Cuxhaven ...	30·08	54	NNE	1	b	30·13	+ ·19	48	47	— 6	SSW	1	o	*	b	*	59	43	—
	Berlin	30·06	50	WNW	3	b	30·18	+ ·27	48	46	— 7	NW	2	o	*	b	*	63	47	—
	Wiesbaden ...	*	*	*	*	*	30·17	+ ·18	53	49	— 8	N	2	bc	*	*	*	66	52	—
	Munich... ..	30·11	56	W	2	o	30·18	+ ·19	50	49	— 3	NE	2	r	*	o	*	61	49	—
	The Helder ...	30·15	54	N	2	o	30·06	— ·02	51	49	— 4	S	1	r	1	o	*	57	51	—
BELGIUM.	Brussels ...	*	*	*	*	*	30·17	+ ·05	50	49	— 5	SSE	1	r	*	o	*	57	47	—
	Cape Gris Nez...	30·15	55	Z	o	b	30·10	·00	55	54	o	NW	2	r	2	b	*	59	52	0·04
	Paris	30·20	55	N	2	c	30·23	+ ·13	46	46	— 11	S	1	f	*	c	*	62	55	—
	Brest	30·27	55	NNW	1	bc	30·32	+ ·08	56	54	+ 3	N	3	f	2	c	*	59	48	0·04
	Lorient... ...	30·26	59	NW	4	c	30·28	+ ·05	59	58	+ 5	NNW	4	m	3	c	*	66	46	—
FRANCE &	Rochefort ...	30·16	63	N	4	o	30·24	+ ·13	56	56	+ 1	N	4	c	*	o	*	63	54	—
	Belfort	30·01	58	NE	3	m	30·16	+ ·23	49	47	— 5	NE	1	m	*	m	*	68	49	—
	Lyons	30·03	59	NW	4	o	30·17	+ ·26	53	51	— 6	NW	2	o	*	o	*	64	53	—
	Nice	29·91	60	E	1	o	29·84	+ ·01	66	55	+ 6	Z	o	bc	1	o	*	64	57	0·04
	Perpignan ...	30·01	60	NW	3	r	30·08	+ ·19	60	56	+ 5	NW	4	o	*	r	*	61	55	1·14
	Biarritz ...	30·19	64	NNW	5	o	30·23	+ ·17	62	56	— 2	NW	4	o	2	o	*	66	59	—
PENINSULA.	Corunna ...																*			
	Lisbon	30·24	61	NNW	4	b	30·24	— ·04	64	54	+ 3	NNE	4	b	*	b	*	72	57	—
	Azores (P. Delgada)	30·33	67	ENE	3	c	30·30	+ ·01	67	64	+ 1	ENE	3	bc	4	c	*	73	64	—

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

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

Bright Sunshine yesterday Southport 0·1 hrs;

WEATHER CHARTS

FOR SUNDAY, 3RD OCTOBER, 1897.

BAROMETER, WIND AND SEA.

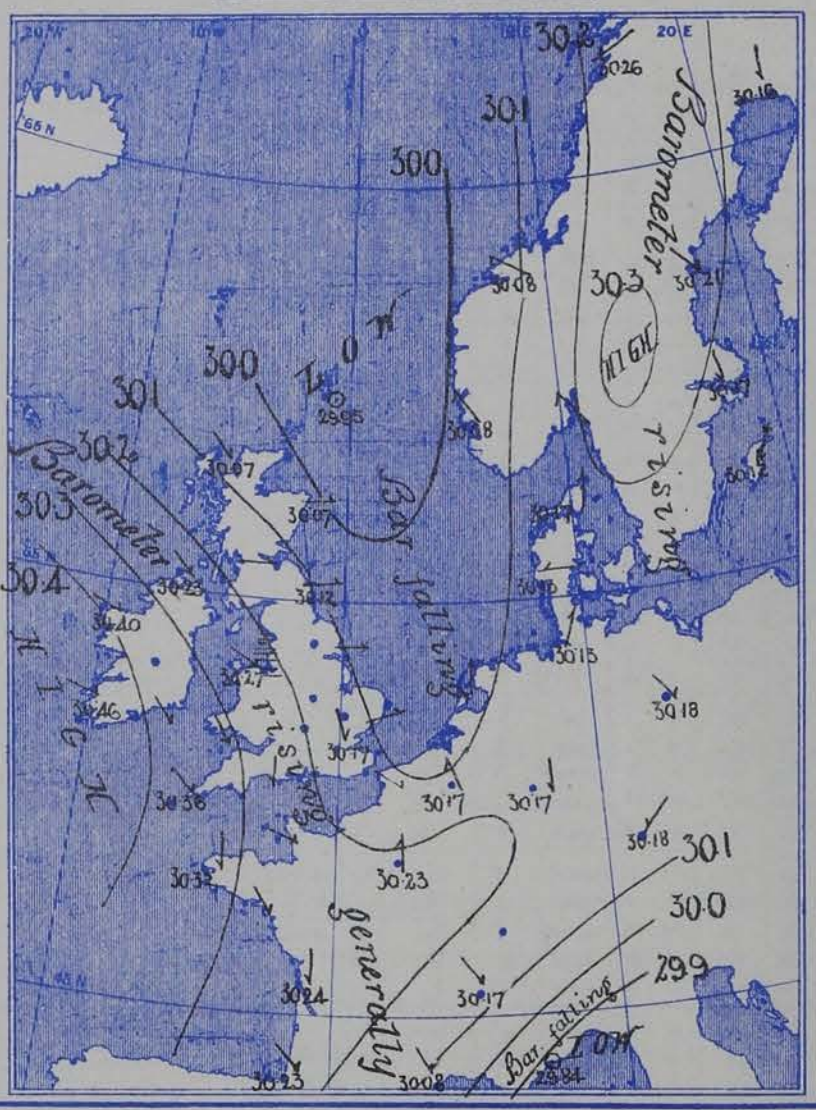
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

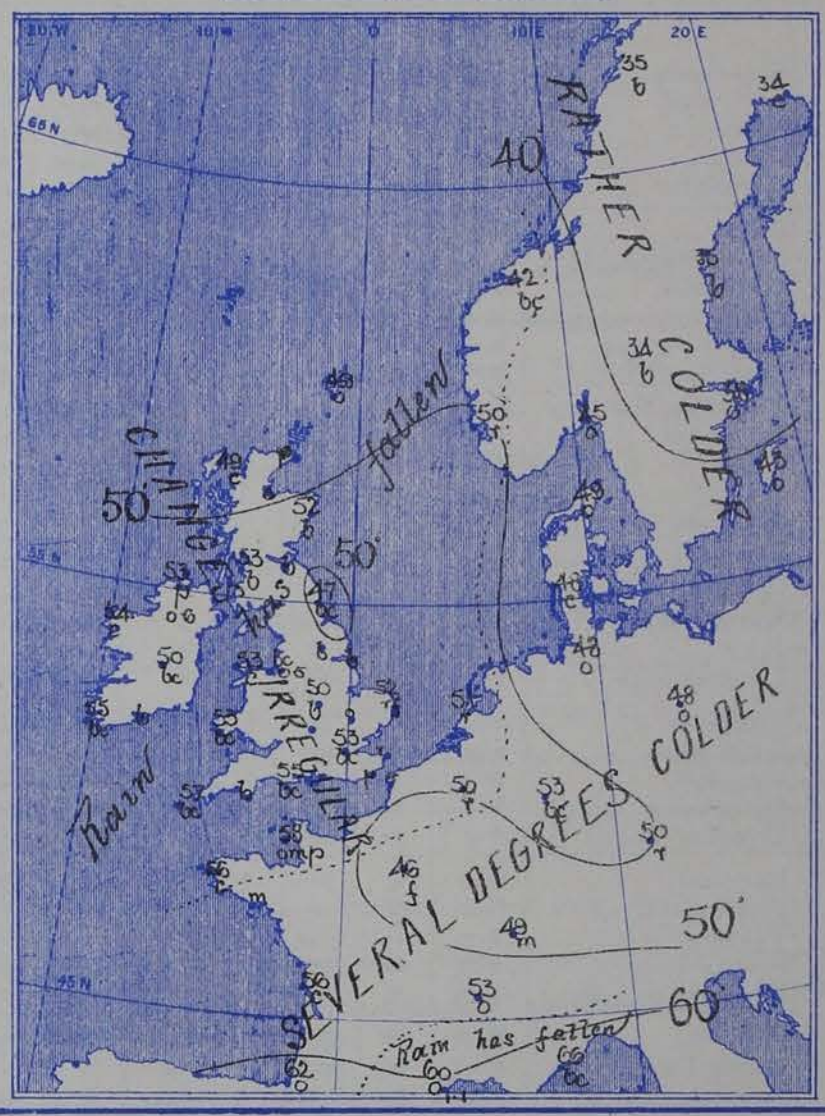


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 inches and more to 30.2 inches over the southwestern and western parts of our Islands, 30.3 inches and more to 30.2 inches over Scandinavia
Lowest (1) 29.95 inches at Dumbuigh Head, and below 30.1 inches in a "V" shaped secondary extending southwards over the North Sea (2) below 29.9 inches over the Riviera
Gradients were moderate. Barometer was rising decidedly over our Islands, falling over the North Sea.

TEMPERATURE

Highest 66° to 60° over the southern parts of France and on the Spanish coasts, 57° at Scilly and above 50° over Ireland and England.
Lowest 34° to 38° over Lapland and the greater part of Sweden, 42° at Christiansund, 48° at Nairn as well as at Paris and Cuxhaven
The highest of the maxima recorded over our Islands yesterday ranged from 60° to 64°.

WIND

Westerly and Northwesterly over the British Islands,—moderate in force but strong at some northwestern and northeastern stations, but Southeasterly on the eastern shores of the North Sea; Northeasterly to Northwesterly and light over Southern Europe. It shifted from Southwest to Northwest over our eastern districts during the night.

WEATHER

Dull and rainy over the North Sea, and many parts of Germany, fine both over our Islands and the northern and eastern parts of Scandinavia
Rain had fallen over our Islands generally—most in the north and northwest of England; thunder had been heard at Wick. as a whole the weather over the Continent had been dry, but at Perpignan there had been a heavy fall of rain. Bright sunshine ranged from 3.6 hours at Scilly to 0.0 hr. at Aberdeen, York & Boscastle.

SEA

Rather rough over the Irish Sea; moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on OCTOBER 4TH 1897.

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

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 ...	30·06	54	51	NE	0	fb	1
Sumburgh Head	30·08	49	45	ESE	2	0	4
Stornoway	29·95	54	54	SW	5	0	5
Aberdeen	30·07	52	50	S	4	cgq	3
Shields	30·13	55	52	NE	0	of	0
Ardrossan	30·06	54	54	S	2	p	1
Malin Head ...	30·04	56	56	SSW	5	opd	3
Belmullet	30·09	58	56	WNW	2	0	*
Holyhead	30·17	51	55	SW	3	cf	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·22	58	51	WNW	2	r m	4
Scilly	30·25	59	51	SSW	1	0	1
Jersey	30·24	63	59	NW	3	bc	3
Hurst Castle ...	30·21	62	56	SW	1	b e m	1
Dungeness ...	30·19	60	54	NNW	2	b	1
North Foreland	30·20	57	53	NW	2	bc	2
London (Westminster)	30·20	61	53	SW	1	c	*
Yarmouth ...	30·17	57	52	NNE	3	b v	3
Rochefort ...	30·14	63	60	N	4	0	*

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

Weather in morning fine over the south of England, the western parts of France and the greater part of Spain, fair over Southeastern Europe and also over Lapland, very dull, however over the greater part of the Continent and the United Kingdom, rainy and unsettled over the west and northwest of our Islands, and very rough and raing over the Gulfs of Finland and Bothnia, and the Baltic. Rain falling later in all parts of the British Islands — the falls being considerable at York and Liverpool, hardly any at the Continental stations, however, except at Perpignan, where more than an inch fell.

Temperature rises over France and several parts of Central and Southeastern Europe, but beginning to fall decidedly in the north. Morning readings highest 75° at Malta, 72° at Tunis and exceeding 60° at the stations in Algeria, Italy and Southeastern Europe; 64° at Biarritz, 58° at Valencia (Ireland) 56° at the North Foreland and also at New Fahrwasser and Memel. Lowest 34° at Kajaani, and St. Petersburg, 35° at Archangel, 37° at Kuopio, 43° at Skudesnaes, 44° at Loughborough and 45° at Nairn. Rising later to between 60° and 64° at a few of our own stations and to 66° at Lorient, but tending to fall very decidedly over Northern Europe.

Wind varying extremely (1) Light and anticyclonic from the Northward over England and France, and from the Southeastward over the southern parts of Russia; (2) Cyclonic over Northern Europe and strong to a gale in force from the Northward over several parts of Sweden: cyclonic over the Mediterranean also, but only moderate in force. Shifting to Northwest over Ireland later, falling nearly calm over England.

Barometer Highest 30.2 inches to 30.1 inches and more in a high pressure system lying over the Bay of Biscay and neighbouring parts of the Atlantic, and stretching northwards across England to Norway. Lowest (1) About 29.5 inches in a well marked depression over the Gulf of Riga and a part of the Gulf of Finland (2) below 29.9 inches over the Mediterranean generally and to that below 29.8 inches in some localities. A new "V" shaped disturbance being developed over our Islands later, and moving eastwards.

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 4th October, 1897.

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 ...	30·30	31	NNW	2	b	30·43	+·27	32	32	−2	N	2	c	≡	b	≡	41	27	—
	Hernösand ...	30·32	37	N	4	o	30·50	+·29	35	32	0	NW	2	b	≡	o	≡	39	32	—
	Stockholm ...	30·27	37	NW	2	o	30·39	+·22	36	35	−2	NNW	2	b	≡	o	≡	45	36	—
	Wisby	30·23	43	NNE	4	b	30·33	+·21	41	39	−2	E	4	c	≡	b	≡	46	37	0·08
	Karlstad ...	30·29	39	NW	2	o	30·47	+·16	38	36	+4	Z	o	o	≡	o	≡	≡	≡	—
	Bodö	30·32	36	E	2	b	30·51	+·25	35	31	0	E	2	c	1	b	≡	37	32	—
	Christiansund ...	30·20	42	Z	o	b	30·38	+·30	41	39	−1	ESE	3	b	3	b	≡	48	39	—
	Skudesnaes ...	30·14	51	SE	4	o	30·44	+·36	51	49	+1	S	2	r	2	o	≡	54	45	≡
	Færder (Christiania Fjord)	30·23	46	ENE	2	o	30·44	+·27	43	40	−2	NE	2	o	1	o	≡	48	43	—
	Skagen (The Scaw)	30·22	48	ESE	1	o	30·39	+·22	46	41	−3	E	2	c	o	o	≡	52	45	—
	Fanö	30·09	48	SE	2	o	30·27	+·14	44	42	−4	E	2	b	≡	o	≡	52	43	0·04
British Islands.	Sumburgh Head	30·16	51	NW	1	o	30·34	+·39	48	47	−1	W	1	o	2	o	≡	53	42	0·03
	Stornoway ...	30·25	51	NW	5	o	30·34	+·27	47	47	−2	W	2	o	2	bc	2·3	53	40	0·02
	Wick	30·14	49	NW	4	o	30·39	+·38	48	47	−1	NW	2	bc	o	o,r	≡	53	43	0·20
	Nairn	30·25	50	W	2	c	30·40	+·32	46	45	−2	W	1	b	1	c	≡	57	39	0·02
	Aberdeen ...	30·18	49	NW	5	cpq	30·42	+·35	49	45	−3	WNW	2	bc	1	cpq	6·3	57	42	0·01
	Leith	30·19	56	W	3	c	30·44	+·31	42	40	−10	WSW	1	m	≡	c	≡	65	41	—
	Shields	30·19	53	W	3	c	30·41	+·29	47	46	0	NW	3	op	3	c	≡	59	44	—
	Spurn Head ...	30·19	55	NW	3	bc	30·29	+·21	53	52	+1	NNW	6	c	5	bc	≡	57	45	—
	York	30·21	55	WNW	3	bc	30·38	+·23	48	46	−3	NW	3	o	≡	bc	8·1	59	44	—
	Loughborough ...	30·26	51	NW	3	b	30·39	+·21	44	43	−6	WNW	2	bw	≡	cq,bc,b	≡	59	41	—
	Ardrossan ...	30·26	55	WNW	4	c	30·43	+·26	46	44	−7	NNE	2	bfw	2	c	≡	58	39	—
	Malin Head ...	30·35	53	NNW	6	op	30·41	+·18	51	49	−2	S	1	c	1	op	≡	55	47	—
	Belmullet ...	30·47	53	WNW	1	b	30·44	+·04	51	50	−3	SW	2	b	≡	b	≡	59	47	—
	Donaghadee ...	30·39	53	NW	5	c	30·46	+·22	49	47	−4	W	3	c	1	c	≡	60	45	0·01
	Liverpool (Bidston)	30·30	53	WNW	5	b	30·44	+·22	52	46	−2	NNW	1	b	2	b	≡	57	48	—
	Holyhead ...	30·24	55	NW	5	bc	30·45	+·18	53	48	0	NNE	3	bc	2	bc	≡	57	48	—
	Parsonstown ...	30·42	53	Z	o	b	30·48	+·09	42	41	−8	Z	o	b	≡	b	6·0	59	39	—
	Valencia ...	30·50	55	NW	1	bc	30·48	+·02	47	46	−8	NNE	1	bw	2	bc	9·6	58	41	—
	Roche's Point ...	30·47	55	NW	3	bw	30·51	+·08	48	46	−4	NNW	3	b	3	bw	≡	60	44	—
	Pembroke (St. Ann's Hd.)	30·39	55	NNW	4	b	30·44	+·10	54	50	+1	NE	3	b	2	b	8·2	57	50	—
	Scilly	30·44	56	NNW	4	bc	30·44	+·08	55	51	−2	N	3	bc	1	bc	10·0	59	49	—
	Prawle Point ...	30·40	51	NW	2	b	30·43	+·13	52	49	−3	NNW	3	b	2	b	≡	63	40	—
	Jersey (St Aubin's)	30·34	58	NW	4	bc	30·39	+·14	57	52	−1	N	3	cg	3	bc	≡	62	53	—
	Hurst Castle ...	30·30	55	WNW	2	bc	30·37	+·17	50	47	−5	NW	2	bw	2	bc	≡	61	46	—
	Dungeness ...	30·21	55	NNW	2	bc	30·28	+·16	47	46	−8	NNW	3	bw	1	bc	≡	61	44	—
	North Foreland	30·22	56	WNW	2	bcq	30·24	+·13	52	49	−1	WNW	5	cq	5	cq,bcq	≡	58	49	0·03
	London (Brixton) ...	30·25	55	NNW	2	b	30·34	+·17	48	45	−5	N	2	c	≡	c,bv,o	7·3	61	45	—
	Oxford	30·32	50	N	2	b	30·39	+·19	48	45	−4	NNW	4	bw	≡	bq	≡	60	44	—
	Cambridge ...	30·22	56	N	2	o	30·34	+·20	48	46	−4	NW	3	bw	≡	b,o	6·9	61	44	—
	Yarmouth ...	30·14	53	NNW	3	c	30·23	+·17	53	51	+1	NNW	4	cq	4	c	≡	56	47	0·13
Germany & Holland.	Cuxhaven ...	30·02	48	S	3	r	30·17	+·04	49	48	+1	NE	4	bc	≡	r	≡	58	45	0·12
	Berlin	30·10	49	Z	o	r	30·05	−·13	44	43	−4	E	5	r	≡	r	≡	54	44	0·20
	Wiesbaden ...	≡	≡	≡	≡	≡	30·04	−·13	51	48	−2	NW	2	o	≡	≡	≡	57	48	0·08
	Munich	30·13	52	Z	o	o	30·13	−·05	48	46	−2	W	5	b	≡	o	≡	55	46	0·20
	The Helder ...	29·97	57	NW	8	o	30·19	+·13	49	46	−2	ENE	1	c	2	o	≡	57	48	1·34
Belgium.	Brussels ...	≡	≡	≡	≡	≡	30·19	+·02	50	48	0	WNW	1	o	≡	b	≡	56	44	0·32
	Cape Gris Nez ...	30·16	57	N	4	b	30·21	+·11	51	48	−4	N	5	c	5	b	≡	59	48	0·12
	Paris	30·25	53	NNW	1	bc	30·26	+·03	47	47	+1	NW	1	c	≡	bc	≡	60	43	0·04
	Brest	30·41	57	NNE	3	b	30·42	+·10	55	52	−1	N	1	c	2	b	≡	61	46	—
	Lorient	30·40	59	NNW	4	c	30·40	+·12	52	51	−7	NNW	4	bc	2	c	≡	64	48	—
France &	Rochefort ...	30·24	62	NW	3	c	30·29	+·05	50	49	−6	N	3	b	≡	c	≡	63	48	—
	Belfort	30·16	50	W	5	o	30·18	+·02	44	42	−5	WSW	1	bc	≡	o	≡	59	41	—
	Lyons	30·23	51	NNW	1	b	30·21	+·04	50	45	−3	N	3	b	≡	b	≡	58	47	—
	Nice	29·87	68	Z	o	c	29·78	−·06	64	55	−2	Z	o	b	1	c	≡	77	57	—
	Perpignan ...	30·07	63	NW	5	o	30·09	+·01	61	54	+1	NW	3	c	≡	o	≡	69	59	—
	Biarritz ...	30·23	63	N	4	o	30·24	+·01	57	55	−5	NNE	3	o	2	o	≡	66	55	—
Penin-sula.	Corunna ...																≡			
	Lisbon	30·07	69	NNE	4	b	30·07	−·07	66	56	+2	NE	4	b	≡	b	≡	81	64	—
	Azores (P. Delgada)	30·28	65	NNE	3	b	30·23	−·07	65	61	−2	NE	3	b	3	b	≡	73	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 9·4 hrs;

WEATHER CHARTS

FOR MONDAY, 4TH OCTOBER, 1897.

BAROMETER, WIND AND SEA.

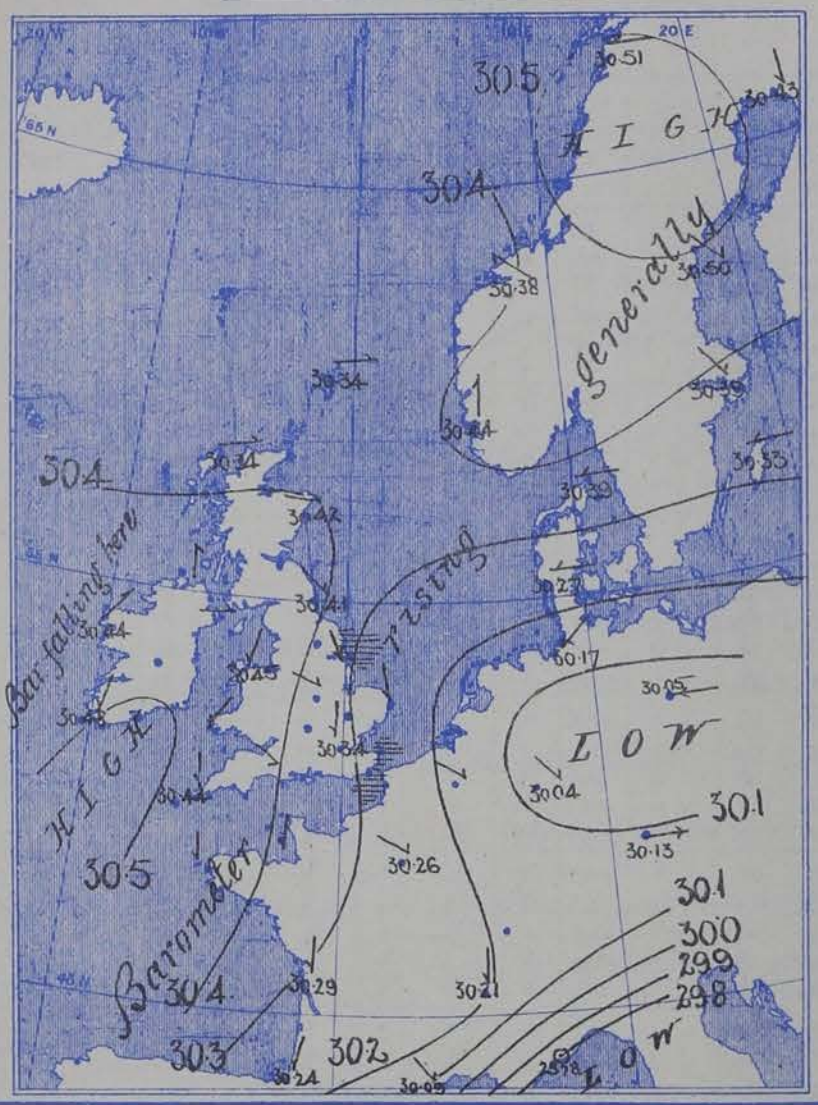
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

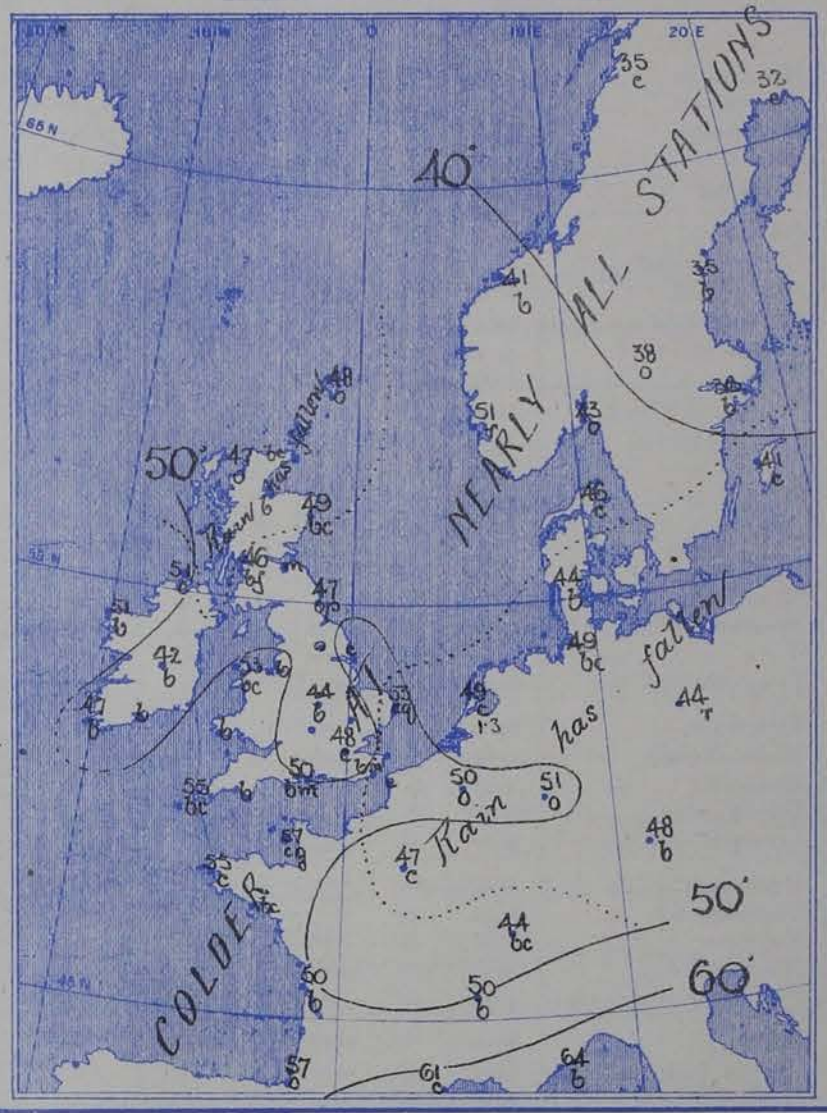


TEMPERATURE & WEATHER.

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 OCTOBER.*

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92. 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·51 inches at Roche's Point as well as at Bodö, and exceeding 30·4 inches in two anticyclones, one covering Scandinavia, the other over the British Islands.

Lowest. Below 30·1 inches in a depression over Germany and below 29. 8 inches over the Riviera.

Gradients were moderate for Northerly winds over England, very slight and variable over Ireland, Scotland & Scandinavia.

Barometer had begun to fall again over the west of Ireland, but was rising elsewhere.

TEMPERATURE

Highest 66° at Lisbon, 64° at Nice, 57° at Biarritz, 55° at Scilly and 51° at Mull of Kintyre Head.

Lowest 32° at Haparanda, 35° at Bodö and Haparanda; 42° at Leith and Paparstown, 44° at Loughtrough, and at Belfort, 47° at Paris.

The highest of the maxima recorded over our Islands yesterday varied between 57° and 63°, that at Berlin was only 51°, at Paris 62° and at Nice 71°.

WIND

(1). Easterly and light over the Baltic and North Germany, Northerly, moderate to very fresh over England, moderate over the Bay of Biscay.

(2). Nearly calm over Scandinavia, Scotland and Ireland, but backing to South in the northwest of Ireland, and to the Westward in Scotland.

WEATHER

Fine over our Islands and France, dull and rainy in some parts of the Netherlands and North Germany, and at Thudesnaes; not at all settled anywhere.

Very heavy rain had fallen at the Helder, and smaller quantities over Germany and the Netherlands as a whole; showers in the east and north of Scotland.

SEA

Rather rough on our eastern coasts and on the French side of the Channel, slight to smooth at our northern, western and southern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new fall of the barometer in the west, points apparently, to the approach of very unsettled, rainy weather — first in the west and northwest, and later on to England and the north of France, with considerable changes of temperature.

FORECASTS

For the 24 hours ending at NOON on OCTOBER 5TH 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Southwesterly winds, weather becoming unsettled and rainy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Northwesterly winds, moderate; fair, cold; backing to West or Southwest later, milder but unsettled.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Wind backing Southwards, fine at first, rainy later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	Southwesterly and Southerly winds, freshening; fair at first, rainy later.
10	IRELAND SOUTH	
	WARNINGS	None Issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·08	54	51	SSE.	2	c	2
Sumburgh Head							
Stornoway	30·20	53	53	NW	5	o	6
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·33	54	50	NNW	6	c	3
Belmullet	30·46	55	50	NW	2	o	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia ...							
Scilly							
Jersey	30·32	60	54	NNW	5	bc	4
Hurst Castle ...							
Dungeness ...	30·17	59	53	NNW	5	b	4
North Foreland	30·18	57	51	WNW	4	c	4
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·24	61	59	NNW	4	c	*

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 SEPTEMBER 26 TO OCTOBER 2ND 1897.

At the commencement of the week pressure was highest (30·3 inches) in an anticyclone lying over Central Europe, and exceeded 30·1 inches over France and the southern parts of our Islands; it was lowest, however, over the Northwest of Norway, and the Atlantic. For a few days depressions of little depth advanced to our western coasts, and the anticyclone moved northwards and eastwards, so that on Tuesday and Wednesday showery weather and Southeasterly to Southerly winds were prevalent over the Kingdom.

After Wednesday morning a change occurred and a series of high and low pressure areas succeeded each other as they moved across our Islands and the Northwest of Europe from the Westward. In one of these low pressure systems the thunderstorms and heavy rains of Wednesday night occurred, when rain fell over our southeastern and South Midland counties amounting to more than an inch in most places and to more than two inches at Hillington.

At the close of the week this series of disturbances was still in progress but no thunder was reported.

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 5th October, 1897.

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 ...	30·53	28	NE	0	bc	30·50	+·07	26	25	− 6	NE	0	b	#	bc	#	37	25	—
	Hernösand ...	30·60	29	NE	0	b	30·59	+·09	27	26	− 8	S	2	b	#	b	#	46	27	—
	Stockholm ...	30·61	37	NW	2	b	30·64	+·25	36	33	0	W	2	b	#	b	#	43	30	004
	Wisby	30·57	43	NNE	4	b	30·62	+·29	42	40	+ 1	NNE	4	bc	#	b	#	45	37	012
	Karlstad ...	30·65	35	NE	1	b	30·66	+·19	30	29	− 8	N	2	f	#	b	#	#	#	—
	Bodö	30·48	35	E	2	b	30·32	−·19	42	35	+ 7	E	4	o	1	b	#	42	32	—
	Christiansund ...	30·44	45	ESE	2	bc	30·39	+·01	48	44	+ 7	ESE	3	c	3	bc	#	48	41	—
	Skudesnaes ...	30·56	48	S	7	o	30·60	+·16	49	47	− 2	S	8	c	5	o	#	51	48	*
	Færder (Christiania Fjord)	30·64	43	NE	2	b	30·65	+·21	41	40	− 2	WNW	2	b	1	b	#	43	39	—
	Skagen (The Scaw)	30·65	44	E	1	b	30·67	+·28	46	41	0	E	0	bc	0	b	#	50	41	—
	Fanö	30·56	41	NE	3	b	30·61	+·34	38	37	− 6	E	0	b	#	b	#	55	38	—
British Isl.	Sumburgh Head	30·36	49	SW	1	o	30·20	−·14	52	50	+ 4	S	4	o	5	o	#	54	46	—
	Stornoway ...	30·26	53	SW	5	o	30·07	−·27	53	53	+ 6	SW	6	o	7	o	0·0	54	45	—
	Wick	30·35	53	NW	2	bc	30·17	−·22	53	52	+ 5	SW	4	o	2	r, bc	#	54	47	—
	Nairn	30·37	49	W	1	c	30·23	−·17	52	48	+ 6	SW	1	b	1	c	#	58	41	—
	Aberdeen ...	30·43	49	S	2	cw	30·33	−·09	52	48	+ 3	S	6	bcq	5	bc, cw	7·3	58	47	—
	Leith	30·42	53	WSW	1	o	30·35	−·09	51	48	+ 9	S	1	o	#	o	#	58	41	—
	Shields	30·46	50	E	0	ow	30·45	+·04	47	46	0	S	3	f	2	r, c, ow	#	53	43	003
	Spurn Head ...	30·53	54	ENE	3	b	30·45	+·16	53	50	0	ESE	4	c	4	b	#	57	52	—
	York	30·45	53	NW	4	o	30·45	+·07	40	40	− 8	E	0	f	#	ow	0·3	55	35	001
	Loughborough ...	30·44	50	NNE	1	b	30·49	+·10	35	35	− 9	NW	1	fw	#	cw, bwf	#	54	33	—
	Ardrossan ...	30·41	52	S	1	o	30·29	−·14	54	52	+ 8	SSE	4	c	3	o	#	56	44	—
	Malin Head ...	30·36	53	S	3	cw	30·16	−·25	50	48	− 1	SSE	5	c	2	bc, cw	#	57	48	—
	Belmullet ...	30·34	55	SSW	3	bc	30·10	−·34	55	52	+ 4	SW	5	o	#	o, bc	#	59	50	—
	Donaghadee ...	30·44	49	SW	3	b	30·30	−·16	53	51	+ 4	S	6	bc	4	b	#	55	44	—
	Liverpool (Bidston)	30·46	53	ENE	1	o	30·44	·00	47	45	− 5	ESE	2	bc	?	bc, o, f	#	55	45	—
	Holyhead ...	30·43	52	NE	1	cw	30·37	−·08	50	48	− 3	SE	2	cw	1	bc, cw	#	55	46	—
	Parsonstown ...	30·40	52	E	0	bc	30·26	−·22	49	47	+ 7	SE	1	bc	#	bc	7·1	59	40	—
	Valencia ...	30·38	52	SSE	2	c	30·22	−·26	56	52	+ 9	SSW	4	cg	4	bc, c	9·2	59	45	—
	Roche's Point ..	30·42	54	SE	2	b	30·31	−·20	56	52	+ 8	SSW	4	o	4	b	#	60	46	—
	Pembroke (St. Ann's Hd.)	30·42	55	NE	3	b	30·36	−·08	54	52	0	SSE	5	c	4	b	8·3	57	50	—
	Scilly	30·40	55	NNE	2	b	30·33	−·11	55	52	+ 3	SSE	1	bc	1	b	9·5	59	50	—
	Prawle Point ...	30·41	51	NNE	3	b	30·39	−·04	55	50	0	ESE	4	cp	3	b	#	60	48	—
	Jersey (St. Aubin's)	30·39	56	NNE	3	b	30·38	−·01	55	50	− 2	E	4	bcw	3	bc, b	#	59	45	—
	Hurst Castle ...	30·38	55	NNE	3	cw	30·42	+·05	52	47	+ 2	ENE	5	bcw	3	c, cw	#	61	48	—
	Dungeness ...	30·34	54	NE	4	cp	30·41	+·13	49	49	+ 2	ENE	4	cp	4	bc, cp	#	58	47	007
	North Foreland	30·39	55	NE	4	cq	30·45	+·21	52	49	0	NE	5	c	5	cq	#	57	49	002
	London (Brixton) ...	30·39	54	NE	3	c	30·44	+·10	43	40	− 5	ENE	2	o	#	zp, bc, bw	1·7	55	40	—
	Oxford	30·43	48	N	2	b	30·47	+·08	41	40	− 7	N	1	bf	#	bc, b	#	55	38	—
	Cambridge ...	30·43	51	E	1	b	30·48	+·14	44	44	− 4	ENE	1	bcw	#	c, b	1·4	57	37	—
	Yarmouth ...	30·39	54	ENE	5	bcw	30·45	+·22	50	46	− 3	E	5	bcw	4	cq, bcw	#	57	48	001
Germany & Holland.	Cuxhaven ...	30·39	47	NE	5	c	30·51	+·34	45	45	− 4	NE	4	b	#	c	#	54	43	—
	Berlin	30·30	46	NE	4	o	30·44	+·29	40	37	− 4	E	4	b	#	o	#	48	37	016
	Wiesbaden ...	#	#	#	#	#	30·25	+·21	46	42	− 5	NE	5	c	#	#	#	54	45	—
	Munich... ..	30·12	45	W	3	o	30·06	−·07	40	40	− 8	NE	5	r	#	o	#	54	39	047
	The Helder ...	30·41	52	ENE	4	b	30·48	+·29	47	43	− 2	E	4	b	3	b	#	54	46	—
Belgium.	Brussels ...	#	#	#	#	#	30·40	+·21	42	41	− 8	NE	3	o	#	b	#	54	39	004
	Cape Gris Nez...	30·31	54	E	4	o	30·35	+·14	44	41	− 7	ESE	3	o	3	o	#	57	41	004
	Paris	30·27	53	NNW	2	r	30·29	+·03	43	41	− 4	N	3	m	#	r	#	62	41	—
	Brest	30·38	54	NE	1	b	30·32	−·10	49	46	− 6	NE	2	bc	2	b	#	61	41	—
	Lorient... ...	30·38	59	NNW	4	c	30·31	−·09	50	48	− 2	NE	4	b	4	c	#	64	46	—
France &	Rochefort ...	30·23	57	NE	4	bc	30·20	−·09	47	46	− 3	NE	4	bc	#	bc	#	63	45	—
	Belfort	30·14	47	E	0	r	30·04	−·14	42	40	− 2	NE	4	o	#	r	#	51	42	004
	Lyons	30·13	47	N	3	bc	30·00	−·21	45	43	− 5	N	4	o	#	bc	#	55	44	008
	Nice	29·69	62	E	0	c	29·65	−·13	58	47	− 6	E	0	o	4	c	#	73	52	016
	Perpignan ...	30·09	58	NW	5	r	29·95	−·14	54	47	− 7	NW	5	c	#	r	#	66	52	—
	Biarritz ...	30·20	60	N	5	o	30·15	−·09	50	46	− 7	ESE	2	b	2	o	#	66	46	—
Penin-sula.	Corunna ...																#			
	Lisbon	30·07	71	NW	3	b	30·09	−·08	64	55	− 2	NNE	1	b	#	b	#	72	61	—
	Azores (P. Delgada)	30·17	68	SE	1	bc	30·14	−·09	65	63	0	NE	2	o	2	bc	#	75	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 7·6 hrs;

WEATHER CHARTS

FOR Tuesday, 5th October, 1897.

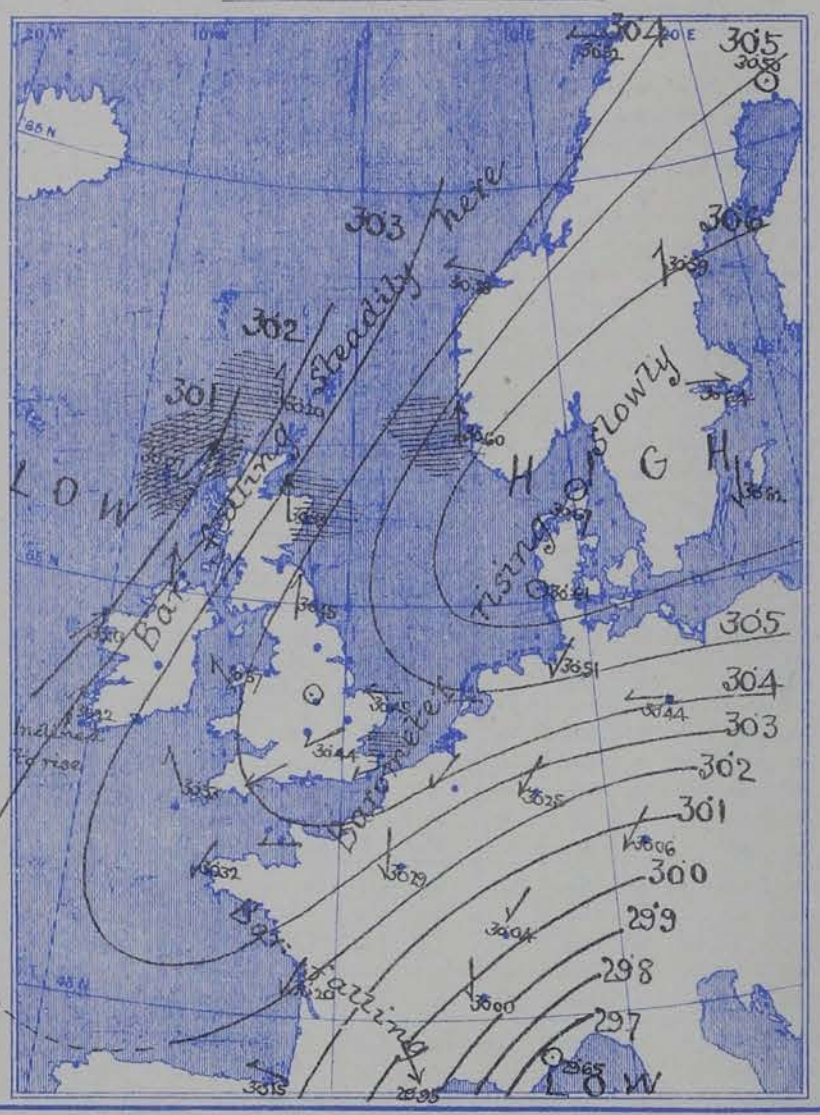
BAROMETER, WIND AND SEA.

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* ▩

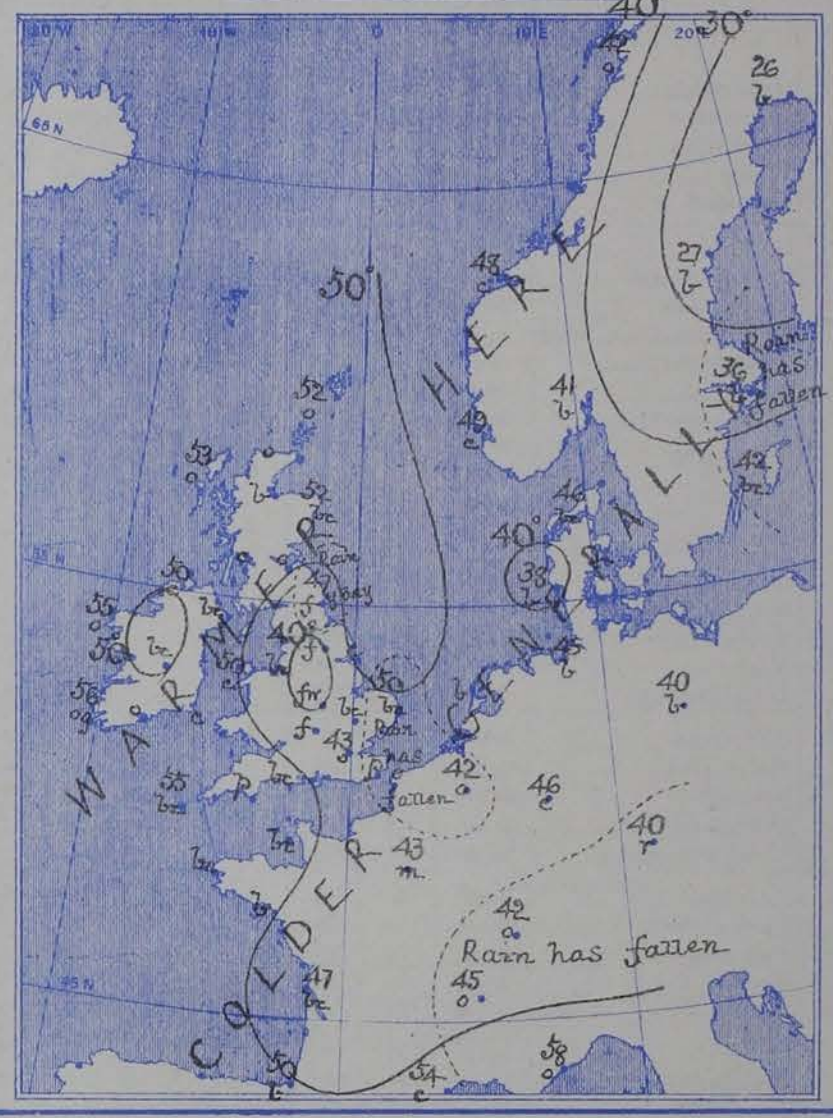


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92. 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. and upwards over Denmark and the S. of Scandinavia; 30.0 ins. and upwards in an anticyclone extending from N.W. Europe over the North Sea, England, the Netherlands and the northern parts of France and Germany.
Lowest 29.7 ins. and less in a depression over the Gulf of Genoa, 30.1 ins. and less in another disturbance off our own extreme N.W. coasts.
Gradients moderate to rather steep over the W. and N. of our Islands and the N.W. parts of the North Sea, as well as in the S. of France, slight elsewhere. Barometer falling in the W. & N. of our Islands & the W. and S. of France, but rising elsewhere.

TEMPERATURE

Highest (1) 64° at Lisbon, 58° at Nice, and 54° at Perpignan; (2) 56° at Valencia (Ireland), and 55° at Falmouth, Scilly, Prawle Point and Jersey.
Lowest (1) 26° at Haparanda, 27° at Hernösand, 30° at Karlstad, and 36° at Stockholm; (2) 35° at Longborough, 40° at York.
The maxima registered yesterday were below 55° at some of our N.W. and central stations, and below 60° on all but our extreme S.W. coasts.

WIND

S. to S.W. (S.E. to S.W.) in the west and north of our islands, and fresh or strong in places; E. in the west of Norway.
Light to moderate from the N.E. or E. over England, the Netherlands, France and Germany; calm in Denmark; variable in Sweden.

WEATHER

Dull at many of the Irish and Scotch stations as well as in the S.W. parts of France and Germany, with rain at Munich.
Fine in most other parts of our area, but with fog over central England.
Showers fell yesterday in the E. and S.E. of England, and larger quantities of rain at some of the Continental stations. A solar halo was seen in the afternoon at Aberdeen.

SEA

High at Stornoway, and rather rough off the N. and N.E. of Scotland generally, as well as at the N. Foreland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions are now moving N.N.E. outside our W.- and N.- coasts, and increasing S. winds are probable in Ireland and Scotland, with some rain. Over England no important change is likely to occur at present.

FORECASTS

For the 24 hours ending at NOON on 6TH OCTOBER 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and SW. winds, strong; dull, some rain.
1 SCOTLAND EAST	S. winds, fresh or strong; fine at first, some rain later.
2 ENGLAND N.E.	S. and SE. winds, moderate; fair generally.
3 ENGLAND EAST	E. and NE. winds, light; fine generally, cold at night, with local fogs.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	

DISTRICTS.	FORECASTS.
6 SCOTLAND WEST	S. winds, increasing in force; dull, some rain.
7 ENGLAND N.W.	S. and SE. winds, freshening; fair at first, some rain later.
8 ENGLAND S.W.	
9 IRELAND NORTH	Same as No. 6.
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 ...	30·49	60	49	S	6	r	4	Valencia	30·42	59	54	S	2	bc	3
Sumburgh Head	30·37	51	47	WNW	1	o	2	Scilly	30·42	58	52	NNE	3	b	3
Stornoway	30·38	54	54	SW	4	o	5	Jersey	30·39	59	53	NNE	4	bc	3
Aberdeen	30·43	54	49	SE	2	bc	3	Hurst Castle ...	30·37	60	53	NNE	4	c	2
Shields	30·47	52	50	NNE	3	c	3	Dungeness ...	30·31	56	53	NNW	4	bc	2
Ardrossan	30·41	53	52	S	1	o	1	North Foreland	30·32	55	53	WNW	4	c	3
Malin Head ...	30·39	56	52	S	3	bc	1	London (Westminster)	30·36	53	50	NNW	4	o	*
Belmullet	30·39	58	54	SSW	3	o	*	Yarmouth ...	30·34	57	52	NE	4	cq	4
Holyhead	30·46	52	50	NNE	2	bc	1	Rochefort ...	30·26	61	57	NE	4	bc	*

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

Weather in morning fine over W^m. and N^m. Europe generally, but dull and showery in the NE. of England. Dull over Germany, Austria and Italy, with rain in several places; fine in the S. of Russia. Showers falling later at many stations in the E. and SE. of England, and larger quantities of rain over the S. of Sweden, Germany and the central and S^m. parts of France. Solar halo seen in afternoon at Aberdeen.

Temperature fallen in most places, - quickly over the central and southern parts of Russia. Morning readings highest 68° at Palermo, Constantinople and Algiers, 67° at Nemours, and 66° at Lisbon, Barcelona, Lesina and Gran; above 60° over S^m. Europe generally. Lowest 25° at Archangel, 30° at Moscow, and 32° at Haparanda and Helsingfors; below 40° over Sweden and Russia generally. Daily maxima below 55° at some of our own N^m. stations, and below 60° on all but our extreme SW. coasts, thermometer exceeding 65° in the S. of France, and reaching 73° at Nice.

Wind light from the S^nd. or SW.^nd. in the north of Ireland, and from the W^nd. in the N. of Scotland; moderate to fresh from the N^nd. over England, France and the Spanish peninsula. E.^ly or NE.^ly over Norway, Denmark and N. Germany, but W.^ly in south Germany. N.^ly or NW.^ly in Russia, calm in Austria; E.^ly or NE.^ly in the north of Italy, but S.^ly or SW.^ly in the south of that country. S.^ly winds setting in later over the whole of Ireland and Scotland, and increasing to a gale at night in the Hebrides.

Barometer highest 30.5 ins. and upwards in two areas, - one lying off the S. of Ireland and the other over the N. of Scandinavia, 30.3 ins. and upwards in an anticyclone covering the greater part of W^m. and N^m. Europe; 30.2 ins. and upwards in another system over the S. of Russia. Lowest 29.8 ins. and less in two depressions, - one lying over Italy and the neighbouring parts of the Mediterranean, and the other over the N^m. parts of Russia. W^m. anticyclone beginning to give way later and depression appearing off our own extreme W^m. 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 Wednesday, 6th October, 1897.

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.		Temperatures.			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 ...	30·31	35	NW	2	b	30·25	-·25	46	42	+20	SW	2	bc	6	b	*	46	23	-
	Hernösand ...	?	28	W	0	b	30·33	-·26	31	30	+14	W	0	b	*	b	*	43	21	-
	Stockholm ...	30·57	37	W	0	b	30·56	-·08	36	35	0	W	0	b	*	b	*	45	32	-
	Wisby	30·60	35	N	4	b	30·56	-·06	38	35	-4	ESE	4	bc	*	b	*	45	34	-
	Karlstad ...	30·56	40	W	0	b	30·50	-·16	39	37	+9	W	0	b	*	b	*	*	*	-
	Bodö	30·20	50	SW	7	0	30·19	-·13	50	48	+8	SW	8	0	5	0	*	52	32	-
	Christiansund ...	30·35	48	ESE	1	bc	30·26	-·13	48	42	0	E	4	bc	4	bc	*	54	43	-
	Skudesnaes ...	30·52	49	SSE	8	0	30·46	-·14	50	49	+1	S	8	7	5	0	*	50	46	*
	Færder (Christiania Fjord)																*			
	Skagen (The Scaw)	30·58	42	W	0	b	30·55	-·12	43	40	-3	WSW	1	bc	0	b	*	52	34	-
	Fanö	30·57	41	ENE	2	b	30·54	-·07	39	32	-5	W	0	b	*	b	*	55	32	-
	Sumburgh Head	30·11	52	S	5	0	30·20	·00	50	48	-2	WSW	2	b	5	0	*	54	47	0·08
	Stornoway ...	29.97	53	SW	8	r	30·18	+·11	49	49	-4	WSW	3	c	4	c,r	4·1	56	43	0·30
	Wick	30·13	51	SW	6	c	30·27	+·10	52	51	-1	SW	2	bc	1	c	*	58	41	-
	Nairn	30·11	56	WSW	4	c	30·28	+·05	48	45	-4	W	0	b	1	c	*	59	40	0·01
	Aberdeen ...	30·25	52	S	6	bcq	30·33	·00	47	45	-5	SW	1	bw	3	cq,bcq	4·3	53	41	-
British Islands.	Leith	30·26	54	WSW	2	0	30·34	-·01	48	47	-3	SW	1	m	*	0	*	61	46	-
	Shields	30·39	50	S	3	m	30·40	-·05	45	43	-2	SSW	3	0	2	c,m	*	56	43	-
	Spurn Head ...	30·46	53	SSE	3	c	30·50	+·05	54	49	+1	ESE	2	c	2	c	*	57	53	-
	York	30·43	50	E	3	bc	30·46	+·01	40	39	0	SSE	1	0	*	bc	4·6	57	36	-
	Loughborough ...	30·44	46	E	1	bc	30·49	·00	31	31	-4	W	0	bcm	*	m.bc.bf	*	58	30	-
	Ardrossan ...	30·21	55	SSE	4	om	30·33	+·04	48	47	-6	NE	1	bfw	1	cm.om	*	55	42	0·02
	Malin Head ...	30·15	48	WSW	4	c	30·30	+·14	48	47	-2	SSE	2	bm	1	c.r.c	*	56	45	0·12
	Belmullet ...	30·22	52	W	2	b	30·34	+·24	48	46	-7	W	2	c	*	r.b	*	57	43	0·11
	Donaghadee ...	30·25	54	SSW	6	c	30·36	+·06	46	46	-7	W	4	b	2	c	*	57	42	0·02
	Liverpool (Bidston)	30·40	49	SSE	2	bc	30·43	-·01	46	43	-1	SE	2	0	2	bc	*	56	45	-
	Holyhead ...	30·32	53	S	4	0q	30·38	+·01	52	50	+2	SSW	4	dq	3	c.0q	*	58	48	0·03
	Parsonstown ...	30·24	53	SE	1	0	30·34	+·08	49	49	0	W	0	0	*	0.0r	0·9	56	47	0·10
	Valencia ...	30·27	53	W	0	om	30·32	+·10	50	49	-6	ENE	1	0	2	omr.om	0·0	59	?38	0·11
	Roche's Point ...	30·30	57	SSW	4	0	30·35	+·04	56	54	0	SSW	4	c	4	c.0p	*	60	52	0·10
	Pembroke (St. Ann's Hd.)	30·34	56	S	4	0	30·40	+·04	54	51	0	SSE	3	bc	3	c,0	3·1	?58	52	-
	Scilly	30·34	55	SSE	2	c	30·35	+·02	55	50	0	SE	3	c	2	c	6·6	60	49	-
	Prawle Point ...	30·37	51	ENE	4	c	30·42	+·03	49	46	-6	NNE	4	c	3	c	*	56	44	-
	Jersey (St. Aubin's)	30·36	53	ENE	4	bcm	30·41	+·03	48	44	-7	ENE	3	bcm	3	bcm	*	57	41	-
	Hurst Castle ...	30·38	52	NE	2	bc	30·44	+·02	47	45	-5	NE	3	cm	2	c.bc	*	60	40	-
	Dungeness ...	30·36	52	NE	4	bc	30·43	+·02	49	46	0	ESE	4	c	3	bc	*	53	47	-
	North Foreland	30·43	52	NE	5	bc	30·46	+·01	51	46	-1	ENE	5	c	4	b.bc	*	54	49	-
	London (Brixton) ...	30·42	49	E	2	b	30·46	+·02	42	41	-1	SW	1	c	*	c,bc,bw	3·7	57	37	-
	Oxford	30·46	41	SE	1	b	30·48	+·01	40	39	-1	N	1	b	*	b	*	56	33	-
	Cambridge ...	30·45	46	E	1	b	30·49	+·01	41	41	-3	ENE	1	0	*	b.bw	5·6	55	36	-
	Yarmouth ...	30·43	52	E	4	bcv	30·45	·00	51	49	+1	E	4	bcv	4	bcv	*	54	49	-
Germany & Holland.	Cuxhaven ...	30·48	47	ENE	3	c	30·48	-·03	47	46	+2	NE	3	b	*	c	*	50	41	-
	Berlin	30·41	42	NE	4	b	30·43	-·01	39	36	-1	NE	4	0	*	b	*	48	36	-
	Wiesbaden ...	*	*	*	*	*	30·31	+·06	38	34	-8	NE	4	b	*	*	*	50	37	-
	Munich	30·13	37	NE	7	r	30·13	+·07	32	32	-8	NE	2	s	*	r	*	45	32	0·20
	The Helder ...	30·45	50	E	4	b	30·48	·00	46	43	-1	E	1	b	1	b	*	52	45	-
Belgium. France &	Brussels ...	*	*	*	*	*	30·43	+·03	37	36	-5	ENE	4	b	*	b	*	53	33	-
	Cape Gris Nez ...	30·33	49	ESE	3	bc	30·38	+·03	41	38	-3	ESE	3	bc	3	bc	*	54	37	-
	Paris	30·28	46	NNE	2	b	30·36	+·07	34	33	-9	N	3	b	*	b	*	55	34	-
	Brest	30·34	52	ENE	1	bc	30·36	+·04	48	45	-1	SE	1	b	1	bc	*	63	39	-
	Lorient	?	53	?	3	bc	30·36	+·05	44	43	-6	NE	4	b	3	bc	*	63	43	-
	Rochefort ...	30·22	50	E	5	c	30·26	+·06	41	40	-6	ENE	5	b	*	c	*	57	39	-
	Belfort	30·10	42	NE	8	0	30·15	+·11	37	36	-5	NE	6	0	*	0	*	48	37	-
	Lyons	29.99	45	N	6	0	30·08	+·08	39	36	-6	N	4	bc	*	0	*	49	39	-
	Nice																*			
	Perpignan ...	29.98	52	NW	6	0	29.99	+·04	50	43	-4	NW	7	b	*	0	*	60	44	-
	Biarritz ...	30·16	57	N	4	c	30·22	+·07	44	41	-6	ESE	4	bc	?	c	*	?	?	?
Peninsula.	Corunna ...																*			
	Lisbon	30·08	67	W	0	b	30·09	·00	59	52	-5	NNE	3	b	*	b	*	79	55	-
	Azores (P. Delgada)	30·13	68	SSE	3	bc	30·05	-·09	68	65	+3	ESE	3	0	3	bc	*	73	65	-

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

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

Bright Sunshine yesterday Southport 5·1 hrs;

WEATHER CHARTS

FOR Wednesday, 6th October, 1897.

BAROMETER, WIND AND SEA.

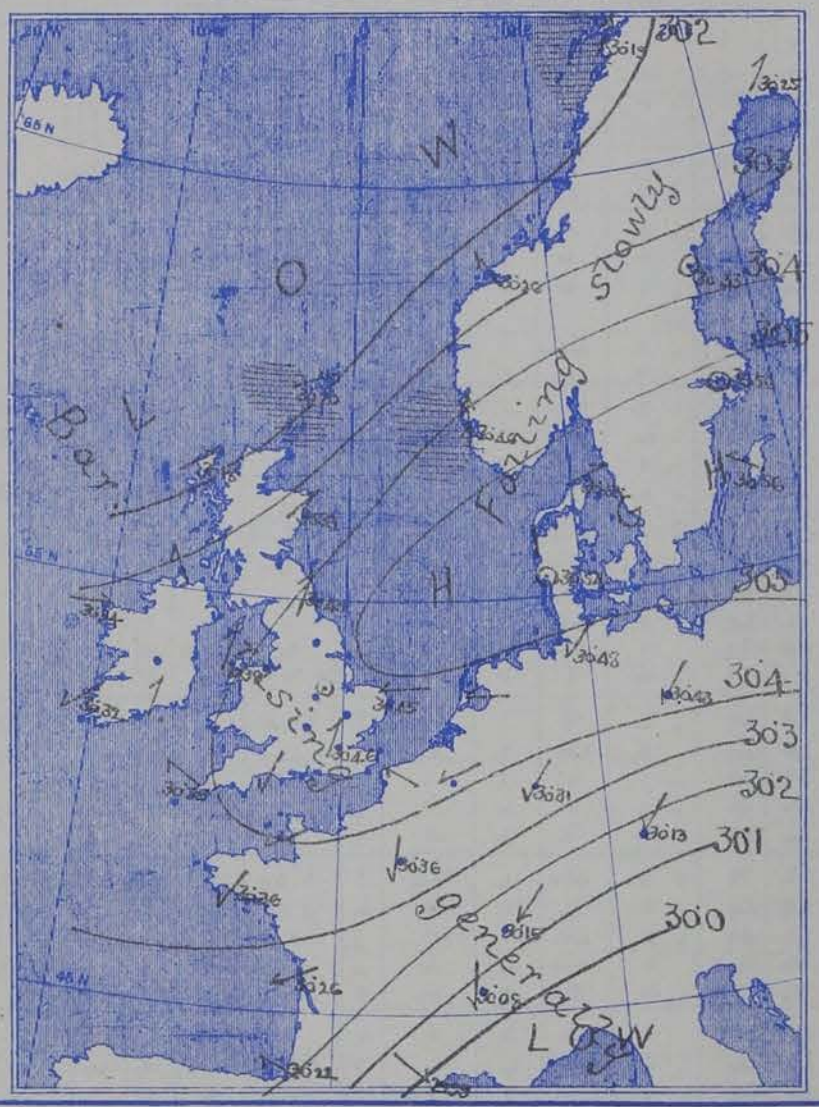
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

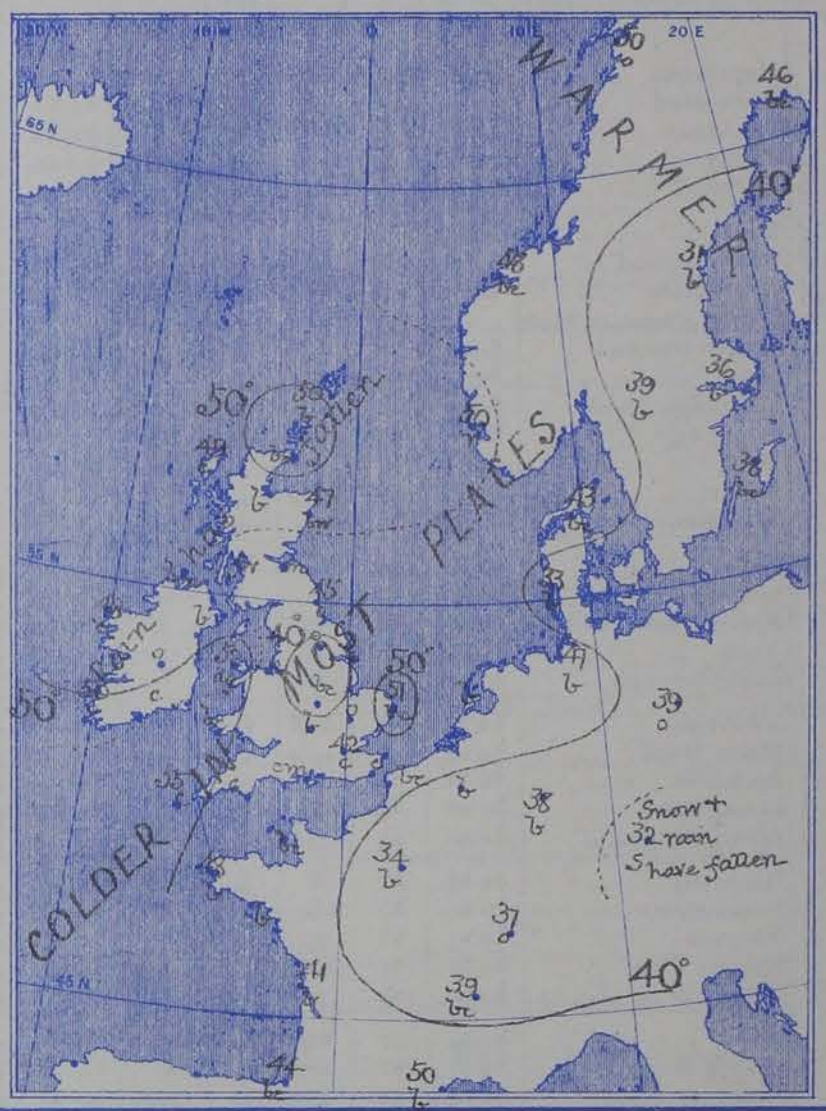


TEMPERATURE & WEATHER.

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 OCTOBER.*

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 in: and upwards over Denmark, the south of Sweden, and the southern part of the North Sea; 30·3 in: and upwards in an anticyclone embracing a considerable portion of northwestern Europe.
Lowest, 30·0 in: and less, in the south of France; 30·2 in: and less in a large area lying to the northward of our Islands.
Gradients slight generally, but moderate over the extreme northern and southern parts of our area.
Barometer rising at all but the Scandinavian and Danish stations.

TEMPERATURE

Highest, (1) 59° at Lisbon and 50° at Perpignan; (2) 56° at Rochebrune, 55° at Scilly, and 54° at Pembroke and Lynn Head.
Lowest (1) 31° at Loughborough and 40° at York and Oxford; (2) 31° at Hernösand, 33° at Paris and 36° at Stockholm (3) 32° at Munich and 34° at Paris.
Grounds frost occurred last night over the inland parts of England; at Loughborough the thermometer on the grass fell to 25°, at Oxford to 28° and in London to 30°.

WIND

Light to fresh from the NE.ly or E.ly over the south and east of England, and also over the Netherlands, Germany, and the greater part of France.
Light from the SW.ly over the northern part of our Islands, strong to a gale from the same quarter or from S. in the west of Norway; calm or variable in Sweden and Denmark.

WEATHER

Fair or fine over Western Europe generally, but dull in the south of Ireland and the northern part of England and Wales, with drizzling rain at Holyhead. A solar halo is reported at Oxford.
Dull at some of the German and Eastern French stations, with snow at Munich.
Rain fell yesterday in Ireland and the west and north of Scotland, but the amounts were mostly slight.

SEA

Moderate to smooth generally, but rather rough off the Shetlands and the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off our northwest coasts has travelled away to the northward, and anticyclonic conditions have again set in over the whole kingdom. At present there are no indications of any decided change.

FORECASTS

For the 24 hours ending at NOON on 7TH OCTOBER. **1897.**

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW.ly winds, light or moderate; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S.ly and SE.ly winds, light; fair generally, but some mist or fog.
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Variable or E.ly airs; fair generally, but local fogs at night.
5	ENGLAND SOUTH	E.ly and NE.ly winds, light, fair generally, but local fogs.

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	S.ly winds, moderate; fair generally.
8	ENGLAND S.W.	S.ly winds, light or moderate; fair generally.
9	IRELAND NORTH	Variable breezes, finally S.ly; fair at first, some rain later.
10	IRELAND SOUTH	
	WARNINGS	At 10·30 am to districts 0, 1, 6, 7, 9 & 10 "Lower 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 ...	30·68	50	47	SSE.	8	o	5
Sumburgh Head	30·13	52	50	E	4	o	5
Stornoway	29·98	56	56	SW	8	e	9
Aberdeen	30·27	54	50	E	6	c q	6
Shields	30·40	54	49	E	4	c	2
Ardrossan	30·26	55	54	SSE.	4	cm	3
Malin Head ...	30·09	54	52	SSE.	7	c	3
Belmullet	30·11	52	51	WSW	5	r	*
Holyhead	30·34	57	51	E	4	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·22	57	54	S	4	o mr	4
Scilly	30·33	69	55	Sa	4	c	2
Jersey	30·35	56	51	ESE.	5	bc	4
Hurst Castle ...	30·38	56	51	ENE.	3	c	2
Dungeness ...	30·36	55	51	NE.	5	bc	4
North Foreland	30·41	54	48	NE.	5	b	4
London (Westminster)	30·41	55	48	ESE	3	c	*
Yarmouth ...	30·43	53	48	E.	4	bcv	4
Rochefort ...	30·21	53	?	E	5	c	*

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

Weather in morning fair or fine over western and northern Europe generally, but dull at several of the Irish and Scotch stations. Dull and unsettled over Austria, Italy, and the southern parts of France, Germany, and Russia, with rain at Munich, Leesina and Palermo, as well as at La Calle. Rain falling later over Ireland and the west and north of Scotland, but amounts mostly small.

Temperature risen over Ireland, Scotland, and the west of Norway, and also in the south of Russia, but fallen elsewhere. Morning readings highest 70° at Algiers, 69° at Malta, and 67° at Palermo and Athens; above 60° at the Mediterranean and Adriatic stations generally. Lowest (1) 26° at Haparanda, 27° at Hernösand, and 31° at Moscow and Cracow; (2) 35° at Loughborough and 40° at York. Rising during day to between 55° and 60° over our Islands generally and to 61° at Leith; exceeding 60° also in the west of France, and reaching 79° at Lisbon. Ground frost occurring at night over the inland parts of England.

Wind moderate to fresh from the NE^{ly} or E^{ly} over the south and east of England and the central and southern parts of the Continent generally, but rather variable over the Spanish Peninsula. Fresh to strong from the Sth on our own western and northern coasts; E^{ly} in the west of Norway. Light from the N^{ly} or NW^{ly} over the northern and central parts of Russia. Subsequently veering to the SW^{ly} over Ireland and Scotland, and increasing to a gale in the extreme north and northwest.

Barometer highest 30·6 in: and upwards over Denmark and the south of Scandinavia; 30·3 in: and upwards, in an anticyclone covering the whole of northern Europe, and extending southwestwards over the North Sea, England, and the north of France. Lowest 29·6 in: and less, in a well marked depression over Italy and the Adriatic; 30·1 in: and less, in another disturbance lying to the westward of our Islands. Latter disturbance subsequently moving northwards, and barometer rising on our 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 Thursday, 7th October, 1897.

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 ...	30·18	44	W	4	b	30·10	−·15	45	42	− 1	SW	4	b	5	b	*	46	34	—
	Hernösand ...	30·32	34	Z	0	b	30·23	−·10	32	32	+ 1	Z	0	f	*	b	*	46	23	—
	Stockholm ...	30·47	36	Z	0	b	30·35	−·21	39	37	+ 3	S	2	0	*	b	*	46	32	—
	Wisby	30·48	40	S	4	c	30·38	−·18	41	37	+ 3	S	4	0	*	c	*	46	36	—
	Karlstad ...	30·38	38	SW	2	b	30·27	−·23	33	32	− 6	N	2	f	*	b	*	*	*	—
	Bodö	30·08	50	SW	6	0	2995	−·24	49	46	− 1	SW	8	0	5	0	*	50	46	0·12
	Christiansund ...	30·21	50	SW	4	c	30·13	−·13	50	49	+ 2	SW	4	0	3	c	*	54	48	—
	Skudesnaes ...	30·39	50	SSW	4	0	30·30	−·16	52	50	+ 2	SSW	4	0	3	0	*	54	46	*
	Færder (Christiania Fjord)	30·37	52	WSW	2	b	30·25	−·24	48	46	+ 5	W	2	0	2	b	*	52	43	—
	Skagen (The Scaw)	30·41	46	WSW	1	bc	30·29	−·26	46	44	+ 3	WSW	3	c	0	bc	*	52	41	0·08
	Fanö	30·45	38	Z	0	b	30·39	−·15	42	41	+ 9	Z	0	c	*	b	*	54	33	—
	Sumburgh Head	30·20	51	SW	2	0	30·12	−·08	50	48	0	SW	1	b	4	c,0	*	55	48	0·02
	Stornoway ...	30·21	52	WSW	3	0	30·11	−·07	52	52	+ 3	SW	3	0	3	0	1·0	53	47	0·02
	Wick	30·33	52	NW	2	b	30·17	−·10	49	48	− 3	W	2	bc	1	b	*	55	43	—
	Nairn	30·28	52	W	2	c	30·18	−·10	48	46	0	SW	1	b	1	c	*	59	42	—
	Aberdeen ...	30·30	50	WSW	2	bcnw	30·23	−·10	46	43	− 1	W	1	bcnw	1	b,bcnw	8·6	60	39	—
	Leith	30·32	50	SW	1	c	30·24	−·10	48	47	0	W	1	m	*	c	*	58	41	—
	Shields	30·38	49	SSW	2	op	30·31	−·09	52	49	+ 7	SW	3	c	2	op	*	52	44	0·04
	Spurn Head ...	30·43	48	S	3	c	30·39	−·11	47	44	− 7	WSW	4	0	1	c,r	*	56	45	0·02
	York	30·41	51	S	1	0g	30·37	−·09	45	44	+ 5	SSW	1	0gp	*	0g	0·0	54	38	0·06
	Loughborough ...	30·45	43	SE	1	b	30·43	−·06	37	36	+ 6	SE	1	bmw	*	fem. bm	*	59	31	—
	Ardrossan ...	30·32	51	SSW	1	0	30·25	−·08	52	50	+ 4	WSW	2	c	2	b,0	*	?	45	—
	Malin Head ...	30·30	51	N	1	bc	30·19	−·11	48	47	0	S	2	0g	2	0,bc	*	56	45	—
	Belmullet ...	30·32	53	W	1	bc	30·25	−·09	51	50	+ 3	S	2	c	*	c,bc	*	57	48	0·02
	Donaghadee ...	30·34	53	SW	3	c	30·30	−·06	52	51	+ 6	WSW	4	r	2	c	*	57	44	0·02
	Liverpool (Bidston)	30·41	51	SE	1	0	30·38	−·05	48	43	+ 2	SE	2	b	1	0gm	*	53	43	—
	Holyhead ...	30·38	54	SSW	2	c	30·35	−·03	53	50	+ 1	SW	2	c	1	cm,c	*	57	50	0·01
	Parsonstown ...	30·33	53	W	1	0	30·32	−·02	49	48	0	Z	0	c	*	cr,c	0·1	57	44	0·13
	Valencia ...	30·32	55	S	1	rm	30·30	−·02	55	53	+ 5	SSE	3	0	3	r,rm	0·2	57	48	0·28
	Roche's Point ..	30·38	54	SSW	3	c	30·35	·00	54	51	− 2	WSW	2	b	3	c	*	60	52	—
	Pembroke (St. Ann's Hd.)	30·41	56	S	2	b	30·39	−·01	54	50	0	SW	4	0	4	b	7·7	57	48	—
	Scilly	30·39	54	S	1	c	30·36	+·01	54	50	− 1	SE	3	bc	0	c	6·6	60	50	—
	Prawle Point ...	30·42	50	ENE	2	b	30·41	−·01	51	47	+ 2	E	2	c	2	b,c	*	56	44	—
	Jersey (St. Aubin's)	30·39	52	ENE	4	b	30·44	+·03	49	44	+ 1	ESE	4	bc	3	b,bm	*	56	43	—
	Hurst Castle ...	30·42	52	NNE	2	cm	30·43	−·01	46	44	− 1	NE	2	cm	2	cm	*	56	38	—
	Dungeness ...	30·40	50	NE	5	c	30·47	+·04	48	46	− 1	NNW	2	c	2	bc,c	*	54	43	—
	North Foreland	30·45	50	NE	4	c	30·43	−·03	49	47	− 2	SW	2	bc	2	bc,c	*	53	44	—
	London (Brixton) ...	30·45	46	ENE	2	c	30·45	−·01	37	37	− 5	S	1	bcmw	*	gf,bc,bw	1·1	55	33	—
	Oxford	30·46	42	E	1	b	30·46	−·02	33	33	− 7	Z	0	bf	*	b,bf	*	56	32	—
	Cambridge ...	30·46	45	ESE	1	b	30·46	−·03	34	33	− 7	ESE	1	bcm	*	0,b	1·1	57	31	—
	Yarmouth ...	30·45	50	E	3	bv	30·42	−·03	42	40	− 9	Z	0	bm	2	bv	*	53	40	—
Germany & Holland.	Cuxhaven ...	30·42	47	NE	3	b	30·36	−·12	43	42	− 4	Z	0	b	*	b	*	50	37	—
	Berlin	30·39	41	NE	3	0	30·38	−·05	40	35	+ 1	NW	3	c	*	0	*	45	36	—
	Wiesbaden ...	*	*	*	*	*	30·34	+·03	40	36	+ 2	NE	2	0	*	*	*	46	38	—
	Munich... ..	30·25	32	E	3	s	30·28	+·15	31	31	− 1	NE	3	s	*	s	*	34	30	0·24
	The Helder ...	30·48	49	E	3	b	30·43	−·05	42	40	− 4	S	1	b	1	b	*	50	39	—
France & Belgium.	Brussels ...	*	*	*	*	*	30·45	+·02	37	36	0	ENE	1	b	*	c	*	50	36	—
	Cape Gris Nez...	30·37	45	E	3	bc	30·38	·00	43	41	+ 2	SE	1	bc	1	bc	*	52	37	—
	Paris	30·35	44	NNW	2	b	30·38	+·02	32	31	− 2	NNE	2	b	*	b	*	51	30	—
	Brest	30·35	52	ENE	2	b	30·36	·00	42	41	− 6	E	1	b	1	b	*	59	39	—
	Lorient... ...	30·34	52	NE	4	b	30·36	·00	42	41	− 2	NE	4	b	3	b	*	60	39	—
	Rochefort ...	30·20	45	NE	4	b	30·29	+·03	38	37	− 3	ENE	4	b	*	b	*	57	36	—
	Belfort	30·21	37	NE	5	0	30·26	+·11	34	31	− 3	NE	2	c	*	0	*	43	30	—
	Lyons	30·15	41	N	3	0	30·23	+·15	34	32	− 5	N	3	b	*	0	*	48	32	—
	Nice																*			
	Perpignan ...	30·10	51	NW	4	b	30·12	+·13	48	40	− 2	?NW	5	b	*	b	*	57	46	—
	Biarritz ...	30·23	53	N	3	bv	30·24	+·02	41	38	− 3	E	3	b	1	bc	*	59	39	—
Peninsula.	Corunna ...																*			
	Lisbon	30·05	66	NE	2	b	30·06	−·03	62	48	+ 3	NNE	4	0	*	b	*	75	59	—
	Azores (P. Delgada)	2999	66	ENE	4	0	2993	−·12	65	61	− 3	ENE	3	c	4	0	*	72	64	0·16

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;

WEATHER CHARTS

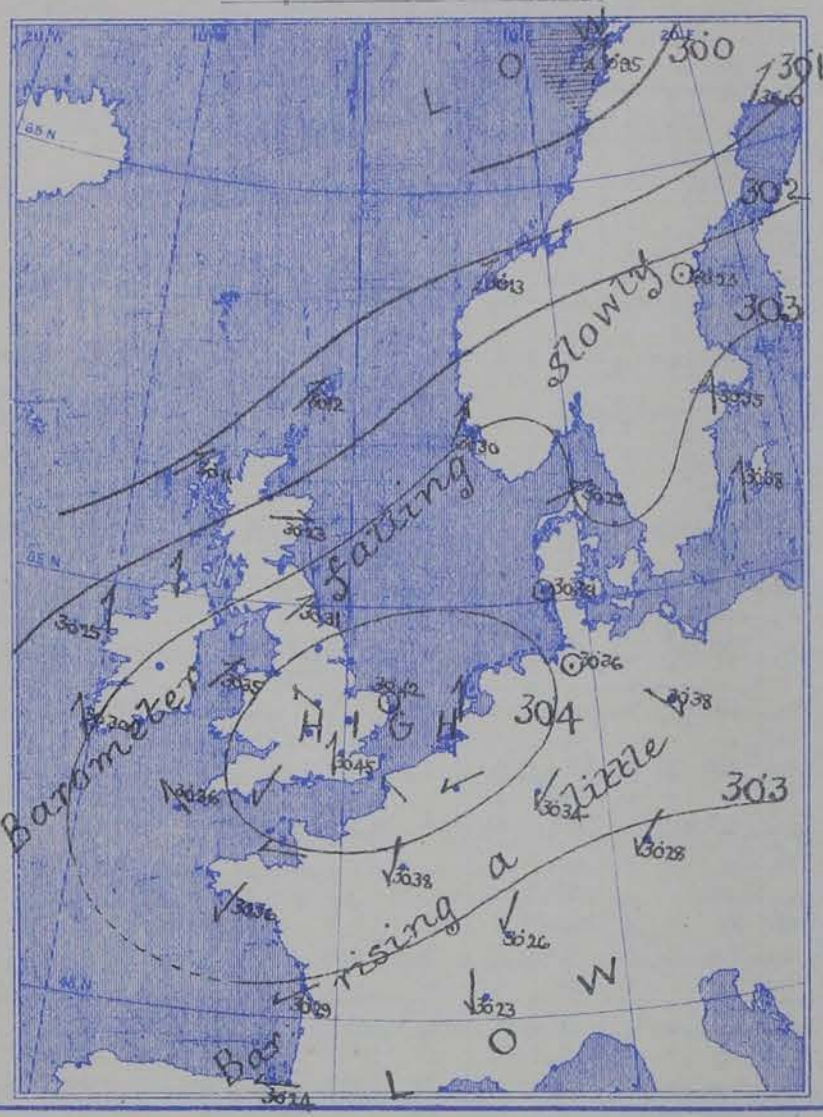
FOR Thursday, 7th October 1897.

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 OCTOBER.*

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1886, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards over the greater part of England, the Netherlands and the N. of France; 30.2 ins. and upwards in an anticyclone covering all but the extreme Nn. and Sn. parts of our area.
Lowest 30.0 ins. and less in a depression lying off the NW. of Norway.
Gradients slight. Barometer rising in France and S. Germany, and steady in the SE. of England, but falling elsewhere.

TEMPERATURE

Highest 55° at Valencia (Ireland), 54° at Rocket's Pt., Pembroke and Scilly, 53° at Holyhead, and 52° at Shudesnaes, Stornoway, Shields and Donaghadee.
Lowest (1) 31° at Munich, 32° at Paris, and 34° at Belfort and Lyons; (2) 32° at Herrösand, and 33° at Karlstad; (3) 33° at Oxford, and 34° at Cambridge.
Frost occurred last night over the inland parts of England, in London the thermometer on the grass fell to 27°, and at Oxford to 28°.

WIND

S. or SW. over all the more northern parts of our islands and also in Scandinavia; light to moderate in force generally, but blowing a gale at Bodö.
Light to moderate from the Ewd. or NEnd. over the English Channel, France, Belgium and the southern parts of Germany.

WEATHER

Fair or fine over Wn. Europe as a whole, but cloudy over the extreme Nn. parts of Ireland and England, with rain at Donaghadee, and passing showers at York. Fog or mist was reported over the SEn. parts of England.
Dull in the W. of Norway, and also in the Sn. parts of Germany, with snow at Munich.
A little rain fell yesterday in Ireland the NE. of England, and the extreme N. of Scotland.
Solar and lunar halos were seen at some of the English stations.

SEA

Slight to smooth generally, but rather rough at Bodö.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is now moving slowly southwards, and SW. winds seem likely to extend shortly over the entire Kingdom. There are at present no signs of any very decided change in the weather.

FORECASTS

For the 24 hours ending at NOON on 8TH. OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW. winds, freshening; fine at first, some rain later.
1	SCOTLAND EAST	SW. winds, light or moderate; fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	Variable breezes, finally SW.; fair generally, cold at night, with local fogs.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S. winds, light; fair generally, but local fogs.
9	IRELAND NORTH	S. and SW. winds, moderate; fair generally.
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 ...	30·39	53	51	S	6	o	4
Sumburgh Head	30·23	53	50	SW	2	c	4
Stornoway	30·21	63	53	SW	3	o	4
Aberdeen	30·30	57	50	S	2	b	2
Shields	30·39	50	48	SSW	3	op	2
Ardrossan	30·32	?	?	SSW	1	b	1
Malin Head ...	30·31	54	52	SSE	2	o	2
Belmullet	30·33	57	51	W	1	c	*
Holyhead	30·39	53	50	SSW	4	cm	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·31	55	54	SSW	3	r	3
Scilly	30·37	58	53	SSE	2	c	2
Jersey	30·39	55	49	NE	5	b	4
Hurst Castle ...	30·42	55	48	E	2	cm	2
Dungeness ...	30·39	52	47	ENE	5	bc	4
North Foreland	30·46	51	45	ENE	5	bc	4
London (Westminster)	30·44	54	46	ENE	2	c	*
Yarmouth ...	30·45	52	49	ESE	3	bv	3
Rochefort ...	30·24	55	46	NE	4	b	*

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

Weather in morning fair or fine over W^m and N^m Europe as a whole, but dull in the S. of Ireland and the N^w. parts of England and Wales, with drizzling rain at Holyhead. Dull and unsettled over Italy, with rain at Pesaro; rain and snow falling in Austria and the S^w. parts of Germany and Russia. A little rain falling later in Ireland and the S^w. parts both of England and Scotland; solar and lunar halos seen at several of the English stations.

Temperature fallen generally. Morning reading highest 67° at Cran and Algiers, 65° at Malta, and 63° at Palma, La Calle and Spa. Lowest (1) 31° at Loughborough, and 40° at York and Oxford; (2) 31° at Hernösand and Knopio; (3) 32° at Munich, Lemberg and Kiev; below 40° over N^w, central and E^n. Europe generally, but ranging between 48° and 50° along the W. coasts of Norway. Rising during day to 55° and upwards in most parts of the United Kingdom and reaching 60° at Aberdeen, Roche's Pt. and Scilly; remaining considerably below 50° in Germany and the E. of France, and not exceeding 34° at Munich. Sharp frost occurring over the inland parts of England at night.

Wind light to fresh from the E^nd or NE^nd over the south and east of England, and also over nearly all the more central, eastern and southern parts of the Continent, but strong from the NW^nd in the south of France, and moderate from the W^nd or SW^nd over the southern parts of Italy. S^ly or SW^ly over the northern parts of our Islands, and also in Scandinavia and N^m Russia; light or moderate in force generally, but blowing a gale at Bodö. No important change occurring over W^m Europe during day.

Barometer highest 30.6 ins. and upwards over the Gulf of Finland and the neighbouring provinces; 30.3 ins. and upwards in an anticyclone embracing the greater part of N^w and NW^m Europe. Lowest 29.5 ins. and less in a depression having its centre over central Italy; 30.2 ins. and less in a large area lying to the N. of our Islands. Scarcely any change occurring over W^m Europe 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.

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DAILY WEATHER REPORT

for 8 a.m. on Friday 8th October, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...														#		#			
	Hernösand ...	30·19	33	Z	0	o	30·06	−·17	36	35	+ 4	Z	0	o	#	o	#	37	25	—
	Stockholm ...	30·21	43	Z	0	o	30·10	−·25	44	43	+ 5	WSW	2	o	#	o	#	48	34	—
	Wisby	30·27	39	S	4	b	30·17	−·21	45	44	+ 4	W	4	o	#	b	#	45	37	—
	Karlstad ...	30·19	35	W	2	f	30·10	−·17	39	38	+ 6	?	2	o	#	f	#	#	#	—
	Bodö	30·31	48	SW	4	o	29·84	−·11	49	44	0	S	2	o	1	o	#	50	43	0·32
	Christiansund ...	30·08	51	Z	0	b	29·81	−·32	48	45	− 2	SSE	2	c	3	b	#	54	45	—
	Skudesnaes ...	30·18	51	W	2	c	30·02	−·28	53	52	+ 1	S	8	c	4	o.c	#	54	48	#
	Faerder (Christiania Fjord)	30·17	53	W	4	b	30·08	−·17	41	41	− 7	Z	o	f	2	b	#	53	41	—
	Skagen (The Scaw)	30·24	48	WSW	1	bc	30·12	−·17	45	45	− 1	WSW	1	f	0	bc	#	54	43	—
	Fanö	30·29	50	SSW	2	c	30·19	−·20	50	49	+ 8	SW	1	c	#	c	#	54	41	0·16
British Islands.	Sumburgh Head	30·01	51	SW	1	c	29·64	−·48	47	45	− 3	WSW	3	r	4	c	#	53	46	0·12
	Stornoway ...	29·97	52	SW	4	o	29·76	−·35	47	47	− 5	W	3	o	4	o	1·2	55	44	0·11
	Wick	30·07	53	SW	3	c	29·75	−·42	49	47	o	SW	2	c	2	c.p	#	51	47	0·37
	Nairn	30·08	49	Z	o	c	29·80	−·38	48	47	o	W	1	o	1	c	#	60	45	0·08
	Aberdeen ...	30·12	48	SW	1	bmr	29·82	−·41	51	49	+ 5	SW	4	cq	3	b.bmw	7·9	61	46	0·14
	Leith	30·17	54	W	3	c	29·91	−·33	53	50	+ 5	SSW	5	o	#	c	#	59	46	—
	Shields	30·25	55	SW	1	bc	30·04	−·27	48	47	− 4	SSW	3	o	2	c.bc	#	59	47	—
	Spurn Head ...	30·30	51	S	3	b	30·20	−·19	49	47	+ 2	SW	4	c	2	b	#	56	45	—
	York	30·30	53	S	1	oq	30·15	−·22	47	44	+ 2	S	2	o	#	oq	0·0	57	41	—
	Loughborough ...	30·35	49	SW	2	b	30·25	−·18	45	43	+ 8	SSW	1	o	#	bcm.bc	#	59	37	—
	Ardrossan ...	30·17	54	SE	3	o	29·93	−·32	53	52	+ 1	SW	4	bc	3	o	#	54	51	0·04
	Malin Head ...	30·12	55	S	5	o	29·96	−·23	52	49	+ 4	WSW	5	bcp	3	o	#	56	48	0·05
	Belmullet ...	30·17	56	SSW	5	r	30·09	−·16	53	49	+ 2	WNW	2	c	#	o.r	#	58	49	0·04
	Donaghadee ...	30·23	53	WSW	3	bc	30·04	−·26	51	50	− 1	WSW	4	c	2	p.bc	#	58	49	0·03
	Liverpool (Bidston)	30·33	52	WSW	2	c	30·15	−·23	51	47	+ 3	SSW	3	o	2	c	#	58	48	—
	Holyhead ...	30·31	53	SW	3	b	30·12	−·23	53	51	o	SW	5	dw	4	bc.b	#	58	50	0·01
	Parsonstown ...	30·26	53	SE	1	b	30·13	−·19	52	50	+ 3	SW	1	o	#	b	7·0	61	46	—
	Valencia ...	30·26	53	S	1	bc	30·21	−·09	52	52	− 1	W	1	oq	2	bc	6·5	60	51	0·04
	Roche's Point ...	30·30	56	SW	3	c	30·20	−·15	55	53	+ 1	W	3	bcm	3	c	#	58	52	—
	Pembroke (St. Ann's Hd.)	30·35	54	WSW	4	c	30·23	−·16	54	51	o	WSW	4	oq	4	c	3·0	56	52	—
	Scilly	30·34	52	SSE	3	c	30·26	−·10	55	52	+ 1	WSW	4	c	2	bc.c	5·4	59	48	—
	Prawle Point ...	30·30	48	ESE	3	c	30·29	−·12	50	45	− 1	WSW	3	c	2	c	#	53	43	—
	Jersey (St. Aubin's)	30·38	52	ESE	3	b	30·34	−·10	52	47	+ 3	SE	2	cm	2	b	#	54	41	—
	Hurst Castle ...	30·39	51	WSW	1	c	30·30	−·13	53	47	+ 7	SSW	3	o	2	c	#	59	45	—
	Dungeness ...	30·39	51	ESE	1	bc	30·31	−·16	40	39	− 8	NNW	1	c	1	b.bc	#	57	36	—
	North Foreland	30·43	49	W	1	b	30·32	−·11	47	44	− 2	W	1	bm	1	b	#	53	40	—
	London (Brixton) ...	30·39	41	SW	1	bc	30·31	−·14	44	42	+ 7	SSW	1	o	#	f.b.bcm	5·4	56	35	—
	Oxford	30·38	46	SW	2	bc	30·29	−·17	44	42	+ 11	S	2	o	#	bc	#	56	33	—
	Cambridge ...	30·38	45	SW	1	b	30·29	−·17	43	42	+ 9	SW	1	o	#	b	8·3	57	32	—
	Yarmouth ...	30·36	52	SW	2	b	30·27	−·15	45	43	+ 3	SW	3	b	2	bv	#	54	40	—
Germany & Holland.	Cuxhaven ...	30·36	48	W	1	o	30·25	−·11	46	46	+ 3	WSW	2	r	#	o.r	#	57	43	0·39
	Berlin	30·35	45	NW	3	o	30·32	−·06	43	38	+ 3	NW	2	c	#	o	#	46	40	—
	Wiesbaden ...	#	#	#	#	#	30·34	·00	38	37	− 2	NE	2	bc	#	#	#	46	37	—
	Munich	30·34	33	Z	o	o	30·28	·00	33	32	+ 2	NE	3	o	#	o	#	34	31	0·04
	The Helder ...	30·38	49	WSW	1	o	30·27	−·16	51	47	+ 9	SW	3	o	2	o	#	53	42	—
Belgium.	Brussels ...	#	#	#	#	#	30·38	−·07	37	36	o	SW	1	f	#	b	#	50	32	—
	Cape Gris Nez ...	30·36	45	SE	1	bc	30·29	−·09	41	37	− 2	S	2	m	2	bc	#	55	37	—
	Paris	30·38	41	NNE	2	b	30·37	−·01	30	30	− 2	ENE	2	b	#	b	#	52	28	—
	Brest	30·34	51	S	1	bc	30·32	−·04	46	44	+ 4	E	1	bc	1	bc	#	55	37	—
	Lorient	30·36	50	ENE	1	b	30·33	−·03	44	42	+ 2	ENE	2	m	2	b	#	63	39	—
France &	Rochefort ...	30·27	48	ENE	4	bc	30·27	−·02	40	38	+ 2	E	3	b	#	b.bc	#	57	37	—
	Belfort	30·31	35	NE	3	o	30·26	·00	33	30	− 1	NE	4	bc	#	o	#	41	28	—
	Lyons	30·27	39	N	3	b	30·25	+·02	33	31	− 1	W	2	b	#	b	#	44	31	—
	Nice	29·94	53	Z	o	c	29·94		52	48		E	1	b	1	c	#	66	48	—
	Perpignan ...	30·13	51	NW	4	b	30·10	−·02	48	39	o	N	2	o	#	b	#	61	46	—
	Biarritz ...	30·20	54	Z	o	bc	30·21	−·03	40	37	− 1	ESE	3	b	1	bc	#	59	37	—
Peninsula.	Corunna ...														#		#			
	Lisbon	30·05	72	SW	2	o	30·10	+·04	68	53	+ 6	NNE	3	c	#	o	#	79	62	—
	Azores (P. Delgada)	29·88	65	ENE	4	o	29·76	−·17	67	61	+ 2	NE	5	o	5	o	#	70	64	—

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

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

Bright Sunshine yesterday Southport 6·8 hrs;

WEATHER CHARTS

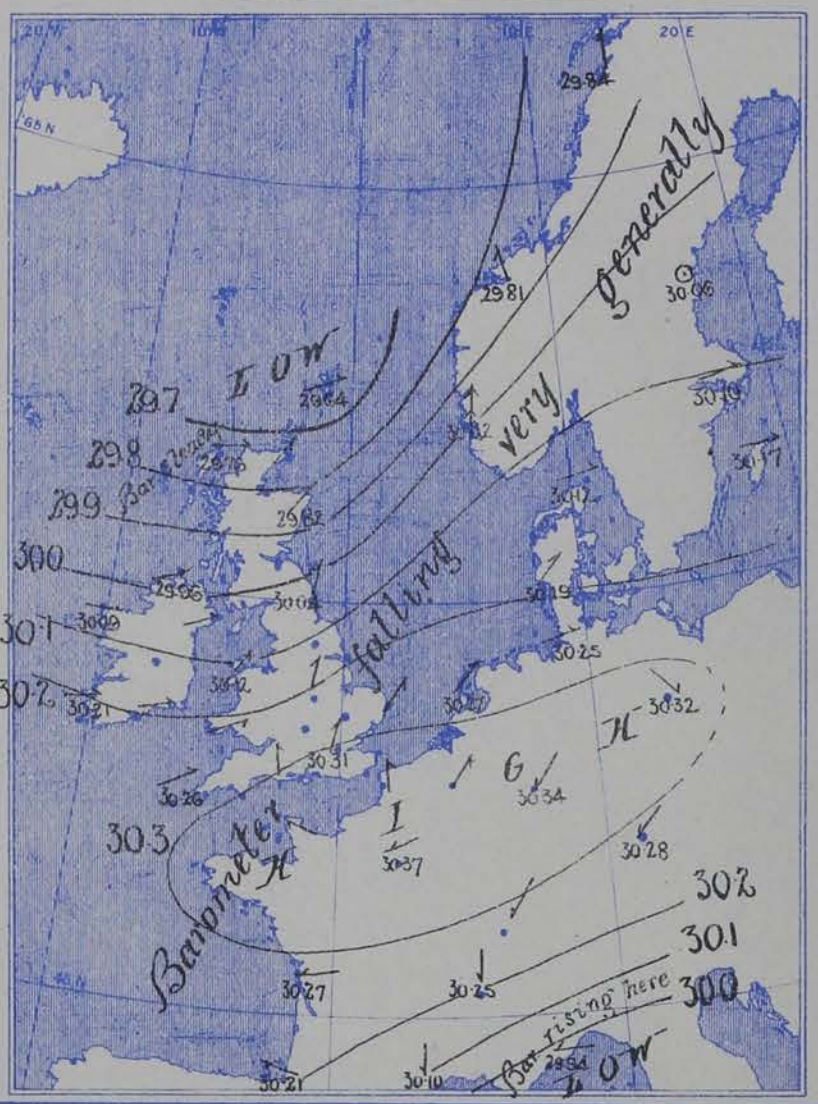
FOR FRIDAY, 8TH OCTOBER, 1897.

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* ⟶ ; }

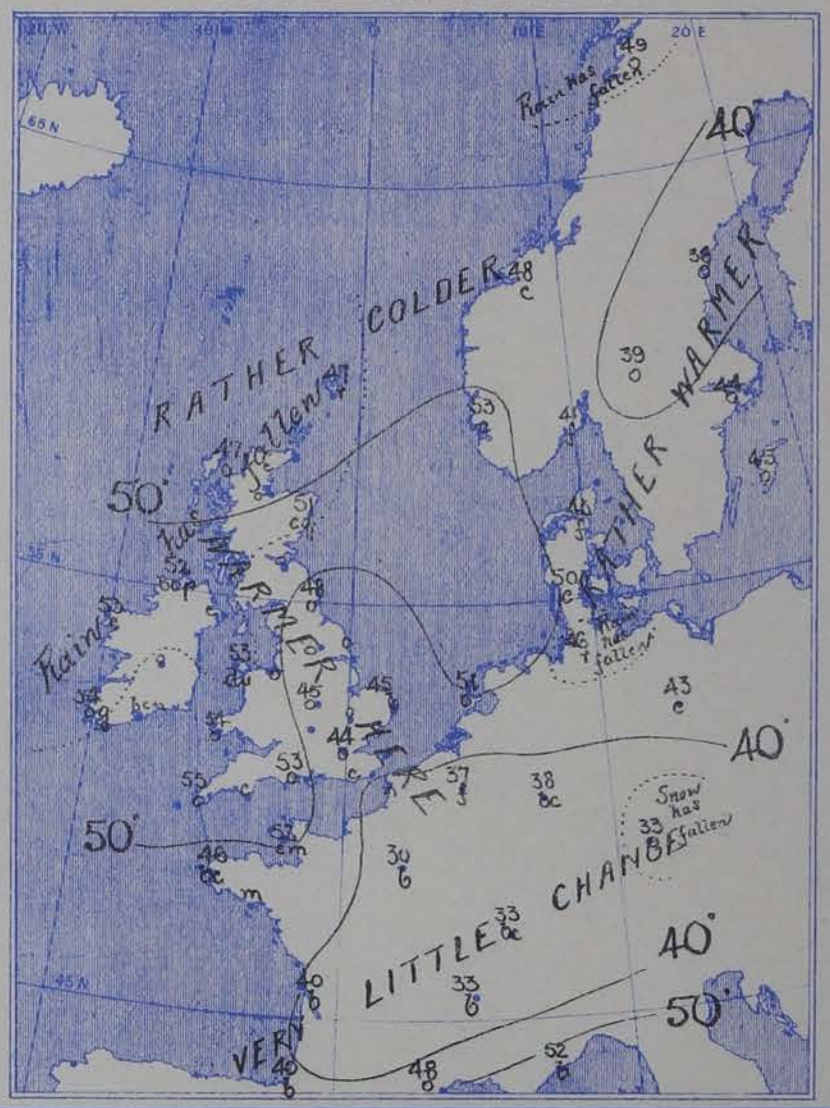
SEA—Rough ; *High*



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 OCTOBER.*

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and upwards in an anticyclone lying over Germany, the Netherlands, the N. of France and the extreme SE. of England.
Lowest 29.7 ins. and less in a depression lying off the N. of Scotland; 30.0 ins. and less in another disturbance over the Gulf of Genoa.
Gradients rather steep over the Nn. parts of the North Sea, but moderate or slight elsewhere.
Barometer falling in most places, but steady on our extreme NW. coasts.

TEMPERATURE

Highest (1) 68° at Lisbon, and 52° at Nice; (2) 55° at Roche's Pt. and Scilly, and 54° at Valencia (Ireland) and Pembroke.
Lowest (1) 30° at Paris, 33° at Belfort, Lyons and Munich, and 37° at Brussels; (2) 36° at Hernösand and 39° at Karlstad.
Frost occurred last night over the SErn. parts of England; in London the thermometer on the grass fell to 28°.

WIND

Light to fresh from the SWrly. over our islands generally and also over Denmark and the Netherlands, but Wly. on some parts of our own extreme western coasts; Sly. in the west of Norway, with a gale at Skudesnaes.
Light from the Ely. or NEly. over France and the southern parts of Germany.

WEATHER

Cloudy or dull over NWrn. Europe as a whole, with passing showers at some of our own NWrn. stations, and steady rain at Swinburgh Hd. and Cuckhaven.
Fine on the SE. coasts of England, and also over France.
Since yesterday morning rain has fallen on our NWrn. and extreme Nrn. coasts, but the amounts have been mostly slight. A solar halo was seen yesterday at Jersey.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone recently noticed over Wrn. Europe is gradually breaking up. In the course of the night a depression has skirted our extreme NW. coasts, and has occasioned very strong winds or gales in some parts of Scotland. Other disturbances are likely to advance shortly from the Atlantic, but for the present the weather over the SErn. parts of the Kingdom will probably remain fair.

FORECASTS

For the 24 hours ending at NOON on 9TH OCTOBER 1897.

DISTRICTS.	FORECASTS.
▼ 1 SCOTLAND NORTH	Wly. and SWly. winds, moderate to strong; dull, rain at times.
▼ 2 SCOTLAND EAST	SWly. winds, freshening; cloudy, unsettled, some rain.
2 ENGLAND N.E.	
3 ENGLAND EAST	SWly. winds, light or moderate; fair generally, warmer.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
▼ 6 SCOTLAND WEST	SWly. and Wly. winds, strong; squally, showery.
7 ENGLAND N.W.	Same as Nos. 1 and 2.
8 ENGLAND S.W.	SWly. and Wly. winds, freshening; fair generally.
▼ 9 IRELAND NORTH	Same as No. 6.
10 IRELAND SOUTH	Wly. to SWly. winds, freshening; fair at first, some rain later.
WARNINGS	At 7.15 pm. yesterday to districts 6 and 9 and parts of 1 and 2. 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 ...	30·22	54	52	S S W	2	o	3
Sumburgh Head	30·07	52	50	SW	1	c	4
Stornoway	30·07	54	54	SW	4	o	4
Aberdeen	30·16	56	49	S	2	b	1
Shields	30·27	58	52	SW	3	c	2
Ardrossan	30·20	54	52	WSW	3	c	2
Malin Head ...	30·17	55	54	WSW	3	c	2
Belmullet	30·21	57	55	S S W	3	o	*
Holyhead	30·34	57	52	SW	3	bc	2
Valencia	30·29	59	55	S	3	bc	4
Scilly	30·35	57	52	SSE	3	bc	1
Jersey	30·40	53	47	SE	4	bc	3
Hurst Castle ..	30·41	56	49	SSW	1	c	1
Dungeness ...	30·41	55	51	NE	1	b	0
North Foreland	30·33	53	48	W	2	b	2
London (Westminster)	30·41	55	47	W	2	b	*
Yarmouth ...	30·38	54	50	NSW	2	bv	2
Rochefort ..	30·28	55	49	E	4	b	*

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

Weather in morning fair or fine over W^m. and S^th. Europe generally, but cloudy and showery over the extreme N^th. parts of Ireland and England; fog or mist reported over the SE of England. Dull and unsettled over the N^th., central and E^th. countries, with rain at Buda Pesth, and snow at Riga, Munich and Vienna. Rain falling later in the NW. and extreme N. of our Islands, but amounts mostly small; solar halo seen at Jersey.

Temperature changed very irregularly. Morning readings highest 68° at Nemours, 67° at Algiers and Tunis, and 64° at San Fernando and Palermo. Lowest (1) 31° at Munich, 32° at Paris, Moscow and Hernösand, and 33° at Karlstad and S^t. Petersburg, Breslau and Munster; (2) 33° at Oxford, and 34° at Cambridge; below 40° over the central parts of England generally. Rising during day to between 55° and 60° in most parts of the United Kingdom, and to 61° at Aberdeen and Parsonstown, exceeding 60° also in the S. of France, and reaching 68° at Nice, and 79° at Lisbon. Ground frost occurring over the SE. of England at night.

Wind S^th. or SW^th. over all the more northern parts of our islands, and also in Scandinavia and northern Russia; light to moderate in force generally, but blowing a gale at Bodö. E^th. or NE^th. over the English Channel and also over France, Belgium and the southern parts of Germany; N^th. over the Spanish peninsula and NW^th. in the extreme S. of France. Calm or variable over Denmark and the Baltic; variable also over Italy. Subsequently increasing to a slight gale from the SW^nd. at some stations in the north and east of Scotland.

Barometer highest 30.51 ins. at S^t. Petersburg; 30.50 ins. at Moscow; 30.4 ins. and upwards over the central parts of Russia generally as well as in another area lying over the greater part of England, the Netherlands and the N. of France. Lowest 29.8 ins. and less in a depression over the S. of Italy and a considerable portion of SE^rn. Europe; 30.0 ins. and less in another disturbance off the NW. of Norway. New depression skirting our own extreme NW. coasts at night.

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, 9th October, 1897.

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	42	S	2	0	29.88	-.21	44	42	0	S	4	0	#	c	#	45	37	-
	Hernösand ...	29.89	44	S	4	c	29.86	-.20	46	45	+10	S	4	0	#	c	#	46	30	-
	Stockholm ...	30.04	43	S	2	b	29.97	-.13	44	43	0	SW	0	ʃ	#	b	#	50	43	-
	Wisby	30.10	45	S	4	b	30.02	-.15	45	44	0	SSW	4	b	#	b	#	50	37	-
	Karlstad ...														#		#	#	#	
	Bodö	29.65	58	E	2	b	29.64	-.20	45	41	-4	E	4	c	1	b	#	55	45	-
	Christiansund ...	29.58	50	SW	0	c	29.58	-.23	45	44	-3	ESE	1	b	4	c	#	52	45	-
	Skudesnaes ...	29.77	48	SW	6	r	29.80	-.22	48	46	-5	NW	4	c	4	r	#	54	43	#
	Færder (Christiania Fjord)	29.90	52	SW	4	b	29.94	-.34	50	49	+9	NNW	3	c	4	b	#	52	41	0.12
	Skagen (The Scaw)	29.98	51	NNW	3	c	29.83	-.29	49	48	+4	NNW	2	r	0	c	#	55	45	0.12
	Fanö	30.02	52	NW	6	bc	29.89	-.30	50	49	0	SW	4	r	#	bc	#	57	50	0.08
	Sumburgh Head	29.60	48	NNW	3	c	29.79	+.15	46	43	-1	NW	4	c	5	cp.c	#	53	41	0.12
	Stornoway ...	29.86	47	NW	5	0	30.00	+.24	47	47	0	W	3	0	3	p.c.0	5.9	52	43	0.05
	Wick	29.78	51	NW	5	c	29.93	+.18	47	46	-2	NW	3	c	2	c	#	54	41	0.05
	Nairn	29.87	48	W	2	c	30.00	+.20	48	45	0	NNW	3	c	2	c	#	53	43	0.02
	Aberdeen ...	29.87	48	W	3	b	30.01	+.19	47	43	-4	W	2	c	1	p.cg.b	4.5	58	39	0.03
	Leith	29.95	50	S	3	b	30.07	+.16	47	44	-6	W	1	0	#	b	#	58	43	0.01
	Shields	29.97	50	SW	2	bc	30.08	+.04	48	47	0	WSW	3	c	2	op.bc	#	56	40	-
	Spurn Head ...	30.01	49	SW	5	0	30.10	-.10	45	45	-4	NNW	4	c	2	0	#	52	45	-
	York	?30.01	51	W	2	cg	?30.11	-.04	42	40	-5	WNW	1	b	#	p.o	0.0	51	38	0.05
	Loughborough ...	30.10	49	NSW	3	0	30.15	-.10	47	46	+2	NNW	2	c	#	op.cm	#	53	44	0.01
British Islands.	Ardrossan ...	29.98	51	W	3	c	30.11	+.18	50	47	-3	W	3	c	2	c	#	54	48	0.06
	Malin Head ...	30.05	50	NSW	7	cpu	30.14	+.18	48	48	-4	NNW	4	bcp	4	o.cpu	#	53	48	0.04
	Belmullet ...	30.19	53	NW	4	0	30.25	+.16	53	49	0	NW	1	0	#	0	#	55	49	0.01
	Donaghadee ...	30.08	51	NNW	3	c	30.18	+.14	47	46	-4	W	4	c	2	c	#	56	45	0.01
	Liverpool (Bidston)	30.08	53	W	3	0	30.18	+.03	51	47	0	NNW	4	0	3	op	#	58	48	0.05
	Holyhead ...	30.10	53	NW	4	cp	30.20	+.08	51	49	-2	NW	4	bc	3	c	#	56	49	0.04
	Parsonstown ...	30.19	50	W	1	0	30.27	+.14	49	47	-3	W	1	0	#	c.op	2.5	58	47	-
	Valencia ...	30.25	54	NW	3	cm	30.32	+.11	52	50	-2	SW	0	0	1	c.cm	4.3	57	50	-
	Roche's Point ..	30.20	55	NW	3	c	30.31	+.11	51	49	-4	NNW	2	0	2	c	#	58	50	-
	Pembroke (St. Ann's Hd.)	30.15	57	NW	5	0	30.24	+.01	53	49	-1	NW	5	og	4	0	0.3	57	51	-
	Scilly	30.21	57	W	4	c	30.26	.00	55	49	0	NNW	3	c	2	c	1.9	60	49	-
	Prawle Point ...	30.18	54	W	4	0	30.25	-.04	50	48	0	NNW	2	c	2	og.c	#	55	48	-
	Jersey (St. Aubin's)	30.25	55	W	4	odm	30.23	-.11	55	50	+3	WNW	3	om	3	c.gp	#	57	50	0.09
	Hurst Castle ...	30.17	56	WSW	4	0	30.20	-.10	51	48	-2	NNW	2	ogm	1	0	#	57	49	-
	Dungeness ...	30.18	53	SW	3	0	30.14	-.17	49	48	+9	NW	3	om	2	c.o	#	56	39	-
	North Foreland	30.19	50	S	2	0	30.13	-.19	51	48	+4	NNW	3	c	2	c.o	#	55	47	0.05
	London (Brixton) ...	30.15	51	WSW	2	om	30.17	-.14	49	47	+5	NW	1	op	#	bc.opa.c	1.2	55	44	0.02
	Oxford	30.13	48	SW	1	0	30.19	-.10	48	46	+4	NNW	2	bc	#	bc.c.or	#	55	44	0.03
	Cambridge ...	30.13	50	SW	1	0	30.16	-.13	47	46	+4	W	1	ow	#	c.o	5.2	56	41	-
	Yarmouth ...	30.10	51	SW	3	c	30.09	-.18	47	45	+2	NNW	3	bm	3	b.c	#	54	42	-
Germany & Holland.	Cuxhaven ...	30.14	46	W	2	bc	30.01	-.24	41	41	-5	SSW	2	r	#	r.bc	#	52	39	0.16
	Berlin	30.20	47	W	3	0	30.12	-.20	45	43	+2	W	2	0	#	0	#	50	43	-
	Wiesbaden ...	#	#	#	#	#	30.20	-.14	37	35	-1	SE	2	bc	#	#	#	50	36	-
	Munich... ..	30.25	36	W	0	0	30.21	-.07	37	35	+4	SW	1	0	#	0	#	39	33	-
	The Helder ...	30.13	48	S	3	0	30.00	-.27	53	49	+2	NW	4	bc	2	0	#	54	46	0.16
Belgium.	Brussels ...	#	#	#	#	#	30.12	-.26	40	39	+3	SSW	1	0	#	0	#	50	37	0.08
	Cape Gris Nez...	?	52	WSW	4	0	30.09	-.20	50	48	+9	N	3	m	2	0	#	55	37	0.16
	Paris	30.28	37	NE	1	b	30.17	-.20	42	41	+12	S	2	m	#	b	#	51	30	-
	Brest	30.29	55	W	1	0	30.24	-.08	53	52	+7	N	2	c	1	0	#	59	41	-
	Lorient... ...	30.30	54	NNW	2	c	30.25	-.08	55	55	+11	NW	3	0	3	c	#	64	44	-
France &	Rochefort ...	30.24	50	NE	3	b	30.25	-.02	50	48	+10	SSE	3	0	#	b	#	61	37	-
	Belfort	30.23	39	NE	3	bc	30.23	-.03	31	30	-2	W	0	m	#	bc	#	46	27	-
	Lyons	30.25	41	N	1	b	30.27	+.02	34	33	+1	NNE	1	b	#	b	#	48	32	-
	Nice	29.95	54	W	0	0	29.98	+.04	50	48	-2	E	2	bc	1	0	#	59	48	-
	Perpignan ...	30.11	54	NW	3	b	30.16	+.06	51	40	+3	N	2	b	#	b	#	65	48	-
	Biarritz ...	30.24	52	NW	2	b	30.25	+.04	45	41	+5	S	3	b	2	b	#	59	40	-
Peninsula.	Corunna ...																#			
	Lisbon	30.08	73	N	4	b	30.12	+.02	66	47	-2	NNE	4	b	#	b	#	81	63	-
	Azores (P. Delgada)	29.76	70	NE	4	bc	29.70	-.06	70	67	+3	E	4	bc	6	bc	#	73	66	0.04

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

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

Bright Sunshine yesterday Southport 0.1 hrs;

WEATHER CHARTS

FOR ..... Saturday, 9th October, ... 1897.

BAROMETER, WIND AND SEA.

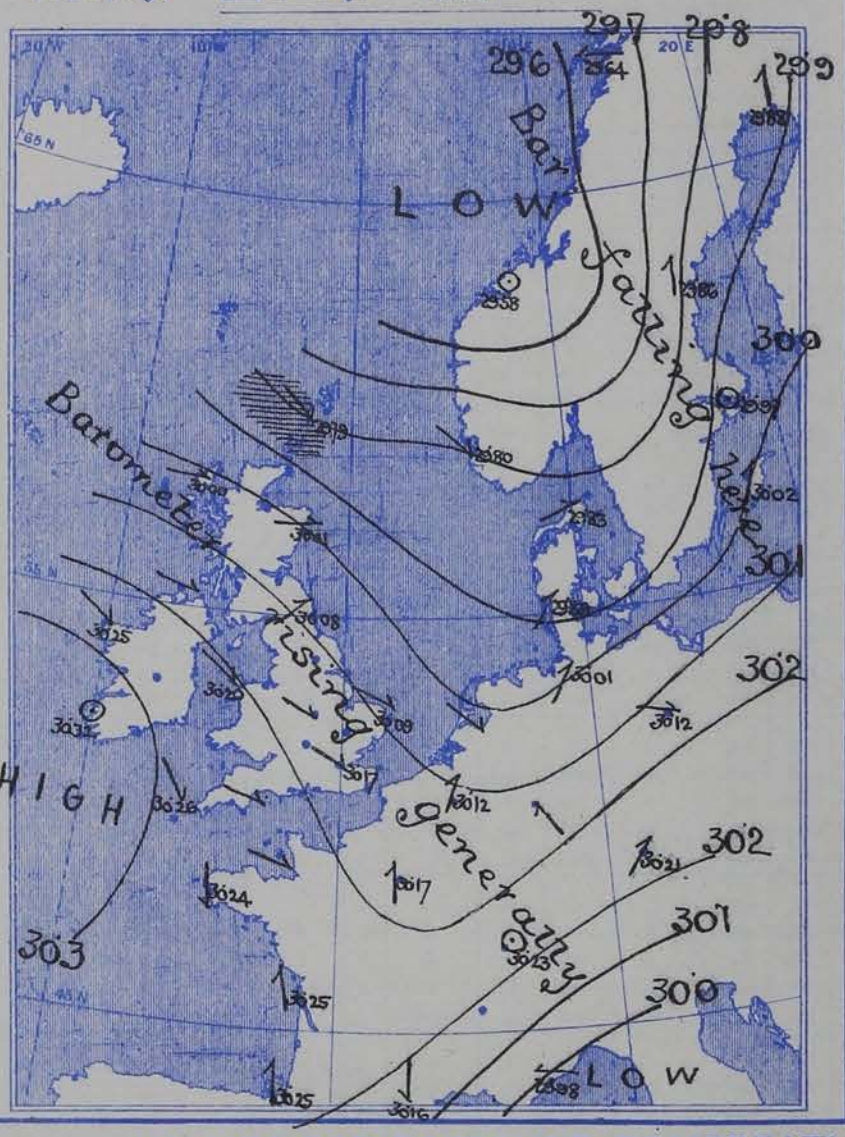
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

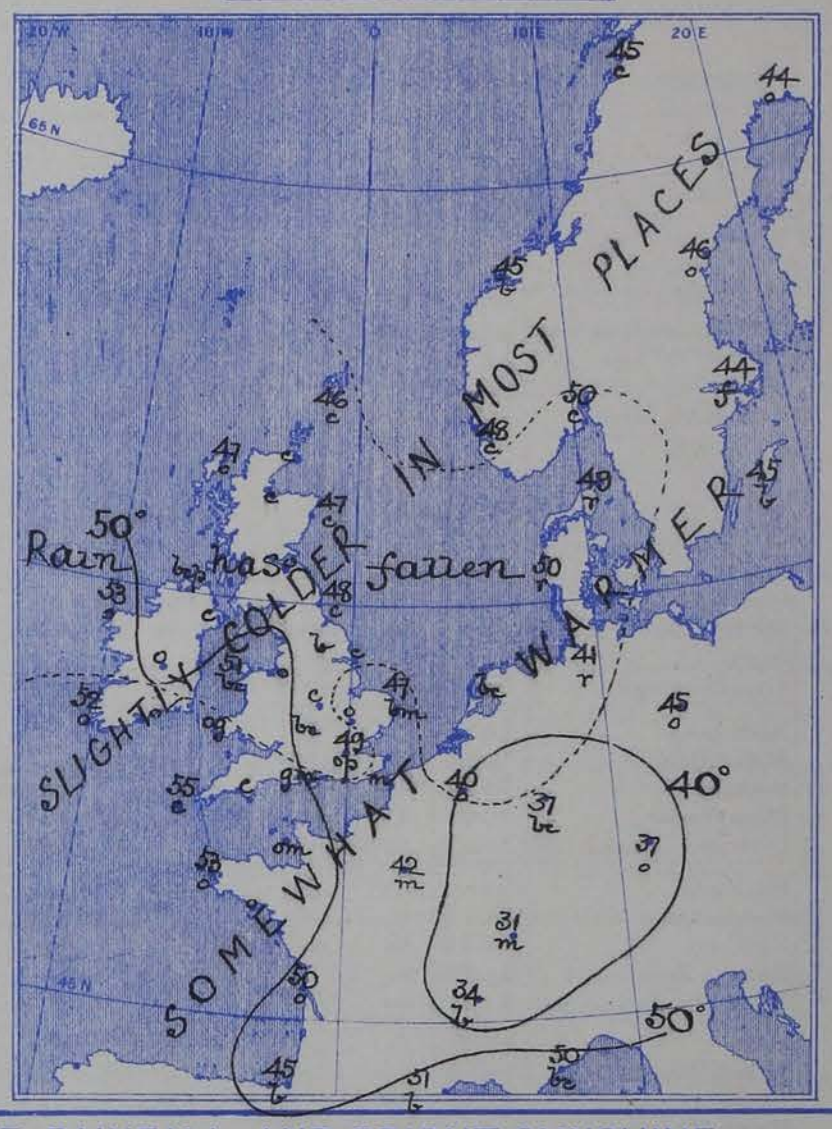


TEMPERATURE & WEATHER.

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 OCTOBER.*

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92. 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	--	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77. 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards in an anticyclone extending from the Atlantic and the south of Ireland.
Lowest, 29·6 in: and less, in a depression lying off the west of Norway; 30·0 in: and less, in another disturbance over the Gulf of Genoa.
Gradients slight generally, but moderate over Scandinavia and Denmark.
Barometer rising in our Islands and France, but falling elsewhere.

TEMPERATURE

Highest, 66° at Lisbon, 55° at Scilly and Jersey, 53° at Belmullet and Pembroke, and 52° at Valencia (Ireland).
Lowest, (1) 31° at Belfort, 34° at Lyons, and 37° at Wiesbaden and Munich; (2) 42° at York and 45° at Spurn Hd; (3) 44° at Haparanda and Stockholm.
The maxima registered yesterday were below 55° at several of our northern and eastern stations, but a little above it in the east and south; at Scilly the thermometer reached 60°.

WIND

Light to moderate from the NW. or W. over our Islands and the adjacent parts of the Continent; SW. in Denmark and the south of Sweden.
S. in the north of Sweden; E. in the west of Norway.
S. in the southwest of France; variable in the south of France.

WEATHER

Fair over Western Europe as a whole, but dull in the west and south of Ireland, showers reported in London and at Malin Head.
Raining in Denmark and also at Cuxhaven.
Slight rain fell yesterday at several of our northern stations and also in the southeast of England and the neighbouring parts of the Continent.

SEA

Slight or smooth generally, but rather rough at Lerwick and Holyhead.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off our northern coasts yesterday has travelled away to the northeastward, and a new anticyclone is now spreading over our Islands from the southwestward. The barometric rise in the west is, however, not very decided, and the weather can scarcely be regarded as settled.

FORECASTS

For the 24 hours ending at NOON on 10th Oct.r 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW. to W. winds, freshening; fair at first, some rain later.
1 SCOTLAND EAST	W. winds, light or moderate; fair generally, but local showers.
2 ENGLAND N.E.	
3 ENGLAND EAST	NW. winds, light; fair generally.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	W. winds, freshening; fair at first, some rain later.
7 ENGLAND N.W.	NW. winds, moderate; fair generally.
8 ENGLAND S.W.	
9 IRELAND NORTH	Same as No. 6.
10 IRELAND SOUTH	Same as Nos. 7 and 8.
WARNINGS	At 10·20 am today to districts 0, 6, and parts of 1 and 9 "Lower Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.86	53	52	SSW	5	b	5
Sumburgh Head	29.59	47	46	WSW	9	qp	4
Stornoway	29.77	52	52	NW	5	c	5
Aberdeen	29.82	54	47	WSW	4	bcq	3
Shields	29.95	55	52	SW	3	op	2
Ardrossan	29.94	51	49	W	4	c	3
Malin Head ...	30.00	52	51	WSW	6	o	5
Belmullet	30.15	53	49	WNW	4	o	*
Holyhead	30.11	55	53	WSW	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.22	56	53	NW	4	c	4
Scilly	30.23	59	54	W	4	c	3
Jersey	?30.29	56	50	SW	4	c	3
Hurst Castle ...	30.21	56	51	WSW	3	ou	2
Dungeness ...	30.22	54	50	SSW	3	c	2
North Foreland	30.23	54	47	S	2	c	1
London (Westminster)	30.19	57	49	SW	2	bc	*
Yarmouth ...	30.16	54	52	SW	4	b	3
Rochefort ...	30.25	57	50	ENE	4	b	*

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

Weather in morning cloudy or dull over northwestern and northern Europe generally, with passing showers at some of our own northwestern stations, and with steady rain in the Shetlands, as well as at many of the Russian stations. Fine in the extreme southeast of England and also over France and the Spanish Peninsula; dull over Italy and Austria, with rain at Pesth Pesth and snow at Vienna. A little rain falling late over the northern parts of our Islands generally and also over the southeast of England and the adjacent portions of the Continent.

Temperature rising in our Islands, as well as in Sweden, Denmark, Germany and Spain, changed irregularly elsewhere. Morning readings highest 68° at Lisbon, Athens, and Algiers, 64° at Malta and Sfax, and 63° at Palermo and Oran. Lowest (1) 29° at Moscow, and 34° at Helsingfors and St Petersburg; (2) 30° at Paris, 32° at Limoges, and 33° at Belfort, Lyons and Munich; below 40° over Central Europe generally. Daily maxima below 55° at several of our own northern and eastern stations, and below 60° in most other parts of the country. Thermometer exceeding 60° in the west and south of France, and reaching 81° at Lisbon.

Wind light to fresh from the SW. over our Islands generally and also over Denmark and the Netherlands; S' in the west of Norway, with a gale at Skudesnaes. NE' (N to E) over France, Spain, Italy, and Western Germany; NW' or W' over Eastern Germany, Austria, and the Adriatic, W' over the Baltic, S³ in Finland, calm in the north of Sweden. Subsequently veering to the W. or NW. in all the more western and northern parts of our Islands; no important change occurring elsewhere.

Barometer highest 30·3 ins. and upwards in an anticyclone lying over Germany, the Netherlands, the north of France, and the extreme southeast of England, as well as in another system lying over Central Russia. Lowest 29·7 ins. and less, in a large depression lying to the northward of our Islands and also (apparently) in another disturbance over Greece. Northern depression subsequently travelling northeastward, but shallow secondary disturbances appearing over various parts of Great Britain.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 10th October, 1897.

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	41	S	2	r	29.88	·00	41	40	— 3	S	2	o	#	r	#	46	39	0·04
	Hernösand ...	29.84	48	SW	4	o	29.80	—·06	42	41	— 4	S	2	f	#	o	#	48	37	—
	Stockholm ...	29.93	46	S	2	o	29.91	—·06	44	43	0	S	2	b	#	o	#	52	41	—
	Wisby	29.97	45	S	4	b	29.95	—·07	46	45	+ 1	NW	4	b	#	b	#	50	37	—
	Karlstad ...	29.84	48	SW	2	b	29.88		39	38		W	2	b	#	b	#	#	#	0·04
	Bodö	29.61	47	S	0	bc	29.64	·00	42	41	— 3	E	2	c	0	bc	#	48	41	0·08
	Christiansund ...	29.70	46	WSW	6	c	29.71	+ ·13	44	43	— 1	W	3	c	4	c	#	50	43	0·16
	Skudesnaes ...	29.91	47	NW	2	c	29.85	+ ·05	48	47	0	S	4	o	3	c	#	48	43	#
	Færder (Christiania Fjord)	29.82	50	W	4	b	29.86	+ ·12	46	43	— 4	W	4	o	3	b	#	52	45	—
	Skagen (The Scaw)	29.92	44	W	1	bc	29.93	+ ·10	49	46	0	W	1	bc	0	bc	#	54	43	0·20
	Fanö	30.01	48	W	3	c	30.02	+ ·13	49	48	— 1	W	2	c	#	c	#	55	46	0·12
	Sumburgh Head	29.86	46	WNW	1	o	29.48	—·31	51	51	+ 5	SW	3	o	4	o	#	52	42	0·60
	Stornoway ...	29.91	50	WSW	3	o	29.58	—·42	49	49	+ 2	W	4	c	5	o	0·0	50	45	0·20
	Wick	29.92	49	W	1	r	29.57	—·36	53	52	+ 6	W	5	op	3	r	#	53	45	0·15
	Nairn	29.92	50	WNW	3	c	29.70	—·30	55	52	+ 7	WSW	3	c	2	c	#	55	46	—
	Aberdeen ...	30.01	48	W	1	og	29.70	—·31	56	52	+ 9	SW	4	bcqu	2	c,og	2·0	56	46	0·07
British Islands.	Leith	30.05	51	W	1	o	29.80	—·27	54	52	+ 7	S	3	o	#	o	#	55	45	—
	Shields	30.10	51	WSW	2	bcm	29.94	—·14	54	51	+ 6	SW	2	o	2	bc,r	#	55	42	0·02
	Spurn Head ...	30.16	53	WNW	3	o	30.06	—·04	50	49	+ 5	WSW	4	o	2	o	#	54	46	—
	York	30.15	51	W	2	bc	30.04	—·07	51	49	+ 9	SW	3	o	#	bc	4·9	55	40	—
	Loughborough ...	30.20	50	W	1	c	30.15	·00	50	47	+ 3	SW	2	o	#	c,o	#	56	46	—
	Ardrossan ...	30.09	52	W	3	o	29.83	—·28	54	53	+ 4	SW	6	cqp	4	o	#	54	49	0·02
	Malin Head ...	30.09	52	W	5	opm	29.81	—·33	54	54	+ 6	WSW	7	rm	6	opm	#	54	48	0·03
	Belmullet ...	30.19	55	W	5	o	30.00	—·25	56	55	+ 3	SW	5	o	#	o	#	56	53	—
	Donaghadee ...	30.08	51	WSW	3	c	29.98	—·20	52	50	+ 5	SW	5	o	3	c	#	55	46	—
	Liverpool (Bidston)	30.20	51	W	3	c	30.09	—·09	52	48	+ 1	WSW	2	o	2	c	#	54	50	—
	Holyhead ...	30.22	52	WSW	3	og	30.10	—·10	54	52	+ 3	SW	4	o	3	c,og	#	56	48	—
	Parsonstown ...	30.25	51	SW	1	r	30.11	—·16	53	51	+ 4	W	2	o	#	o,c,o	0·0	54	148	0·01
	Valencia ...	30.29	52	W	2	cm	30.20	—·12	55	53	+ 3	SW	3	o	2	o cm	0·0	57	50	0·02
	Roche's Point ...	30.29	55	W	1	o	30.22	—·09	55	52	+ 4	W	4	c	3	o	#	?	50	—
	Pembroke (St. Ann's Hd.)	30.27	53	NW	3	o	30.19	—·05	55	53	+ 2	WNW	4	og	4	o	0·0	55	52	—
	Scilly	30.27	55	NNW	3	o	30.28	+ ·02	55	51	0	W	3	o	1	o	0·0	56	49	—
	Prawle Point ...	30.29	51	NW	2	c	30.28	+ ·03	51	49	+ 1	W	2	o	2	c	#	57	48	—
	Jersey (St. Aubin's)	30.25	56	NW	2	om	30.31	+ ·08	54	50	— 1	NNW	1	om	1	c,om	#	59	51	—
	Hurst Castle ...	30.24	54	WNW	1	c	30.25	+ ·05	54	49	+ 3	WSW	3	og	2	cm	#	59	50	—
	Dungeness ...	30.20	50	NW	2	bc	30.23	+ ·09	50	48	+ 1	WNW	3	c	2	bc	#	57	45	—
	North Foreland	30.22	49	WNW	3	c	30.21	+ ·08	48	45	— 3	WSW	2	cm	2	bc,c	#	54	46	—
	London (Brixton) ...	30.22	52	NW	1	cm	30.21	+ ·04	48	45	— 1	W	3	og	#	bc,om	1·3	56	46	0·01
	Oxford	30.24	50	W	2	o	30.20	+ ·01	49	46	+ 1	SW	2	og	#	o	#	56	46	—
	Cambridge ...	30.21	51	NW	1	o	30.18	+ ·02	48	46	+ 1	SW	2	og	#	bc,o	5·5	59	40	—
	Yarmouth ...	30.13	51	NW	2	b	30.14	+ ·05	46	44	— 1	WSW	3	cgm	3	b	#	54	41	—
Germany & Holland.	Cuxhaven ...	30.02	46	SSW	2	o	30.08	+ ·07	47	47	+ 6	SW	1	o	#	o,p	#	48	41	0·12
	Berlin	30.12	44	SW	2	b	30.14	+ ·02	44	43	— 1	WNW	4	o	#	b	#	52	39	—
	Wiesbaden ...	*	*	*	*	*									#	#	#			
	Munich	30.21	38	W	4	o	30.28	+ ·07	39	38	+ 2	W	4	o	#	o	#	41	36	—
	The Helder ...	30.10	53	NW	3	bc	30.11	+ ·11	53	50	0	W	4	o	2	bc	#	54	52	—
France & Belgium.	Brussels ...	*	*	*	*	*	30.26	+ ·14	43	43	+ 3	SW	1	o	#	c	#	55	37	—
	Cape Gris Nez ...	30.16	53	NNW	1	bc	30.19	+ ·10	51	48	+ 1	WNW	3	o	2	bc	#	55	48	—
	Paris	30.23	49	NW	2	o	30.27	+ ·10	41	41	— 1	SE	1	o	#	o	#	59	37	—
	Brest	30.26	55	WSW	1	c	30.31	+ ·07	53	49	0	N	1	o	0	c	#	57	48	—
	Lorient	30.29	56	WNW	2	o	30.32	+ ·07	52	50	— 3	NE	1	o	3	o	#	64	48	—
	Rochefort ...	30.27	57	WNW	3	bc	30.27	+ ·02	49	48	— 1	ESE	3	o	#	bc	#	68	46	—
	Belfort	30.26	40	W	3	m	30.29	+ ·06	40	40	+ 9	W	2	f	#	m	#	52	31	—
	Lyons	30.28	43	N	1	o	30.30	+ ·03	43	42	+ 9	NNW	1	b	#	o	#	50	34	—
	Nice	30.01	57	E	0	c	30.07	+ ·09	51	49	+ 1	E	4	c	1	c	#	61	48	—
	Perpignan ...	30.22	57	NW	3	b	30.26	+ ·10	54	49	+ 3	NW	3	c	#	b	#	66	50	—
	Biarritz ...	30.25	56	N	2	bc	30.26	+ ·01	47	43	+ 2	SE	3	b	2	bc	#	61	45	—
Penin-sula.	Corunna ...																#			
	Lisbon	30.10	71	NNW	3	bc	30.15	+ ·03	62	47	— 4	NE	5	o	#	bc	#	89	68	—
	Azores (P. Delgada)	29.69	70	ESE	5	o	29.71	+ ·01	69	67	— 1	ESE	5	o	6	o	#	73	68	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 0·4 hrs;

WEATHER CHARTS

FOR SUNDAY, 10TH OCTOBER, 1897.

BAROMETER, WIND AND SEA.

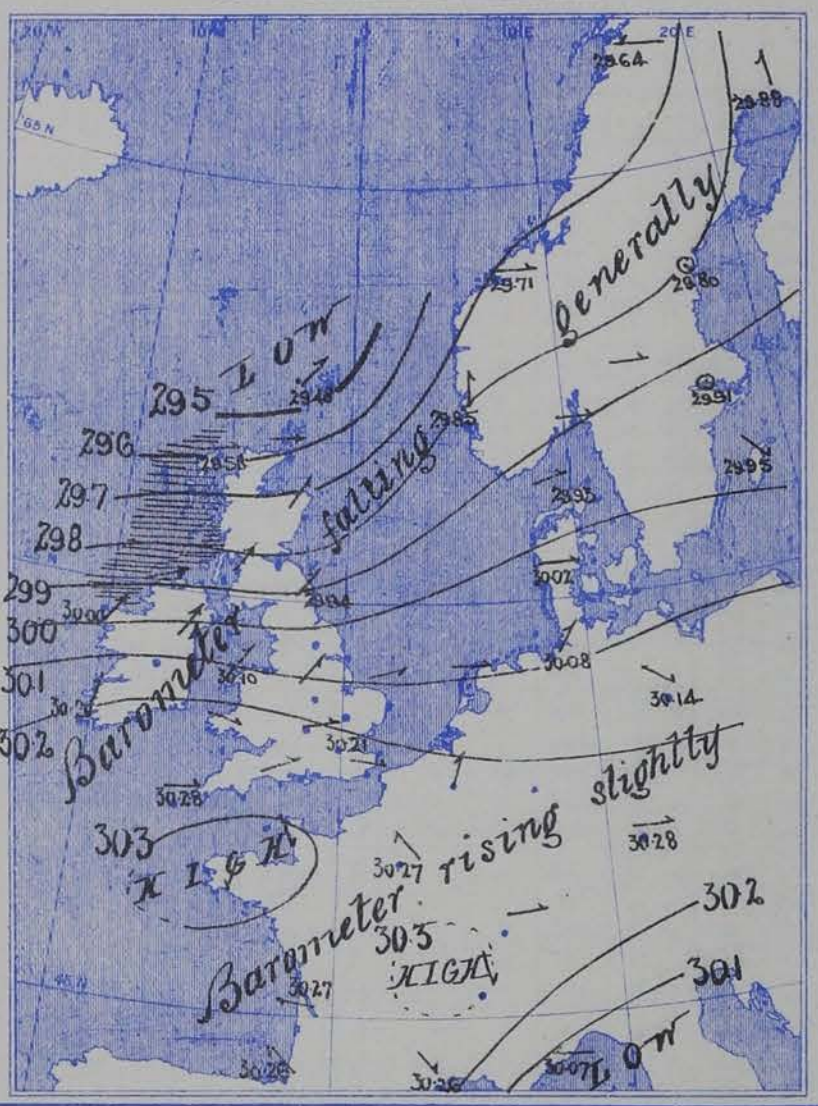
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

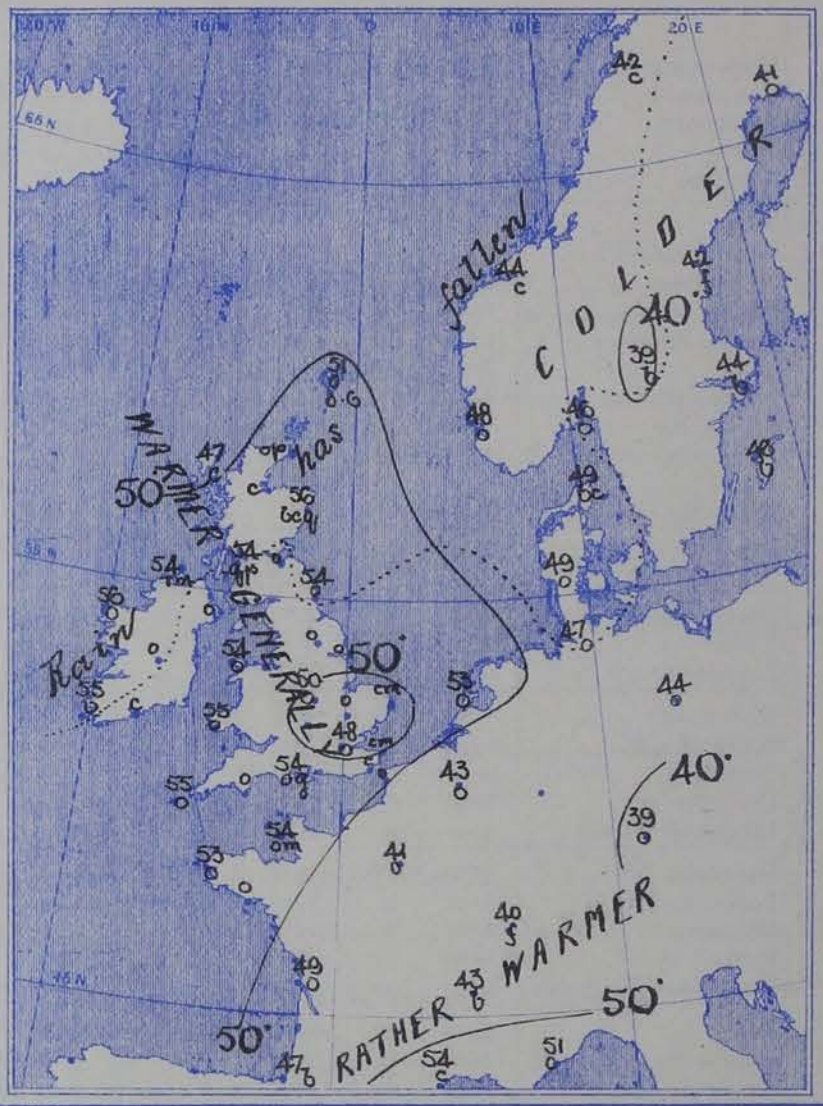


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	55 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1878	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and upwards over Brittany; 30·2 ins: and upwards, in an anticyclone lying over the whole of France, South Germany, and the extreme south of our Islands.

Lowest, 29·5 ins: and less, in a depression lying off the north of Scotland.

Gradients rather steep over the northern parts of our Islands and the North Sea, but moderate or slight elsewhere.

Barometer falling in our Islands, (briskly in the north) and also in Scandinavia, but rising in most other parts of our Islands.

TEMPERATURE

Highest (1) 62° at Lisbon and 54° at Lerpignan; (2) 56° at Aberdeen and Valentia, and 55° at Nairn, Valencia (Ireland) Rockliffe, Pembroke and Tilly.

Lowest (1) 39° at Munich, 40° at Belfort and 41° at Paris; (2) 39° at Karlstad, 41° at Haparanda, and 42° at Bodø and Hernösand.

The maxima registered yesterday were below 55° in many parts of the United Kingdom, and very little above it at any but the extreme southern stations.

WIND

SW' over the greater part of the United Kingdom and strong in force on our extreme northwest coasts.

W' in the English Channel and also over Holland, Denmark, Germany, and the south of Sweden; varying between S. and E. in the north of Scandinavia.

Light from the E.ly or SE.ly in the west of France; variable in the south of that country.

WEATHER

Cloudy or dull over Western Europe generally, with showers on our own extreme north and northwest coasts.

Fine in the south of Sweden and also at some of the southern French stations.

Since yesterday morning rain has fallen at several of our western and northern stations and also in Norway and Denmark; heavily at Lerwick I.K.

SEA

Rough at Malin Hd and rather rough at Stornoway but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 11th Oct. 1897.

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	None Issued.	▼ 9 IRELAND NORTH	None Issued.
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	At 9.50 am to districts 0 to 2. 6. 7. 9 to 10 Hoist South Cone

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·85	47	46	WNW	6	c	4
Sumburgh Head	29·86	46	43	NW	2	c	4
Stornoway	29·98	50	50	W	3	c	3
Aberdeen	30·02	54	47	NW	3	c	3
Shields	30·10	54	49	WSW	3	c	2
Ardrossan	30·09	52	49	W	3	c	2
Malin Head ...	30·14	52	52	WNW	5	o	4
Belmullet	30·22	54	52	WSW	3	o	*
Holyhead	30·23	54	50	WNW	4	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·30	56	52	E	0	o	2
Scilly	30·28	56	50	N	2	o	1
Jersey	30·26	58	52	NW	3	c	3
Hurst Castle ...	30·22	58	50	NNW	2	c	2
Dungeness ...	30·16	57	50	NNW	2	bc	1
North Foreland	30·19	54	48	WNW	3	bc	2
London (Westminster)	30·19	56	48	NNW	3	c	*
Yarmouth ...	30·12	54	49	NW	3	b	3
Rochefort ...	30·23	60	56	WNW	3	o	*

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

Weather in morning fair or fine over Western Europe as a whole, but dull in the west and south of Ireland; showers reported in London and at Malin Head. Dull in the eastern, central and southern parts of the Continent generally, with rain in many parts of Denmark, Germany, Austria and the south of Russia. Thunderstorm reported at Helsingfors. Rain falling later at several of our own western and northern stations, as well as in Norway,— heavily at Sumburgh Hd.

Temperature fallen in the west and north of our Islands and also in the west of Norway, but risen in most other localities. Morning readings highest 68° at Algiers, 66° at Lisbon, 65° at Nemours, and 64° at Malta; above 55° at most of the Mediterranean and Spanish coast stations. Lowest (1) 30° at Limoges, 31° at Brest, and 34° at Lyons; (2) 33° at Helsingfors and 34° at Kuopio and St Petersburg. Daily maxima below 55° in many parts of our Islands, and very little above it at any but our extreme southern stations. Thermometer exceeding 60° in the west and south of France, and reaching 81° at Lisbon.

Wind light to moderate from the NW. or W. over our Islands and the adjacent parts of the Continent; SW. or S. over Denmark, the Baltic, Sweden and northern Russia; SE. or E. in the west of Norway. Light from the S. in the southwest of France; N. over the Spanish Peninsula and the extreme south of France; variable over Italy, Austria, and the south of Russia. Subsequently backing to the S. of W. at many of our western and northern stations; shifting to the W. in the southwest of France.

Barometer highest 30·3 ins: and upwards in an anticyclone extending from the Atlantic over the west of Ireland; 30·1 ins: and upwards in another area over Central Russia. Lowest 29·6 ins: and less, in a large depression lying off the west of Norway; 29·7 ins: and less, in another disturbance over the extreme south of Russia. Anticyclone off our southwest coasts subsequently receding southwards and new depression beginning to advance towards the north of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Monday, 11th October, 1897.

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	43	S	2	bc	29.71	-.17	43	41	+ 2	S	2	bc	*	bc	*	45	37	0.20
	Hernösand ...	29.76	?	NE	0	b	29.65	-.15	45	43	+ 3	E	2	0	*	b	*	48	36	-
	Stockholm ...	29.88	44	NE	0	b	29.73	-.18	47	46	+ 3	S	4	b	*	b	*	52	36	-
	Wisby	29.95	44	S	4	b	29.80	-.15	47	46	+ 1	S	4	0	*	b	*	48	36	-
	Karlstad ...	29.80	49	S	4	0	29.52	-.36	50	48	+ 11	S	4	0	*	0.7	*	*	*	-
	Bodö	29.60	43	NE	0	r	29.50	-.14	40	36	- 2	E	4	c	?	r	*	46	37	0.39
	Christiansund ...	29.45	47	SE	2	c	29.31	-.40	48	47	+ 4	NE	0	c	3	c	*	52	43	-
	Skudesnaes ...	29.51	53	S	4	r	29.30	-.55	47	47	- 1	NNW	6	0	4	r f	*	53	43	*
	Færder (Christiania Fjord)	29.73	51	SSW	6	0	29.38	-.48	52	51	+ 6	S	6	r	4	0	*	52	45	0.12
	Skagen (The Scaw)	29.76	50	SW	3	0	29.45	-.48	50	49	+ 1	NNW	4	0	1	0	*	52	48	0.12
	Fanö	29.83	53	SW	5	0	29.58	-.44	51	49	+ 2	W	6	c	*	0	*	55	48	0.12
British Isles.	Sumburgh Head	29.30	45	W	3	r	29.35	-.13	46	44	- 5	N	1	bc	4	r	*	52	42	0.40
	Stornoway ...	29.48	48	NW	6	c	29.75	+.17	45	45	- 4	NNW	3	0	3	0.c q r	2.3	52	42	0.15
	Wick	29.42	52	NW	6	0	29.56	-.01	47	46	- 6	NW	7	c	4	0 p	*	56	42	0.05
	Nairn	29.51	49	W	3	r	29.68	-.02	45	41	- 10	W	3	b	2	r	*	58	41	0.23
	Aberdeen ...	29.53	50	SW	3	bc	29.64	-.06	47	43	- 9	WNW	6	b c q	4	p q bc.q	4.1	63	42	0.06
	Leith	29.66	52	WSW	6	c	29.72	-.08	50	47	- 4	WSW	3	b	*	c	*	60	45	-
	Shields	29.73	56	SSW	3	0	29.73	-.21	50	48	- 4	WSW	4	bc	2	p.o	*	58	45	-
	Spurn Head ...	29.90	53	SW	4	b	29.81	-.30	51	49	+ 1	W	6	bc	3	b.p	*	55	48	0.02
	York	29.88	54	SSW	4	0	29.81	-.23	51	47	0	W	4	c	*	0	0.0	57	46	0.01
	Loughborough ...	30.01	54	SW	2	c	29.93	-.23	49	46	- 1	W	3	c	*	o q p.bc	*	60	45	0.05
	Ardrossan ...	29.72	53	WSW	4	bc q p	29.79	-.04	52	47	- 2	WNW	4	c	3	b c q p	*	55	48	0.25
	Malin Head ...	29.76	51	W	8	c p	29.87	+.06	49	46	- 5	WNW	6	b c p	4	c.c p	*	55	46	0.15
	Belmullet ...	29.98	52	WNW	6	c	29.98	-.02	50	49	- 6	NW	3	0	*	m.c	*	56	49	0.10
	Donaghadee ...	29.83	53	WNW	6	0	29.88	-.10	49	47	- 3	WNW	5	c	3	0	*	57	46	0.03
	Liverpool (Bidston)	29.93	56	WSW	5	0	29.89	-.20	50	47	- 2	W	7	0	5	o p	*	58	49	0.03
	Holyhead ...	29.98	56	SW	4	0	29.95	-.15	50	48	- 4	WNW	6	c q p	4	o p d	*	57	48	0.11
	Parsonstown ...	30.03	54	W	3	r	30.04	-.07	49	46	- 4	W	1	c	*	or	0.6	58	43	0.10
	Valencia ...	30.16	57	WSW	5	0	30.12	-.08	55	54	0	W	4	q r	4	0	0.0	58	53	0.03
	Roche's Point ..	30.15	57	W	4	c	30.10	-.12	55	54	0	W	3	o p	3	c	*	?	53	0.02
	Pembroke (St. Ann's Hd.)	30.09	54	NW	5	c	30.04	-.15	55	53	0	NW	5	o q	5	o.c	0.5	57	53	-
	Scilly	30.22	55	WSW	4	0	30.14	-.14	57	53	+ 2	WSW	4	0	3	c.o	1.0	60	51	-
	Prawle Point ...	30.20	54	WSW	4	0	30.10	-.18	55	53	+ 4	W	5	c	4	o.q p	*	56	51	0.01
	Jersey (St. Aubin's)	30.27	55	WSW	4	o q m	30.15	-.16	58	55	+ 4	W	4	o q m	3	o.q m.p	*	58	53	0.01
	Hurst Castle ...	30.17	56	WSW	4	o q	30.04	-.21	57	54	+ 3	W	4	p	3	o q	*	57	54	-
	Dungeness ...	30.14	55	WSW	4	0	29.97	-.26	56	54	+ 6	WSW	4	c	4	0	*	56	50	-
	North Foreland	30.14	53	SW	4	0	29.96	-.25	54	52	+ 6	SW	4	c	2	0	*	54	47	0.02
	London (Brixton) ...	30.11	53	W	3	o q	29.98	-.23	53	49	+ 5	NW	3	c	*	o q p	0.2	56	48	0.01
	Oxford	30.07	52	SW	5	0	29.99	-.21	50	47	+ 1	W	1	c	*	q.c.d q	*	55	49	-
	Cambridge ...	30.06	53	SW	3	0	29.95	-.23	50	47	+ 2	WSW	1	b	*	c.o	1.1	59	45	0.03
	Yarmouth ...	30.03	53	WSW	4	c	29.87	-.27	50	47	+ 4	W	4	b m	3	c	*	54	45	0.02
Germany & Holland.	Cuxhaven ...	30.02	46	SW	3	0	29.71	-.37	50	50	+ 3	SW	5	r	*	0	*	50	46	0.04
	Berlin	30.23	46	SW	2	c	29.95	-.19	47	45	+ 3	SW	3	0	*	c	*	52	44	0.04
	Wiesbaden ...	*	*	*	*	*	30.10		47	44		SW	2	0	*	*	*	54	46	-
	Munich... ..	30.32	40	E	0	c	30.20	-.08	39	38	0	S	3	c	*	c	*	43	34	-
	The Helder ...	29.98	54	WSW	4	0	29.80	-.31	54	50	+ 1	WNW	5	bc	3	0	*	55	53	0.16
Belgium.	Brussels ...	*	*	*	*	*	29.99	-.27	49	48	+ 6	SW	5	r	*	0	*	53	43	0.04
	Cape Gris Nez...	30.12	57	W	5	0	29.96	-.23	55	54	+ 4	WNW	6	0	6	0	*	57	44	-
	Paris	30.27	51	SW	1	0	30.16	-.11	49	46	+ 8	SSW	2	0	*	0	*	57	41	-
	Brest	30.28	55	WSW	1	0	30.18	-.13	53	51	0	NW	2	0	2	0	*	55	48	-
	Lorient... ...	30.30	55	WSW	1	0	30.23	-.09	56	54	+ 4	W	3	0	2	0	*	63	39	-
France &	Rochefort ...	30.24	57	NW	2	b	30.20	-.07	50	48	+ 1	SE	2	0	*	b	*	70	46	-
	Belfort	30.28	44	W	2	m	30.25	-.04	36	36	- 4	N	2	4	*	m	*	51	30	-
	Lyons	30.31	48	N	1	b	30.28	-.02	41	40	- 2	S	1	4	*	b	*	55	35	-
	Nice	30.16	55	NE	0	c	30.21	+.14	52	49	+ 1	NE	0	b	1	c	*	63	50	-
	Perpignan ...	30.23	59	N	2	b	30.26	.00	45	43	- 9	SW	2	b	*	b	*	67	44	-
	Biarritz ...	30.23	60	N	3	b	30.17	-.09	45	43	- 2	ESE	2	b	2	b	*	66	43	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.16	69	NE	0	0	30.16	+.01	66	64	+ 4	SSE	2	c	*	0	*	77	62	-
	Azores (P. Delgada)	29.82	70	E	4	c	29.85	+.14	69	67	0	NE	5	c	4	c	*	73	68	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. 0·0 hrs;

WEATHER CHARTS

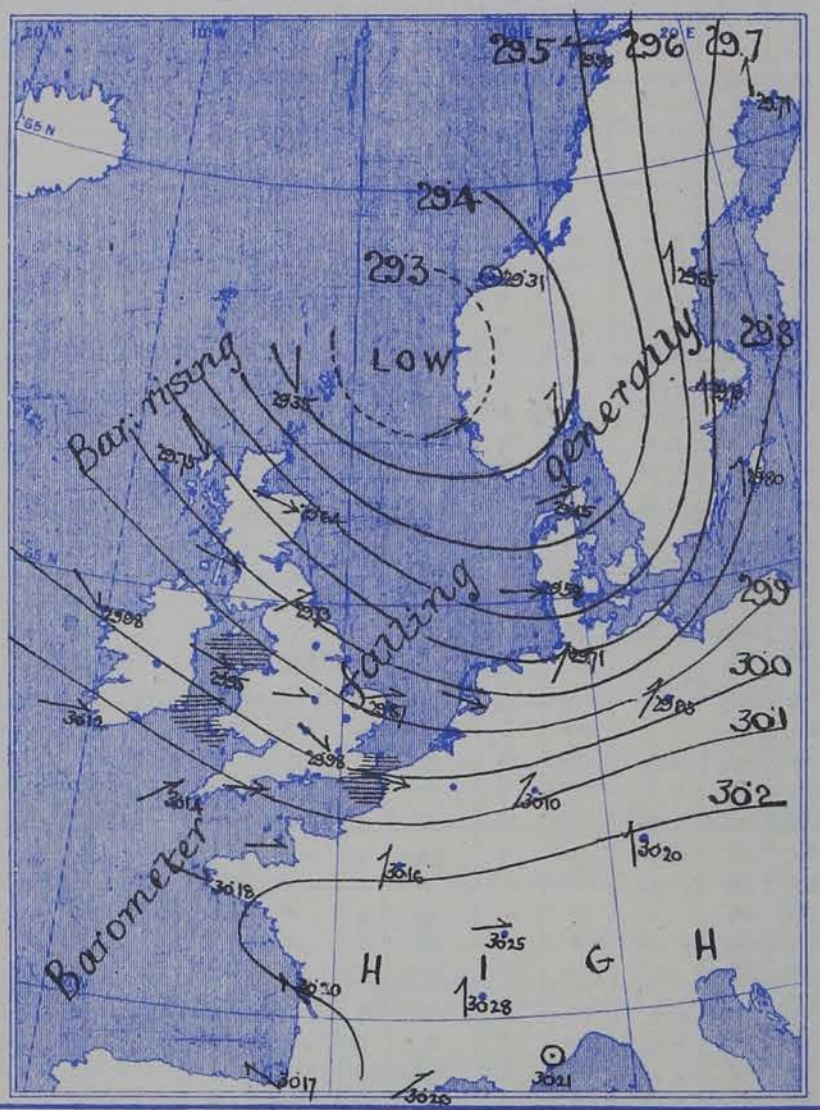
FOR Monday, 11th October, 1897.

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* ⟶ ; }

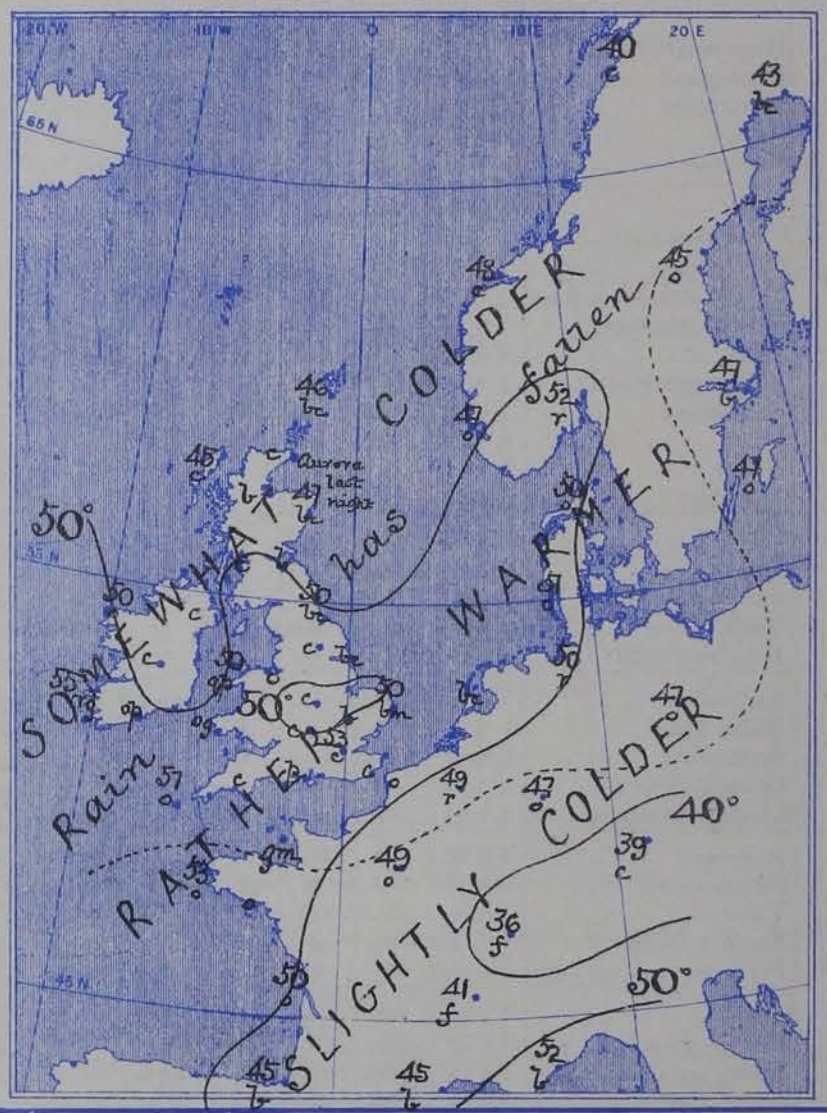
SEA—Rough ▤ ; *High* ▩



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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	55 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in an anticyclone lying over the greater part of France and South Germany.
Lowest, 29·3 in: and less, in a depression off the west of Norway.
Gradients moderate to rather steep over Northwestern Europe generally, but slight over France.
Barometer falling in most places, but rising again in the north of Scotland.

TEMPERATURE

Highest (1) 66° at Lisbon and 52° at Nice; (2) 58° at Jersey, 57° at Scilly, and Kew Castle and 56° at Dungeness and Lowestoft.
Lowest (1) 36° at Belfort, 39° at Munich and 41° at Lyons; (2) 40° at Boden and 43° at Haparanda; (3) 45° at Stornoway and Nairn.
The maxima registered in our Islands yesterday ranged in most cases between 55° and 60°, but at Aberdeen the thermometer rose to 63°.

WIND

W. to NW. over our Islands generally, and strong in force on the most exposed parts of our north and northwest coasts.
Moderate to fresh from the SW. over Belgium, Germany and the north of France; S. at most of the Scandinavian stations.
Light from the S. or SE. over the southern parts of France.

WEATHER

Cloudy and unsettled over the greater part of our area, with passing showers in the southern parts of the United Kingdom, and with rain at Faerder and Cuxhaven.
Fine at many of our more northern stations and also in the extreme south of France.
Since yesterday morning rain has fallen in most parts of Northwestern Europe, the amounts being, however, as a rule, comparatively slight. Aurora was seen last night at Aberdeen.

SEA

Rough at Cape Gris Nez and rather rough at Liverpool and Pembroke, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off our northern coasts yesterday is travelling away to the eastward, while shallow secondary disturbances are passing in a similar direction across our Islands. There are some indications of the advance of another depression towards our southwest coasts.

FORECASTS

For the 24 hours ending at NOON on 12th Oct. 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	NW. winds, strong to a gale at first, but moderating later; squally and showery then fair.	6 SCOTLAND WEST	NW. winds, backing later; fair at first then cloudy and some rain.
▼ 1 SCOTLAND EAST		7 ENGLAND N.W.	Same as No. 2
▼ 2 ENGLAND N.E.	W. winds, strong in places; squally, some showers.	8 ENGLAND S.W.	W. to SW. or S. winds; cloudy, unsettled, some rain.
3 ENGLAND EAST	W. winds, moderate or fresh; some showers, with bright intervals.	▼ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The SOUTH CONE is still flying in districts 0 to 2, 6, 7, 8, and 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·70	53	52	S	8	rf	4
Sumburgh Head							
Stornoway	29·50	50	50	W	5	oqr	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29·79	53	53	W	8	c	6
Belmullet	29·96	66	55	W	5	m	*
Holyhead							
Valencia							
Scilly							
Jersey	30·29	56	51	WNW	3	0	3
Hurst Castle ...							
Dungeness ..	30·17	55	53	WSW	4	0	3
North Foreland	30·16	54	50	SW	4	0	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·28	68	59	E	2	b	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 3rd TO THE 9th OCTr 1897.

At the commencement of the week two high-pressure systems existed over our area,— one to the southwestward of our Islands and the other over Scandinavia, a large V shaped depression being located at the same time over the North Sea. Over the United Kingdom the prevailing winds were therefore NW^{3}, with fair weather in most districts, but with showers at several of our northern and eastern stations.

The depression over the North Sea soon however dispersed, while the two high pressure areas became united and for a time anticyclonic conditions prevailed over all but the extreme western and northern parts of our islands, where the weather was affected by depressions moving out in the Atlantic. In these districts showers were consequently frequent, but in other localities the weather was fair, with rather low temperature in the daytime and very sharp frost at night. At Loughborough the exposed thermometer on the night of the 5th fell to 12°.

On the 7th the anticyclone began to disperse and to move southwards, and towards the close of the week the weather was affected partly by a large depression which moved eastwards along our extreme northern coasts, and partly by shallow secondary systems which advanced directly over the Kingdom. SW^{3} to NW^{3} winds blew generally, and with considerable force in the north and northwest, while showery weather set in over the greater part of the Kingdom, temperature being still low in the daytime, but much higher at night. At the close of the week further depressions were evidently approaching from the Atlantic.

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 12th October, 1897.

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 ...	29.73	42	SE	4	o	29.68	−.03	40	39	− 3	SE	4	o	*	o	*	45	39	—
	Hernösand ...	29.50	47	S	6	o	29.40	−.25	45	43	0	S	4	o	*	o	*	48	30	0.24
	Stockholm ...	29.51	48	S	2	r	29.41	−.32	47	46	0	SSW	2	c	*	r	*	52	37	0.12
	Wisby	29.60	49	SSW	6	c	29.47	−.33	46	45	− 1	S	4	bc	*	c	*	50	39	0.16
	Karlstad ...	29.36	48	S	4	o	29.26	−.26	47	46	− 3	S	2	o	*	o.r	*	*	*	0.32
	Bodö	29.47	43	E	4	r	29.34	−.16	47	43	+ 7	ENE	4	c	1	r	*	49	36	0.08
	Christiansund ...	29.17	49	WSW	3	r	28.97	−.84	43	43	− 5	WNW	6	r	5	r	*	50	43	0.47
	Skudesnaes ...	29.29	48	W	4	o	29.34	+.04	47	46	0	NNW	7	c	4	o	*	49	45	*
	Færder (Christiania Fjord)	29.26	50	SW	5	c	29.25	−.13	45	?	− 7	W	1	c	3	c	*	52	39	0.08
	Skagen (The Scaw)	29.34	48	WSW	3	bc	29.27	−.18	46	43	− 4	W	2	bc	0	bc	*	52	43	0.16
	Fanö	29.49	48	W	6	r	29.43	−.15	47	46	− 4	W	2	r	*	r	*	54	46	0.28
	Sumburgh Head	29.55	44	NNW	4	r	29.62	+.27	41	38	− 5	N	4	c	6	o.r	*	49	39	0.15
	Stornoway ...	29.89	44	N	5	o	29.84	+.19	39	39	− 6	N	5	o	5	c,o	3.5	47	36	0.12
	Wick	29.69	42	NW	7	o	29.78	+.22	38	37	− 9	NW	5	ow	3	o,hp	*	49	35	0.21
	Nairn	29.83	44	WNW	4	r	29.90	+.22	40	38	− 5	NW	3	c	3	r	*	48	35	0.02
	Aberdeen ...	29.73	43	WNW	6	cpq	29.82	+.18	41	38	− 6	WNW	5	bcq	3	cpq	2.7	49	38	0.22
British Islands.	Leith	29.81	48	W	3	b	29.90	+.18	41	37	− 9	W	3	c	*	b	*	58	37	—
	Shields	29.79	48	WNW	3	o	29.90	+.17	38	36	− 12	WSW	3	bcm	2	bc.o	*	55	34	—
	Spurn Head ...	29.78	50	WNW	5	b	29.89	+.08	44	42	− 7	NW	6	bv	6	b,l	*	54	42	0.08
	York	29.80	49	W	3	bc	29.93	+.12	38	36	− 13	W	1	b	*	bc,p	5.1	58	34	0.02
	Loughborough ...	29.89	48	WNW	3	bc	29.97	+.05	38	37	− 11	NW	1	bmw	*	cpq,bm	*	54	38	0.07
	Ardrossan ...	29.88	49	WNW	3	b	29.94	+.15	46	42	− 6	WNW	4	b	2	b	*	54	39	0.03
	Malin Head ...	29.96	48	NNW	7	bc	30.01	+.14	45	42	− 4	NNW	5	c	4	bcq,hp	*	51	42	0.09
	Belmullet ...	30.11	49	N	2	bc	30.11	+.13	45	43	− 5	NE	1	c	*	c,bc	*	53	40	0.01
	Donaghadee ...	29.95	45	NW	6	bcq	30.02	+.14	42	40	− 7	WNW	4	bc	2	bcq	*	54	39	0.03
	Liverpool (Bidston)	29.91	49	WNW	6	c	29.98	+.09	47	43	− 3	NW	3	b	4	c,p	*	53	43	0.16
	Holyhead ...	29.96	51	NW	5	bc	30.01	+.06	48	45	− 2	N	4	c	3	cp,bcp	*	55	46	0.03
	Parsonstown ...	30.06	49	W	1	o	30.11	+.07	33	32	− 16	N	0	b	*	c,o	3.8	55	31	—
	Valencia ...	30.11	53	NNW	2	o	30.08	−.04	48	44	− 7	E	2	o	2	o	0.0	56	46	0.02
	Roche's Point ..	30.08	53	WNW	4	c	30.11	+.01	46	44	− 9	NNW	1	b	2	c	*	57	40	—
	Pembroke (St. Ann's Hd.)	30.01	55	NW	4	o	30.05	+.01	49	44	− 6	N	3	b	3	o	1.4	55	45	—
	Scilly	30.07	56	WNW	4	c	30.05	−.09	53	49	− 4	NNE	2	c	3	c	0.5	60	49	—
	Prawle Point ...	30.03	53	W	4	o	30.05	−.05	51	49	− 4	NNW	2	c	2	r.o	*	57	44	0.14
	Jersey (St. Aubin's)	30.05	59	WNW	5	ogm	30.04	−.11	54	51	− 4	NW	3	cgm	3	ogm,rm	*	62	51	0.14
	Hurst Castle ...	29.98	53	WNW	4	c	30.02	−.02	44	43	− 13	WNW	2	bm	2	c	*	59	42	0.05
	Dungeness ...	29.91	53	W	3	bc	29.96	−.01	45	43	− 11	WNW	4	b	3	c,bc	*	765	39	—
	North Foreland	29.92	56	WSW	3	o	29.94	−.02	45	43	− 9	W	3	b	2	o	*	58	43	—
	London (Brixton) ...	29.90	51	NW	2	bc	29.99	+.01	43	41	− 10	NW	1	bm	*	c,bc,bmw	3.3	58	40	—
	Oxford	29.94	48	W	2	bc	30.00	+.01	40	38	− 10	W	2	b	*	bc	*	56	38	—
	Cambridge ...	29.88	51	W	3	o	29.97	+.02	42	40	− 8	NW	1	b	*	c,o	2.3	56	38	—
	Yarmouth ...	29.78	51	W	5	c	29.87	.00	43	41	− 7	WNW	4	bm	4	c	*	54	38	—
Germany & Holland.	Cuxhaven ...	29.69	50	SW	5	o	29.53	−.18	46	46	− 4	W	3	r	*	o.r	*	54	45	0.71
	Berlin	29.80	47	SW	4	c	29.64	−.31	46	45	− 1	WSW	4	r	*	c	*	50	45	0.08
	Wiesbaden ...	*	*	*	*	*	29.86	−.24	47	45	0	SW	3	f	*	*	*	54	37	0.12
	Munich... ..	30.10	42	SW	4	bc	29.97	−.23	46	43	+ 7	SW	5	o	*	bc	*	50	37	—
	The Helder ...	29.71	52	WNW	4	o	29.73	−.07	49	46	− 5	NW	7	c	4	o	*	55	46	0.16
	Brussels ...	*	*	*	*	*	29.91	−.08	44	43	− 5	WSW	3	b	*	o	*	55	41	0.08
	Cape Gris Nez...	29.90	54	WNW	5	o	29.91	−.05	47	45	− 8	N	5	bc	5	o	*	55	45	—
	Paris	30.05	53	SW	1	o	30.00	−.16	48	47	− 1	SW	1	m	*	o	*	58	48	0.04
	Brest	30.19	56	W	3	o	30.09	−.09	54	53	+ 1	NNW	2	f	2	o	*	59	?	0.04
	Lorient... ...	30.15	57	W	4	o	30.06	−.17	57	57	+ 1	NW	4	o	4	o	*	63	43	—
France & Belgium.	Rochefort ...	30.16	58	NNW	3	o	30.10	−.10	57	55	+ 7	WNW	2	o	*	o	*	64	50	—
	Belfort	30.15	45	WSW	3	m	30.04	−.21	44	43	+ 8	WSW	4	r	*	m	*	53	36	—
	Lyons	30.17	50	N	1	b	30.12	−.16	46	44	+ 5	SW	1	o	*	b	*	57	41	—
	Nice	30.10	55	W	5	bc	29.99	−.22	49	47	− 3	E	0	bc	1	bc	*	64	48	—
	Perpignan ...	30.15	52	NW	2	b	30.10	−.16	44	43	− 1	SW	1	bc	*	b	*	65	43	—
	Biarritz ...	30.11	60	NNE	4	b	30.10	−.07	49	47	+ 4	E	3	o	2	b	*	66	?	—
Peninsula.	Corunna ...																*			
	Lisbon	30.14	66	NW	4	o	30.09	−.07	65	62	− 1	SW	2	o	*	o	*	75	64	—
	Azores (P. Delgada)	30.01	69	NNE	5	o	30.08	+.23	67	63	− 2	NNE	6	c	5	o	*	72	66	—

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

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

Bright Sunshine yesterday Southport 4.3 hrs;

WEATHER CHARTS

FOR Tuesday, 12th October, 1897.

BAROMETER, WIND AND SEA.

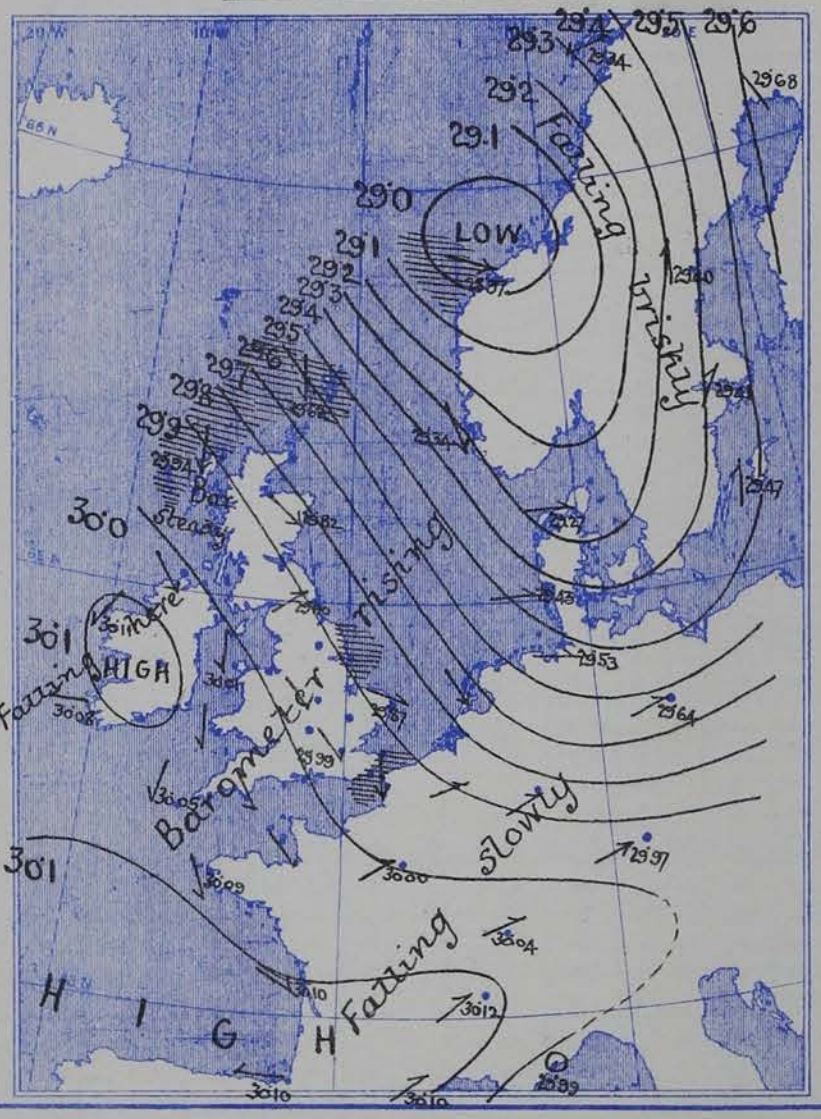
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

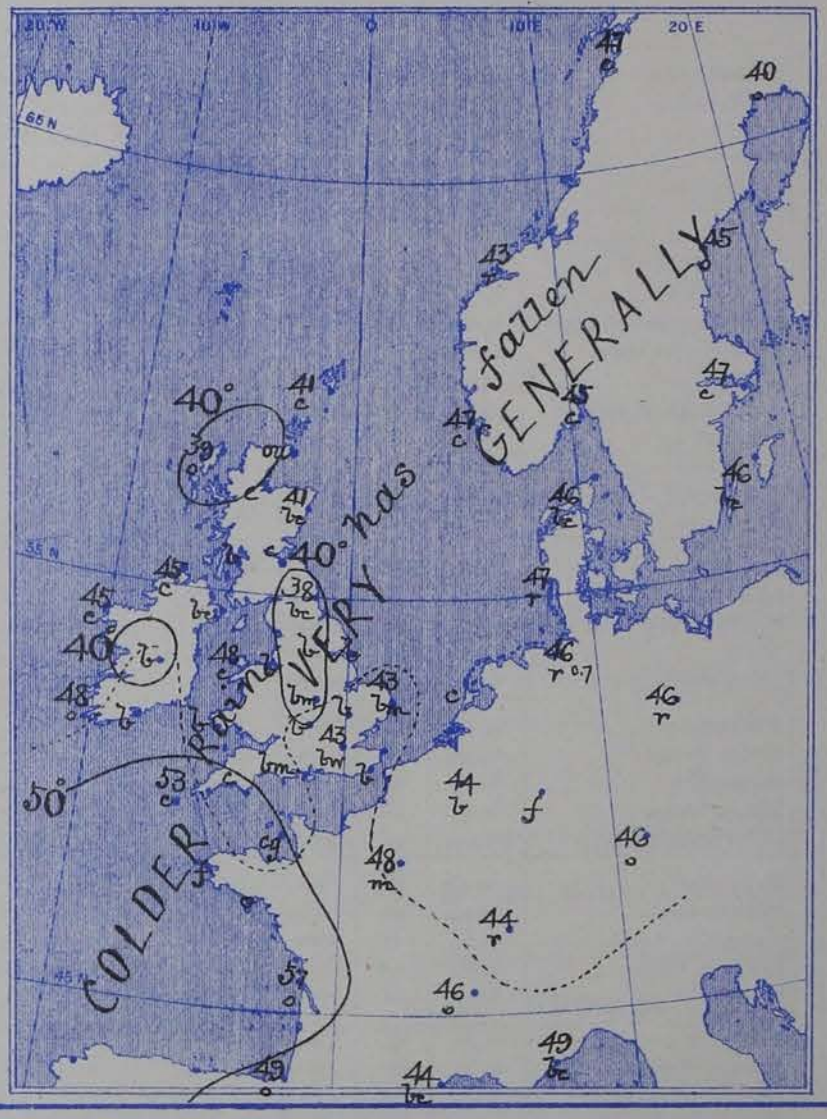


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92. 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	55 · 3	46 · 3	65	1873, 76, 77. 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·1 ins. and more over Ireland the Bay of Biscay and the southwest of France, and exceeding 30·0 ins. over the remainder of France & the southwestern & western parts of our islands generally.
Lowest. Below 29·0 ins. in a depression over the northwest of Norway.
Gradients. Steep for NW.ly winds over the North Sea, slight over our islands and variable.
Barometer. Falling again in Ireland, but rising slowly over England.

TEMPERATURE

Highest 59° at Rochefort and Lorient, 58° at Brest and Jersey, 53° at Scilly.
Lowest 33° at Parsonstown, 38° at York, Loughborough & Wick, 40° at Navin and Parsonstown.
It has fallen very decidedly all over the Kingdom during the night, and sharp frost occurred on the grass at our inland stations. At Parsonstown there was frost even in the Screen at 4 ft. above the ground.

WIND

NW.ly over the greater part of our islands, & still blowing strongly on several parts of our north & northeast coasts.
In Ireland it has fallen very light & is veering E.wds at Valencia.
Over Denmark the wind is light from W. and over Sweden from S.

WEATHER

Fine over almost the whole of the United Kingdom, but dull at Valencia (Ireland) & squally in the north and northeast of Scotland.
Considerable rain has fallen over Scandinavia, & small amounts over the northern & western parts of our islands.
Bright sunshine recorded yesterday amounted to 5·1 hrs. at York, more than 4 hrs. at Southport and some of our south coast stations, 3·3 hrs. in London.

SEA

Rough in the north and northeast, rather so in the East and at Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The NW.ly wind seems to be gradually dying out. The fresh fall of the barometer points to a probable shift of wind to the SE.wd or S.wd at our western stations shortly. A sharp night is probable over England.

FORECASTS

For the 24 hours ending at NOON on 13th OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW.ly winds, strong, with cold showers; very uncertain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW.ly breezes, moderate to light, and fine; uncertain for tomorrow.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Wind becoming light and probably shifting to SE. & S.; fair at first, unsettled later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	Wind shifting to SE. or S., with rain.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED AT PRESENT.

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 ...	29.26	49	47	S	2	o	4
Sumburgh Head	29.47	47	45	N	4	o	5
Stornoway	29.83	46	46	N	5	c	5
Aberdeen	29.68	45	43	WNW	6	cpq	4
Shields	29.74	54	47	WNW	4	bc	2
Ardrossan	29.82	54	50	WNW	3	b	2
Malin Head ...	29.93	50	46	W	7	bcq	6
Belmullet	30.08	52	49	N	1	c	*
Holyhead	29.94	51	50	NW	5	cp	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.12	53	51	NNW	4	o	4
Scilly	30.11	59	55	WNW	4	c	3
Jersey	30.10	59	56	NNE	5	e	4
Hurst Castle ...	29.99	51	53	WNW	4	c	3
Dungeness ...	29.91	60	55	WNW	5	e	4
North Foreland	29.91	54	48	WSW	4	o	4
London (Westminster)	29.92	58	49	NW	3	c	3#
Yarmouth ...	29.82	53	49	W	5	c	
Rochefort ...	30.18	64	55	7	o	b	*

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

Weather in morning fine and bright over the Mediterranean and several parts of Southwestern Europe, fair over England, but cloudy and changeable over the northwestern countries generally, with showers in many places and very squally weather in the northeast of Scotland and at Holyhead. Considerable rain falling later over Northern Europe and smaller quantities in the north and west of our islands, fine over Wales, the central and Eastern parts of England, and all the southern parts of France. Lunar halo seen in the south and southeast of England.

Temperature fallen decidedly at our northern stations, risen decidedly over Sweden and Norway morning readings highest 67° at San Fernando, 66° at Lisbon, 65° at Algiers, 60° at Brindisi, 58° at Jersey 57° at Scilly & Hurst Castle, 55° at Valencia (Ireland). Lowest (1) 34° at Kuopio, 38° at Helsingfors; (2) 45° at Stornoway & Navin; (3) 34° at Warsaw, 40° at Lemberg, 42° at Vienna, Kieff & Hammanstadt Touching 60° or a little more later, at a few of our extreme southern stations & 63° to 66° on the west & south coasts of France. Falling fast all over the British Islands as night came on, but rising over Northern Europe.

Wind (1) Light and very variable over the southern half of Continental Europe (2) very fresh from NW. and W. over our islands (very strong & squally in the northeast of Scotland), strong from between W. & S. on the eastern shores of the North Sea. Blowing a gale from NW. in the northeast of Scotland later, and strongly on our northwestern coasts.

Barometer. Highest 30.3ins. at Madrid and ranging between 30.3ins. & 30.1ins. over all the southern half of Europe – exceeding 30.0 ins. over the southern half of Russia. Lowest 29.3 ins. & less to 29.4 ins. in a depression lying off the west Coast of Norway. Gradients steep over Scotland, the North Sea, Denmark and Sweden. Depression moving northeastwards later over Norway & becoming still deeper. Barometer rising over our northern districts.

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, 13th October, 1897.

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 ...	29.61	41	SE	4	0	29.56	-.12	40	38	0	SE	4	0	*	0	*	45	37	-
	Hernösand ...	29.38	47	SE	4	r	29.29	-.11	43	42	-2	NW	2	r	*	r	*	48	43	0.35
	Stockholm ...	29.33	45	E	0	b	29.32	-.09	43	42	-4	SSW	2	o	*	b	*	50	41	0.04
	Wisby	29.39	47	SSW	4	bc	29.42	-.05	45	44	-1	WSW	8	c	*	bc	*	50	39	0.04
	Karlstad ...	29.25	46	S	1	0	29.22	-.04	45	43	-2	SSW	2	o	*	r.o	*	*	*	0.67
	Bodö	29.36	49	E	4	b	29.37	+.03	48	43	+1	ESE	4	c	1	b	*	50	43	-
	Christiansund ...	29.10	46	WNW	3	r	29.31	+.34	43	41	0	W	6	c	4	r	*	46	43	0.39
	Skudesnaes ...	29.38	48	NNW	7	o	29.39	+.05	40	40	-7	NNW	2	c	2	c.o	*	49	36	*
	Færder (Christiania Fjord)	29.21	50	W	3	b	29.22	-.03	44	42	-1	NW	2	o	3	b	*	52	43	-
	Skagen (The Scaw)	29.26	48	WNW	4	bc	29.26	-.01	46	43	0	NNW	1	bc	0	bc	*	54	41	0.08
	Fanö	29.55	46	W	7	c	29.50	+.07	44	40	-3	W	7	c	*	c	*	50	41	0.24
	Sumburgh Head	29.58	37	NW	4	r	29.38	-.24	41	41	0	NW	3	r	5	o.r	*	41	33	0.29
	Stornoway ...	29.89	36	N	5	o	29.79	-.15	40	40	+1	N	5	o	5	c.o	1.1	40	33	0.05
	Wick	29.73	42	NW	7	o	29.54	-.24	42	42	+4	NW	8	ou	4	o.sp	*	42	32	0.18
	Nairn	29.84	35	NNW	2	c	29.63	-.27	38	35	-2	NW	4	bc	3	c.prsh	*	42	30	0.04
	Aberdeen ...	29.80	34	NW	6	cq.prsh	29.64	-.18	38	34	-3	NNW	7	bq.u	5	cq.prsh	3.6	43	32	0.13
British Islands.	Leith	29.84	44	E	0	o	29.78	-.12	36	34	-5	WSW	2	bm	*	o	*	52	32	-
	Shields	29.85	45	NNW	2	cm	29.80	-.10	35	33	-3	WSW	3	bm	2	c.cm	*	48	31	-
	Spurn Head ...	29.88	48	W	4	c	29.80	-.09	42	40	-2	WNW	5	b	5	c	*	49	40	-
	York	29.87	45	W	2	c	29.82	-.11	35	32	-3	W	1	b	*	b,c	8.4	50	32	-
	Loughborough ...	29.95	44	W	1	o	29.87	-.10	41	40	+3	WSW	1	om	*	bc.c.om	-	52	38	-
	Ardrossan ...	29.89	43	WNW	3	c	29.81	-.13	43	38	-3	WNW	3	b	2	b.c	*	50	37	-
	Malin Head ...	29.95	45	NNW	4	cp	29.87	-.14	43	41	-2	N	3	cp	2	c.cp	*	46	41	0.04
	Belmullet ...	30.00	47	ENE	1	o	29.84	-.27	44	40	-1	E	3	o	*	bc.o	*	52	40	0.01
	Donaghadee ...	29.96	44	WNW	4	c	29.88	-.14	40	39	-2	WNW	4	c	2	c	*	49	36	0.01
	Liverpool (Bidston)	29.94	45	W	3	r	29.86	-.12	41	39	-6	SSE	1	o	1	cp	*	49	40	0.11
	Holyhead ...	29.95	47	W	2	c	29.86	-.15	47	42	-1	NE	2	bc	1	bc.c	*	51	42	-
	Parsonstown ...	29.99	46	E	0	o	29.85	-.26	42	39	+9	SE	2	o	*	c.o	5.4	51	32	-
	Valencia ...	29.94	51	SSE	1	ov	29.69	-.39	53	52	+5	SE	2	q.r	2	ov.ov	2.1	55	47	0.10
	Roche's Point ..	29.97	49	SE	2	c	29.79	-.32	50	50	+4	SE	5	r	4	c	*	54	45	0.20
	Pembroke (St. Ann's Hd.)	29.99	48	NW	2	bc	29.85	-.20	46	43	-3	E	3	o	3	bc	0.1	52	43	-
	Scilly	29.94	52	ESE	3	r	29.81	-.24	58	56	+5	SW	4	c	3	o.r	0.0	58	49	0.55
	Prawle Point ...	30.00	49	N	3	c	29.85	-.20	47	46	-4	N	2	c	2	c.rm	*	58	44	0.11
	Jersey (St. Aubin's)	30.02	53	WNW	3	bc	29.83	-.21	58	58	+4	WSW	5	omp	4	bc.w	*	58	42	0.21
	Hurst Castle ...	29.99	48	W	1	b	29.85	-.17	45	44	+1	NE	3	om	2	bc.b	*	58	43	-
	Dungeness ...	29.96	46	W	2	b	29.86	-.10	42	42	-3	NNW	2	o	1	bc.b	*	57	39	-
	North Foreland	29.97	48	W	2	c	29.86	-.08	44	43	-1	W	3	m	2	b.c	*	52	39	0.02
	London (Brixton) ...	29.96	48	W	1	cm	29.87	-.12	41	40	-2	SW	1	o.gm	*	bc.o	6.3	54	36	-
	Oxford	29.96	45	W	2	o	29.88	-.12	38	37	-2	WSW	1	c	*	c.o	*	53	36	-
	Cambridge ...	29.95	45	NW	1	o	29.86	-.11	41	39	-1	SW	1	o	*	b,o	9.0	53	38	-
	Yarmouth ...	29.89	46	NNW	3	bc	29.81	-.06	43	41	0	W	3	c	4	b.bc	*	50	40	-
Germany & Holland.	Cuxhaven ...	29.63	48	NNW	5	o	29.64	+.11	42	42	-4	SW	5	r	*	rhp	*	50	41	0.87
	Berlin	29.75	45	WSW	3	bc	29.81	+.17	42	40	-4	WSW	4	o	*	bc	*	52	39	0.08
	Wiesbaden ...	*	*	*	*	*	30.00	+.14	45	45	-2	SW	4	c	*	*	*	54	41	0.08
	Munich	30.05	42	N	3	r	30.04	+.07	43	43	-3	SW	3	bc	*	r	*	52	41	0.20
	The Helder ...	29.81	50	NNW	6	c	29.74	+.01	49	44	0	NNW	6	c	4	c	*	52	48	0.08
Belgium.	Brussels ...	*	*	*	*	*	29.90	-.01	43	41	-1	SSW	2	o	*	c	*	53	?	-
	Cape Gris Nez ...	29.93	52	N	5	o	29.85	-.06	50	44	+3	NW	2	o	2	o	*	50	43	-
	Paris	30.02	46	SW	1	o	30.05	+.05	36	36	-12	SE	1	f	*	o	*	57	35	-
	Brest	30.02	55	NNW	1	c	29.84	-.25	56	55	+2	WSW	3	o	3	c	*	59	48	0.12
	Lorient	30.03	56	N	3	c	29.92	-.14	57	56	0	W	4	c	4	c	*	63	46	0.04
France &	Rochefort ...	30.03	59	NW	2	bc	29.96	-.14	52	51	-5	NW	2	m	*	o,bc	*	64	50	-
	Belfort	?	45	SW	3	o	?29.99	-.05	45	45	+1	E	0	f	*	o	*	48	44	0.16
	Lyons	30.07	51	E	1	c	30.04	-.08	42	42	-4	N	1	c	*	c	*	58	44	-
	Nice	29.93	56	E	0	bc	30.00	+.01	51	49	+2	E	2	bc	1	bc	*	64	48	-
	Perpignan ...	30.05	58	NW	3	o	30.02	-.08	51	48	+7	NNE	2	o	*	o	*	68	44	-
	Biarritz ...	30.04	57	E	4	o	29.95	-.15	46	43	-5	ESE	4	o	3	o	*	63	43	-
Peninsula.	Corunna ...																*			
	Lisbon	30.00	65	S	3	o	29.91	-.18	64	63	-1	S	2	o	*	o	*	70	64	-
	Azores (P. Delgada)	30.16	66	NNE	4	bc	30.11	+.03	64	58	-3	NNW	4	c	3	bc	*	72	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 4.1 hrs;

WEATHER CHARTS

FOR Wednesday, 13th October, 1897.

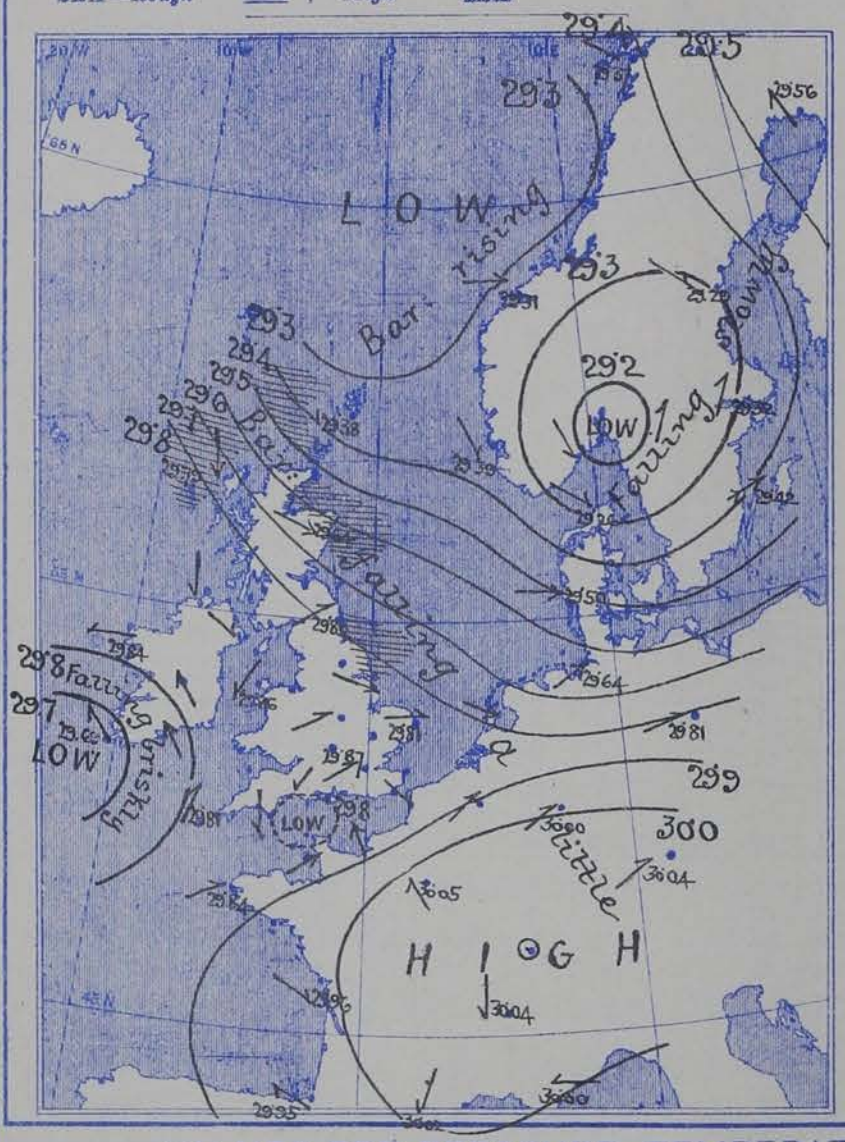
BAROMETER, WIND AND SEA.

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
Rising
Bar.
Falling
Slowly
LOW
Falling
Rising
LOW
Bar.
Falling
Rising
Slowly
LOW
Bar.
Falling
Rising
Slowly
LOW
Bar.
Falling
Rising
Slowly

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 ins: and more over the central southern, and eastern parts of France and over North Germany, and exceeding 29·8 ins: in a band stretching thence in a northwesterly direction across the greater part of England and the northeast of Ireland.
Lowest, (1) 29·2 ins: to 29·3 ins: in a complex depression lying over Scandinavia, and (2) below 29·7 ins: in another lying off the southwest of Ireland.
Gradients still steep for NW. winds over Scotland and the North Sea, and increasing (for SE. winds) over the south of Ireland.
Barometer rising in the west of Norway and over Germany, fallen almost everywhere else – very decidedly over the south of Ireland

TEMPERATURE

Highest, 58° to 56° on our southwestern coasts and the northwestern coast of France.
Lowest, (1) 35° over the northeast of England, 36° at Leith, 38° at Oxford, Aberdeen, and Nairn; (2) 36° at Paris.
Sharp frost has again occurred over the northeastern and northern counties of England, and some frost on the ground even over the southern counties and at Paris.

WIND

(1) NW., strong to a gale over the northeast of Scotland, W. and strong over the North Sea, and SW. over North Germany and the Baltic.
(2) Nearly calm over England; SE. and freshening in the south of Ireland, and SW. over Brittany and the Channel Islands.

WEATHER

Fine over the greater part of England and the Irish Sea; Squally, showery, and angry over the northeast of Scotland, very rainy over the south and southeast of Ireland and on the north coast of France.
A good deal of rain has fallen over the countries lying to the eastward of the North Sea, snow, hail, and rain in the northeast of Scotland, and a considerable amount on our southwest coasts. Bright Sunshine recorded yesterday was as much as 6 to 9·5 hrs in many parts of England, but less in Ireland and Scotland.

SEA

Still rough in the north, moderate in the southwest and the east, smooth off our south coast, moderate on the French side of the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Much rain is probable on our southwest coasts, but over England as a whole a fair day is probable, followed by a very cold night over almost the whole of Great Britain.

FORECASTS

For the 24 hours ending at NOON on 14th Oct. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. winds, strong and squally, with cold showers, frost tonight.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW. winds, fair, then Variable, cold tonight, perhaps rain tomorrow.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Varying and SE. airs, with rain, cold and unsettled
6	SCOTLAND WEST	NW. winds, fresh; colder, fair.
7	ENGLAND N.W.	Varying and SE. winds; fair at first and colder, rainy tomorrow.
8	ENGLAND S.W.	SW. to SE. winds; rainy, unsettled.
9	IRELAND NORTH	Same as No 7.
10	IRELAND SOUTH	SE. winds, strong; rainy.
	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 ...	29.38	49	46	NNW	8	c	4
Sumburgh Head	29.61	40	37	NW	4	o	6
Stornoway	29.92	40	40	N	5	c	5
Aberdeen	29.81	40	38	NW	6	cq prh	4
Shields	29.87	47	41	NNW	4	c	2
Ardrossan	29.91	50	47	WNW	3	b	2
Malin Head ...	29.99	45	42	NNW	5	c	3
Belmullet	30.05	49	44	NE	1	bc	*
Holyhead	30.00	49	45	NNW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.00	54	48	Calm	0	ev	2
Scilly	30.01	54	50	ENE	1	0	2
Jersey	30.03	57	51	NNW	3	bc	3
Hurst Castle ...	30.00	55	48	NNW	2	bc	2
Dungeness ...	29.96	56	49	WNW	3	bc	2
North Foreland	29.97	52	47	N	2	b	2
London (Westminster)	29.97	54	45	NW	2	bc	*
Yarmouth ...	29.90	50	48	NW	4	b	4
Rochefort ...	30.07	62	58	NNW	4	0	*

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

Weather in morning fine and bright (1) over the Mediterranean, the Adriatic, and the south of Russia, (2) over Ireland and England as a whole; dull and changeable elsewhere — squally and very unsettled in the northeast of Scotland, rainy at several stations in Germany and on the eastern shores of the North Sea. A great deal of cold rain falling later at several of the Continental stations, and sleet and hail in the northeast of Scotland: a great deal of warm rain in the Scilly Islands, and later on over the south of Ireland, the Channel Islands, and the north of France.

Temperature fallen very decidedly over the United Kingdom — as much as 16° at Parsonstown and 13° at York. Morning readings highest 68° to 60° at many of the Mediterranean stations, 57° to 54° on the western and northern coasts of France, 53° at Scilly. Lowest (1) 39° at Ukeaborg, 41° at Kuopio; (2) 37° to 39° over the southern parts of Russia; (2) 33° at Parsonstown, 38° at Wick, Shields, and Loughborough, 39° at Stornoway, and 40° at Oxford. Not touching 60° in any part of our Islands later but touching 63° to 64° in the west and south of France, and 68° at Perpignan. Succeeding night frosty in many parts of Great Britain, especially Scotland.

Wind (1) NW to W over the greater part of our Islands and the North Sea, and blowing strongly at the Scotch and Dutch stations and at Skudesnaes. SW to S and fresh over Germany, the Baltic and Gulf of Bothnia and Finland — a moderate gale at Hangö; (2) variable and light over the southern half of England. Becoming SE on our southwestern coasts later, but increasing from the NW in the northeast of Scotland.

Barometer highest 30·1 in. and more to 30·0 in. over Ireland and the southwest of England and the southern parts of Europe generally, including the Mediterranean. Lowest below 29·0 in. in a depression near Christiansund, and below 29·5 in. over Scandinavia generally. The low pressure system in the north undergoing considerable modification later, and a new shallow one approaching our southwestern coasts from the Atlantic.

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, 14th October, 1897.

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 ...	29.47	43	SE	4	0	29.42	-.14	42	42	+ 2	E	2	0	#	0	#	45	39	0.16
	Hernösand ...	29.33	44	NW	4	0	29.35	+.06	38	38	- 5	NW	3	c	#	0	#	46	41	0.24
	Stockholm ...	29.32	41	S	2	c	29.40	+.08	41	39	- 2	SW	2	0	#	c	#	46	37	0.04
	Wisby	29.41	42	SW	4	bc	29.48	+.06	42	40	- 3	W	6	bc	#	bc	#	48	39	0.04
	Karlstad ...	29.28	41	SSW	2	c	29.43	+.21	40	39	- 5	W	2	0	#	c	#	#	#	0.20
	Bodö	29.41	46	E	2	c	29.36	-.01	43	41	- 5	E	2	bc	1	c	#	48	41	-
	Christiansund ...	29.34	41	NSW	2	bc	29.36	+.05	42	41	- 1	NSW	3	0	5	bc	#	43	41	0.08
	Skudesnaes ...	29.46	39	N	2	b	29.47	+.08	43	43	+ 3	SE	4	r	3	c.b	#	46	36	#
	Færder (Christiania Fjord)	29.27	43	NNW	4	0	29.46	+.24	42	39	- 2	SSE	1	b	3	0	#	46	39	0.12
	Skagen (The Scaw)	29.34	39	W	4	c	29.51	+.25	45	40	- 1	WNW	4	b	0	c	#	48	39	-
	Fanö	29.53	44	WNW	6	c	29.70	+.20	48	43	+ 4	W	6	c	#	c	#	48	41	0.16
British Isles.	Sumburgh Head	29.55	43	NW	4	0	29.59	+.21	38	37	- 3	WNW	3	r	5	c.o	#	46	37	0.20
	Stornoway ...	29.80	41	N	5	0	29.77	-.02	36	36	- 4	NNE	4	0	4	r q.o	0.6	44	34	0.10
	Wick	29.70	42	NW	6	0	29.69	+.15	37	36	- 5	N	2	bc	2	0	#	47	33	0.05
	Nairn	29.78	40	NNW	1	c	29.76	+.13	36	35	- 2	W	1	d	1	c	#	46	32	0.01
	Aberdeen ...	29.72	41	NW	6	bq	29.74	+.10	38	35	0	WNW	3	bcp	2	bc q	6.9	45	33	0.12
	Leith	29.78	41	WNW	2	b	29.74	-.04	35	34	- 1	L	0	f	#	b	#	52	30	-
	Shields	29.80	41	SW	2	bm	29.77	-.03	36	34	+ 1	NSW	1	fr	2	b.bm	#	49	30	-
	Spurn Head ...	29.82	46	WNW	3	b	29.82	+.02	44	44	+ 2	SSE	4	ru	4	b	#	48	41	0.06
	York	29.81	42	W	1	b	29.77	-.05	38	38	+ 3	SE	1	r	#	b	9.0	48	32	0.08
	Loughborough ...	29.86	40	W	1	c	29.76	-.11	43	43	+ 2	SE	1	of	#	c.ogm.r	#	52	39	0.09
	Ardrossan ...	29.79	44	NW	2	b	29.73	-.08	35	34	- 8	NE	3	cfw	2	b	#	48	32	-
	Malin Head ...	29.82	43	E	3	bc	29.69	-.18	45	42	+ 2	E	5	0	2	bc	#	46	39	0.03
	Belmullet ...	29.78	47	ESE	5	0	29.58	-.26	45	44	+ 1	E	6	r	#	bc.o	#	50	43	0.10
	Donaghadee ...	29.83	44	NNW	3	bc	29.72	-.16	46	43	+ 6	ENE	4	c	2	bc	#	51	37	0.03
	Liverpool (Bidston)	29.84	46	L	0	bc	29.69	-.17	44	42	+ 3	E	3	m	?	bc	#	48	41	0.14
	Holyhead ...	29.81	47	ENE	2	c	29.65	-.21	47	47	0	ENE	3	dg	2	o.c	#	49	43	0.03
	Parsonstown ...	29.75	45	SE	2	r	29.52	-.33	47	45	+ 5	SE	2	d	#	or	0.0	48	41	0.18
	Valencia ...	29.60	57	SSE	4	0q	29.40	-.29	51	50	- 2	SSE	2	r	3	r ogp	0.2	59	50	1.19
	Roche's Point ...	29.70	53	SE	4	rq	29.47	-.32	54	54	+ 44	? ESE	5	p	4	r	#	55	48	0.95
	Pembroke (St. Ann's Hd.)	29.76	47	ESE	4	r	29.57	-.28	55	54	+ 9	SE	5	ogp	4	or	0.0	55	45	0.10
	Scilly	29.75	57	S	2	c	29.49	-.32	57	57	- 1	SSE	4	r	2	cpm	0.4	60	55	0.11
	Prawle Point ...	29.80	55	S	2	0	29.63	-.22	56	53	+ 9	SSE	5	0	4	or.p	#	56	46	0.25
	Jersey (St. Aubin's)	29.85	58	SE	1	or	29.70	-.13	57	55	- 1	SE	5	cu	4	p.ogp	#	59	55	0.27
	Hurst Castle ...	29.84	51	ENE	1	0	29.72	-.13	58	55	+ 13	S	4	0	2	0	#	58	45	-
	Dungeness ...	29.84	48	NNE	1	bc	29.80	-.06	53	53	+ 11	S	4	cp	3	cp.bc	#	54	42	-
	North Foreland	29.87	48	W	2	0	29.81	-.05	52	50	+ 8	SE	4	om	3	c.o	#	?52	43	0.02
	London (Brixton) ...	29.86	45	N	1	0	29.76	-.11	52	51	+ 11	S	2	c	#	o.cp	0.8	53	41	0.03
	Oxford	29.86	46	W	0	r	29.73	-.15	49	49	+ 11	SE	2	f	#	c,d	#	51	38	0.11
	Cambridge ...	29.87	41	NNW	1	0	29.77	-.09	47	46	+ 6	E	1	ogm	#	c.o	2.6	50	39	0.09
	Yarmouth ...	29.82	43	NNW	2	bc	29.80	-.01	48	46	+ 5	SE	4	c	4	bc	#	49	39	0.09
Germany & Holland.	Cuxhaven ...	29.66	43	SW	5	c	29.68	+.16	44	44	+ 2	SW	3	c	#	cp	#	46	42	0.83
	Berlin	29.79	46	N	2	0	29.93	+.12	41	38	- 1	NSW	3	b	#	0	#	48	39	-
	Wiesbaden ...	#	#	#	#	#	29.95	-.05	50	49	+ 5	SW	1	0	#	#	#	54	45	-
	Munich... ..	30.01	47	SW	1	c	30.08	+.04	41	40	- 2	S	2	b	#	c	#	54	37	-
	The Helder ...	29.79	48	NNW	5	bc	29.84	+.10	44	42	- 5	S	1	0	1	bc	#	50	43	-
Belgium. France &	Brussels ...	#	#	#	#	#	29.91	+.01	45	45	+ 2	SE	1	f	#	r	#	50	37	0.04
	Cape Gris Nez...	29.84	46	ENE	1	m	29.80	-.05	47	45	- 3	S	2	0	2	m	#	52	43	-
	Paris	29.89	52	SSW	1	0	29.88	-.17	43	43	+ 7	SE	1	m	#	0	#	57	36	0.04
	Brest	29.84	57	S	2	c	29.60	-.24	59	57	+ 3	SSE	4	c	3	c	#	61	52	-
	Lorient... ...	29.86	55	L	0	bc	29.66	-.26	57	57	0	SE	1	m	2	bc	#	63	52	-
	Rochefort ...	29.87	60	E	2	b	29.77	-.19	51	50	- 1	SSE	4	b	#	bc.b	#	72	48	-
	Belfort	29.95	50	W	1	0	29.99	.00	45	43	0	L	0	m	#	o	#	54	39	0.08
	Lyons	29.98	54	S	1	b	29.98	-.06	46	45	+ 4	SE	1	b	#	b	#	62	42	-
	Nice	30.03	55	L	0	b	30.05	+.05	50	47	- 1	E	5	b	1	b	#	64	48	-
	Perpignan ...	29.98	55	NE	2	0	29.90	-.12	64	60	+ 13	WNW	1	b	#	0	#	64	60	-
	Biarritz ...	29.83	63	E	3	b	29.75	-.20	66	58	+ 22	S	4	bc	2	b	#	72	44	-
Penin-sula.	Corunna ...																#			
	Lisbon	29.84	64	W	2	b	29.74	-.17	61	60	- 3	NE	3	0	#	b	#	70	61	-
	Azores (P. Delgada)																#			

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

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

Bright Sunshine yesterday Southport 1.9 hrs;

WEATHER CHARTS

FOR Thursday, 14th October, 1897.

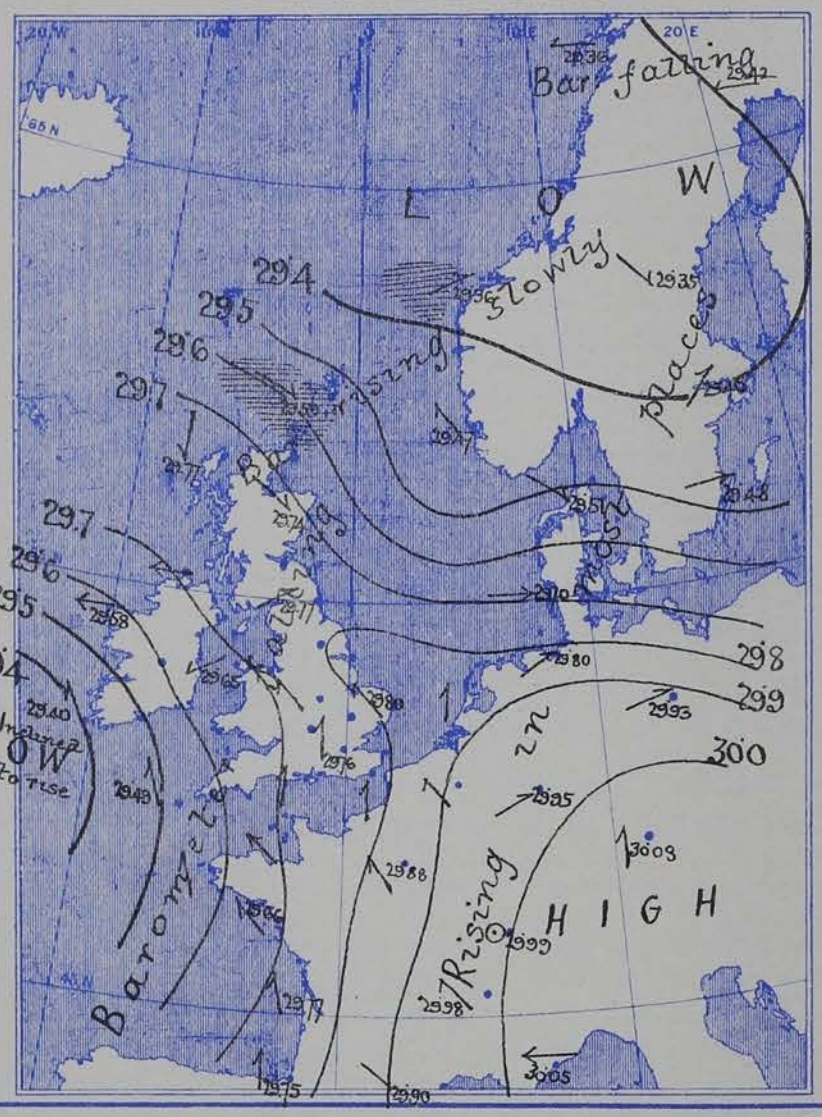
BAROMETER, WIND AND SEA.

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* ▤

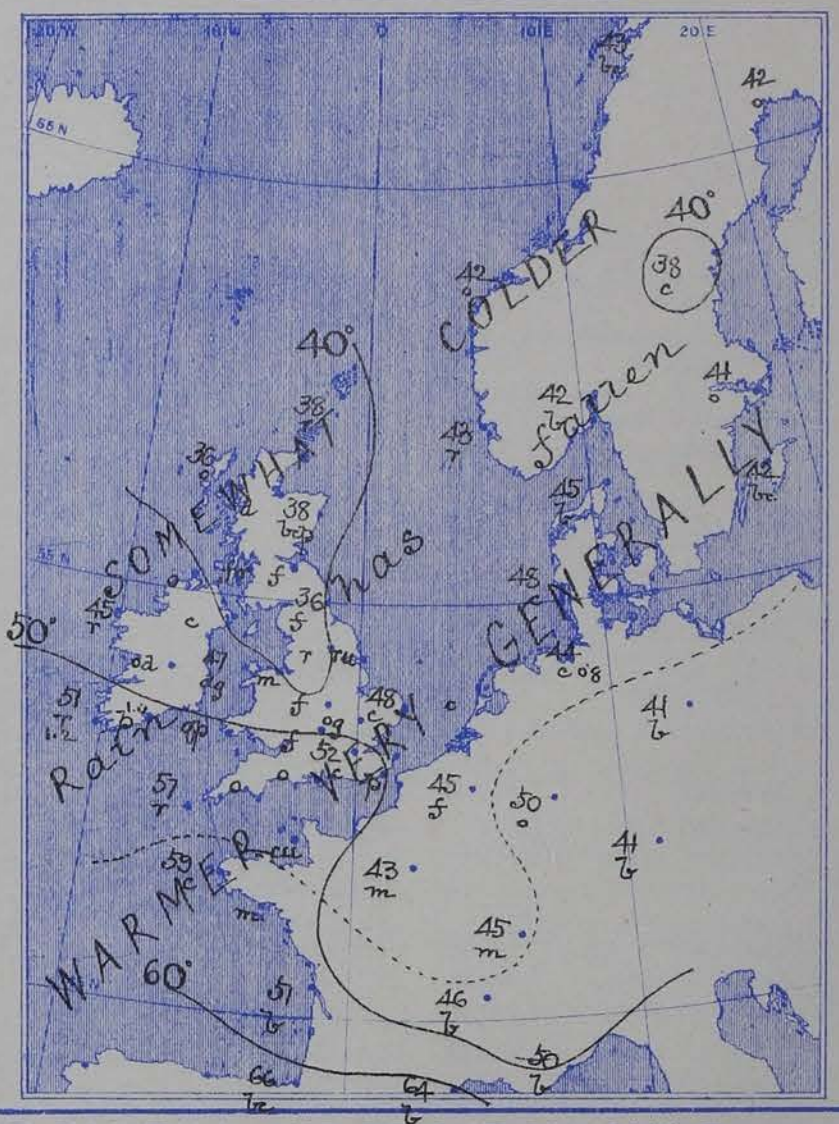


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92. 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	55 · 3	46 · 3	65	1873, 76, 77. 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and upwards over South Germany and the southeast of France.
Lowest 29.4 ins. & less in a depression lying off the southwest of Ireland & also in a large shallow area over all the more northern parts of Scandinavia.
Gradient moderate or slight generally, but rather steep over the northern parts of the North Sea.
Barometer falling in most parts of our islands and France, but rising elsewhere.

TEMPERATURE

Highest 66° at Biarritz, 64° at Perpignan, 61° at Lisbon, 59° at Brest, 58° at Hurst Castle & 57° at Scilly Jersey and Lomont.
Lowest (1) 35° at Leith & Ardrossan & 36° at Stornoway, Nairn & Shields; (2) 38° at Hernosand & 40° at Karlstad.
Frost occurred last night over the northern parts of Great Britain; at Leith and Shields the thermometer in the screen fell to 30°.

WIND

SE^{3} over the southern parts of our islands, and also over the greater part of France & the Netherlands; fresh in force at most of our southwestern stations. E^{3} on our northwest coast.
Light from the N^{wd} or NW^{wd} in the north of Scotland; moderate to strong from the W^{wd} over Denmark, North Germany & the south of Sweden; SE^{3} in the south of Norway; E^{3} in the north of Scandinavia.

WEATHER

Cloudy & unsettled over our islands generally, with rain or passing showers in many places, & fog over Central & northeastern parts of Gt Britain.
Fair or fine over Denmark, Germany & the southern parts of France; cloudy at most of the Scandinavian stations with rain at Skudesnaes.
Since yesterday morning rain has fallen in nearly all parts of Northwestern Europe; — heavily in the south of Ireland, and also at Cuxhaven; at Valencia the amount measured this morning was as much as 1.2 ins.

SEA

Moderate to smooth generally, but rather rough at Lumbrough Head and Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the southwest of Ireland will probably continue to spread seaward, and changeable showery weather is therefore likely in most districts, with fairly high temperatures in the south.

FORECASTS

For the 24 hours ending at NOON on 15th OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light breezes shifting to the E^{ns}; changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SE^{by} winds, freshening, unsettled, rain at times, milder.
3	ENGLAND EAST	S^{by} and SE^{by} winds, freshening; mild, changeable, some showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	E^{by} winds, freshening; unsettled, some rain, milder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SE^{by} winds fresh or strong; unsettled, rain at times.
9	IRELAND NORTH	E^{by} winds, strong in places; changeable, some showers.
10	IRELAND SOUTH	SE^{by} and E^{by} winds, fresh; unsettled, rain at times.
	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 ...	29.41	46	42	NNW	6	c	2
Sumburgh Head	29.43	44	43	NW	4	c	6
Stornoway	29.80	44	44	N	5	o	5
Aberdeen	29.68	45	40	NW	8	bcq	5
Shields	29.77	48	42	SW	3	b	2
Ardrossan	29.81	48	43	NNW	3	b	2
Malin Head ...	29.84	46	43	NE	3	bc	2
Belmullet	29.78	49	43	ESE	5	bc	*
Holyhead	29.84	49	43	ENE	1	bc	1
Valencia	29.63	56	55	SSE	3	o g p	4
Scilly	29.79	59	57	SSW	2	cmp	1
Jersey	29.85	58	57	NW	3	o	3
Hurst Castle ...	29.85	52	48	NE	2	o	4
Dungeness ...	29.83	47	46	NNE	3	cp	2
North Foreland	29.84	49	45	W	2	c	2
London (Westminster)	29.83	52	45	NW	1	c	*
Yarmouth ...	29.81	46	40	NW	3	bc	4
Rochefort ...	29.92	68	62	SE	2	bc	*

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

Weather in morning fine over the northern parts of Great Britain as a whole, but dull in the extreme north of Scotland, with rain at Sumburgh Head. Cloudy or dull in the west and south of our islands, as well as over the greater part of the Continent; rain falling in the south of Ireland and at some of the English Channel stations, as well as in several parts of Finland, Sweden and North Germany and at Florence. Fair or fine over Austria and South Germany. Rain falling later over Northwestern and Northern Europe generally, – heavily in the south of Ireland and at Cuxhaven.

Temperature fallen in most places, but risen in the southwest of our islands, as well as in Italy and the south of Russia. Morning readings highest 68° at Algiers, 66° at La Calle & Sfax and 64° at Lisbon and Barcelona. Lowest (1) 33° at Hermanstadt and 39° at Buda Pesth; (2) 35° at Shields and York and 36° at Leith; (3) 36° at Paris. Daily maxima below 50° at most of our own northern stations and below 55° on all but our extreme south coasts; thermometer exceeding 60° in the west and south of France reaching 72° at Biarritz. Frost occurring at night over the northern parts of Great Britain.

Wind strong to a gale from the NW. in the northeast of Scotland, from the W. over the North Sea and Denmark and from the SW. over the Baltic; moderate from S. over the Gulf of Finland & from the SE. or E. in the north of Scandinavia. NE ½ in the extreme south of England, but W ½ or SW ½ in the north of France – SE ½ in the south of Ireland. Light from the E or NE. over Spain & the south of France; variable in Italy and Austria; N ½ in the south of Russia. Gale in northeast of Scotland subsiding later. No important change occurring elsewhere.

Barometer highest 30.1 ins and upwards over the Balkan provinces, Italy and the neighbouring parts of the Mediterranean. Lowest 29.2 ins and less in a small depression over the south of Scandinavia; 29.3 ins. and less in a larger disturbance off the west of Norway; 29.7 ins and less in a third system off the southwest of Ireland. Northern depressions gradually dispersing later; disturbance off the southwest of Ireland spreading slowly eastwards.

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, 15th October, 1897.

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 ...	29.48	39	E	2	c	29.58	+.16	37	36	- 5	2	0	0	*	c	*	45	37	-
	Hernösand ...	29.52	38	2	0	0	29.60	+.25	37	36	- 1	2	0	b	*	0	*	48	36	-
	Stockholm ...	29.61	42	NNW	2	0	29.84	+.44	41	40	0	N	2	b	*	0	*	46	34	-
	Wisby	29.88	46	N	10	b	29.94	+.46	46	44	+4	SW	4	0	*	b	*	48	37	-
	Karlstad ...	29.59	39	SW	2	b	29.82	+.39	37	35	- 3	W	2	bc	*	b	*	*	*	-
	Bodö	29.50	42	2	0	b	29.62	+.26	40	39	- 3	SE	2	c	1	b	*	48	36	-
	Christiansund ...	29.43	46	NNW	3	c	29.70	+.34	39	38	- 3	W	4	b	5	c	*	48	37	0.04
	Skudesnaes ...	29.67	42	NNW	4	bc	29.79	+.32	41	41	- 2	2	0	r	1	c.bc	*	47	34	*
	Færder (Christiania Fjord)	29.58	46	NNW	5	b	29.78	+.32	43	40	+ 1	W	2	0	3	b	*	46	42	-
	Skagen (The Scaw)	29.71	46	NNW	5	b	29.80	+.29	45	43	0	SSW	1	0	0	b	*	48	41	0.08
	Fanö	29.79	46	2	0	r	29.69	-.01	51	50	+ 3	S	4	0	*	r	*	51	45	0.32
	Sumburgh Head	29.66	40	NW	3	bc	29.72	+.13	35	32	- 3	N	1	c	4	bc	*	43	31	0.12
	Stornoway ...	29.72	39	NNE	4	0	29.56	-.21	40	40	+ 4	E	4	c.o	G.1	41	34	0.22		
	Wick	29.69	42	N	2	0	29.60	-.09	43	43	+ 6	SE	5	ou	4	0	*	45	35	0.03
	Nairn	29.71	35	E	1	bc	29.54	-.22	40	38	+ 4	E	1	0	1	bc	*	44	31	-
	Aberdeen ...	29.71	38	N	2	c	29.58	-.16	43	41	+ 5	ESE	7	0 qr	6	bc.c	5.9	46	38	0.09
British Isl.	Leith	29.66	43	E	2	r	29.45	-.20	45	45	+ 10	E	3	r	*	r	*	45	33	0.39
	Shields	29.64	43	NE	2	r	29.46	-.31	50	50	+ 14	ESE	3	r	3	fom.r	*	50	34	0.51
	Spurn Head ...	29.59	52	SE	4	r	29.49	-.33	52	52	+ 8	SSE	4	cm	4	r	*	52	44	0.16
	York	29.58	44	ENE	1	r	29.45	-.32	48	48	+ 10	SE	1	f	*	or	0.0	48	38	0.56
	Loughborough ...	29.57	53	SE	1	0	29.46	-.30	53	53	+ 10	SE	2	cmw	*	omp.cm	*	54	43	0.06
	Ardrossan ...	29.61	42	SE	3	rf	29.28	-.45	44	44	+ 9	E	5	r	3	of.rf	*	44	34	0.244
	Malin Head ...	29.57	40	ESE	6	r	29.12	-.57	46	46	+ 1	ESE	8	r	6	r	*	46	36	0.55
	Belmullet ...	29.38	45	ENE	3	0	29.03	-.55	49	48	+ 4	E	5	r	*	r.o	*	49	44	0.96
	Donaghadee ...	29.54	43	NE	6	r	29.20	-.52	50	50	+ 4	E	8	r	6	r	*	50	41	0.56
	Liverpool (Bidston)	29.52	50	ESE	3	r	29.34	-.35	55	53	+ 11	ESE	4	0	?	rf	*	55	43	0.39
	Holyhead ...	29.46	54	S	1	qrf	29.21	-.44	57	56	+ 10	SSE	4	ou	3	rm.qf	*	57	47	0.62
	Parsonstown ...	29.45	48	E	1	b	29.07	-.45	53	52	+ 6	N	0	or	*	b	4.4	57	45	0.13
	Valencia ...	29.36	55	ESE	1	0	29.03	-.37	52	50	+ 1	S	4	bc	4	bcr,o	6.8	60	50	0.67
	Roche's Point ..	29.43	55	S	3	0	29.13	-.34	56	54	+ 2	SSW	6	c	5	bc.rq	*	60	51	0.60
	Pembroke (St. Ann's Hd.)	29.49	56	SW	5	0	29.24	-.33	59	57	+ 4	SW	7	0	6	0.q	0.0	59	54	0.60
	Scilly	29.42	57	SSE	5	r	29.24	-.25	57	56	0	SSW	5	c	3	r	0.0	58	53	0.28
	Prawle Point ...	29.55	58	SSE	4	0	29.38	-.25	57	57	+ 1	S	5	or	4	or.c	*	58	55	0.05
	Jersey (St. Aubin's)	29.61	59	NE	1	om	29.49	-.21	60	57	+ 3	SE	5	cgm	5	o.cw	*	61	55	-
	Hurst Castle ...	29.61	59	SSW	3	0	29.51	-.21	60	57	+ 2	S	5	om	3	o.om	*	61	57	-
	Dungeness ...	29.67	59	S	4	0	29.58	-.22	59	58	+ 6	S	5	c	4	c.o	*	61	53	-
	North Foreland	29.69	58	SE	2	0	29.58	-.23	58	55	+ 6	SE	4	c	3	bc.o	*	59	51	0.02
	London (Brixton) ...	29.64	57	S	2	c	29.53	-.23	58	55	+ 6	SSW	3	bc	*	o.bw	0.3	63	52	-
	Oxford	29.59	55	SSE	3	0	29.46	-.27	56	54	+ 7	SSE	2	oq	*	oq	*	59	49	-
	Cambridge ...	29.62	55	S	1	0	29.52	-.25	54	53	+ 7	SSE	1	omw	*	o	0.2	58	45	0.01
	Yarmouth ...	29.65	53	SSE	3	c	29.56	-.24	55	53	+ 7	SSE	4	bc	4	c	*	55	47	0.01
Germany & Holland.	Cuxhaven ...	29.85	?	N	0	?	29.77	-.03	48	48	+ 4	S	3	bc	*	?	*	50	44	-
	Berlin	29.97	48	SW	3	0	29.97	+.04	44	43	+ 3	SE	2	b	*	0	*	54	41	-
	Wiesbaden ...	*	*	*	*	*	29.95	.00	44	43	- 6	NE	2	b	*	*	*	61	43	-
	Munich	30.03	45	SE	3	b	30.05	-.03	39	38	- 2	E	2	b	*	b	*	59	36	-
	The Helder ...	29.73	50	SSE	1	m	29.68	-.23	50	49	+ 6	S	1	bc	1	m	*	52	44	0.04
Belgium.	Brussels ...	*	*	*	*	*	29.76	-.15	54	50	+ 9	SSE	4	bc	*	0	*	64	45	-
	Cape Gris Nez ...	29.70	56	S	2	0	29.61	-.19	56	53	+ 9	S	5	0	5	0	*	64	45	-
	Paris	29.78	57	SE	2	b	29.73	-.15	53	50	+ 10	SE	3	b	*	b	*	66	43	-
	Brest	29.54	59	SSE	4	c	29.36	-.24	59	59	0	SSE	4	r	4	c	*	61	54	0.12
	Lorient	29.58	60	SSE	4	m	29.45	-.21	61	61	+ 4	S	4	m	5	m	*	66	52	-
France &	Rochefort ...	29.67	64	S	2	0	29.57	-.20	60	55	+ 9	S	6	0	*	0	*	70	46	-
	Belfort	29.91	55	E	1	b	29.92	-.07	48	44	+ 3	E	1	b	*	b	*	66	45	-
	Lyons	29.91	58	S	3	b	29.88	-.10	50	49	+ 4	SE	1	b	*	b	*	64	?	-
	Nice	30.02	60	E	5	bc	30.00	-.05	61	52	+ 11	E	5	bc	6	bc	*	66	50	-
	Perpignan ...	29.91	59	SE	3	b	29.88	-.02	59	59	- 5	SE	2	r	*	b	*	68	55	0.04
	Biarritz ...	29.65	70	SE	3	b	29.63	-.12	?	?	?	S	4	0	2	b	*	81	63	-
Peninsula.	Corunna ...																*			
	Lisbon	29.66	65	SW	4	c	29.61	-.13	63	62	+ 2	SSE	3	0	*	c	*	70	61	0.24
	Azores (P. Delgada)	29.84	59	NNW	4	b	29.88	+.08	61	55	- 5	NW	3	bc	3	b	*	68	57	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 0.0 hrs;

WEATHER CHARTS

FOR FRIDAY 15th October, 1897.

BAROMETER, WIND AND SEA.

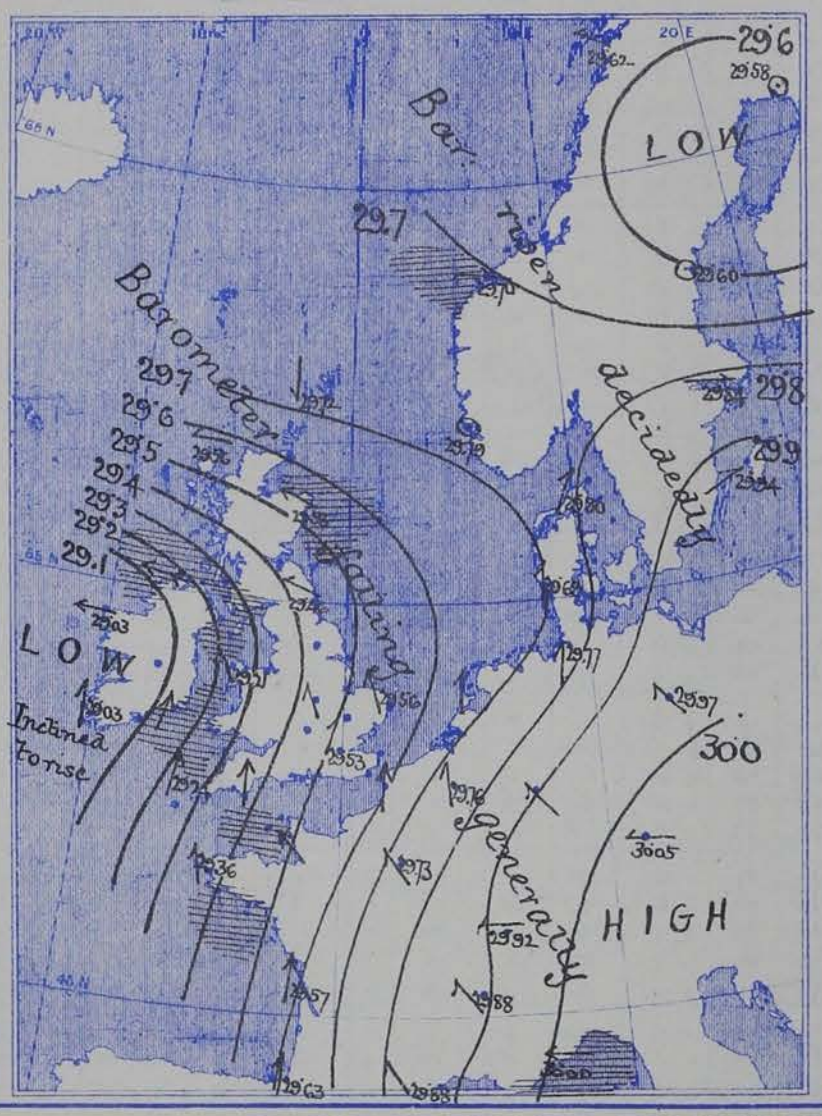
BAROMETER—Isobars are drawn for each tenth of an inch.

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 OCTOBER.*

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	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4 31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29 847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	55·3	46·3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29 907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29 874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest (1) 30·0 ins. and more over Austria and S. Germany, and exceeding 29.8 in. over the whole of the SE of France, Germany and the Baltic; (2) exceeding 29.7 in., also in a "ridge" stretching W^wds across the S. of Norway and the Shetland Islands.
Lowest (1) 29.1 in. and less over all the W^rn. half of Ireland.
Gradients steep over Gt. Britain – especially in the NW^n. and N^rn. districts
Barometer falling decidedly on our NW^n. coasts, rising over Scandinavia, and beginning to rise at Valencia.

TEMPERATURE — Highest 61° at Nice and Lorient, 60° at Rochefort and Hurst Castle, and exceeding 55° over all the southern parts of England and Ireland.
Lowest (1) 35° at Nunburgh Ht., 40° at Stornoway and Nairn, 43° at Aberdeen; (2) 37° at Haparanda, Hernosand and Carlstad.
It had again risen decidedly over our Islands, and the rise was spreading N^wds. The maxima recorded yesterday exceeded 60° over many parts of England, and in London 63° was recorded.

WIND — S^ly, moderate to strong over the southern parts of our area, E^ly strong to a gale over our northern districts; much lighter over the Continent and chiefly SE^ly over central Europe, very variable (but cyclonic) in the north.

WEATHER — Fine over Germany, France and the E. of England, very rainy and squally over our NW^rn. and N^rn. districts.
The falls of rain have been heavy in the W^rn. and NW^n. parts of our Islands – very slight and local in the E. and S. of France. Halos were seen yesterday at our S^rn. and SE^rn. stations. Bright sunshine exceeded 6 hrs. at some of the Irish and Scotch stations, and exceeded 3 hrs. on some of our S^rn. coasts, but in many parts of England there was hardly any.

SEA — Rough in the NE. and NW, moderate in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable unsettled weather is probable – mild and showery in the S. of our Islands – E^ly gales and much rain in the N.

FORECASTS

For the 24 hours ending at NOON on 16TH OCTOBER 1897.

DISTRICTS.	FORECASTS.
▲ 1 SCOTLAND NORTH	E^ly and SE^ly gales; very rainy and rough weather.
▲ SCOTLAND EAST	
2 ENGLAND N.E.	SE^ly winds, moderate or fresh; rainy.
3 ENGLAND EAST	Same as No. 5.
4 MIDLAND COUNTIES	Same as No. 2.
5 ENGLAND SOUTH	S^ly and SW^ly winds, fresh to strong; fair and warm, then showery and cooler.
▲ 6 SCOTLAND WEST	Same as Nos. 0 and 1.
▲ 7 ENGLAND N.W.	SE^ly to SW^ly winds, very strong; squally, rain at times.
8 ENGLAND S.W.	Same as No. 5.
▲ 9 IRELAND NORTH	Same as Nos. 0 and 1.
10 IRELAND SOUTH	Same as No. 5.
WARNINGS	At 9.55 am today to districts 0, 1, 6, 7 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.
Skudesnaes ...	29.60	47	44	NW	7	c	2
Sumburgh Head	29.65	42	37	NW	3	bc	4
Stornoway	29.75	41	41	ENE	4	c	4
Aberdeen	29.73	42	39	N	3	bc	3
Shields	29.72	42	40	E	0	om	2
Ardrossan	?	?	?	NE	3	o	2
Malin Head ...	29.59	45	42	E	6	r	3
Belmullet	29.54	44	44	E	3	r	*
Holyhead	?29.60	52	52	E	2	gm	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.41	60	54	SSE	1	bcv	2
Scilly	29.48	57	56	SSE	3	r	2
Jersey	29.65	61	59	SE	4	o	3
Hurst Castle ...	29.64	59	56	SSW	3	o	2
Dungeness ...	29.70	61	59	S	4	c	3
North Foreland	29.72	59	56	SE	3	bc	2
London (Westminster)	29.65	61	55	SSE	4	o	*
Yarmouth ...	29.71	54	52	SSE	3	c	4
Rochefort ...	29.72	70	63	SSE	3	b	*

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

Weather in morning fine and quiet over the Mediterranean, central, southeastern and eastern Europe and fair over most of the E^rn. parts of Gt Britain; dull and very changeable elsewhere, with rain at many of the stations in the British Islands and at several in N^rn. Europe, and an angry appearance at Jersey. Much rain later in Ireland and the NW. and N. of England, and a considerable fall at Paris. Very local falls in some parts of the Continent, and some slight showers over England.

Temperature rising quickly over Ireland and England, changing irregularly on the Continent. Morning readings highest 69° to 60° on the S^rn. and W^rn. shores of the Mediterranean, 59° to 50° on the coasts of Brittany, the Channel Islands and the SW^rn. coasts of the British Islands Lowest (1) 35° to 40° over the central and S^rn. parts of Russia; (2) 35° to 38° over the N^rn. parts of Gt. Britain; (3) 43° at Paris. Rising to more than 60° over many parts of England later, to 63° in London, 66° at Paris and Nice, and 70° at Rochefort and to 81° at Biarritz.

Wind (1) Light and variable (anticyclonic) over France, the Mediterranean, SE^rn. and E^rn. Europe; (2) Cyclonic over N^rn. Europe — moderate in most places, but blowing a gale from WSW. over the S^rn. side of the Baltic; (3) cyclonic from between SE. and E. over England and Ireland, but not strong anywhere. Not much change later.

Barometer highest 30.3 ins. to 30.0 ins. over all the SE^rn. parts of Europe, and exceeding 29.7 ins. in a col stretching NW^rly. across the Netherlands and Gt. Britain to beyond the W. of Scotland (apparently a second high-pressure system lay away to the NW^rd. of our Islands). Lowest (1) Below 29.4 ins. in a shallow depression over Scandinavia, and also in another lying to the SW^rd. of Ireland. Former system filling up, latter growing 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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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 16 October, 1897.

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 ...	29.81	35	W	2	b	30.04	+.46	33	33	- 4	NNE	2	f	#	b	#	45	33	-
	Hernösand ...	29.94	32	NW	0	b	30.04	+.44	?	?	?	NE	4	f	#	b	#	46	32	0.04
	Stockholm ...	30.00	43	NW	0	0	30.04	+.20	48	48	+ 7	SE	2	f	#	0	#	48	34	-
	Wisby	30.01	48	SSW	4	bc	30.07	+.13	48	48	+ 2	SSW	4	f	#	bc	#	48	41	0.08
	Karlstad ...	29.90	45	ESE	2	0	29.91	+.09	49	48	+ 12	SE	2	0	#	0	#	#	#	-
	Bodö	29.88	42	SW	4	0	29.92	+.30	39	37	- 1	NE	2	0	1	0	#	?	37	0.08
	Christiansund ...	29.81	37	W	1	c	29.52	-.18	43	42	+ 4	ESE	3	0	4	c	#	43	37	0.35
	Skudesnaes ...	?	32	ESE	8	c	29.66	-.13	55	54	+ 14	SSE	6	0	4	0.c	#	55	39	#
	Færder (Christiania Fjord)	29.85	45	ENE	2	0	29.82	+.04	52	52	+ 9	S	2	m	3	0	#	?	43	-
	Skagen (The Scaw)	29.83	53	SSW	2	m	29.83	+.03	51	51	+ 6	S	3	m	0	m	#	57	43	0.16
	Fanö	29.78	55	SSE	4	b	29.76	+.07	49	47	- 2	SSE	5	b	#	b	#	55	48	-
	Sumburgh Head	29.47	40	ENE	4	r	29.35	-.97	50	50	+ 15	ESE	2	0	6	0.r	#	50	34	0.24
	Stornoway ...	29.24	40	ESE	1	r	29.20	-.36	48	48	+ 8	E	3	0	4	r	0.0	48	34	0.80
	Wick	29.29	43	SE	1	r	29.24	-.36	51	51	+ 8	S	1	r	3	r	#	51	40	0.25
	Nairn	29.25	46	NW	0	0	29.22	-.32	50	49	+ 10	E	1	c	1	0	#	50	35	0.23
	Aberdeen ...	29.28	53	S	3	og	29.28	-.30	52	52	+ 9	SSE	4	ogqr	5	orq.g	0.0	53	43	1.10
	Leith	29.28	52	NW	0	0	29.20	-.25	54	52	+ 9	ESE	2	0	#	0	#	55	44	0.24
	Shields	29.34	57	S	2	r	29.30	-.16	53	52	+ 3	SSE	4	op	3	or	#	58	49	0.40
	Spurn Head ...	29.42	57	SSE	4	0	29.46	-.03	54	54	+ 2	SSE	5	c	4	op	#	59	52	0.11
	York	29.38	58	SE	2	p	29.40	-.05	55	53	+ 7	S	3	b	#	o.p.m	0.0	59	47	0.37
	Loughborough ...	29.43	56	S	3	r	29.49	+.03	54	52	+ 1	SW	3	bv	#	c.p.r.q.b	#	61	53	0.48
British Islands.	Ardrossan ...	29.22	55	ESE	2	c	29.16	-.12	54	53	+ 10	S	6	bc	4	r.c	#	55	42	0.74
	Malin Head ...	29.06	54	S	6	bc	29.01	-.11	50	50	+ 4	S	5	bc	2	bc.r	#	57	46	0.45
	Belmullet ...	29.00	55	SE	3	0	29.13	+.10	52	50	+ 3	WSW	5	0	#	b.bc.o	#	56	49	0.20
	Donaghadee ...	29.21	54	SSW	1	bc	29.18	-.02	51	50	+ 1	SW	6	bc	4	r.bc	#	59	48	0.55
	Liverpool (Bidston)	29.32	54	ESE	2	r	29.39	+.05	55	51	0	SSW	5	c	4	rm	#	59	52	0.19
	Holyhead ...	29.26	56	SSE	4	cgm	29.32	+.11	54	50	- 3	SW	6	bc	5	cp.gm	#	59	50	0.09
	Parsonstown ...	29.11	54	E	2	bc	29.28	+.21	50	46	- 3	SE	1	bc	#	r.bl	4.8	58	48	0.12
	Valencia ...	28.94	54	SSE	4	og	29.31	+.28	52	48	0	SSW	5	bcp	5	cp	3.5	57	50	0.34
	Roche's Point ..	29.08	57	SSW	1	gp	29.37	+.24	54	50	- 2	WSW	5	bc	5	gp.tl	#	60	50	0.56
	Pembroke (St. Ann's Hd.)	29.27	57	SSW	6	c	29.44	+.20	56	53	- 3	WSW	7	b	6	0	0.0	59	55	0.10
	Scilly	29.19	58	SSE	5	0	29.50	+.26	58	55	+ 1	SSW	4	bc	3	c.o.l	2.9	60	53	0.11
	Prawle Point .	29.36	57	S	5	r	29.59	+.21	57	55	0	SW	6	bc	5	rq.p	#	58	54	0.25
	Jersey (St. Aubin's)	29.46	61	SSE	3	gmr	29.72	+.23	60	57	0	SSW	4	bm	4	om.r	#	63	57	0.53
	Hurst Castle ...	29.44	62	S	4	0	29.65	+.14	60	58	0	SW	6	cm	4	0	#	62	56	0.54
	Dungeness ...	29.54	61	SSE	5	bc	29.66	+.08	59	57	0	SSW	5	c	4	c.bc	#	62	57	0.01
Germany & Holland.	North Foreland	29.58	60	SE	4	c	29.67	+.09	59	57	+ 1	S	4	c	3	bc.c	#	62	57	-
	London (Brixton) ...	29.49	61	SSE	4	0	29.64	+.11	58	55	0	SW	3	c	#	bc.ogr	1.8	64	54	0.03
	Oxford	29.44	56	S	2	r	29.56	+.10	56	53	0	SSW	4	b	#	ogr	#	61	53	0.46
	Cambridge ...	29.49	60	S	3	0	29.58	+.06	57	55	+ 3	SW	3	0	#	c.0	1.7	64	53	0.02
	Yarmouth ...	29.52	56	SSE	5	bc	29.60	+.04	57	54	+ 2	SSW	5	c	4	bc	#	59	53	-
Belgium.	Cuxhaven ...	29.80	57	S	3	b	29.80	+.03	48	47	0	S	3	b	#	b	#	64	46	-
	Berlin	29.99	53	SSE	3	b	29.99	+.02	48	47	+ 4	SE	2	b	#	b	#	64	44	-
	Wiesbaden ...	*	*	*	*	*	29.93	-.02	46	45	+ 2	NE	2	c	*	*	#	63	43	-
	Munich... ..	29.97	45	SE	2	b	30.02	-.03	45	43	+ 6	E	2	b	#	b	#	61	39	-
	The Helder ...	29.66	57	S	2	bc	29.68	.00	54	52	+ 4	S	3	r	1	bc	#	61	50	-
	Brussels ...	*	*	*	*	*	29.78	+.02	59	54	+ 5	S	3	0	#	c	#	67	54	-
	Cape Gris Nez...	29.56	62	S	5	c	29.66	+.05	57	55	+ 1	SW	4	0	4	c	#	66	54	-
	Paris ...	29.65	64	SE	2	bc	29.80	+.07	59	56	+ 6	SSW	2	c	#	bc	#	71	53	-
	Brest	29.36	58	SSE	5	0	29.62	+.26	58	57	- 1	S	4	bc	5	0	#	61	54	0.28
	Lorient... ...	29.43	59	SSW	3	r	29.70	+.25	59	58	- 2	SW	5	0	5	r	#	66	50	0.16
France &	Rochefort ...	29.55	64	SSE	5	r	29.80	+.23	59	57	- 1	SSW	3	0	#	o.r	#	68	55	0.24
	Belfort	29.81	57	E	4	o	29.88	-.04	56	48	+ 8	NE	4	c	#	c	#	64	48	-
	Lyons	29.74	67	S	4	bc	29.89	+.01	57	56	+ 7	E	1	r	#	bc	#	72	52	0.12
	Nice	29.95	66	E	5	bc	29.90	-.10	60	58	- 1	E	6	r	5	bc	#	68	57	0.39
	Perpignan ...	29.83	60	S	1	0	29.87	-.01	59	59	0	E	1	0	#	0	#	61	59	0.47
	Biarritz ...	29.56	70	SSE	3	0	29.84	+.21	58	57	- 10	ESE	3	r	2	0	#	72	57	0.39
Penin-sula.	Corunna ...																#			
	Lisbon	29.79	60	WSW	3	b	30.04	+.43	64	62	+ 1	WSW	1	b	#	b	#	66	59	0.67
	Azores (P. Delgada)	29.77	67	WSW	5	0	29.67	-.21	63	62	+ 2	WNW	4	f	4	0	#	70	59	0.71

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;

WEATHER CHARTS

FOR Saturday, 16th October, 1897.

BAROMETER, WIND AND SEA.

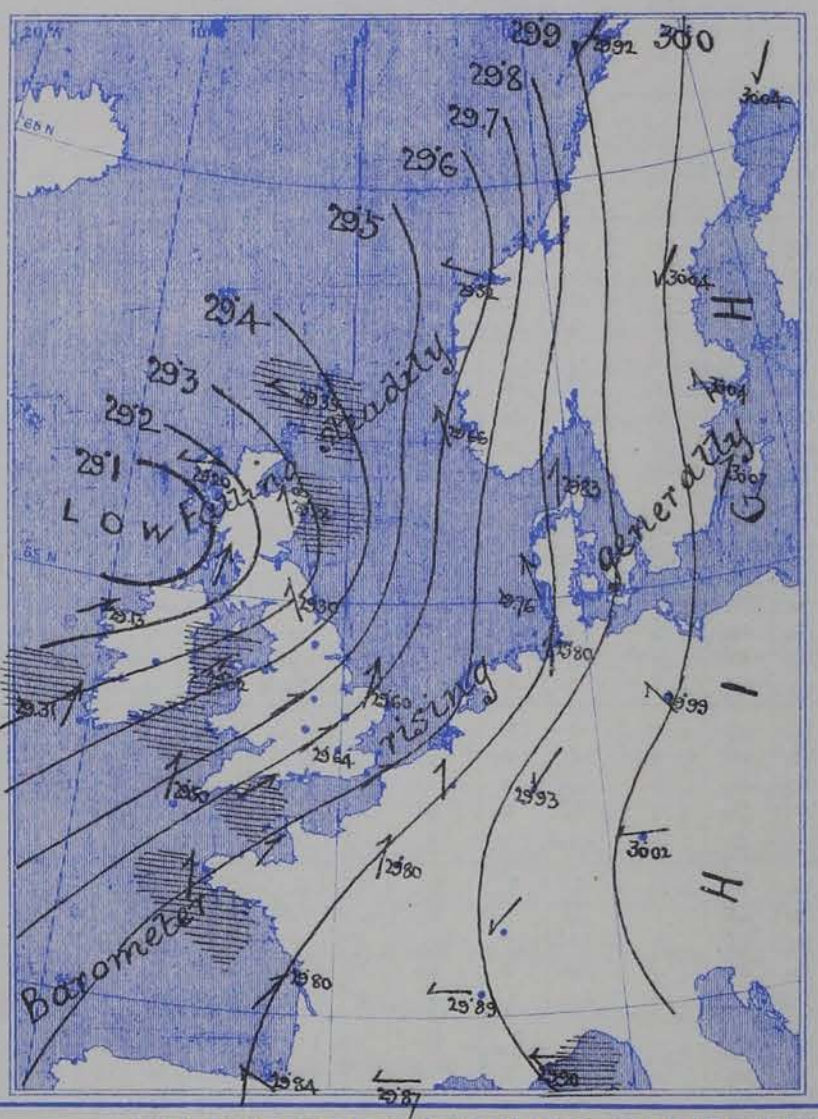
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▬

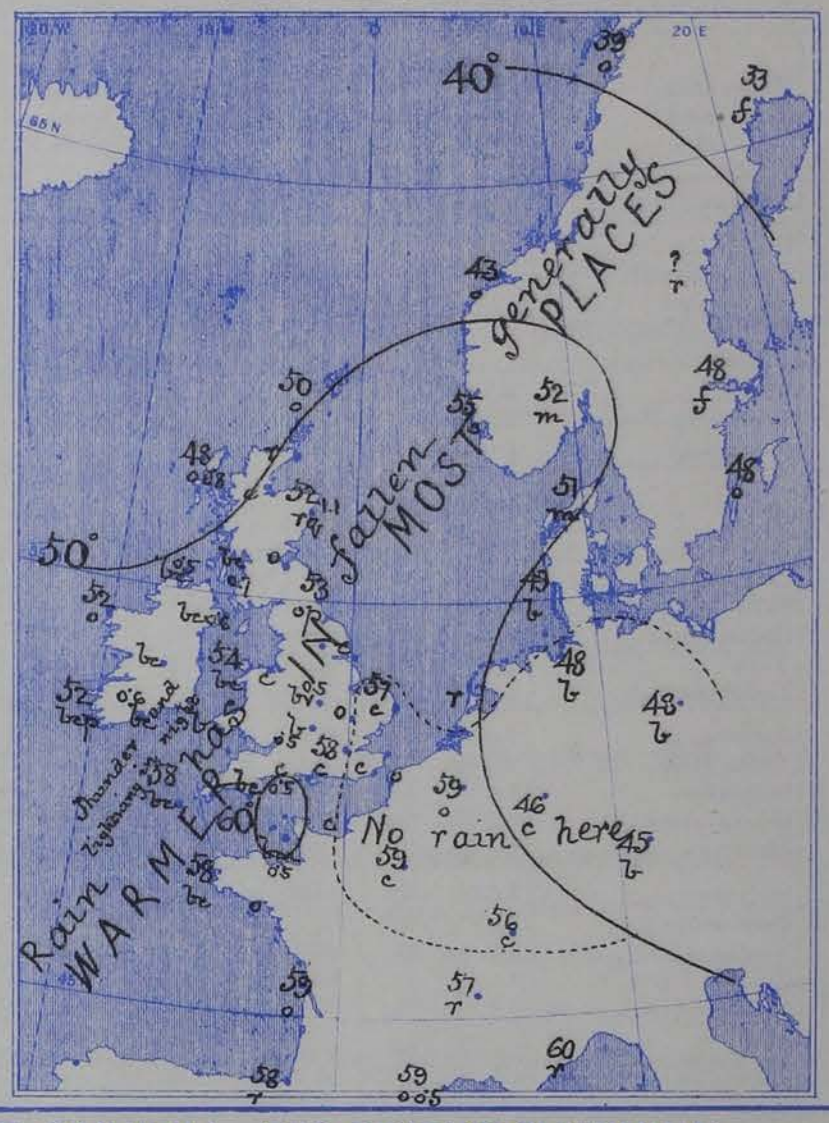


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92. 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·0 ins: and more over Sweden, the Baltic, and Central Europe and exceeding 29·7 ins: over the west and north of France;
(2) 30·04 ins: at Lisbon.
Lowest, Below 29·1 ins: in a depression off our north-western coasts.
Gradients steep over our Islands and their neighbourhood. Barometer rising decidedly in the south-west and south

TEMPERATURE

Highest, between 60° and 56° over France and the Channel Islands, and exceeding 55° over all the southern parts of our Islands; air soft and humid.
Lowest, (1) 33° at Haparanda, 39° at Bodö, 43° at Christiansund; (2) 48° at Stornoway, 50° at Sumburgh Hd. and Nairn.
These values are several degrees above the means for the time of year. The maxima recorded during yesterday exceeded 60° in many parts of England and touched 64° at Cambridge, in London, and also at Berlin, 71° at Paris, and 72° at Lyons and Biarritz.

WIND

S^3 to SW^4 over almost the whole of our Islands and their neighbourhood, moderate to very strong in force. In the north of Scotland, however, and in the west of Norway there is a light breeze from the E^ard.
SE^3 (E to S) gales were felt on our north-western and northern coasts yesterday; at Aberdeen the gale was strong from the E^ast.

WEATHER

In a very unstable condition — temporarily fine and bright at several of our own and the Continental stations, but showery in some localities.
A great deal of rain fell in the west and north of our Islands yesterday and thunder and lightning occurred at the mouth of the St George's Channel.
Bright Sunshine recorded yesterday was highest 4·8 hrs at Parsonstown; very slight elsewhere, none at our northern stations.

SEA

Rough in the south-west, west, and far north, moderate in the east and south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north-west is now moving away, and, with a rising barometer a temporary improvement in the weather is probable. The general distribution of pressure is, however, of a very unstable type, and an early renewal of rough weather in the west and north-west is looked for. The warning signals have, therefore, not been lowered

FORECASTS

For the 24 hours ending at NOON on 17th Oct^r 1897.

DISTRICTS.		FORECASTS.
↓ 0	SCOTLAND NORTH	Wind veering to SW, very strong; squally, showery, mild.
↓ 1	SCOTLAND EAST	
↓ 2	ENGLAND N.E.	SW^4 winds, strong to fresh; squally, showery, mild, bright intervals.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
↓ 6	SCOTLAND WEST	Same as Nos 0 and 1.
↓ 7	ENGLAND N.W.	SW^4 and S^4 winds, strong to moderate; squally, showery, very unstable.
↓ 8	ENGLAND S.W.	
↓ 9	IRELAND NORTH	
↓ 10	IRELAND SOUTH	
	WARNINGS	At 3·30 pm yesterday to districts 2, 8, and 10. "Hoist South Cone". The signals are still flying in districts 0, 1, 6, 7, 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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.74	46	44	ESE	2	o	2	Valencia	28.98	57	54	SSE	5	cp	5
Sumburgh Head	29.64	40	35	NE	3	o	4	Scilly	29.25	59	57	SSE	4	c	3
Stornoway	29.35	40	40	ESE	8	r	9	Jersey	29.46	62	59	SSE	5	o	5
Aberdeen	29.33	48	47	E	8	oqru	7	Hurst Castle ...	29.45	62	58	S	5	o	3
Shields	29.34	55	54	SSE	3	o	3	Dungeness ...	29.58	61	60	SSE	5	c	4
Ardrossan	29.17	55	53	ESE	4	r	3	North Foreland	29.62	61	59	SE	5	bc	3
Malin Head ...	29.03	55	54	S	5	bc	2	London (Westminster)	29.49	62	57	S	5	op	*
Belmullet	29.01	55	52	SSW	2	bc	*	Yarmouth ..	29.54	59	55	SSE	5	bc	4
Holyhead	29.25	57	54	SSW	6	oqm	4	Rochefort ...	29.58	67	61	S	6	o	*

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

Weather in morning fine and bright over France and the northwest of Germany, and in some parts of the British Islands also; dull elsewhere – very rainy over the northern parts of Ireland, England and the east of Scotland, as well as at some stations over the northern parts of Continental Europe. Much rain falling later in the north and west of the British Islands, as well as at Lisbon and in the south of France; showers locally over northern Europe, thunder and lightning observed at Rochefort; lightning at Scilly.

Temperature again risen over the United Kingdom and Western Europe, and exceeding the mean for the time of year over Ireland and England. Morning readings highest, 78° at Algiers, 73° at Palermo, and exceeding 60° at nearly all the stations on the southwestern, southern, and southeastern coasts of Europe; 60° at Brest and Hurst Castle, and exceeding 55° over the southern counties of England. Lowest 37° to 40° over northern Europe as a whole, 35° at Sumburgh Head, 40° at Stornoway and Nairn, 43° at Aberdeen; 38° at Kharkov & Hernansand. Rising later to between 60° and 64° over England, to 64° at Berlin, 71° at Paris, 72° at Lyons and Biarritz.

Weather (1) light and anticyclonic over the southeastern half of Europe, light but cyclonic in the north. (2) Cyclonic and moderate to very strong over the British Islands and Western Europe – being SE to S in France and England, E over Scotland and the north of Ireland, and blowing a gale in places. Blowing hard in Scotland later, but subsequently veering S. over our northern districts generally and moderating.

Barometer highest 30·3 in: and more to 29·9 in: in the northwestern portion of an anticyclone covering the whole of Southeastern Europe. Lowest, below 29·6 in: in two shallow depressions – one over the White Sea, the other over the north of Sweden, and below 29·1 in: in a deeper system lying over the west of Ireland and neighbouring parts of the Atlantic. Latter system moving northwards later very quickly, but a new one approaching Ireland from the southwestward.

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 Sunday 17th October, 1897.

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 ...	30·02	41	SE	2	r	29·55	− ·49	45	45	+ 17	SW	2	r	*	r	*	45	30	0·59
	Hernösand ...	29·84	47	SE	4	f	29·73	− ·31	49	48	?	SSW	4	o	*	f	*	?	30	—
	Stockholm ...	29·96	49	S	2	b	30·00	− ·04	51	50	+ 3	SW	2	b	*	b	*	52	39	—
	Wisby	30·05	48	S	4	b	30·12	+ ·05	50	49	+ 2	WSW	4	b	*	b	*	59	45	—
	Karlstad ...	29·86	53	SSE	2	b	30·00	+ ·09	51	49	+ 2	SSW	2	b	*	b	*	*	*	—
	Bodö	29·62	44	ESE	6	o	29·40	− ·52	44	43	+ 5	E	4	o	1	o	*	48	37	0·32
	Christiansund ...	29·42	48	E	0	o	29·70	+ ·18	50	50	+ 7	W	5	r	6	o	*	50	43	0·12
	Skudesnaes ...	29·68	54	S	8	o	29·91	+ ·25	53	52	− 2	SSE	8	o	5	r, o	*	56	41	*
	Færder (Christiania Fjord)	29·78	53	SSW	5	o	30·02	+ ·20	52	52	0	WSW	4	m	3	o	*	54	52	0·12
	Skagen (The Scaw)	29·90	54	SW	2	o	30·09	+ ·26	51	51	0	WSW	2	f	0	o	*	55	50	0·04
	Fanö	29·98	53	SSW	3	b	30·13	+ ·37	53	51	+ 4	SSW	3	b	*	b	*	57	48	—
British Islands.	Sumburgh Head	29·25	49	ESE	3	r	29·86	+ ·21	51	51	+ 1	S	1	o	4	r	*	52	48	0·25
	Stornoway ...	29·32	50	WSW	3	o	29·38	+ ·18	51	51	+ 3	SSW	3	o	4	o	0·3	52	46	0·25
	Wick	29·33	50	S	3	o	29·52	+ ·28	53	53	+ 2	S	3	m	6	o	*	53	47	0·25
	Nairn	29·42	52	WSW	2	b	29·47	+ ·25	58	55	+ 8	S	1	r	1	b	*	58	45	0·05
	Aberdeen ...	29·50	51	SW	3	b	29·58	+ ·30	54	53	+ 2	SSE	6	orgq	6	epq, bcq, b	36	57	48	0·09
	Leith	29·54	52	WSW	2	o	29·54	+ ·34	61	58	+ 7	S	2	r	*	o	*	61	52	0·16
	Shields	29·67	54	SW	2	bc	29·72	+ ·42	60	57	+ 7	SSW	4	op	2	bc	*	61	52	—
	Spurn Head ...	29·78	54	S	4	b	29·87	+ ·41	57	56	+ 3	S	4	c	4	b	*	61	53	—
	York	29·79	56	SSE	1	b	29·82	+ ·42	61	56	+ 6	S	4	c	*	b	8·0	63	53	—
	Loughborough ...	29·80	57	SW	3	b	29·89	+ ·40	58	55	+ 4	SSE	4	cqr	*	b, bc, cq	*	64	54	—
	Ardrossan ...	29·51	53	SSW	4	c	29·47	+ ·31	57	57	+ 3	SE	6	rm	5	c	*	57	52	0·15
	Malin Head ...	29·39	52	S	4	c	29·22	+ ·21	57	57	+ 7	S	6	r	3	c	*	57	50	0·09
	Belmullet ...	29·32	52	ESE	3	r	29·20	+ ·07	53	53	+ 1	SE	1	m	*	o, r	*	58	50	0·20
	Donaghadee ...	29·53	55	SSW	6	c	29·45	+ ·27	59	58	+ 8	S	9	r	7	c	*	59	50	0·22
	Liverpool (Bidston)	29·68	56	S	3	c	29·73	+ ·34	61	56	+ 6	SSE	4	o	3	c	*	61	53	0·06
	Holyhead ...	29·57	57	S	6	cpm	29·58	+ ·26	59	57	+ 5	S	8	cq	6	pq, cpm	*	59	50	0·40
	Parsonstown ...	29·38	56	SE	1	o	29·27	− ·01	59	57	+ 9	SE	4	or	*	b, o	5·4	59	48	0·77
	Valencia ...	29·32	58	S	6	cqu	29·25	− ·06	55	54	+ 3	S	3	og	4	og cqu	2·6	60	50	1·43
	Roche's Point ...	29·46	58	S	7	cq	29·31	− ·06	58	58	+ 4	SSW	9	r	6	c, rq	*	59	53	1·40
	Pembroke (St. Ann's Hd.)	29·63	57	WSW	6	c	29·64	+ ·20	60	58	+ 4	SW	7	o	7	c	5·1	60	52	0·20
	Scilly	29·62	59	S	5	m	29·64	+ ·14	61	58	+ 3	S	8	o	5	m	6·6	61	54	0·01
	Prawle Point ...	29·82	58	S	5	c	29·88	+ ·29	59	57	+ 2	S	6	c	5	c, p	*	60	56	0·01
	Jersey (St. Aubin's)	29·91	62	SSW	4	bc	30·04	+ ·32	60	56	0	SSE	5	bcm	4	bc	*	66	58	—
	Hurst Castle ...	29·86	61	SSW	4	ow	29·99	+ ·34	60	56	0	S	5	c	3	bc, ow	*	62	58	—
	Dungeness ...	29·95	59	SSW	5	bc	30·09	+ ·43	59	56	0	S	5	c	4	c, bc	*	63	58	—
	North Foreland	29·95	58	S	4	b	30·10	+ ·43	59	57	0	SE	4	b	4	b	*	65	55	0·01
	London (Brixton) ...	29·90	58	SSW	2	b	30·01	+ ·37	59	55	+ 1	S	5	cq	*	b	8·0	66	55	—
	Oxford	29·88	56	S	3	b	29·96	+ ·40	57	54	+ 1	SSE	3	bc	*	q, b	*	69	55	—
	Cambridge ...	29·88	56	S	3	b	29·99	+ ·41	59	55	0	SSW	*	ow	*	b	6·8	65	54	—
	Yarmouth ...	29·84	59	SW	4	b	30·02	+ ·42	58	55	+ 1	S	4	bw	3	bc, b	*	63	53	—
Germany & Holland.	Cuxhaven ...	29·92	59	W	1	o	30·15	+ ·35	49	49	+ 1	SW	1	b	*	o	*	66	48	—
	Berlin	30·04	55	E	0	b	30·22	+ ·23	54	53	+ 6	NW	2	c	*	b	*	64	48	0·04
	Wiesbaden ...	*	*	*	*	*	30·25	+ ·32	53	52	+ 7	SE	2	b	*	*	*	61	46	—
	Munich	30·08	55	E	0	c	30·29	+ ·27	53	53	+ 8	SW	2	c	*	c	*	66	45	0·16
	The Helder ...	29·95	55	SW	3	b	30·12	+ ·44	50	49	− 4	S	2	b	4	b	*	59	48	—
France & Belgium.	Brussels ...	*	*	*	*	*	30·22	+ ·44	53	51	− 6	SSE	2	b	*	o	*	66	45	—
	Cape Gris Nez ...	29·94	58	SSW	5	c	30·04	+ ·38	54	51	− 3	S	3	bc	2	c	*	61	52	—
	Paris	30·06	57	SSW	1	b	30·20	+ ·40	42	42	− 17	SE	1	m	*	b	*	66	41	—
	Brest	29·82	58	S	4	r	29·88	+ ·26	59	57	+ 1	S	6	c	6	r	*	59	54	—
	Lorient	29·94	59	SSW	5	m	30·01	+ ·31	60	59	+ 1	S	5	bc	5	m	*	66	50	—
	Rochefort ...	30·02	61	SW	2	b	30·03	+ ·23	52	52	− 7	SE	4	bc	*	b	*	68	50	—
	Belfort	30·03	58	W	2	r	30·21	+ ·33	54	54	− 2	E	2	m	*	r	*	71	53	0·12
	Lyons														*		*			
	Nice	30·05	59	E	4	r	30·24	+ ·34	57	57	− 3	E	3	b	3	r	*	66	57	1·18
	Perpignan ...	30·05	61	NE	2	o	30·19	+ ·32	55	54	− 4	SW	1	b	*	o	*	69	52	0·12
	Biarritz ...	30·00	62	SE	3	b	30·03	+ ·19	60	52	+ 2	SSE	4	b	2	b	*	70	52	—
Penin-sula.	Corunna ...														*		*			
	Lisbon	30·14	64	S	3	c	30·18	+ ·14	63	61	− 1	SE	3	c	*	c	*	68	61	0·08
	Azores (P. Delgada)	29·75	64	W	4	bc	29·80	+ ·13	61	58	− 2	WSW	2	c	3	bc	*	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 5·8 *hrs;*

WEATHER CHARTS

FOR SUNDAY, 17TH OCTOBER, 1897.

BAROMETER, WIND AND SEA.

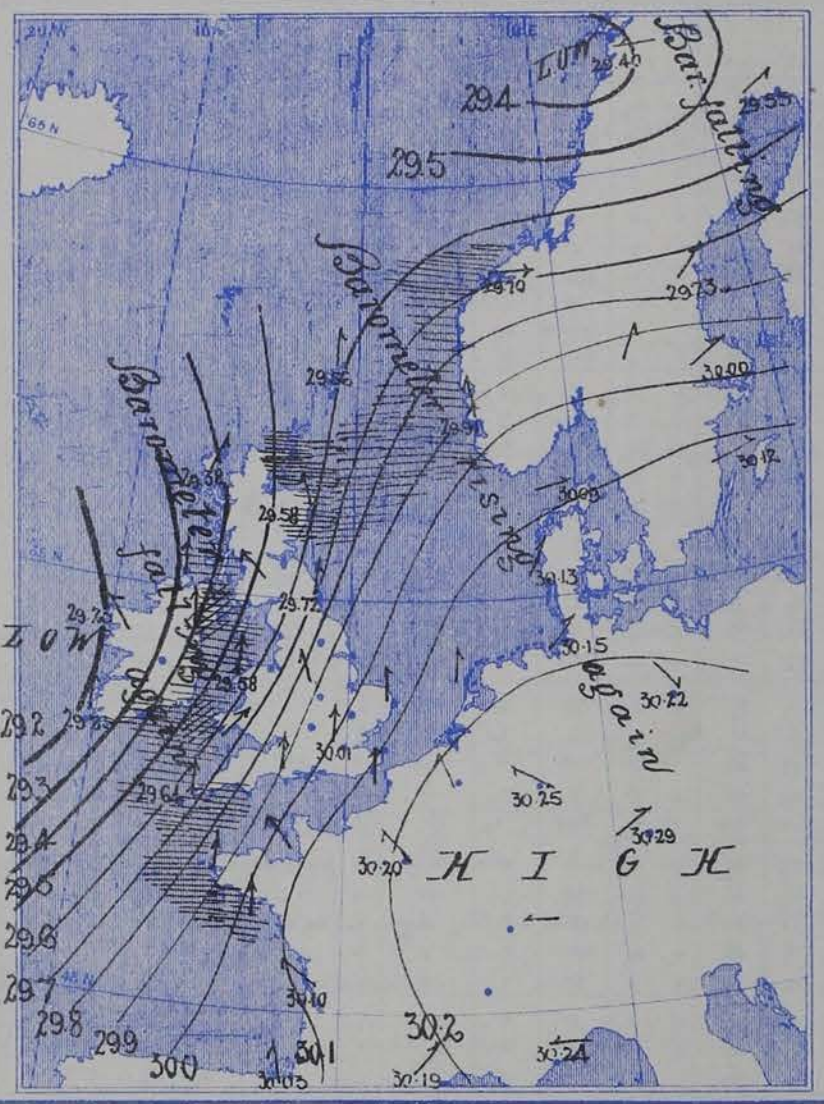
BAROMETER—Isobars are drawn for each tenth of an inch.

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 OCTOBER.

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	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	53·3	46·3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 ins: to 30·1 ins: in an anticyclone covering Germany, France, the Netherlands, Denmark and the Baltic.
Lowest, 29·2 ins: and less, in a depression off the west coast of Ireland, and 28·4 ins: and less, in another off the coast of Finmark.
Gradients very steep for S. winds over our western districts, and rather steep for W. winds over the north of Scandinavia; exceedingly slight over Central Europe.
Barometer falling on our northwest coasts, rising elsewhere – especially in the east and southeast.

TEMPERATURE

Highest, 63° at Lisbon, 61° at Scilly, York, and Leith, 60° at Biarritz, Jersey, and Hurst Castle, 59° in London and at Donaghadee, 58° at Nairn, 53° at Pentenaes.
Lowest, 44° at Bodö, 45° at Haparanda, 49° at Hernösands and at Lytham.
Yesterday's maximum readings were as high as 60° to 66° over England, and touched 64° at Berlin, 66° at Nairn, 70° at Biarritz, and 71° at Belfast.
The night was mild all over the Kingdom.

WIND

Very light and anticyclonic over the greater part of Germany and France, cyclonic and much stronger elsewhere – viz. (1) S. over our Islands and blowing a gale at several western stations; (2) W. moderate over the greater part of Norway, SW. on the Swedish coasts, but E. at Bodö.
The S. gale has blown with great violence over the southeast of Ireland and over the Irish Sea generally, and is likely to blow hard in those regions all day.

WEATHER

Very fine over the greater part of the Continent, and the southern and central parts of England, very squally, rough and rainy over the western and northern parts of our Islands and in the west of Norway.
Heavy rains have fallen over the southern and central parts of Ireland and a considerable quantity over Scotland. Over the greater part of England there has been none.
Bright Sunshine yesterday ranged from 8·0 hours at York to 0·3 hr: at Stornoway.

SEA

High on our western coasts, rough in the north and off Ushant, rather rough to moderate in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 18th Oct. 1897.

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 3·40 pm yesterday to districts 3 and 5, "Hoist South Cone", and at 9·20 am today to districts 0 to 2 and 6 to 10 "Keep up 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 ...	29.56	56	55	S	9	r	6	Valencia	29.31	57	53	SE	6	og	5
Sumburgh Head	29.27	50	50	E	1	r	5	Scilly	29.60	60	58	S	5	bc	4
Stornoway ...	29.17	51	51	SE	4	r	5	Jersey	29.86	65	60	S	5	b	4
Aberdeen	29.35	57	50	SW	8	bcq	6	Hurst Castle ...	29.80	62	59	SW	5	bcm	3
Shields	29.50	60	53	SSW	5	bc	3	Dungeness ...	29.85	62	58	SSW	5	c	4
Ardrossan	29.42	54	52	SSW	4	c	3	North Foreland	29.88	62	59	SW	5	bc	4
Malin Head ...	29.30	54	51	S	6	bc	3	London (Westminster)	29.79	66	57	SW	4	bc	*
Belmullet	29.34	58	52	WSW	1	o	*	Yarmouth ...	29.75	63	57	SW	5	bc	3
Holyhead	29.55	57	54	SW	7	cpq	5	Rochefort ...	29.94	68	63	SW	3	bc	*

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

Weather in morning fine over southeastern and central Europe, as well as over many parts of Great Britain and the southeast of Ireland, cloudy and unsettled elsewhere, with rain at Valencia and on the east and northeast coast of Scotland, as well as in the south and southeast of France; some local falls over Russia and Sweden also. Heavy rain later over the southern and central parts of Ireland, and considerable falls at several of our northwestern and northern stations and in Norway; slight falls in the south of France — very fine over the southeastern half of England.

Temperature risen greatly over Scotland and the southern half of Scandinavia, as well as in some parts of Austria-Hungary. Morning readings highest 76° to 72° at stations on the shores of Algeria and Tunis, and exceeding 60° at many of the coast stations in southern and southwestern Europe; 60° at Jersey, and 58° to 55° over the greater part of England. Lowest (1) 33° at Haparanda, and 34° to 40° over Lapland, Finland, and the north of Russia; (2) 43° to 46° over the southern half of Russia; (3) 36° at Hermanstadt, 43° at Cracow, 45° at Munich. Rising later to between 60° and 66° over England, to 64° at Berlin, 66° at Paris and Nice, 70° at Biarritz.

Wind (1) Light and anticyclonic over eastern, southeastern, and central Europe; (2) Cyclonic and strong over our Islands and their neighbourhood, being SW to S over England and Ireland, SE and E in Scotland, S over the North Sea. Backing later to S. and SE. on our southwestern coasts, and blowing very hard at our eastern stations and later on in the northwest also.

Barometer in morning highest 30·50 ins. at Odessa, and exceeding 30·0 ins. over all the southeastern and eastern countries together with the Baltic, Finland and the north of Russia. Lowest below 29·1 ins. in a depression off our northwestern coasts. Latter system moving northwards later, but another passing up along the west coast of Ireland in the afternoon and night.

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, 18th October, 1897.

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 ...	29.65	45	W	2	bc	29.76	+.21	33	32	-12	N	2	f	8	bc	8	46	32	0.04
	Hernösand ...	29.90	49	NE	0	b	29.86	+.13	41	46	-2	SW	2	bc	#	b	#	59	43	-
	Stockholm ...	30.17	50	NE	0	b	30.16	+.16	50	49	-1	SW	4	c	#	b	#	61	45	-
	Wisby	30.27	51	SW	4	b	30.27	+.15	48	48	-2	SSW	4	b	#	b	#	54	46	-
	Karlstad ...	30.13	51	S	2	0	30.13	+.13	51	?	0	S	2	0	#	0	#	#	#	0.39
	Bodö	29.72	45	SW	6	0	29.80	+.40	43	42	-1	NE	0	c	0	0	#	48	37	0.28
	Christiansund ...	29.71	50	NE	0	1	29.68	-.02	52	50	+2	ESE	3	1	3	1	#	52	48	0.63
	Skudesnaes ...	29.90	56	S	0	0	29.85	-.06	51	54	-2	S	8	1f	5	0	#	55	50	#
	Færder (Christiania Fjord)	30.08	54	SW	4	0	30.07	+.05	53	53	+1	S	2	m	3	0	#	54	52	-
	Skagen (The Scaw)	30.19	54	SW	3	bc	30.12	+.03	53	51	+2	SSW	3	b	0	bc	#	55	50	-
	Fanö	30.20	52	SSW	4	b	30.13	.00	50	50	-3	SSW	2	b	#	b	#	55	50	-
British Islands.	Sumburgh Head	29.33	53	S	4	1	29.43	-.13	52	50	+1	S	3	bc	5	1	#	54	50	0.23
	Stornoway ...	29.24	54	NNW	6	ou	29.42	+.04	50	50	-1	N	4	0	4	1.0	0.4	57	47	0.60
	Wick	29.40	56	SW	7	0	29.49	-.03	52	51	-1	SW	2	bc	4	0	#	58	50	0.05
	Nairn	29.38	58	SSW	1	bc	29.49	+.02	52	48	-6	NNW	2	c	2	bc	#	60	47	0.05
	Aberdeen ...	29.52	56	S	6	bcq	29.63	+.05	55	50	+1	SW	5	bcq	5	op.bcq	0.0	57	52	0.15
	Leith	29.50	60	SW	5	bc	29.69	+.15	54	51	-7	WSW	6	bc	#	bc	#	66	51	0.01
	Shields	29.69	62	SSW	4	0	29.83	+.11	55	52	-5	SW	4	c	2	0.1	#	65	53	0.05
	Spurn Head ...	29.84	58	SSE	6	c	30.00	+.13	57	56	0	SW	4	bc	4	c.p	#	62	55	0.01
	York	29.82	64	S	4	c	29.96	+.14	54	50	-7	SSW	2	bc	#	c	1.8	66	53	-
	Loughborough ...	29.87	60	SSW	5	c	30.04	+.15	54	52	-4	S	2	c	#	cq.opc	#	67	52	0.01
	Ardrossan ...	29.48	56	S	5	c	29.75	+.28	55	53	-2	WSW	5	op	4	c	#	58	52	0.04
	Malin Head ...	29.32	56	S	5	bc	29.64	+.42	52	50	-5	WSW	5	bc	4	bc	#	60	50	0.19
	Belmullet ...	29.31	55	SW	4	oqp	29.79	+.59	53	51	0	WSW	2	b	#	bc.oqp	#	57	51	0.50
	Donaghadee ...	29.48	56	S	6	b	29.80	+.35	55	54	-4	WSW	5	bc	3	b	#	59	52	0.04
	Liverpool (Bidston)	29.71	59	SSE	4	0	29.96	+.23	56	50	-5	SW	4	b	3	orn	#	62	54	0.06
	Holyhead ...	29.58	58	SSW	8	qqmr	29.81	+.33	56	54	-3	SW	5	c	4	qqmr	#	61	54	0
	Parsonstown ...	29.43	56	SE	3	c	29.89	+.62	52	51	-7	N	0	b	#	c.r	4.4	62	50	0
	Valencia ...	29.38	54	S	6	bcm	29.87	+.62	55	54	0	S	3	op	4	l.r.h.bcm	2.4	59	51	0.30
	Roche's Point ..	29.52	58	SSW	8	bcq	29.95	+.64	56	53	-2	SW	5	bc	5	bcq	#	60	54	0.10
	Pembroke (St. Ann's Hd.)	29.70	58	SW	7	0	30.00	+.36	57	54	-3	WSW	6	b	6	0	0.0	60	54	0.17
	Scilly	29.73	59	S	6	c	30.02	+.38	57	55	-4	S	3	bc	5	0.c	0.4	62	54	0.09
	Prawle Point ...	29.89	59	S	7	0	30.11	+.23	55	54	-4	WSW	3	c	4	p	#	60	54	0.05
	Jersey (St. Aubin's)	30.01	63	SSE	5	bc	30.15	+.11	60	59	0	SW	2	c.bc	2	c.bc	#	64	58	-
	Hurst Castle ...	29.96	63	SSE	5	0	30.11	+.12	59	56	-1	SW	3	cm	2	oqp	#	64	58	0.02
	Dungeness ...	30.05	60	SSE	4	c	30.13	+.04	60	58	-1	SSW	3	c	2	b.c	#	63	58	-
	North Foreland	30.08	60	SSE	5	bc	30.14	+.04	59	56	0	S	2	c	2	bc	#	64	56	-
	London (Brixton) ...	30.00	60	S	3	bc	30.10	+.09	58	56	-1	SW	1	0	#	bc.br	4.0	68	56	-
	Oxford	29.92	61	SSW	5	c	30.09	+.13	54	52	-3	SW	3	bc	#	c.oqr	#	66	54	0.01
	Cambridge ...	29.98	59	S	3	0	30.08	+.09	57	56	0	SSW	1	oq	#	c.o	4.5	68	55	-
	Yarmouth ...	30.02	58	S	5	c	30.06	+.04	58	56	0	SW	3	bc	3	c	#	61	55	-
Germany & Holland.	Cuxhaven ...*	30.22	57	E	0	b	30.15	.00	51	51	+2	S	2	b	#	b	#	63	48	-
	Berlin	30.30	57	SE	2	b	30.29	+.07	48	47	-6	SE	2	b	#	b	#	63	46	-
	Wiesbaden ...	#	#	#	#	#	30.27	+.02	48	47	-5	SE	1	#	#	#	#	66	46	-
	Munich... ..	30.31	54	S	2	b	30.35	+.06	51	51	-2	E	2	#	#	b	#	64	48	0.04
	The Helder ...	30.12	54	S	1	b	30.11	-.01	50	49	0	S	2	b	1	b	#	63	46	-
Belgium.	Brussels ...	#	#	#	#	#	30.21	-.01	58	55	+5	SSW	2	bc	#	b	#	67	51	-
	Cape Gris Nez..	30.05	58	S	3	bc	30.08	+.04	58	53	+4	WSW	3	0	3	bc	#	63	52	-
	Paris	30.19	61	SE	2	b	30.27	+.07	48	48	+6	SSE	1	f	#	b	#	69	42	-
	Brest	29.90	59	S	5	7	30.13	+.25	58	57	-1	S	3	0	5	7	#	63	54	0.12
	Lorient... ...	30.04	61	S	5	c	30.13	+.12	59	59	-1	SW	1	0	5	c	#	66	57	0.04
France &	Rochefort ...	30.09	61	S	3	bc	30.21	+.11	55	52	+3	SE	2	b	#	bc	#	72	52	-
	Belfort	30.21	60	NE	0	0	30.27	+.06	49	49	-5	NE	0	f	#	0	#	67	48	-
	Lyons	30.24	61	N	1	b	30.28		53	53		ESE	1	b	#	b	#	67	49	-
	Nice	30.25	59	SW	3	bc	30.24	.00	59	55	+2	NE	0	bc	1	bc	#	70	53	-
	Perpignan ...	30.23	61	NE	0	0	30.26	+.07	57	57	+2	NE	0	f	#	0	#	67	53	0.04
	Biarritz ...	30.07	70	SSE	3	b	30.09	+.06	64	53	+4	SSE	4	bc	2	bc	#	77	68	-
Penin-sula.	Corunna ...																#			
	Lisbon	30.17	65	S	4	b	30.12	-.06	59	59	-4	NE	3	f	#	b	#	70	57	-
	Azores (P. Delgada)																#			

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 0·1 hrs;

WEATHER CHARTS

FOR Monday, 18th October, 1897.

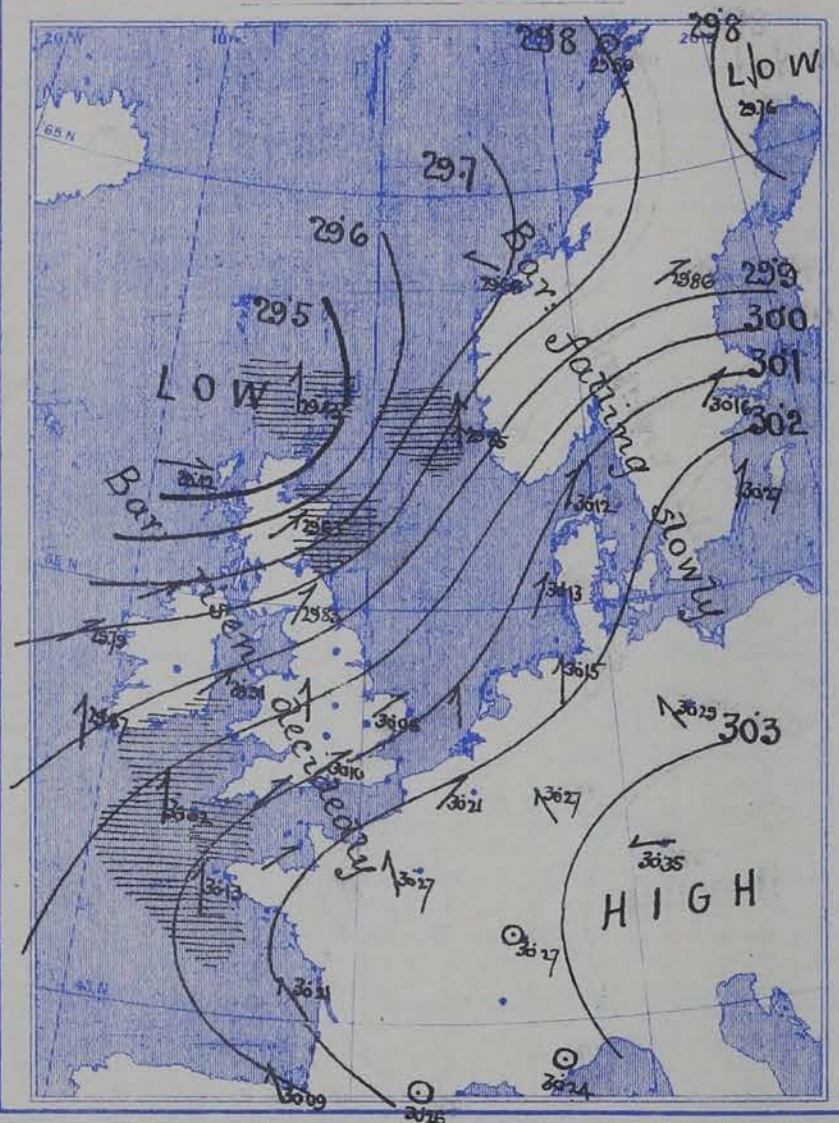
BAROMETER, WIND AND SEA.

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

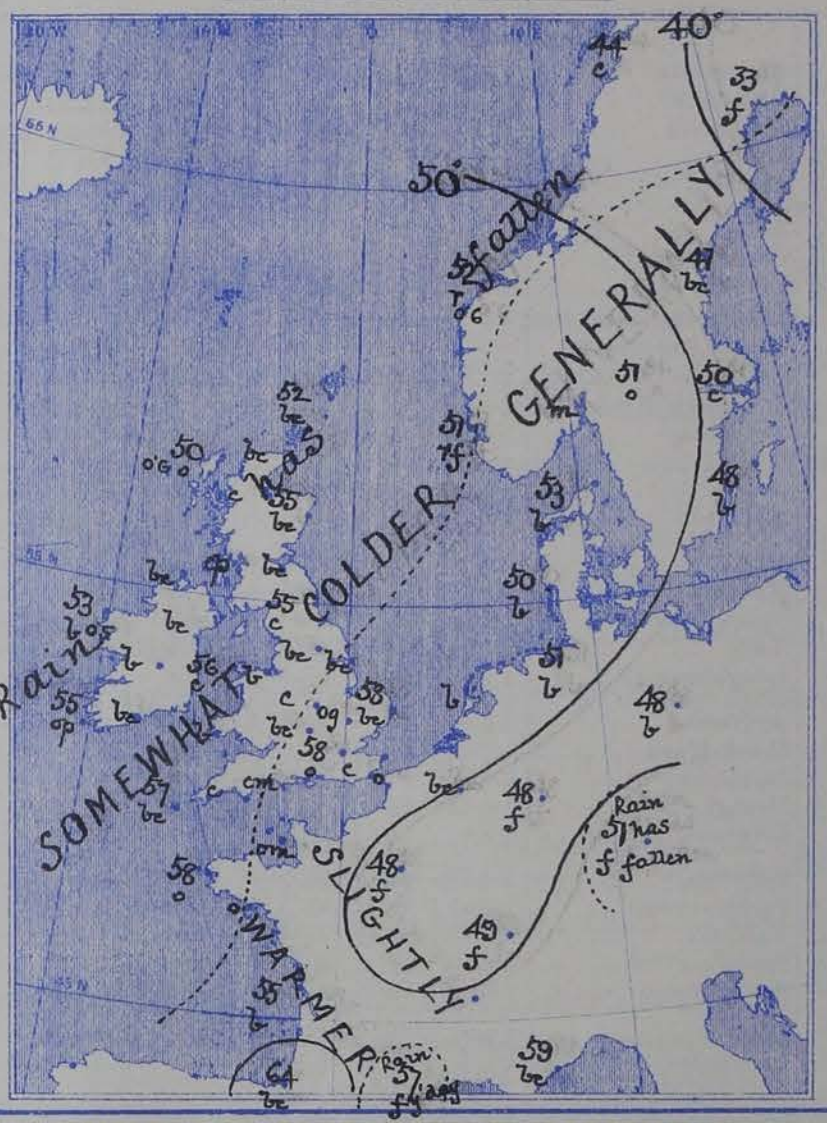


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 . 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	58 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more to 30·1 in: over Germany, France, the Channel, Denmark, and the Baltic
Lowest, Belmullet 29·5 in: over the north of Scotland and the Shetland Islands.
Gradients still rather steep in the north, moderate over Ireland and England, slight over France and Germany.
Barometer rising decidedly in the west and northwest, slightly in the southeast, falling slightly over North Germany.

TEMPERATURE

Highest, 64° at Biarritz, 60° at Jersey and Dungeness, and above 50° almost all over our Islands, 52° at Christiansund.
Lowest, 33° at Haparanda, 44° at Bodö, 48° at Wick, 50° at Stornoway.
The highest of the maxima recorded over our Islands yesterday were 68° at Cambridge and in London, 66° at York, Leith, and Nairn.
At Berlin the highest reading was 63°, at Paris 69°, at Nice 70°, and at Biarritz 71°.

WIND

Still S^ly on our southwestern coasts, but only fresh to moderate in force; SW^ly to W^ly over Great Britain; S^ly and light on the eastern shores of the North Sea. Over France and Germany it is light and anticyclonic.
The S^ly and SW^ly gales were again strong on our western and northwestern coasts yesterday.

WEATHER

Fair at most of our stations, but rainy in several parts of our western and northern, and in the west of Norway, and not at all settled anywhere.
Rain fell yesterday in the west and north generally – the largest amounts exceeded half an inch at Christiansund, Stornoway, and Belmullet. A thunderstorm occurred at Valencia at about 4 pm. Bright Sunshine recorded yesterday exceeded 6 hrs at some of our south coast stations. In London there were 6 hrs, at Pembroke and Aberdeen none.

SEA

Still rough in the north and on the southwest coasts of England, but smooth in the Straits of Dover.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general condition though fair at present is not at all settled, especially in the west and north.

FORECASTS

For the 24 hours ending at NOON on 19th Oct^r 1897.

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	W^ly winds, moderate, fair – then SW^ly or S^ly, increasing again, with rain.
▼ 1	SCOTLAND EAST	
2	ENGLAND N.E.	SW^ly winds, moderate, weather mild and slightly showery, probably less fair tomorrow.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▼ 6	SCOTLAND WEST	SW^ly and S^ly winds, fair at first; stronger, squally and rainy later.
▼ 7	ENGLAND N.W.	
▼ 8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	
▼ 10	IRELAND SOUTH	
	WARNINGS	At 10·30 am today to districts 2, 3, and 5 Lower Cone" The signals are still flying in districts 0·1. and 6 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.97	55	54	SSE	8	0	5
Sumburgh Head							
Stornoway	29.16	56	56	SSE	4	7	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.24	59	55	S	7	6c	5
Belmullet	29.28	56	52	SSW	4	6c	*
Holyhead							
Valencia							
Scilly							
Jersey	30.01	63	60	SSE	6	c	5
Hurst Castle ...							
Dungeness ...	30.07	63	59	S	5	6	4
North Foreland	30.10	62	60	SSE	5	6c	4
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.15	69	63	SSE	4	6	*

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 10TH TO THE 16TH OCTR 1897.

The weather experienced over the British Islands during this week may be divided into three parts.

In the first the barometer was highest over France and the southwest of our Islands, and a depression which reached our nothern coasts on Sunday moved northeastwards to Norway during the succeeding 48 hours. This disturbance and its secondaries caused considerable falls of cold rain in many parts of the Kingdom — heaviest in the north and northeast, and these were succeeded by hail in several places, snow in Scotland, lightning at Spurn Head. In its rear the barometer rose fast, temperature fell, and frosts were experienced at night-time especially in Scotland and Ireland.

On Wednesday an important change was in progress. The Scandinavian depression was filling up; an anticyclonic band (col) was advancing over our Islands from the southwestward, and under these circumstances very cold, but comparatively dry weather was experienced over Great Britain. In the rear of this band, however, a depression began to encroach on our southwestern and western coasts, and the third type of weather set in.

Depressions increasing both in size and intensity now advanced over our area from the southwestward causing gales of wind from E. and SE. in Scotland, and from between SE. and SW. in Ireland. Much rain fell over our western and northern districts, and temperature rose rapidly.

At the close of the week the thermometer had risen to between 60° and 66° over England during the daytime, and it was only over Scotland and Central Ireland that it fell to below 50° during the night. The general tendency was then for a still further increase of temperature.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 19th October, 1897.

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.		Temperatures.			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 ...	29.89	35	NW	0	0	29.78	+ .02	35	34	+ 2	NW	0	r	*	0	*	45	30	0.28
	Hernösand ...	29.83	53	N	2	0	29.97	+ .11	46	45	— 1	NW	0	bc	*	0	*	59	43	—
	Stockholm ...	30.14	52	SW	2	b	30.11	— .05	52	50	+ 2	W	2	0	*	b	*	61	46	—
	Wisby	30.22	48	WSW	4	b	30.19	— .08	50	49	+ 2	W	2	f	*	b	*	55	46	—
	Karlstad ...	30.06	53	SW	2	0	30.12	— .01	50	48	— 1	WSW	2	0	*	0	*	*	*	—
	Bodö	29.73	44	NW	0	r	29.74	— .06	49	47	+ 6	WSW	6	0	3	r	*	49	41	0.32
	Christiansund ...	29.80	52	WSW	2	bc	29.87	+ .19	50	48	— 2	ESE	1	c	3	0	*	55	50	0.08
	Skudesnaes ...	30.02	53	SSW	6	bc	30.08	+ .23	53	52	+ 2	S	6	0	4	bc	*	55	50	*
	Færder (Christiania Fjord)	30.04	52	SW	5	m	30.10	+ .03	51	50	— 2	WSW	4	m	3	m	*	54	50	0.04
	Skagen (The Scaw)	30.17	51	SW	1	c	30.19	+ .07	49	49	— 4	SW	1	f	0	c	*	55	49	—
	Fanö	30.22	52	SSW	2	b	30.25	+ .12	51	51	+ 1	SW	2	0	*	b	*	51	50	—
British Islands.	Sumburgh Head	29.72	52	WSW	3	c	29.81	+ .38	50	49	— 2	WSW	3	bc	5	bc, c	*	54	48	0.03
	Stornoway ...	29.71	52	SW	5	0	29.95	+ .53	49	49	— 1	W	3	0	3	q, 0	4.6	54	46	0.05
	Wick	29.81	52	SW	2	bc	29.97	+ .48	49	48	— 3	W	3	bc	2	bc	*	57	46	—
	Nairn	29.83	53	W	4	b	30.02	+ .53	46	45	— 6	NW	0	b	1	b	*	59	44	—
	Aberdeen ...	29.94	53	S	2	b	30.05	+ .42	50	47	— 5	SW	2	c	2	b	8.2	62	48	—
	Leith	29.97	54	WSW	3	b	30.12	+ .43	49	47	— 5	SW	2	0	*	b	*	62	48	—
	Shields	30.06	55	SW	4	b	30.15	+ .32	51	50	— 4	SW	2	m	2	c, b	*	63	50	—
	Spurn Head ...	30.14	57	SSW	3	b	30.20	+ .20	51	51	— 6	SSW	2	d	2	b	*	62	50	0.01
	York	30.11	56	SSW	2	b	30.19	+ .23	50	48	— 4	NW	0	bcm	*	b	4.0	62	48	—
	Loughborough ...	30.17	54	SSW	1	c	30.22	+ .18	51	51	— 3	SE	1	odm	*	bc, cq, r	*	64	48	0.14
	Ardrossan ...	29.95	55	SSW	3	0	30.11	+ .36	53	52	— 2	SSW	3	cm	2	b, 0	*	57	52	—
	Malin Head ...	29.88	54	S	3	c	30.08	+ .44	53	51	+ 1	S	4	bc	3	c	*	57	49	—
	Belmullet ...	29.97	54	WSW	2	bc	30.15	+ .36	54	53	+ 1	WSW	1	c	*	bp, bc	*	58	51	0.02
	Donaghadee ...	30.00	55	SSW	4	bc	30.16	+ .36	51	50	— 4	WSW	4	c	2	bc	*	61	47	—
	Liverpool (Bidston)	30.13	55	SW	2	b	30.20	+ .24	54	49	— 2	SSE	1	bc	2	b	*	60	49	—
	Holyhead ...	30.09	55	SSW	3	bc	30.19	+ .28	55	54	— 1	SW	1	cm	1	b, bc	*	60	52	—
	Parsonstown ...	30.03	53	SE	1	bc	30.20	+ .31	44	44	— 8	NW	0	bc	*	bc	7.6	61	43	—
	Valencia ...	30.03	56	S	2	c	30.22	+ .35	59	58	+ 4	NW	0	bc	2	bc, c	5.8	60	47	0.02
	Roche's Point ...	30.08	57	SW	4	cm	30.23	+ .28	47	47	— 9	N	3	f	4	cm	*	61	45	—
	Pembroke (St. Ann's Hd.)	30.13	57	SW	3	bc	30.22	+ .22	53	53	— 4	NW	0	fm	4	bc	6.5	59	51	—
	Scilly	30.08	57	ESE	2	fw	30.17	+ .15	57	57	0	ESE	1	fw	4	cm, fm	5.5	60	54	0.20
	Prawle Point ...	30.18	57	SSW	3	r	30.22	+ .11	58	57	+ 3	E	2	c	3	c, rf	*	60	55	0.21
	Jersey (St. Aubin's)	30.17	61	SE	3	ogm	30.22	+ .07	59	58	— 1	WNW	2	cm	2	or, ogm	*	62	57	0.02
	Hurst Castle ...	30.19	59	S	1	0	30.20	+ .09	58	57	— 1	NE	1	cm	1	cm, 0	*	64	57	0.10
	Dungeness ...	30.20	58	SSW	2	c	30.21	+ .08	58	58	— 2	ENE	1	cp	0	c	*	63	56	0.01
	North Foreland	30.22	58	S	2	c	30.23	+ .09	58	57	— 1	E	1	m	0	c	*	63	55	0.02
	London (Brixton) ...	30.20	58	SW	2	c	30.23	+ .13	57	56	— 1	E	1	fr	*	bc, or, bf	1.2	66	56	0.09
	Oxford	30.21	55	SSW	1	bc	30.22	+ .13	55	55	+ 1	SSE	2	r	*	bc, r	*	64	53	0.37
	Cambridge ...	30.20	54	SW	1	b	30.23	+ .15	55	55	— 2	NW	0	rm	*	b	5.6	66	47	0.20
	Yarmouth ...	30.16	59	S	2	bc	30.21	+ .15	56	55	— 2	S	2	rf	2	bc	*	62	52	0.14
Germany & Holland.	Cuxhaven ...	30.20	57	NW	0	c	30.27	+ .12	50	50	— 1	W	1	f	*	c	*	66	48	
	Berlin	30.26	56	SE	1	b	30.30	+ .01	49	49	+ 1	NW	0	f	*	b	*	61	48	—
	Wiesbaden ...	*	*	*	*	*	30.32	+ .05	53	53	+ 5	SE	2	0	*	*	*	61	48	—
	Munich	30.36	54	E	2	c	30.37	+ .02	51	51	0	E	2	f	*	c	*	61	50	0.04
	The Helder ...	30.22	52	SW	1	f	30.23	+ .12	52	52	+ 2	S	1	f	1	f	*	57	50	0.04
Belgium.	Brussels ...	*	*	*	*	*	30.27	+ .06	56	54	— 2	ESE	1	0	*	b	*	68	50	—
	Cape Gris Nez ...	30.18	59	SW	1	0	30.18	+ .10	59	56	+ 1	S	1	0	1	0	*	61	55	—
	Paris	30.24	58	SE	1	b	30.24	— .03	50	50	+ 2	NE	1	m	*	b	*	72	48	—
	Brest	30.12	59	SE	1	f	30.18	+ .05	54	54	— 4	E	1	bc	4	f	*	61	52	0.08
	Lorient	30.13	59	ENE	1	bc	30.19	+ .06	58	57	— 1	ENE	2	c	5	bc	*	66	57	—
France &	Rochefort ...	30.17	64	S	2	bc	30.18	— .03	58	53	0	S	3	0	*	bc	*	73	50	—
	Belfort	30.22	62	NW	0	b	30.29	+ .02	49	49	0	E	2	f	*	b	*	72	47	—
	Lyons	30.24	63	NE	1	b	30.30	+ .02	50	50	— 3	ESE	1	f	*	b	*	70	46	—
	Nice	30.23	60	NW	0	b	30.26	+ .02	58	55	— 1	E	2	b	1	b	*	68	55	—
	Perpignan ...	30.23	59	E	1	0	30.27	+ .01	55	55	— 2	N	1	0	*	0	*	62	54	0.04
	Biarritz ...	30.05	68	E	3	c	30.10	+ .01	60	57	— 4	SW	2	c	2	c	*	75	55	—
Peninsula.	Corunna ...																*			
	Lisbon																*			
	Azores (P. Delgada)	30.06	63	WSW	2	bc	30.04		65	63		SE	3	c	4	bc	*	70	63	—

NOTE: *In yesterday's report the Rainfall values for Holyhead and Parsonstown should be respectively 0.23 in. and 0.10 in.*

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

Bright Sunshine yesterday Southport 6.8 hrs;

WEATHER CHARTS

FOR Tuesday, 19th October, 1897.

BAROMETER, WIND AND SEA.

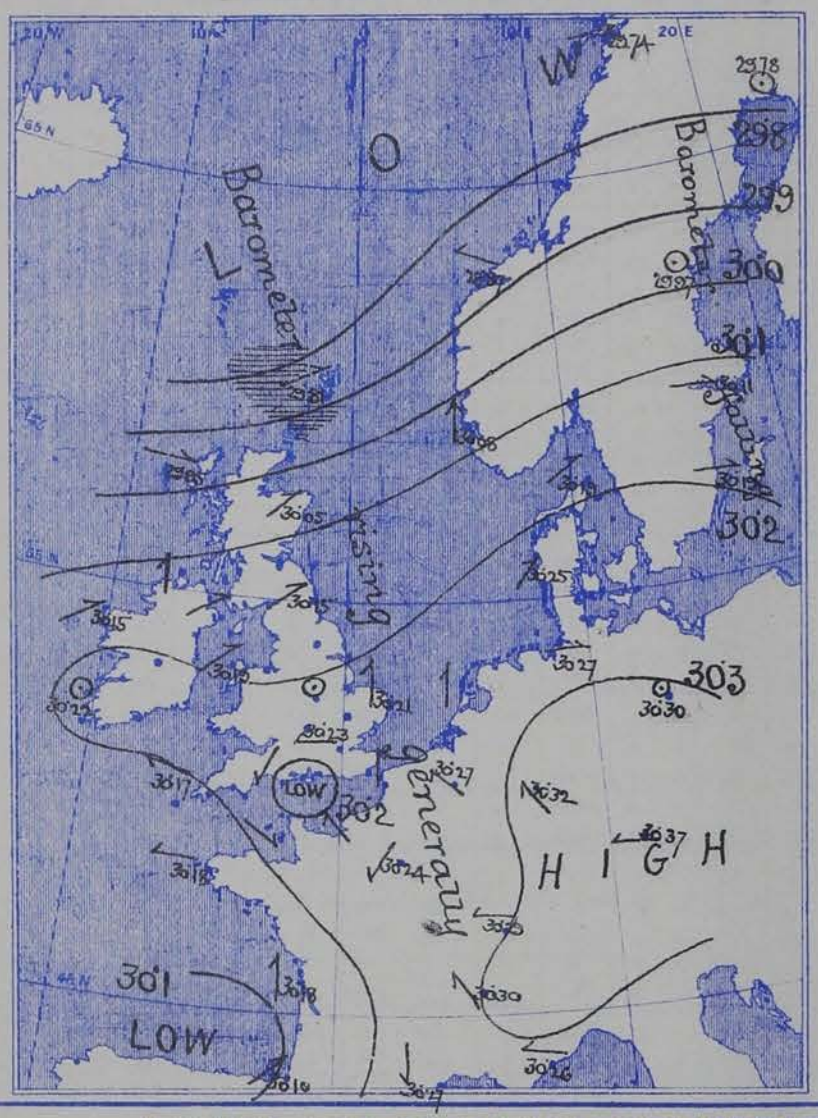
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▓

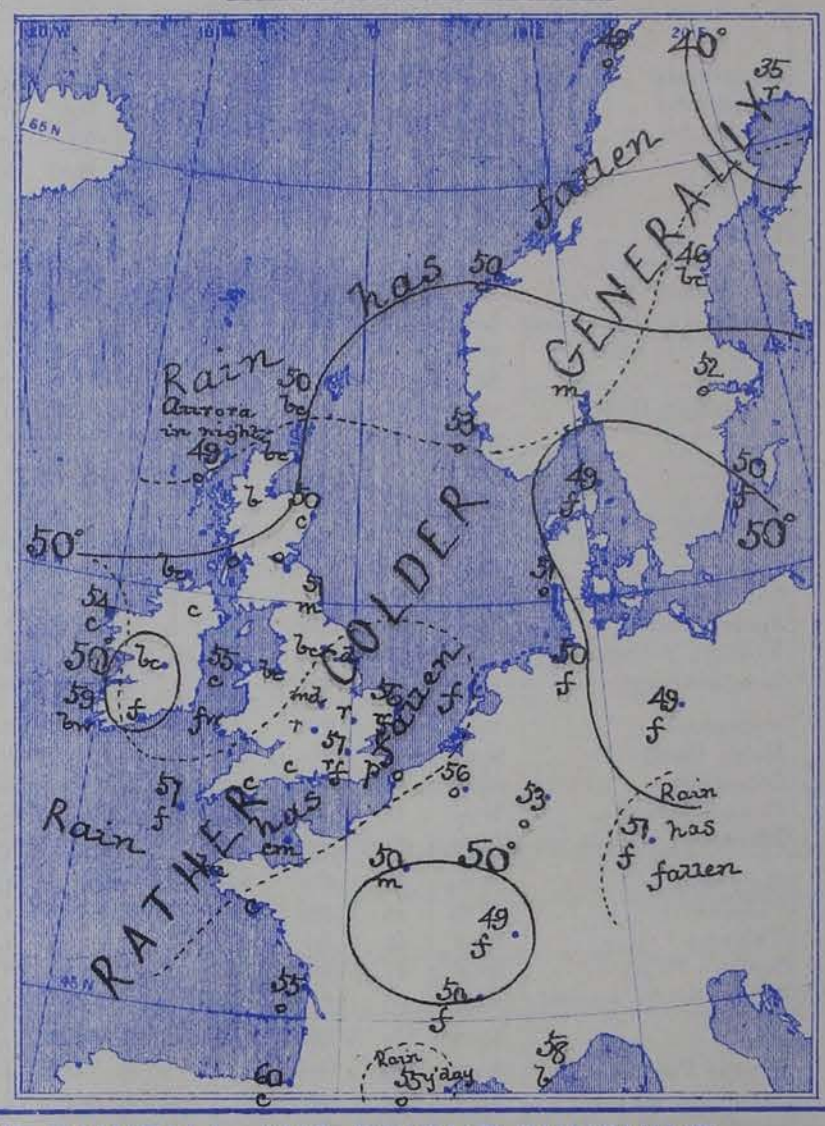


TEMPERATURE & WEATHER.

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 OCTOBER.*

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1892	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 ins. and upwards over Germany; 30·1 ins. and upwards in a large anticyclone spreading from the Continent over the whole of England and Ireland.
Lowest 29·8 ins. and less in an area lying to the N^ms. of our Islands and extending over the N. of Scandinavia.
Gradients slight generally, but moderate in the extreme north.
Barometer rising generally, but falling at some of the Swedish stations.

TEMPERATURE

Highest 60° at Biarritz, 59° at Jersey and Valencia (Ireland), and 58° at Prawle Pt., Hurst Castle, Dungeness, the North Foreland, Lorient and Nice.
Lowest (1) 35° at Haparanda, 46° at Hernösand, and 49° at Bodö and Skagen, (2) 44° at Parsonstown & 46° at Nairn.
During yesterday the thermometer rose to 60° and upwards in all but the extreme northern and northwestern parts of the Kingdom, and to 66° in London and at Cambridge.

WIND

SW^ly. or W^ly. over all the more northern parts of our Islands, and also over Scandinavia and Denmark; light or moderate in force generally, but strong at Bodö and Skudesnaes.
Light from the E^nt. in the south of England, as well as over the N. of France, Belgium and the western and southern parts of Germany, S^ly. or SW^ly. in the southwest of France.

WEATHER

Cloudy or dull over W^rn. Europe as a whole, with fog in many places and rain over E^rn. and central England.
Fine at many stations in Ireland and the N^rn. parts of Great Britain.
Since yesterday morning rain has fallen in the S. and E. of England generally, as well as, in several other isolated parts of W^rn. Europe. A solar halo was seen yesterday at Oxford, and a lunar halo at Hurst Castle. Aurora was seen last night at Stornoway.

SEA

Rather rough at Sumburgh Hd., and moderate off our extreme SW. coasts, but slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The Continental anticyclone has extended over our islands, and appears to be increasing both in size and height. Fair weather is therefore probable in most districts, with lower temperatures than of late, and with fogs at night.

FORECASTS

For the 24 hours ending at NOON on 20TH OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^ly. winds, light or moderate; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S^ly. winds, light, misty or foggy, rain locally.
3	ENGLAND EAST	Light breezes chiefly E^ly.; some rain at first, then fair, but foggy at night, cooler.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S^ly. winds, light; fair generally, but some mist or fog.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E^ly. and SE^ly. winds, light; fair generally, but local fogs.
9	IRELAND NORTH	Same as Nos. 0 and 1.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.93	55	54	SSW	8	o	5
Sumburgh Head	29.60	53	50	WSW	3	bc	5
Stornoway	29.65	53	53	W	6	o	6
Aberdeen	29.82	61	51	SW	3	b	4
Shields	29.98	62	54	SW	4	c	2
Ardrossan	29.91	57	55	SSW	4	b	3
Malin Head ...	29.85	56	53	SSW	5	c	2
Belmullet	29.89	55	52	WSW	2	bp	*
Holyhead	30.04	59	57	SSW	4	b	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.98	60	56	SSW	4	bc	5
Scilly	30.08	58	57	SSE	2	om	4
Jersey	30.17	62	60	ESE	1	o	1
Hurst Castle ...	30.17	62	59	S	1	om	2
Dungeness ...	30.18	61	59	S SW	3	c	2
North Foreland	30.20	63	60	SSE	2	c	2
London (Westminster)	30.17	64	56	SW	2	c	*
Yarmouth ...	30.13	62	58	SW	3	bc	3
Rochefort ...	30.20	73	66	S	3	c	*

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

Weather in morning fair or fine over W^m. Europe as a whole, but dull in the SE of England and rainy in the W. of Norway. Foggy in many parts of Denmark, Germany and central France; fine in Austria, Greece and the S. of Russia; cloudy or dull in Italy. A little rain falling later in the extreme W. and N. of our Islands, as well as at several of the Scandinavian stations; rain setting in at night over the S. and E. of England. Aurora seen at Stornoway.

Temperature fallen in the W^m. and N^w. countries, but risen elsewhere. Morning readings highest 71° at Malta, 68° at La Calle, and 67° at Algiers; above 60° at most of the Mediterranean, Adriatic and Spanish coast stations, and just touching it at Jersey and Dungeness. Lowest 33° at Haparanda, 39° at Nenfahrwasser, 40° at Archangel and Kharkov, and 41° at Uleaborg. Rising during day to 60° and upwards in all but the extreme W^m. and N^w. parts of our Islands, and reaching 66° in London and at Cambridge; exceeding 70° at many of the French stations, and reaching 75° at Biarritz. Succeeding night very mild in the south of England.

Wind SW^ly. over our islands generally and fresh or strong in force on some parts of our western and northern coasts, S^ly. over the Netherlands, Denmark, the Baltic and the southern parts of Scandinavia, with a gale at Skudesnaes; calm or E^ly. in the west of Norway. E^ly. (SE to NE) over the Spanish peninsula; SE^ly. over the greater part of France. Calm over Austria and the south of Russia; variable in Italy. Subsequently backing to the SE^wd. in the extreme south of England. No important change occurring elsewhere.

Barometer highest 30.4 ins. to 30.5 ins. over E^n. Austria and the S. of Russia; 30.2 ins. and upwards in an anticyclone extending from the S^w. parts of Russia across the whole of central and the greater part of S^n. Europe. Lowest 29.5 ins. and less in a depression lying off the N. of Scotland, 29.6 ins. and less in another disturbance over the White Sea. Former depression subsequently travelling away to the N. and barometer rising briskly over all the more N^w. parts of our 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.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 20th October, 1897.

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 ...	29.83	36	N	0	0	30.12	+.34	32	31	− 3	NNW	2	bc	*	0	*	41	32	0.08
	Hernösand ...	29.90	40	N	0	b	30.03	+.06	44	42	− 2	NNW	4	bc	*	b	*	57	39	-
	Stockholm ...	30.04	47	SW	2	c	30.01	−.10	46	45	− 6	W	2	b	*	c	*	54	45	-
	Wisby	30.10	48	NNW	4	b	30.05	−.14	49	49	− 1	W	4	0	*	b	*	50	45	-
	Karlstad ...	30.03	51	S	2	0	30.06	−.06	37	36	− 13	N	0	f	*	0	*	*	*	-
	Bodö	29.83	47	SW	5	0	30.11	+.37	41	37	− 8	NE	2	b	1	0	*	50	41	0.28
	Christiansund ...	29.90	48	WSW	4	r	30.15	+.28	42	41	− 8	SE	1	bc	3	r	*	52	43	0.32
	Skudesnaes ...	30.10	52	WNW	4	bc	30.25	+.17	50	46	− 3	WNW	6	0	3	bc	*	54	45	*
	Færder (Christiania Fjord)	30.03	53	WSW	4	b	30.08	−.02	48	45	− 3	NW	2	c	2	b	*	54	48	-
	Skagen (The Scaw)	30.11	51	W	1	0	30.09	−.10	50	47	+ 1	NW	3	b	0	b	*	52	48	-
	Fanö	30.19	50	WSW	2	c	30.25	.00	49	47	− 2	NW	4	c	*	c	*	52	46	0.16
	Sumburgh Head	30.02	48	WNW	3	0	30.25	+.44	49	49	− 1	N	0	c	3	bc.o	*	53	45	0.04
	Stornoway ...	30.13	49	W	2	0	30.25	+.30	53	53	+ 4	NNW	3	0	3	c.o	5.7	53	46	0.03
	Wick	30.13	48	W	2	bc	30.29	+.32	51	50	+ 2	SW	1	0	1	bc	*	55	42	0.02
	Nairn	30.19	47	N	0	b	30.32	+.30	55	51	+ 9	NNW	1	c	1	b	*	59	42	0.01
	Aberdeen ...	30.22	47	W	1	bw	30.36	+.31	50	48	0	SW	1	ogmp	1	b.bw	5.1	59	43	0.01
	Leith	30.22	53	WSW	3	b	30.41	+.29	54	52	+ 5	WSW	3	om	*	b	*	60	48	-
	Shields	30.28	52	W	2	b	30.44	+.29	52	51	+ 1	WSW	1	0	2	bc.b	*	62	47	-
	Spurn Head ...	30.27	57	W	2	b	30.45	+.25	50	49	− 1	WNW	3	bw	2	r.b	*	59	48	0.02
	York	30.27	54	SSW	1	b	30.46	+.27	42	42	− 8	N	0	bf	*	b	4.3	61	40	-
	Loughborough ...	30.31	57	WNW	1	c	30.51	+.29	37	37	− 14	W	1	fw	*	cm.bm.f	*	62	37	-
British Isl.	Ardrossan ...	30.26	54	SW	3	cm	30.44	+.33	54	53	+ 1	SSW	2	cm	2	cm	*	57	52	-
	Malin Head ...	30.26	54	WSW	3	0	30.38	+.30	53	51	0	S	3	c	1	p.c.o	*	55	51	0.04
	Belmullet ...	30.29	55	WSW	1	b	30.39	+.24	50	49	− 4	NW	1	b	*	c.b	*	57	49	-
	Donaghadee ...	30.30	53	WSW	3	bc	30.45	+.29	52	50	+ 1	WSW	3	bc	1	bc	*	61	47	-
	Liverpool (Bidston)	30.33	52	W	1	0	30.50	+.30	50	47	− 4	SSE	1	b	1	bc.o	*	58	47	-
	Holyhead ...	30.32	53	N	0	c	30.48	+.29	47	46	− 8	S	1	bcf	1	bc.c	*	60	48	-
	Parsonstown ...	30.32	53	N	0	c	30.44	+.24	47	46	+ 3	N	0	bc	*	bc	8.0	50	42	-
	Valencia ...	30.30	53	N	0	b	30.41	+.19	55	53	− 4	N	0	bc	2	bv.b	8.6	60	45	-
	Roche's Point ..	30.33	55	S	1	b	30.46	+.23	54	53	+ 1	SSE	3	m	3	bf	*	60	45	-
	Pembroke (St. Ann's Hd.)	30.32	54	NNE	3	b	30.49	+.27	48	46	− 5	E	3	bmw	3	b	8.2	59	46	-
	Scilly	30.29	56	NNE	1	bc	30.43	+.26	56	55	− 1	E	1	cw	1	f.bc	1.8	60	53	0.01
	Prawle Point ...	30.32	56	NNE	2	bc	30.48	+.26	54	53	− 4	NNE	3	b	2	bc	*	65	51	-
	Jersey (St. Aubin's)	30.29	61	NW	2	b	30.46	+.24	59	58	0	ENE	2	cfw	2	b.bm	*	69	56	-
	Hurst Castle ...	30.30	59	N	0	cm	30.48	+.28	49	48	− 9	NNE	1	bm	1	cm	*	66	48	-
	Dungeness ...	30.25	60	NNW	3	c	30.47	+.26	48	48	− 10	NNW	2	f	1	b.c	*	65	48	-
Germany & Holland.	North Foreland	30.28	57	W	2	c	30.48	+.25	51	50	− 7	W	2	bw	2	bc.c	*	64	46	-
	London (Brixton) ...	30.29	59	NW	1	0	30.50	+.27	45	45	− 12	WSW	1	f	*	df.c.bf	0.1	65	44	-
	Oxford	30.36	52	NW	1	bc	30.52	+.30	45	45	− 10	NNW	1	bf	*	r.bc.f	*	60	42	0.02
	Cambridge ...	30.31	52	N	1	bf	30.51	+.28	39	39	− 16	N	0	bm	*	rm.bf	0.5	59	37	0.15
	Yarmouth ...	30.25	53	N	2	b	30.44	+.23	45	44	− 11	NNW	2	bf	2	r.b	*	57	42	0.23
	Cuxhaven ...	30.18	54	N	0	r	30.27	.00	51	51	+ 1	N	2	bc	*	rf	*	55	48	0.35
	Berlin	30.19	53	N	0	f	30.15	−.15	49	48	0	NW	3	o	*	f	*	55	48	0.39
	Wiesbaden ...	*	*	*	*	*	30.26	+.04	50	48	− 3	NW	2	b	*	*	*	57	50	0.08
	Munich	30.33	52	N	0	0	30.26	−.11	51	51	0	W	4	r	*	o	*	54	50	0.08
	The Helder ...	30.24	51	N	1	bc	30.39	+.16	53	52	+ 1	NW	1	b	1	bc	*	55	52	0.39
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	30.23	57	WSW	1	0	30.43	+.25	52	52	− 7	NE	1	m	1	o	*	61	50	-
	Paris	30.27	56	S	1	b	30.43	+.19	54	53	+ 4	N	2	m	*	b	*	66	50	-
	Brest	30.30	60	NE	1	b	30.40	+.22	52	51	− 2	NE	2	b	2	b	*	70	45	-
	Lorient	?	61	N	0	0	30.40	+.21	53	52	− 5	E	3	m	4	o	*	72	50	-
France &	Rochefort ...	30.23	61	E	1	b	30.30	+.12	52	51	− 3	E	2	b	*	c.b	*	70	50	-
	Belfort	30.25	58	SW	1	m	30.31	+.02	51	51	+ 2	N	0	f	*	m	*	63	47	-
	Lyons	30.28	63	ESE	1	bc	30.34	+.04	49	49	− 1	N	1	bc	*	bc	*	69	48	-
	Nice	30.24	61	N	0	b	30.14	−.12	59	55	+ 1	N	0	b	1	b	*	72	57	-
	Perpignan ...	30.29	55	N	0	bc	30.25	−.02	51	50	− 4	SW	1	b	*	bc	*	64	48	-
	Biarritz ...	30.19	61	E	2	c	30.23	+.13	57	55	− 3	S	2	b	1	c	*	75	55	-
Penin-sula.	Corunna ...	30.10	68	NNE	5	b	30.15	+.04	62	56	+ 1	NNE	4	bc	*	b	*	73	59	-
	Lisbon																*			
	Azores (P. Delgada)																*			

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

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

Bright Sunshine yesterday Southport 5.4 hrs;

WEATHER CHARTS

FOR Wednesday 20th October. 1897.

BAROMETER, WIND AND SEA.

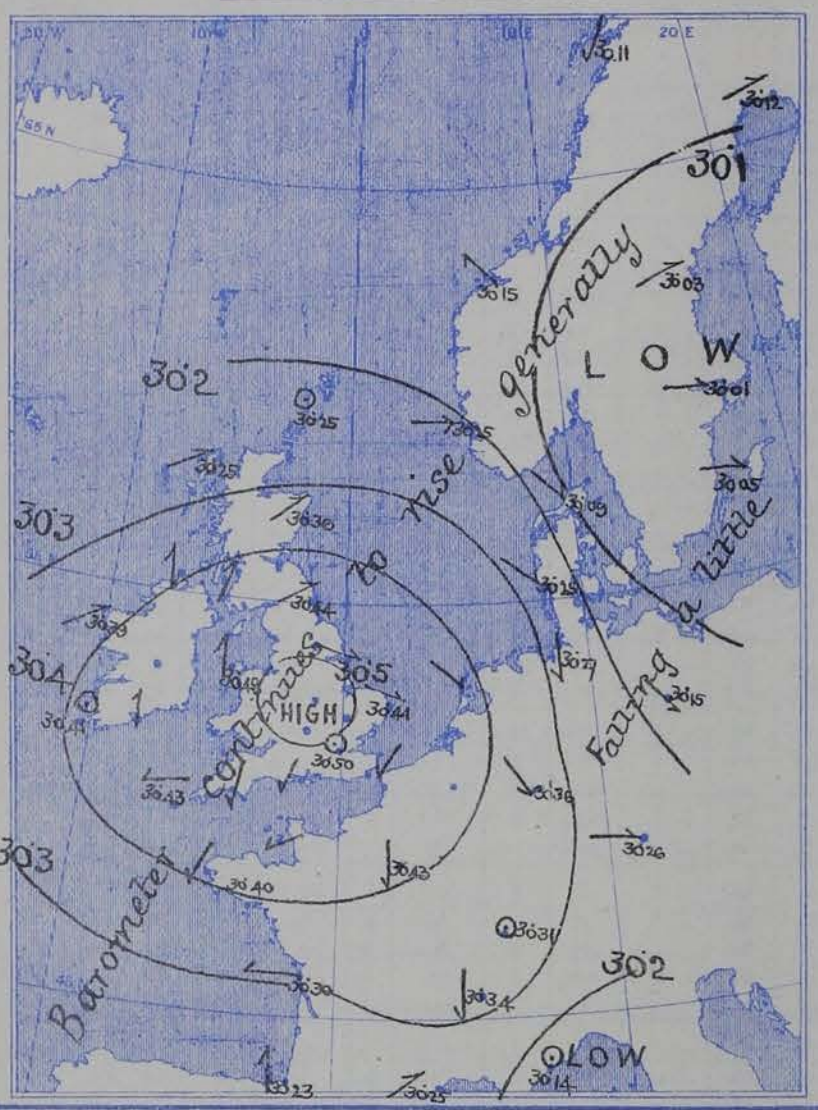
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

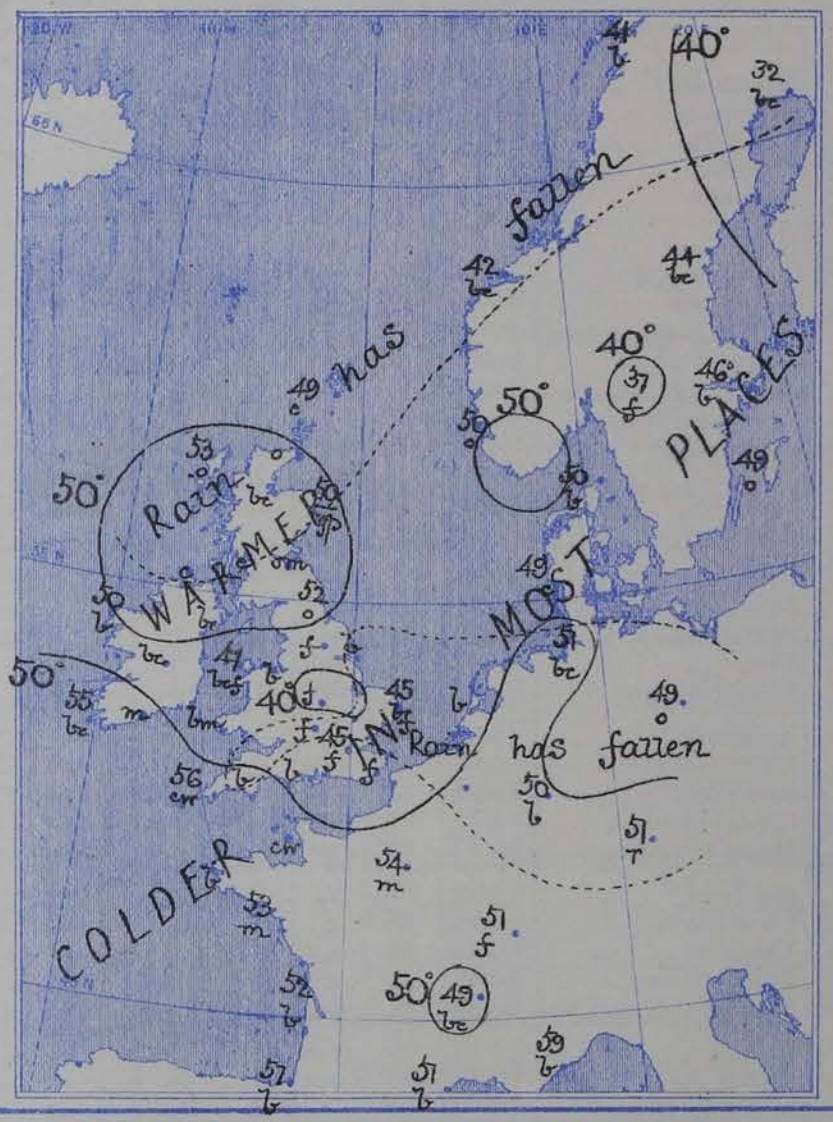


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1892	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.5 ins. and upwards over central England; 30.3 ins. and upwards in an anticyclone covering nearly the whole of our Islands, France and the Netherlands. Lowest 30.1 ins. and less over Sweden and the Baltic and also over the Gulf of Genoa. Gradients slight. Barometer rising generally, but falling a little in Germany & the S. of Sweden.

TEMPERATURE — Highest (1) 62° at Lisbon, 59° at Nice, and 57° at Biarritz; (2) 59° at Jersey, and 56° at Scilly; (3) 55° at Nairn, and 54° at Leith and Aboyne. Lowest (1) 32° at Haparanda, 37° at Karlstad, and 42° at Christiansund; (2) 37° at Loughborough; 39° at Cambridge, and 42° at York. During yesterday the thermometer rose to between 60° and 65° in many parts of England and Ireland, to 66° at Hurst Castle, and 69° at Jersey.

WIND — Light from the SW. ind. over the northern parts of our Islands and from the W. ind. or NW. ind. over the eastern and central parts of England, but E. by N. or NE. by N. over the southwest of England & the NW of France. Moderate from the NW. ind. over Denmark, Germany and the Netherlands; W. by N. over the greater part of Scandinavia, but variable in the west of Norway.

WEATHER — Fair or fine over western Europe as a whole, but foggy at many of the English stations and also over central France. Dull in the north and east of Scotland, with passing showers at Aberdeen; rain was falling at Munich. Rain fell yesterday in the extreme north and northwest of our Islands and the west of Norway, as well as in the southeast of England, Germany and the Netherlands.

SEA — Slight to smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our islands seems likely to continue for a time, and fair weather is therefore probable in most districts, with, however, a good deal of fog in places. Frost is probable tonight at many of the inland stations.

FORECASTS

For the 24 hours ending at NOON on 21ST OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW. by W. and W. by N. winds, light or moderate; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W. by N. winds, light; fair generally, but local fogs.
3	ENGLAND EAST	NW. by N. and N. by W. winds, light; fair generally, but local fogs; frost inland at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S. by W. and SW. by W. winds, light; fair generally, but local fogs.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E. by N. winds, light; fair generally, but local fogs.
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 ...	30·49	54	52	W	4	bc	4
Sumburgh Head	29·95	49	46	W	3	be	4
Stornoway	30·07	52	52	W	3	c	3
Aberdeen	30·13	58	50	W	2	b	1
Shields	30·20	60	55	W	3	be	2
Ardrossan	30·19	57	55	SW	3	cm	3
Malin Head ...	30·18	55	54	WSW	5	c	2
Belmullet	30·24	56	54	WSW	1	c	*
Holyhead	30·27	56	54	WNW	2	bc	1
Valencia	30·27	60	55	S	2	bv	3
Scilly	30·27	57	55	ENE	1	f	3
Jersey	30·25	67	64	ESE	2	b	2
Hurst Castle ...	30·23	65	61	SW	1	cm	1
Dungeness ...	30·21	62	60	SW	2	b	1
North Foreland	30·24	61	59	W	1	bc	1
London (Westminster)	30·23	62	58	ENE	2	ogm	*
Yarmouth ...	30·21	57	56	W	2	r	2
Rochefort ...	30·27	69	64	S	1	c	*

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

Weather in morning cloudy or dull over Europe as a whole, with fog or mist in many places; rain falling over eastern and central England and also over Lapland and at Naples. Fine at several stations in Ireland and the Nw. parts of Gt. Britain, as well as in Austria, the south of Russia, Nw. Italy and the extreme S. of France. Weather improving later in England, but rain occurring over Holland and Germany. A little rain falling also in the extreme N. of our islands, and larger quantities in the W. of Norway.

Temperature fallen in most parts of NW. Europe, but changed irregularly elsewhere. Morning readings highest 73° at Spezzia, 70° at Malta and Algiers, and 67° at Palermo and Oran, above 60° at the Mediterranean, Adriatic and Spanish coast stations generally and very little below it in the S. of England. Lowest (1) 27° at Archangel, 35° at Haparanda, 39° at Ulealborg; (2) 32° at Hermanstadt, and 38° at Kharkov. Rising during day to between 60° and 65° in most parts of England and Ireland, to 66° at Hurst Castle, and to 69° at Jersey; exceeding 70° in the W. and S. of France, and reaching 75° at Biarritz.

Wind SW. or W. over all the more northern parts of the United Kingdom, as well as in Scandinavia, Denmark and northern Russia; light or moderate in force generally, but strong at Bodo and Skudesnaes. Light from the E. over the south of England and the greater part of France and Spain, but S. or SW. in the southwest of France. Calm or variable over Germany, Austria, Italy and the south of Russia. Subsequently shifting to the N. or NW. in the south of England; no important change occurring elsewhere.

Barometer highest 30.41 ins. at Kharkov; 30.2 ins. and upwards in an anticyclone embracing nearly the whole of central, southern and eastern Europe, and extending W. over the southern parts of England and Ireland. Lowest 29.7 ins. and less in the N. of Scandinavia. Anticyclone spreading later over all but the extreme Nw. parts of our islands, barometer falling slightly in Sweden and Denmark.

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 THURSDAY OCTOBER 21ST 1897.

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 ...	30·49	26	N	2	b	30·43	+·31	37	35	+5	Z	0	c	*	b	*	41	23	-
	Hernösand ...	30·50	41	NE	4	o	30·48	+·45	42	41	−2	SW	4	o	*	o	*	48	37	-
	Stockholm ...	30·40	46	NE	6	r	30·60	+·59	42	41	−4	N	2	o	*	r	*	52	42	-
	Wisby	30·52	45	N	6	o	30·57	+·52	47	47	−2	NNE	6	o	*	o	*	50	45	-
	Karlstad ...	30·46	45	NNW	2	b	30·62	+·56	43	42	+6	N	2	f	*	b	*	*	*	-
	Bodö	30·32	42	Z	0	o	30·17	+·06	45	44	+4	SE	4	r	3	o	*	?	37	0·24
	Christiansund ...	30·40	45	Z	0	c	30·40	+·25	51	50	+9	SW	4	r	4	c	*	52	42	0·24
	Skudesnaes ...	30·49	45	N	2	bc	30·65	+·40	47	46	−3	Z	0	o	1	c.bc	*	52	43	*
	Færder (Christiania Fjord)	30·45	51	N	2	b	30·59	+·51	48	47	o	SSW	2	o	1	b	*	54	46	-
	Skagen (The Scaw)	30·45	52	NNE	1	b	30·63	+·54	50	48	o	Z	0	b	0	b	*	52	45	-
	Fanö	30·44	44	NNW	3	b	30·60	+·35	39	38	−10	NNE	2	b	*	b	*	54	37	-
British Islands.	Sumburgh Head	30·34	52	W	2	o	30·48	+·23	51	51	+2	SSW	1	o	3	r.o	*	53	48	0·10
	Stornoway ...	30·37	53	ESE	3	o	30·39	+·14	53	53	o	SSW	3	o	4	c.o	4·4	59	49	0·02
	Wick	30·41	52	W	1	b	30·49	+·20	50	49	−1	W	1	bc	1	b	*	61	40	-
	Nairn	30·44	52	E	2	b	30·51	+·19	40	39	−15	S	1	bc	1	b	*	62	34	-
	Aberdeen ...	30·46	51	WSW	1	be.mw	30·55	+·19	41	40	−9	W	1	bmw	1	bc.bcm	2·1	61	38	-
	Leith	30·48	55	WSW	1	bc	30·56	+·15	44	43	−10	WSW	1	f	*	bc	*	64	39	-
	Shields	30·50	56	WSW	2	bgm	30·59	+·15	48	47	−4	SW	2	f	2	c.bm	*	64	45	-
	Spurn Head ...	30·50	53	ESE	1	b	30·60	+·15	54	53	+4	Z	0	bw	1	b	*	58	48	-
	York	30·50	56	WSW	1	b	30·61	+·15	41	41	−1	SW	1	bf	*	b	6·3	65	39	-
	Loughborough ...	30·52	49	WNW	1	bc	30·62	+·11	43	43	+6	Z	0	ofw	*	cm.bcf	*	64	37	-
	Ardrossan ...	30·49	52	SSW	2	cm	30·55	+·11	49	47	−5	NE	2	bmw	1	b.cm	*	57	45	-
	Malin Head ...	30·40	53	S	3	bm	30·46	+·08	54	51	+1	S	3	bm	2	c.bm	*	60	51	-
	Belmullet ...	30·42	58	WSW	1	o	30·49	+·10	56	50	+6	SW	1	o	*	bc.o	*	65	48	-
	Donaghadee ...	30·50	52	WSW	2	b	30·57	+·12	52	52	o	SE	3	b	1	b	*	60	47	0·01
	Liverpool (Bidston)	30·52	53	WNW	1	b	30·59	+·09	46	45	−4	ESE	2	m	?	b.f	*	59	44	-
	Holyhead ...	30·50	52	E	1	b	30·56	+·08	50	48	+3	Z	0	bf	0	bc.b	*	60	46	-
	Parsonstown ...	30·45	52	SE	1	b	30·52	+·08	50	49	+3	SE	1	o	*	b	9.2	62	45	-
	Valencia ...	30·42	59	SE	3	b	30·47	+·06	54	52	−1	E	1	bm	2	bv, b	9.2	65	51	-
	Roche's Point ...	30·50	52	SSE	1	b	30·52	+·06	52	51	−2	E	3	m	3	f.b	*	58	48	0·01
	Pembroke (St. Ann's Hd.)	30·49	56	SE	3	b	30·54	+·05	50	48	+2	SE	3	bm	2	b	7·1	59	47	-
	Scilly	30·45	56	E	1	b	30·45	+·02	56	55	o	E	3	o	4	f	4·0	60	54	0·01
	Prawle Point ...	30·50	56	NNE	2	b	30·54	+·06	54	53	o	NNE	3	bc	2	b	*	61	50	-
	Jersey (St. Aubin's)	30·47	58	ENE	3	bm	30·51	+·05	55	53	−4	ENE	2	bcmw	2	b	*	65	52	-
	Hurst Castle ...	30·49	55	NE	1	bcm	30·56	+·08	49	48	o	NE	2	bm	2	bm	*	60	47	-
	Dungeness ...	30·49	57	NNE	2	b	30·55	+·08	56	50	+8	NE	4	c	3	b.bf	*	60	43	-
	North Foreland	30·52	55	W	2	bc	30·58	+·10	56	51	+5	NE	3	c	3	bc	*	58	50	0·02
	London (Brixton) ...	30·51	50	NW	1	b.f	30·59	+·09	46	46	+1	ENE	1	fw	*	f.b.bfw	3·0	65	45	-
	Oxford	30·54	49	2	0	f	30·61	+·09	40	40	−5	N	1	f	*	f.bc.f	*	59	39	-
	Cambridge ...	30·52	53	NNW	1	bc	30·62	+·11	43	43	+4	NNW	1	f	*	bc	8·1	60	37	-
	Yarmouth ...	30·49	54	NW	2	b	30·58	+·14	52	50	+7	NE	3	bw	3	b	*	57	43	-
Germany & Holland.	Cuxhaven ...	30·33	50	NNW	4	o	30·52	+·25	45	45	−6	NNE	2	f	*	r.o	*	55	45	0·08
	Berlin	30·25	48	WNW	2	c	30·41	+·26	50	48	+1	NW	3	o	*	c	*	54	45	0·04
	Wiesbaden ...	*	*	*	*	*	30·44	+·08	48	44	−2	NE	2	bc	*	*	*	57	45	0·04
	Munich	30·36	46	NW	3	o	30·36	+·10	43	41	−8	NNW	1	o	*	o	*	52	41	0·04
	The Helder ...	30·46	51	N	2	b	30·57	+·18	51	49	−2	NNE	1	b	1	b	*	55	50	-
Belgium.	Brussels ...	*	*	*	*	*	30·55	+·09	48	46	−2	NNE	3	bc	*	b	*	60	45	-
	Cape Gris Nez ...	30·46	55	NE	2	m	30·49	+·06	49	47	−3	ESE	2	o	2	m	*	57	45	-
	Paris	30·47	53	NNE	1	b	30·48	+·05	45	44	−9	NE	2	bc	*	b	*	63	44	-
	Brest	30·41	60	NE	2	b	30·43	+·03	50	48	−2	ENE	1	bc	2	b	*	60	43	-
	Lorient	30·42	58	E	4	m	30·42	+·02	52	51	−1	ENE	4	m	4	m	*	66	50	-
France &	Rochefort ...	30·28	59	ESE	5	o	30·32	+·02	50	47	−2	ENE	4	b	*	o	*	70	46	-
	Belfort	30·38	46	NE	3	b	30·32	+·01	43	42	−8	NE	5	c	*	b	*	60	39	-
	Lyons	30·30	55	N	3	b	30·25	−·09	44	41	−5	NNW	5	b	*	b	*	59	40	-
	Nice	29.97	60	E	2	c	29.88	−·26	60	45	+1	E	6	c	6	c	*	70	54	-
	Perpignan ...	30·16	67	NW	2	b	30·05	−·20	59	52	+8	NW	1	b	*	b	*	77	51	-
	Biarritz ...	30·21	62	NW	2	b	30·15	−·08	51	50	−6	NE	3	o	2	b	*	70	50	-
Peninsula.	Corunna ...																*			
	Lisbon	30·07	69	NNE	4	b	30·04	−·11	63	57	+1	NE	3	b	*	c.b	*	77	59	—
	Azores (P. Delgada)	29.92	66	SE	4	r	29.86	−·13	62	61	−4	ESE	4	r	5	f.r	*	70	61	1.81

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

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

Bright Sunshine yesterday Southport 6.8 hrs;

WEATHER CHARTS

FOR THURSDAY, 21st OCTOBER, 1897.

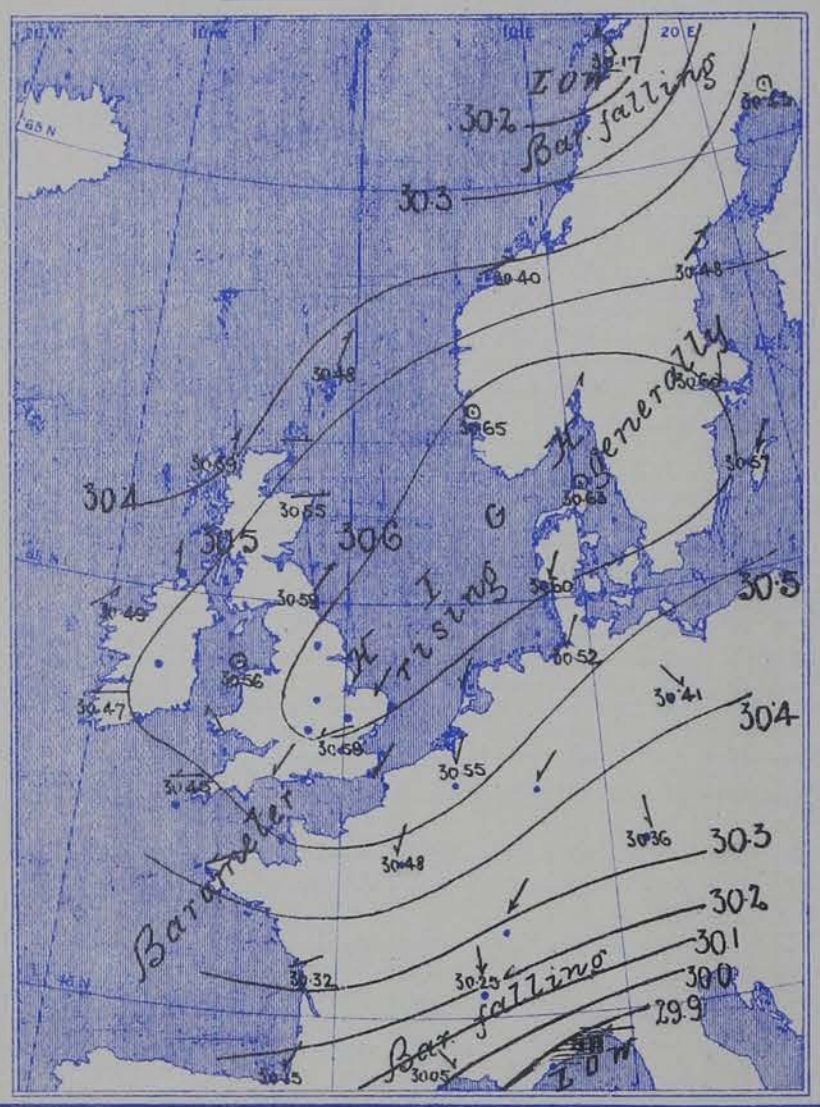
BAROMETER, WIND AND SEA.

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* ▩

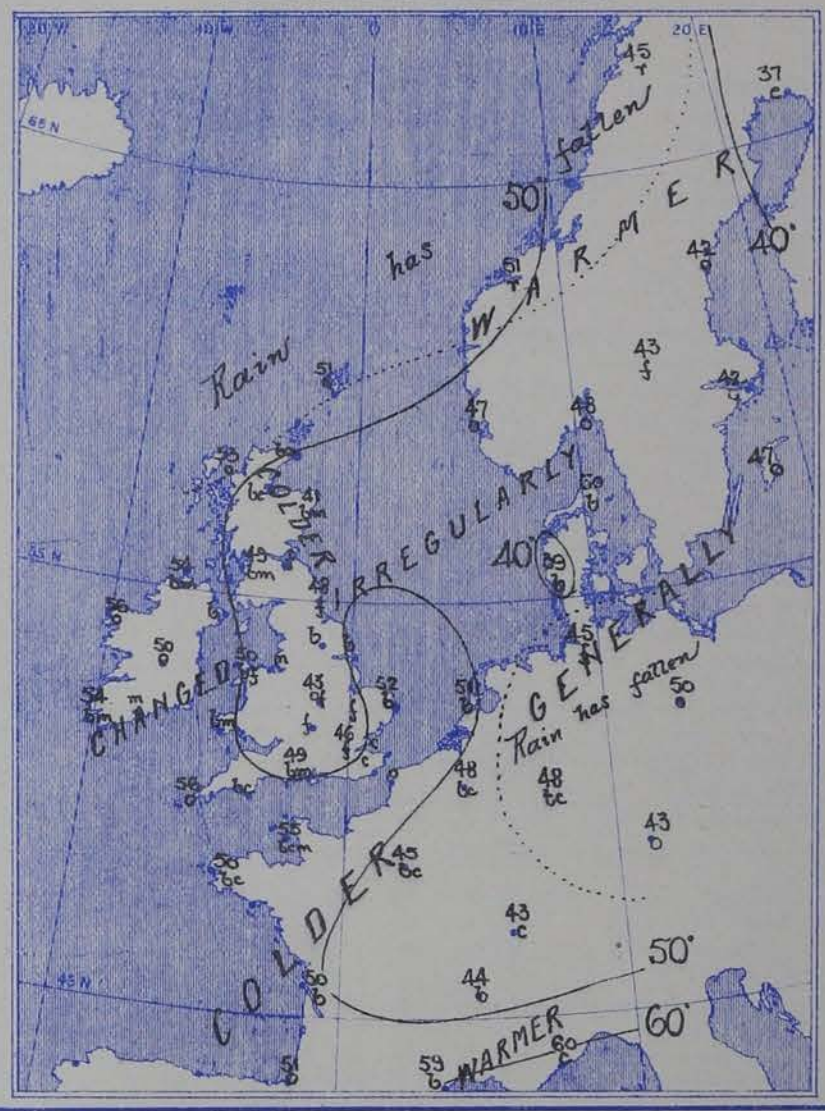


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 in. and upwards in an elongated area extending from the central and N^E^ parts of England to the N. of Denmark and the S. of Scandinavia; 30.3 in. and upwards in an anticyclone covering all but the extreme N^rn^ and S^th^ parts of our area.
Lowest 29.9 in. and less in a depression over the Gulf of Genoa; 30.2 in. and less in a shallow area off the NW. of Norway.
Gradients slight generally, but rather steep over the S. of France. Barometer rising generally, but falling in the N. of Scandinavia and also in the S. of France.

TEMPERATURE

Highest (1) 63° at Lisbon, 60° at Nice, and 59° at Perpignan; (2) 56° at Belmullet, Scilly, Dungeness and the North Foreland, and 55° at Jersey.
Lowest (1) 37° at Haparanda, and 42° at Herrösand and Stockholm; (2) 40° at Nairn and Cromer; (3) 43° at Belfast and Munich.
During yesterday the thermometer rose to between 60° and 65° in many parts of our islands.

WIND

N^by^ or NE^by^ in the southeast of England, as well as over France, the Netherlands, Germany, Denmark and the south of Sweden; light or moderate in force generally, but fresh or strong in the E. & SE. of France.
Light from the S^th^ or SW^th^ over the northern parts of the United Kingdom; moderate from between SW. and SE. over the north of Scandinavia.

WEATHER

Fine over W^rn^ Europe as a whole, but with fog or mist in many parts of Gt. Britain.
Dull in the Shetlands and Hebrides, and also over Scandinavia, with rain at Bodö & Christiansund.
A little rain fell yesterday in the extreme N. of Scotland and the W. of Norway, as well as in Germany.

SEA

Slight or smooth generally, but rough at Nice.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 22^ND^ OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^by^ winds, light or moderate; dull, slight rain locally.
1	SCOTLAND EAST	S^by^ and SW^by^ winds; fair generally, but some mist or fog.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light breezes, chiefly NE^by^; fair generally, but local fogs at night.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Variable or E^by^ airs; fair generally, but some mist or fog.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E^by^ and SE^by^ winds, light or moderate; fair generally.
9	IRELAND NORTH	S^by^ and SW^by^ winds, light or moderate; fair generally.
10	IRELAND SOUTH	Same as No. 8
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·39	52	49	NNW	4	c	2
Sumburgh Head	30·31	53	53	W	2	r	3
Stornoway	30·33	58	58	SW	3	c	4
Aberdeen	30·41	60	55	SW	1	bc	1
Shields	30·46	62	56	WSW	3	c	2
Ardrossan	30·46	55	54	SSW	2	cm	2
Malin Head ...	30·40	60	56	S	4	b	2
Belmullet	30·41	62	57	WSW	1	bc	*
Holyhead	30·49	59	54	SW	1	bc	1
Valencia	30·41	65	59	SE	3	bv	3
Scilly	30·45	58	57	E	2	f	1
Jersey	30·48	64	60	NE	3	b	3
Hurst Castle ...	30·50	60	56	2	0	bm	0
Dungeness ...	30·48	60	54	NNE	2	b	1
North Foreland	30·51	58	54	W	2	b	2
London (Westminster)	30·51	61	53	NNW	2	bm	*
Yarmouth ...	30·46	57	54	NW	2	b	2
Rochefort ...	30·33	70	65	E	4	c	*

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

Weather in morning fair or fine over W.m and S.m Europe generally, but foggy at many of the English stations, as well as over Belgium and central France. Dull in the N. and E. of Scotland, with showers at Aberdeen; raining at many of the German and Austrian stations; cloudy in Russia, with fog at Helsingfors and Riga. Slight rain falling later in the Shetlands, Hebrides and W. of Norway; fog clearing over England.

Temperature fallen in England, and also in Denmark, Scandinavia and Russia, changed irregularly elsewhere. Morning readings highest 70° at Algiers, 69° at Malta, and 68° at San Fernando; above 60° at the Mediterranean, Adriatic and Spanish coast stations generally, and very little below it in the Channel islands. Lowest (1) 30° at Archangel, 32° at Haparanda, and 36° at Ulealborg; (2) 37° at Loughborough, 39° at Cambridge, and 42° at York. Rising during day to between 60° and 65° in most parts of our islands, and to 70° and upwards over the S. of France and the Spanish peninsula; reaching 77° at Perpignan and Lisbon.

Wind light from the NE.nd or E.nd over the Channel, Bay of Biscay and the Spanish peninsula, but from the SW.nd or W.nd over all the more northern parts of our Islands. Moderate from the W.nd or NW.nd over Scandinavia, Denmark, Germany and Austria. Variable in Russia and also in Italy and the S. of France. No important change occurring over W.m Europe during day.

Barometer highest 30.5 ins. and upwards over central England; 30.2 ins. and upwards in an anticyclone covering the whole of W.m Europe. Lowest 29.9 ins. and less in a depression over the extreme N. of Russia; 30.1 ins. and less in a shallow area over the Black Sea. Anticyclone subsequently spreading NE.wd over N.m 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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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Friday 22nd October, 1897.

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 ...	30·16	38	NW	2	b	30·25	− ·18	34	33	− 3	Z	0	b	*	b	*	43	23	0·39
	Hernösand ...	30·38	50	Z	0	r	30·48	·00	50	47	+ 8	Z	0	b	*	r	*	50	37	0·04
	Stockholm ...	30·52	45	Z	0	0	30·51	− ·09	48	46	+ 6	WNW	2	c	*	0	*	48	39	—
	Wisby	30·62	44	N	4	b	30·53	− ·04	47	46	0	NW	4	c	*	b	*	48	41	—
	Karlstad ...	30·55	47	SW	2	0	30·59	− ·03	40	40	− 3	N	2	f	*	0	*	*	*	—
	Bodö	30·35	43	WSW	6	r	30·46	+ ·29	46	45	+ 1	W	5	r	3	r	*	46	37	0·35
	Christiansund ...	30·51	52	WSW	6	r	30·62	+ ·22	52	51	+ 1	WSW	5	0	4	r	*	54	51	0·04
	Skudesnaes ...	30·65	47	Z	0	b	30·64	− ·01	45	44	− 2	E	1	b	1	b	*	52	43	*
	Færder (Christiania Fjord)	30·54	51	WSW	2	b	30·61	+ ·02	45	45	− 3	NE	1	m	1	b	*	52	45	—
	Skagen (The Scaw)	30·58	46	WSW	1	b	30·58	− ·05	52	51	+ 2	NNE	1	bc	0	b	*	52	46	—
	Fanö	30·67	45	Z	0	b	30·61	+ ·01	48	47	+ 9	Z	0	b	*	b	*	54	39	—
British Islands.	Sumburgh Head	30·50	50	WNW	1	c	30·58	+ ·10	47	47	− 4	Z	0	b	2	bc.c	*	56	45	—
	Stornoway ...	30·49	52	W	2	0	30·51	+ ·12	44	44	− 9	W	1	0	1	0.c.f	2·4	57	41	—
	Wick	30·55	56	E	1	b	30·56	+ ·07	36	36	− 14	W	1	f	1	b	*	62	33	—
	Nairn	30·53	50	E	1	b	30·57	+ ·06	36	35	− 4	S	1	fb	1	b	*	66	32	—
	Aberdeen ...	30·53	47	SSW	1	b	30·59	+ ·04	40	39	− 1	W	1	bmw	1	b	7·7	65	38	—
	Leith	30·55	53	Z	0	m	30·57	+ ·01	40	40	− 4	W	1	f	*	m	*	66	38	—
	Shields	30·59	53	Z	0	f	30·61	+ ·02	45	45	− 3	SW	2	c	2	f	*	62	42	—
	Spurn Head ...	30·60	51	ESE	2	b	30·57	− ·03	51	49	− 3	E	3	c	3	b. bw	*	58	50	—
	York	30·61	55	SE	1	b	30·61	·00	47	46	+ 6	E	1	c	*	b	5·7	61	39	—
	Loughborough ...	30·60	48	ESE	1	b	30·58	− ·04	48	47	·· 5	ENE	2	cmw	*	bm.om	*	62	35	—
	Ardrossan ...	30·55	56	Z	0	bm	30·54	− ·01	49	48	0	NE	2	bfw	1	bm	*	60	46	—
	Malin Head ...	30·48	56	SSE	1	bm	30·47	+ ·01	51	49	− 3	ESE	3	bm	1	bm	*	62	49	—
	Belmullet ...	30·48	52	ESE	1	b	30·43	− ·06	52	49	− 4	SE	2	b	*	b.f	*	62	48	—
	Donaghadee ...	30·54	53	SSE	3	f	30·55	− ·02	52	51	0	SSE	3	m	1	f	*	59	45	—
	Liverpool (Bidston)	30·57	55	SE	1	m	?30·58	− ·01	45	43	− 1	SE	1	b	1	f.m	*	60	44	—
	Holyhead ...	30·54	54	Z	0	bm	30·50	− ·06	48	47	− 2	E	1	bw	1	b. bm	*	58	45	—
	Parsonstown ...	30·51	55	SE	1	b	30·46	− ·06	46	45	− 4	SE	1	b	*	b	5·5	61	44	—
	Valencia ...	30·43	57	E	2	bm	30·37	− ·10	53	50	− 1	E	3	bm	3	bm	8·9	63	51	—
	Roche's Point ..	30·48	56	ESE	4	m	30·44	− ·08	55	52	+ 3	ESE	4	b	4	m	*	60	51	—
	Pembroke (St. Ann's Hd.)	30·51	54	ESE	3	b	30·45	− ·09	48	46	− 2	E	4	bm	3	b	7·6	59	46	—
	Scilly	30·42	56	E	4	cm	30·34	− ·11	55	52	− 1	E	5	c	4	c. cm	8·7	61	52	—
	Prawle Point ...	30·47	54	ENE	5	c	30·39	− ·15	50	49	− 4	ENE	6	c	5	c	*	58	49	—
	Jersey (St. Aubin's)	30·44	54	ENE	4	bm	30·33	− ·18	54	51	− 1	E	5	c	4	b. bcm	*	58	51	—
	Hurst Castle ...	30·50	56	ENE	4	bm	30·43	− ·13	51	49	+ 2	NE	4	cm	3	cm. bm	*	59	46	—
	Dungeness ...	30·49	55	NE	5	c	30·42	− ·13	52	50	− 4	ENE	6	c	5	bc. c	*	58	50	—
	North Foreland	30·57	55	NE	4	c	30·48	− ·10	53	51	− 3	ENE	6	0	5	bc. c	*	57	50	—
	London (Brixton) ...	30·55	51	NE	3	b	30·50	− ·09	50	48	+ 4	ENE	2	0g	*	f. b. c	3·7	60	45	—
	Oxford	30·59	45	NE	2	c	30·53	− ·08	47	45	+ 7	NE	3	a	*	c. f	*	59	40	—
	Cambridge ...	30·60	48	E	1	b	30·56	− ·06	47	47	+ 4	ENE	1	0	*	b	4·9	57	38	0·01
	Yarmouth ...	30·57	53	NE	4	bcv	30·53	− ·05	50	47	− 2	ENE	5	cg	4	b. bcv	*	56	48	—
Germany & Holland.	Cuxhaven ...	30·63	48	NE	2	0	30·60	+ ·08	46	46	+ 1	E	1	0	*	f. 0	*	52	43	—
	Berlin	30·56	51	NNW	4	0	30·57	+ ·16	48	48	− 2	NNE	4	0	*	a	*	54	48	—
	Wiesbaden ...	*	*	*	*	*	30·38	− ·06	54	49	+ 6	NE	5	b	*	*	*	54	48	—
	Munich... ..	30·39	44	E	5	0	30·32	− ·04	48	46	+ 5	ENE	7	0	*	0	*	48	43	—
	The Helder ...	30·61	50	ENE	4	b	30·58	+ ·01	47	45	− 4	E	4	c	2	b	*	54	46	—
Belgium.	Brussels ...	*	*	*	*	*	30·46	− ·09	45	44	− 3	ENE	5	0	*	b	*	55	41	—
	Cape Gris Nez...	30·47	54	E	4	bc	30·40	− ·09	46	46	− 3	E	5	m	5	bc	*	54	43	—
	Paris	30·41	51	NE	4	bc	30·28	− ·20	47	45	+ 2	N	3	b	*	bc	*	57	43	—
	Brest	30·37	54	ENE	3	b	30·27	− ·16	48	46	− 2	ENE	3	b	3	b	*	57	41	—
	Lorient... ...	30·34	56	E	4	bc	30·23	− ·19	48	46	− 4	NE	4	m	3	bc	*	66	48	—
France &	Rochefort ...	30·25	53	ENE	5	b	30·18	− ·14	46	45	− 4	ENE	5	b	*	b	*	59	43	—
	Belfort	30·30	46	NE	8	0	30·16	− ·16	50	46	+ 7	NE	6	a	*	0	*	50	43	—
	Lyons	30·12	48	N	5	b	30·08	− ·17	44	42	0	NNW	2	b	*	b	*	54	42	—
	Nice	29·95	52	NE	4	c	29·83	− ·05	56	47	− 4	ENE	7	0	6	c, Z	*	63	48	0·08
	Perpignan ...	30·02	55	NE	1	bc	30·00	− ·05	58	45	− 9	SW	1	0	*	bc	*	68	45	—
	Biarritz ...	30·06	59	N	3	b	30·03	− ·12	43	41	− 8	E	2	b	3	b	*	64	43	—
Penin-sula.	Corunna ...																*			
	Lisbon	29·91	66	NW	4	b	29·84	− ·20	67	55	+ 4	NW	3	b	*	b	*	71	63	—
	Azores (P. Delgada)	29·91	65	NNE	4	bc	29·95	+ ·09	64	60	+ 2	NNW	4	c	3	bc	*	72	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 3·3 hrs;

WEATHER CHARTS

FOR Friday, 22nd October, 1897.

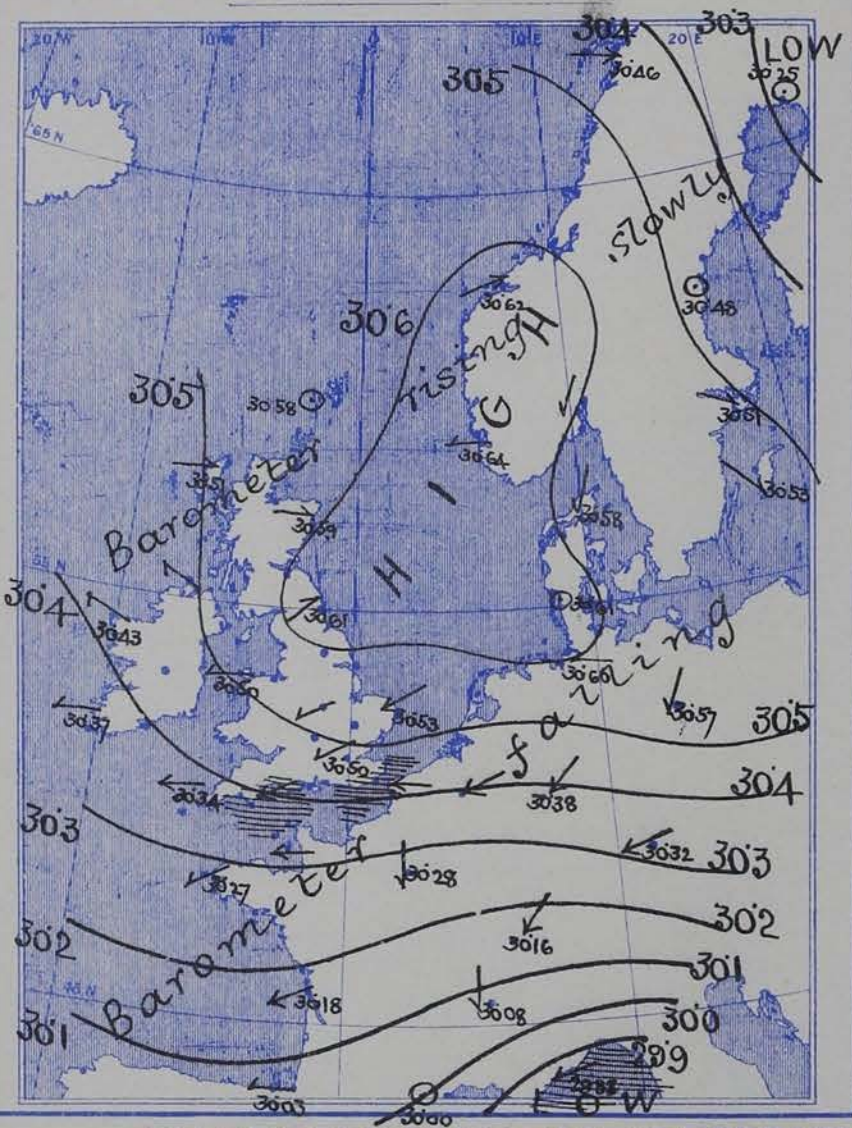
BAROMETER, WIND AND SEA.

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* ▬

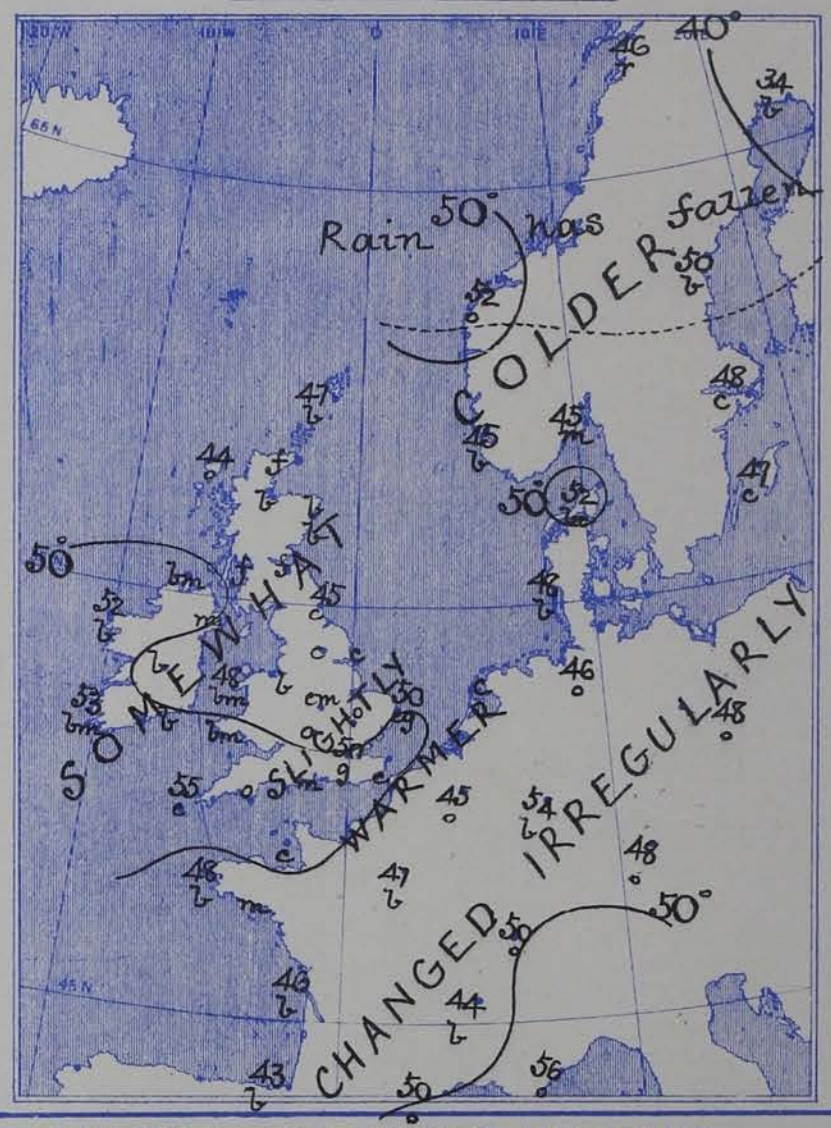


TEMPERATURE & WEATHER.

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 OCTOBER.*

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92. 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	--	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. and upwards over the NE. of England, the North Sea and the S^th. parts of Norway; 30.3 ins. and upwards in an anticyclone embracing the greater part of NW^n. Europe.
Lowest 29.9 ins. and less in the south of Portugal and the extreme S. of France.
Gradients slight generally, but moderate over the south of France.
Barometer rising slightly in the extreme N. of our islands and more decidedly in Scandinavia, but falling elsewhere.

TEMPERATURE

Highest (1) 67° at Lisbon, 56° at Nice, and 50° at Perpignan; (2) 55° at Scilly & Rochis Pt & 54° at Jersey.
Lowest (1) 34° at Haparanda, and 40° at Karlstad; (2) 36° at Wick and Nairn, & 40° at Aberdeen and Leith.
During yesterday the thermometer rose to 60° and upwards over the more northern parts of our islands generally, and to 66° at Nairn and Leith. In the south the readings were mostly below 60°.

WIND

E^ly. or NE^ly. over all the more southern parts of our islands and also over France, Germany and the Netherlands; strong in force on the more exposed parts of our S. and SE. coasts.
Light from the SE^nd. in the north of Ireland, but from the W^nd. in the north & east of Scotland.
Fresh from the W^nd. in the west of Norway; calm in the north of Sweden; N^ly. in the south of Scandinavia.

WEATHER

Fair or fine over western Europe generally, but dull in the S. and SE. of England, as well as in Germany and the extreme south of France.
Fog is reported at Wick and Leith and also at Karlstad.
Rain fell yesterday in the north of Scandinavia and also at Nice, but in other parts of our area the weather was dry. Lightning was seen at Nice in the evening.

SEA

Rather rough at some of the English Channel stations, but moderate & smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is now moving slowly NE^wds., and low pressure systems are spreading N^wds. from the Spanish peninsula and the Mediterranean. There are, however, at present no signs of any important change in the weather over our islands.

FORECASTS

For the 24 hours ending at NOON on 23^rd. OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W^ly. to S^ly. winds, light; fair generally, but local fogs.
1	SCOTLAND EAST	
2	ENGLAND N.E.	E^ly. and NE^ly. winds light or moderate; fair generally.
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	Same as No. 2.
5	ENGLAND SOUTH	E^ly. and NE^ly. winds moderate inland, fresh or strong on coast; fair, cool.
6	SCOTLAND WEST	E^ly. and NE^ly. winds light; fair generally, but local fogs.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 5.
9	IRELAND NORTH	SE^ly. winds, light; fair generally.
10	IRELAND SOUTH	E^ly. winds moderate or fresh; 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 ...	30·66	52	50	SSE	2	c	2
Sumburgh Head	30·50	54	52	SW	1	bc	3
Stornoway	?30·43	55	35	SW	3	o	4
Aberdeen	30·52	65	54	SW	1	b	1
Shields	30·59	60	55	SE	1	f	2
Ardrossan	30·54	62	58	S	1	bm	0
Malin Head ...	30·48	62	58	S	1	b	1
Belmullet	30·48	62	58	SSW	1	b	*
Holyhead	30·55	57	54	NNE	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·43	63	56	SE	3	bm	5
Scilly	30·43	60	57	E	3	c	4
Jersey	30·47	58	52	E	5	b	4
Hurst Castle ...	30·53	58	54	ENE	4	cm	3
Dungeness ...	30·52	57	52	NE	5	bc	4
North Foreland	30·59	56	52	NE	3	bc	3
London (Westminster)	30·57	58	52	ENE	3	c	*
Yarmouth ...	30·58	55	52	ENE	3	b	3
Rochefort ...	30·35	59	54	ENE	5	c	*

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

Weather in morning fair or fine over W^m. Europe generally, but with fog or mist in many parts of Gt. Britain. Dull in most of the N^rn, central and E^rn countries, with rain in the W. of Norway, as well as at Prague, Vienna and Kharkov; thunderstorm reported at Naples. Fog clearing later over England; rain falling in the N. of Sweden and also at Nice; lightning seen at Nice in evening.

Temperature fallen in Scotland and also over the central and S^rn parts of the Continent, changed irregularly elsewhere. Morning reading, highest 72° at Sfax, 68° at Barcelona, and 67° at Palermo, Malta and Algiers; above 60° at most of the Mediterranean and Spanish coast stations. Lowest (1) 26° at Ulealborg, 33° at Archangel and Kuopio, and 37° at Haparanda; (2) 40° at Nairn and Cocford; (3) 43° at Belfort and Munich. Daily maxima below 60° at most of our own S^rn stations, but thermometer exceeding 60° in the N. and reaching 66° at Nairn and Leith; exceeding 65° also in the S. of France, and reaching 77° at Lisbon. Frost occurring in the N. of Scotland at night.

Wind light to moderate from the NE^nd over the Baltic, Denmark, N. Germany, the Netherlands, the southeast of England, France and the Spanish peninsula; E^ly on our own southwest coasts. Light from the S^th or SW^nd over the northern parts of our Islands; moderate from between SW. and SE. over the northern parts of Scandinavia. NW^ly over eastern Germany; W^ly or SW^ly in the south of Italy. No important change occurring over western Europe during day.

Barometer highest 30.6 ins. and upwards in an elongated area extending from the central and N^rn parts of England to the N. of Denmark and the S. of Scandinavia, 30.3 ins. and upwards in an anticyclone covering the whole of NW^rn, N^rn and the greater part of central Europe. Lowest 29.9 ins. and less in a large and somewhat complex depression lying over Corsica, Sardinia, the neighbouring parts of the Mediterranean, and all the more S^rn parts of Italy and the Adriatic. No important change occurring over W^rn Europe during day, but new depression appearing off the Portuguese coast 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.

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 23rd October, 1897.

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 ...	30·34	37	SW	0	b	30·24	-·01	39	38	+ 5	SW	0	f	*	b	*	48	28	-
	Hernösand ...	30·32	44	SW	0	b	30·47	-·01	44	43	- 6	SW	2	bc	*	b	*	57	41	-
	Stockholm ...	30·37	48	SW	0	b	30·52	+·01	46	46	- 2	NW	2	b	*	b	*	57	43	-
	Wisby	30·36	49	N	NW	bc	30·53	·00	48	48	+ 1	N	4	c	*	bc	*	50	39	-
	Karlstad ...	30·39	46	WNW	2	b	30·57	-·02	42	41	+ 2	N	2	f	*	b	*	*	*	-
	Bodö	30·43	49	SW	7	0	30·34	-·12	48	48	+ 2	SW	8	r	5	0	*	49	43	0·04
	Christiansund ...	30·62	51	SW	0	m	30·58	-·04	51	49	- 1	SW	0	0	3	m	*	54	50	0·04
	Skudesnaes ...	30·62	49	SW	0	b	30·58	-·06	46	45	+ 1	E	1	b	1	b	*	58	45	*
	Færder (Christiania Fjord)	30·60	50	W	1	b	?	?	43	43	- 2	N	1	f	1	b	*	50	43	-
	Skagen (The Scaw)	30·62	48	SW	0	f	30·60	+·02	47	46	- 5	SW	0	f	0	f	*	54	45	-
	Fanö	30·57	50	E	4	0	30·55	-·06	46	45	- 2	ESE	2	0	*	0	*	55	46	-
British Islands.	Sumburgh Head	30·58	48	ENE	1	f	30·45	-·13	46	46	- 1	NE	1	b	2	b.f	*	54	45	-
	Stornoway ...	30·44	51	SW	0	0	30·31	-·20	41	41	- 3	SW	0	0	0	bc.0	6·8	58	34	-
	Wick	30·51	52	SW	0	b	30·41	?·15	?41	?40	+ 5	S	2	b	0	bf	*	58	34	-
	Nairn	30·52	46	SW	0	f	30·41	-·16	35	35	- 1	SW	1	f	1	f	*	56	32	-
	Aberdeen ...	30·53	45	WSW	1	bmw	30·47	-·12	45	44	+ 3	S	1	omw	1	b.m	7·1	55	40	-
	Leith	30·50	50	W	1	b	30·42	-·15	44	44	+ 4	NE	2	om	*	b.f	*	58	36	-
	Shields	30·54	50	SW	0	bm	30·42	-·19	48	48	+ 3	NE	1	oa	2	bm	*	53	42	-
	Spurn Head ...	30·48	51	ENE	3	b	30·35	-·22	50	49	- 1	E	5	0	4	bc	*	54	50	-
	York	30·52	51	NE	1	b	?30·38	-·23	51	50	+ 4	NE	1	om	*	b	6·6	57	45	-
	Loughborough ...	30·47	50	ENE	3	c	30·35	-·23	48	46	0	E	4	om	*	c.bc.cm	*	56	48	-
	Ardrossan ...	30·47	56	NE	1	bf	30·36	-·18	46	45	- 3	NE	3	bfw	2	b.bf	*	63	42	-
	Malin Head ...	30·41	53	SSE	3	bm	30·27	-·20	49	48	- 2	ESE	5	cu	2	bm	*	58	46	-
	Belmullet ...	30·40	55	WSW	2	b	30·26	-·17	49	47	- 3	E	2	0	*	b	*	60	45	-
	Donaghadee ...	30·47	54	ESE	3	m	30·33	-·22	52	49	0	E	6	bc	4	m	*	58	50	-
	Liverpool (Bidston)	30·45	51	E	2	m	30·32	-·26	51	47	+ 6	E	2	0	2	bm	*	56	46	-
	Holyhead ...	30·39	53	ENE	2	b	30·28	-·22	50	48	+ 2	E	3	b	2	b	*	55	47	-
	Parsonstown ...	30·37	49	SW	0	b	30·25	-·21	47	45	+ 1	SE	1	c	*	b	9.0	60	41	-
	Valencia ...	30·29	54	ESE	4	bc	30·14	-·23	54	50	+ 1	E	4	om	3	bm.bc	8·7	60	52	-
	Roche's Point ..	30·34	54	ESE	5	0	30·19	-·25	55	52	0	ESE	5	om	4	c.om	*	56	52	-
	Pembroke (St. Ann's Hd.)	30·34	52	ESE	3	b	30·24	-·21	48	46	0	E	4	og	3	b	8·2	57	46	-
	Scilly	30·22	55	ENE	5	0	30·11	-·23	55	53	0	ENE	5	om	2	0	0·4	56	52	-
	Prawle Point ...	30·27	53	ENE	7	c	30·17	-·22	51	49	+ 1	ENE	7	0	5	c	*	58	49	-
	Jersey (St. Anbin's)	30·32	55	ENE	6	ogm	30·12	-·21	53	51	- 1	E	5	om	4	0.ogm	*	56	52	-
	Hurst Castle ...	30·31	56	NE	5	c	30·19	-·24	?53	51	+ 2	ENE	5	ogm	3	c	*	58	51	-
	Dungeness ...	30·30	54	ENE	6	0	30·20	-·22	53	50	+ 1	E	5	0	5	0	*	56	50	-
	North Foreland	30·38	54	NE	6	0q	30·26	-·22	53	51	0	NE	6	cq	5	c.0	*	56	50	-
	London (Brixton) ...	30·39	52	ENE	4	0	30·25	-·25	51	49	+ 1	ENE	4	oq	*	c.oq	0·0	54	49	-
	Oxford	30·40	48	NE	3	0	30·28	-·25	48	46	+ 1	ENE	3	0	*	0.c.0	*	54	47	-
	Cambridge ...	30·44	49	ENE	3	0	30·31	-·25	49	48	+ 2	NE	3	ogm	*	c.0	4·4	54	46	-
	Yarmouth ...	30·42	49	ENE	6	0	30·32	-·21	50	48	0	E	6	cg	5	c	*	51	48	-
Germany & Holland.	Cuxhaven ...	30·53	48	E	2	bc	30·50	-·10	44	44	- 2	ESE	4	0	*	bc	*	50	43	-
	Berlin	30·52	48	NE	3	0	30·51	-·06	43	42	- 5	NE	3	c	*	0	*	52	43	-
	Wiesbaden ...	*	*	*	*	*	30·25	-·13	50	46	- 4	NE	1	b	*	*	*	57	48	-
	Munich... ..	30·22	46	E	5	b	30·21	-·11	46	45	- 2	ENE	5	0	*	b	*	52	43	-
	The Helder ...	30·46	49	ENE	4	c	30·39	-·19	46	43	- 1	E	4	c	2	c	*	48	46	-
Belgium.	Brussels ...	*	*	*	*	*	30·25	-·21	45	43	0	ENE	5	b	*	b	*	57	43	-
	Cape Gris Nez...	30·28	53	E	6	0	30·17	-·23	46	43	0	E	5	m	5	0	*	55	45	-
	Paris	30·16	54	NE	3	b	30·10	-·18	43	42	- 4	NNE	3	m	*	b	*	62	42	-
	Brest	30·15	53	ENE	3	c	30·08	-·19	48	47	0	NE	2	b	2	0	*	59	43	-
	Lorient... ...	30·12	54	NE	5	m	30·04	-·19	51	50	+ 3	ENE	3	0	3	m	*	59	46	-
France &	Rochefort ...	30·04	54	ENE	3	b	29·99	-·19	50	48	+ 4	ENE	4	c	*	b	*	61	43	-
	Belfort	30·03	51	NE	6	b	30·03	-·13	45	43	- 5	ENE	4	0	*	b	*	56	44	-
	Lyons	30·01	50	W	1	b	30·04	-·04	42	42	- 2	E	1	b	*	b	*	58	40	-
	Nice	29·90	56	E	7	0	29·91	+·08	57	51	+ 1	E	7	c	6	0	*	63	54	-
	Perpignan ...	29·98	62	NW	2	0	29·96	-·04	52	48	+ 2	NW	1	0	*	0	*	61	48	0·20
	Biarritz ...	29·99	57	NE	3	b	29·95	-·08	44	43	+ 1	E	3	b	2	b	*	59	41	-
Peninsula.	Corunna ...																*			
	Lisbon	29·87	64	?	1	b	29·93	+·09	57	57	- 10	NNE	4	r	*	b	*	72	57	0·04
	Azores (P. Delgada)	30·05	63	NNW	3	b	30·05	+·10	61	58	- 3	NNE	3	c	2	b	*	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 7·0 hrs;

WEATHER CHARTS

FOR Saturday, 23rd October 1897.

BAROMETER, WIND AND SEA.

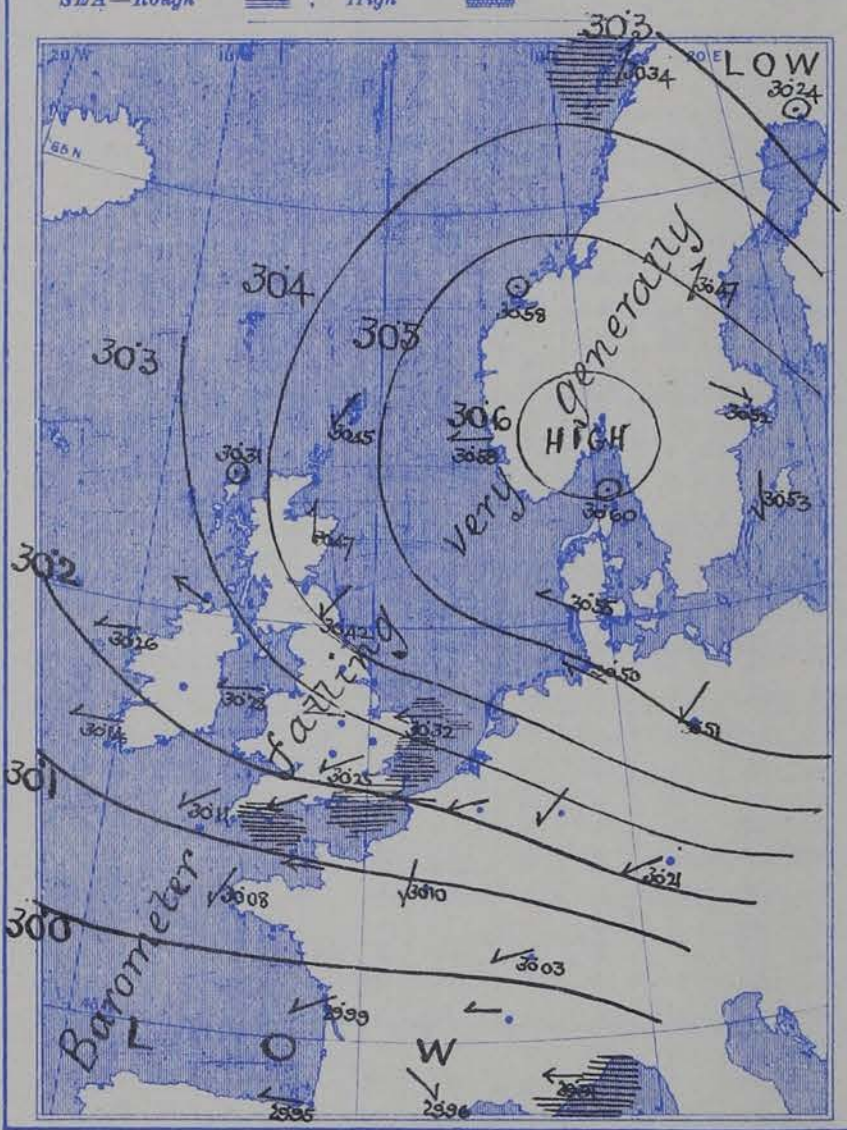
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▦

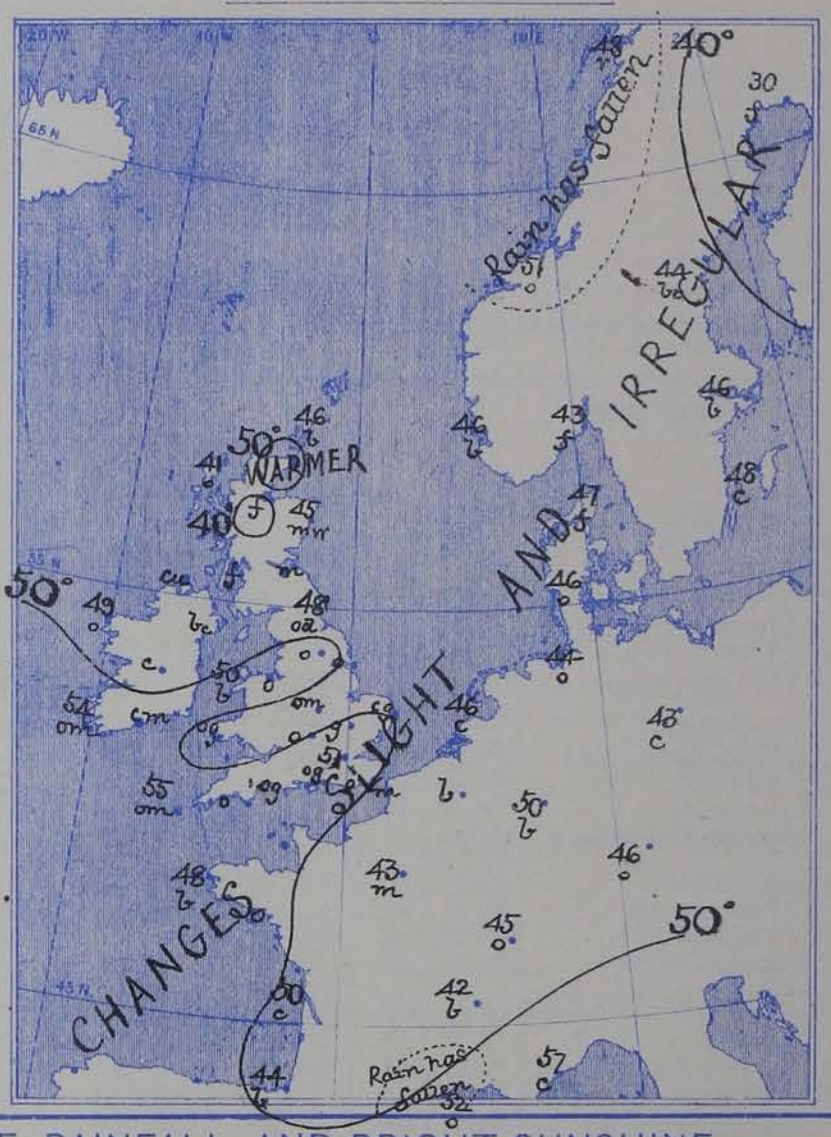


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·60 in: at Skagen; 30·2 in: and upwards, in an anticyclone covering the greater part of northwestern Europe
Lowest, 30·0 in: and less, over the southern parts of France.
Gradients slight. Barometer falling generally.

TEMPERATURE

Highest, (1) 57° at Nice and 52° at Perpignan; (2) 55° at Rockhill Point and Scilly, and 54° at Valencia (Ireland).
Lowest, (1) 35° at Nairn, 41° at Stornoway, and 44° at Leith; (2) 39° at Haparanda and 42° at Karlstad; (3) 43° at Paris and Berlin.
The maxima registered yesterday were below 60° in most parts of our Islands, and below 55° at most stations in the east and southeast of England; At Aberdeen, however, the thermometer is reported to have risen to 63°.

WIND

E. or NE. over England, Ireland, the Netherlands, France and Germany, and strong in force on many parts of our east and southeast coasts, as well as at Donaghadee.
Light from the S. and E. in the northeast of Scotland; strong to a gale from the SW. at Bodö; N. in the south of Scandinavia.

WEATHER

Cloudy or dull over the greater part of our Islands, France and Germany, with mist in several places, and fog at some of the Scotch stations. Fine in Sweden, but foggy over the Skager Rack and the Christiania Fiord; dull in the west of Norway, with rain at Bodö.
A little rain fell yesterday in the west of Norway and also at Perpignan, but in all other parts of our area the weather remained dry.

SEA

Rather rough on the more exposed parts of our south and east coasts as well as at Bodö and Nice, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone continues to move away to the eastward, and the conditions are becoming favourable for the advance of depressions towards our southwest coasts. There are, however, no signs of any immediate change in the weather.

FORECASTS

For the 24 hours ending at NOON on 24th Oct. 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and SE. winds, light; fair generally, but local fogs.
1 SCOTLAND EAST	
2 ENGLAND N.E.	E. winds, moderate; fair, cool.
3 ENGLAND EAST	Same as No. 5.
4 MIDLAND COUNTIES	Same as No. 2.
5 ENGLAND SOUTH	E. and NE. winds, strong on coast; fair, cool.
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. winds, fresh or strong; fair generally.
10 IRELAND SOUTH	E. and SE. winds, fresh or strong; fair at first, some rain later.
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	58	54	E	2	b	1
Sumburgh Head	30·57	53	52	NE	1	b	2
Stornoway	30·48	58	48	W	0	c	0
Aberdeen	30·55	53	50	W	1	b	1
Shields	30·56	52	51	SE	2	bm	2
Ardrossan	30·49	60	58	W	0	b	0
Malin Head ...	30·42	58	54	ESE	4	bm	1
Belmullet	30·39	60	52	SSE	2	b	*
Holyhead	30·45	54	50	E	2	b	1
Valencia	30·31	60	52	E	3	bm	1
Scilly	30·27	55	52	ENE	5	o	4
Jersey	30·25	55	52	ENE	5	o	4
Hurst Castle ...	30·35	57	53	ENE	6	c	3
Dungeness ...	30·31	54	51	ENE	6	o	5
North Foreland	30·41	54	52	NE	6	o	5
London (Westminster)	30·41	55	50	ENE	4	og	*
Yarmouth ...	30·47	50	48	ENE	5	c	4
Rochefort ...	30·06	61	54	E	4	bc	*

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

Weather in morning fair or fine over Western Europe generally, but dull in the south and southeast of England, and foggy at some of the Scotch stations. Dull in most of the Eastern, central, and southern countries, with fog in places, and rain in several parts of Germany, northern Italy, and the south of France, as well as at Bodö, Kuopio and St Petersburg. No important change occurring over Western Europe during day.

Temperature changed very irregularly. Morning readings highest 69° at Malta, 61° at Lisbon, 66° at Brindisi, and 65° at Algiers; above 60° at several of the Mediterranean, Adriatic, and Spanish coast stations. Lowest (1) 31° at Archangel, 32° at Moscow, 34° at Haparanda, and 39° at Kuopio; (2) 36° at Wick and Nairn, and 40° at Aberdeen and Leith. Daily maxima below 60° in most parts of the United Kingdom, and below 55° in the east and southeast of England; thermometer reaching 63° at Ardrossan and also rising slightly above 60° in the south of France. Frost occurring over Central Scotland at night.

Wind NE³ or E³ over the more southern parts of our Islands and also over the Netherlands, France, Germany, Austria and Spain; strong in force on the south and southeast coasts of England, and blowing a moderate gale at Munich, Brest, Nice, and Lisbon. SE³ in Ireland, and light from between S and W in Scotland. W³ in the west of Norway; calm in the south of Sweden, but NW³ or N³ in the south of that country and also over the greater part of Russia. S³ a SE³ over the central and southern parts of Italy. No important change occurring over Western Europe during day.

Barometer highest 30·6 ins: and upwards over the northeast of England, the North Sea, and the southern part of Norway; 30·3 ins: and upwards in an anticyclone embracing the greater part of northwestern, northern, and central Europe. Lowest 29·8 ins: and less in a depression lying over Corsica and the neighbouring parts of the Mediterranean. Anticyclone moving slowly northeastwards during day, but barometer falling 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.

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 Sunday 24th October, 1897.

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 ...	30·04	47	W	6	o	30·19	− ·05	40	39	+ 1	Z	o	b	*	o	*	52	36	–
	Hernösand ...	30·37	49	Z	o	b	30·38	− ·09	39	38	− 5	W	2	b	*	b	*	57	37	–
	Stockholm ...	30·43	49	Z	o	bc	30·43	− ·09	43	42	− 3	Z	o	b	*	bc	*	57	41	–
	Wisby	30·50	45	N	4	b	30·43	− ·10	47	46	− 1	NNW	4	b	*	b	*	50	43	–
	Karlstad ...	30·49	46	Z	o	b	30·51	− ·06	40	39	− 2	NW	2	f	*	b	*	*	*	–
	Bodö	30·30	49	SW	8	o	30·33	− ·01	49	48	+ 1	WSW	6	o	4	o	*	50	46	·008
	Christiansund ...	30·50	45	Z	o	bc	30·50	− ·08	48	47	− 3	SSW	1	c	?	bc	*	54	43	–
	Skudesnaes ...	30·54	49	Z	o	o	30·58	·00	47	46	+ 1	SSW	2	o	1	o	*	50	45	*
	Færder (Christiania Fjord)	30·54	46	SW	2	f	30·52	?	42	42	− 1	W	1	f	o	f	*	46	41	–
	Skagen (The Scaw)	30·55	45	Z	o	fo	30·56	− ·04	46	46	− 1	WSW	1	fo	o	f	*	48	45	·014
	Fanö	30·52	46	ESE	4	o	30·55	·00	47	46	+ 1	SE	2	fo	*	o	*	52	46	–
British Islands.	Sumburgh Head	30·37	49	SE	2	o	30·41	− ·014	49†	48†	+ 3	S	1	o	3	o	*	54	48	–
	Stornoway ...	30·22	51	W	3	o	30·32	+ ·01	50	50	+ 9	W	2	o	2	o	7·1	52	39	–
	Wick ...	30·31	50	ESE	5	b	30·40	− ·01	36	35	− 15	NW	2	b	2	0.b	*	58	32	–
	Nairn	30·30	45	Z	o	b	30·39	− ·02	31	31	− 4	S	1	b	1	b	*	48	28	–
	Aberdeen ...	30·37	50	SSE	4	o	30·43	− ·04	50	47	+ 5	S	3	og	3	o	0·0	51	44	–
	Leith	30·38	51	E	3	c	30·38	− ·04	48	46	+ 4	ESE	1	b	*	c	*	51	40	–
	Shields	30·36	50	SE	2	o	30·41	− ·01	50	49	+ 2	SE	3	o	3	o	*	52	47	–
	Spurn Head ...	30·39	50	E	4	o	30·33	− ·02	50	49	o	E	5	og	4	og	*	52	49	–
	York	30·34	50	ESE	2	o	30·37	− ·02	51	48	o	ENE	1	o	*	o	0·0	54	48	–
	Loughborough ...	30·29	49	NE	4	o	30·32	− ·03	50	48	+ 2	NE	2	o	*	omgm,c	*	51	48	–
	Ardrossan ...	30·33	48	NE	2	b	30·35	− ·01	44	43	− 2	NNE	3	bfr	?	b	*	52	40	–
	Malin Head ...	30·23	51	ESE	2	o	30·28	+ ·01	49	47	o	ESE	2	ogm	1	o	*	52	47	–
	Belmullet ...	30·19	51	SSE	2	o	30·25	− ·01	44	42	− 5	E	2	b	*	o	*	59	40	–
	Donaghadee ...	30·28	51	S	4	c	30·32	− ·01	50	48	− 2	E	5	c	3	c	*	54	48	–
	Liverpool (Bidston)	30·28	50	E	1	o	30·31	− ·01	46	44	− 5	E	1	b	?	o	*	52	42	–
	Holyhead ...	30·24	50	NE	1	bc	30·26	− ·02	48	47	− 2	NE	2	bm	1	bc	*	55	42	–
	Parsonstown ...	30·22	50	SE	1	o	30·24	− ·01	48	45	+ 1	Z	o	o	*	o	0·0	52	44	–
	Valencia ...	30·14	54	ESE	2	o	30·16	+ ·02	53	49	− 1	E	3	om	2	o	0·0	56	41	–
	Roche's Point ..	30·17	54	ESE	5	o	30·20	+ ·01	54	52	− 1	ESE	4	cm	4	o	*	56	50	–
	Pembroke (St. Ann's Hd.)	30·20	50	NE	3	o	30·20	− ·04	48	46	o	E	3	bm	3	o	0·0	51	45	–
	Scilly	30·08	54	NE	4	o	30·08	− ·03	54	52	− 1	ENE	4	m	2	o	0·0	56	42	–
	Prawle Point ...	30·11	51	ENE	5	c	30·13	− ·04	51	49	o	ENE	5	og	4	c, om	*	52	49	·01
	Jersey (St. Aubin's)	30·07	54	ESE	5	o	30·10	− ·02	53	51	o	ENE	4	bm	3	og, bm	*	55	51	–
	Hurst Castle ...	30·12	55	E	3	bc	30·18	− ·01	50	49	− 3	NE	4	cm	2	bc	*	57	48	–
	Dungeness ...	30·13	55	ENE	6	c	30·20	·00	50	48	− 3	E	5	b	4	c	*	56	48	–
	North Foreland	30·20	54	NE	6	b	30·24	− ·02	50	48	− 3	E	4	c	4	c	*	56	49	–
	London (Brixton) ...	30·21	52	ENE	3	og	30·25	·00	50	47	− 1	ENE	3	o	*	c, o	2·8	50	48	–
	Oxford	30·25	49	NE	3	o	30·26	− ·02	49	47	+ 1	NE	3	o	*	o	*	53	46	–
	Cambridge ...	30·26	49	ENE	3	o	30·29	− ·02	49	48	o	E	1	o	*	o	0·0	54	40	–
	Yarmouth ...	30·25	50	E	5	bc	30·28	− ·04	50	48	o	E	5	c	5	bc	*	51	48	–
Germany & Holland.	Cuxhaven ...	30·45	46	E	2	b	30·48	− ·02	46	46	+ 2	E	3	b	*	b	*	50	44	–
	Berlin	30·48	44	SE	2	c	30·50	− ·01	43	42	o	E	3	c	*	c	*	50	41	–
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30·21	43	E	6	c	30·28	+ ·07	41	40	− 5	E	6	o	*	c	*	62	41	–
	The Helder ...	30·31	49	E	5	b	30·36	− ·03	44	42	− 2	E	4	b	2	b	*	52	45	–
Belgium.	Brussels ...	*	*	*	*	*	30·26	+ ·01	40	39	− 5	ENE	4	b	*	b	*	58	38	–
	Cape Gris Nez ...	30·12	53	E	5	m	30·17	·00	40	39	− 6	E	3	m	3	m	4	54	37	–
	Paris	30·07	50	NE	2	b	30·13	+ ·03	41	40	− 2	NE	3	m	*	b	*	59	40	–
	Brest	30·04	53	NE	1	o	30·04	− ·04	52	50	+ 4	ENE	2	o	1	o	*	55	45	–
	Lorient	30·03	53	NNE	4	o	30·03	− ·01	52	51	+ 1	ENE	3	o	2	o	*	57	46	–
France &	Rochefort ...	29·97	53	ENE	3	b	29·98	− ·01	45	44	− 5	ENE	4	b	*	b	*	66	43	–
	Belfort	30·04	51	NE	5	b	30·16	+ ·13	43	42	− 2	ENE	4	m	*	b	*	58	43	–
	Lyons	30·04	51	NE	1	b	30·14	+ ·10	40	40	− 2	ESE	1	f	*	b	*	59	38	–
	Nice	29·97	58	ENE	2	c	30·02	+ ·11	55	49	− 2	Z	o	bc	1	c	*	61	54	–
	Perpignan ...	30·01	53	Z	o	b	30·05	+ ·09	46	45	− 6	SW	1	b	*	b	*	65	43	–
	Biarritz ...	29·91	59	NE	3	b	29·93	− ·02	53	50	+ 9	E	3	b	1	b	*	66	44	–
Peninsula.	Corunna ...																*			
	Lisbon	29·88	64	ESE	3	r	29·81	− ·12	60	60	+ 3	ENE	4	r	*	r	*	68	57	1·34
	Azores (P. Delgada)	30·02	61	Z	o	bc	29·83	− ·22	64	61	+ 3	SSW	5	o	5	bc	*	68	61	–

For Explanation of Columns, see bottom of last page. † The corresponding values in yesterday's report should have been 51° and 50°

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 0·3 hrs;

WEATHER CHARTS

FOR SUNDAY, 24th OCTOBER, 1897.

BAROMETER, WIND AND SEA.

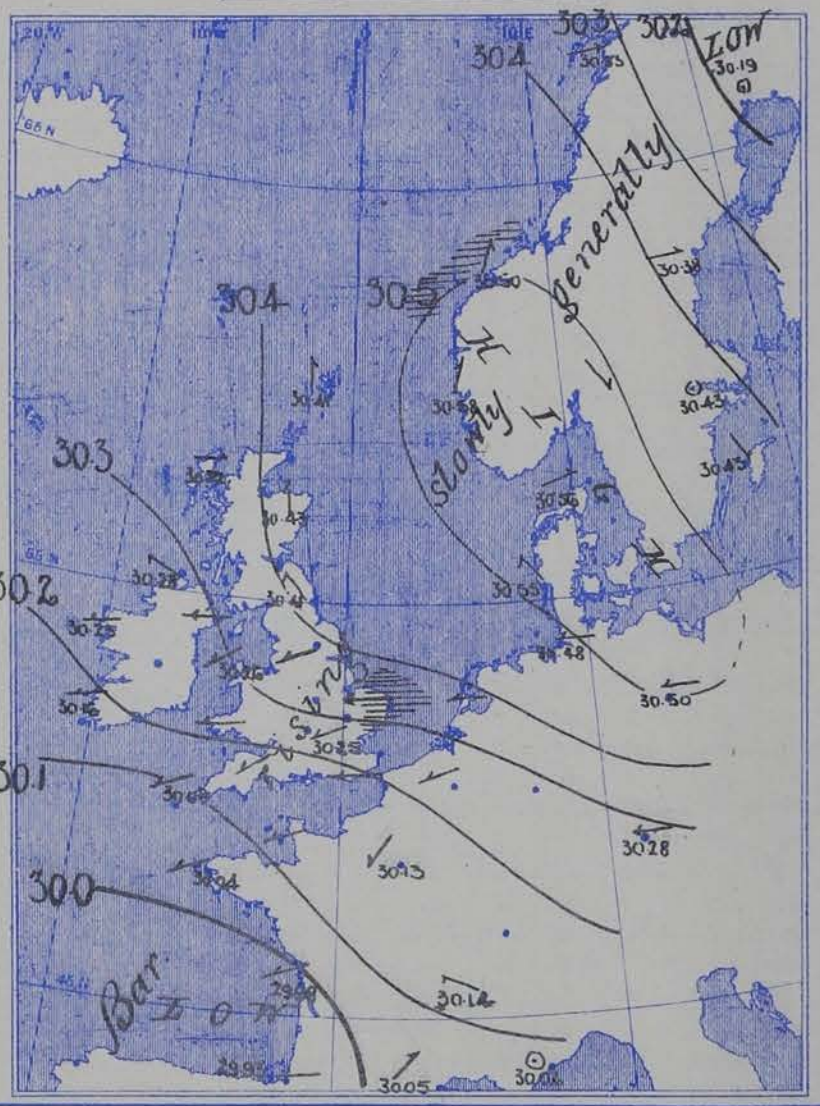
BAROMETER—Isobars are drawn for each tenth of an inch.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 · 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92. 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 ins: and upwards over Denmark, North Germany, and the southern parts of Scandinavia; 30·2 ins: and upwards in an anticyclone covering the greater part of Northwestern Europe

Lowest, 29·9 ins: and less, in a shallow depression over the Spanish Peninsula.

Gradients slight. Barometer rising a little in most places.

TEMPERATURE

Highest: (1) 60° at Lisbon, 55° at Nice, and 53° at Perpignan; (2) 54° at Rockenes & Lilly, and 53° at Valencia (Ireland) and Jersey.

Lowest: (1) 31° at Nairn and 36° at Wick; (2) 39° at Haparanda and 40° at Karlstad; (3) 40° at Brussels and Lyons.

Frost occurred last night in the north of Scotland, the sheltered thermometer at Nairn falling to a minimum of 28°.

WIND

E. over England, Ireland, the Netherlands, Germany, France, and the Spanish Peninsula, light or moderate in force generally, but fresh on the more exposed parts of our south and east coasts.

Light from the S. in the northeast of Scotland and from the SW. in the west of Norway: calm or NW. in Sweden.

WEATHER

Fair over Western Europe as a whole, but cloudy or dull in several parts of our Islands and also in the west of Norway. Fog reported in the neighbourhood of the Skager Rack.

Heavy rain has fallen at Lisbon and small amounts at Bodö and the Scaw, but over Western Europe as a whole the weather has remained very dry.

SEA

Moderate to smooth generally, but rather rough at Christiansund and Yarmouth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 25TH OCT: **1897.**

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH		6 SCOTLAND WEST	
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	NONE ISSUED.	8 ENGLAND S.W.	NONE ISSUED.
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	30·57	50	49	SSE.	2	o	2
Sumburgh Head	30·38	52	30	SE.	2	b	3
Stornoway	30·23	62	62	SSE.	2	c	2
Aberdeen	30·39	50	48	SSE.	3	cg	2
Shields	30·36	51	49	E.	3	o	2
Ardrossan	30·29	52	50	NE.	1	o	1
Malin Head ...	30·23	52	50	ESE.	5	c	2
Belmullet	30·19	53	49	SSE.	2	bc	*
Holyhead	30·25	55	50	SW	1	bc	1
Valencia	30·13	56	52	ESE.	2	om	3
Scilly	30·11	55	53	ENE.	5	o	2
Jersey	30·07	54	51	ESE.	4	o	3
Hurst Castle ...	30·14	56	52	NE.	4	bcm	2
Dungeness ...	30·11	56	53	ENE.	6	b	5
North Foreland	30·20	55	53	NE.	6	b	5
London (Westminster)	30·20	56	52	ENE.	3	c	*
Yarmouth ...	30·27	50	48	E.	5	c	4
Rochefort ...	29·96	64	58	ENE.	3	b	*

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

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with mist or fog in several places; rain falling at Turin, Turin, and Cagliari, as well as at Berlin, St Petersburg and Kiew. Fine in Sweden and Finland, as well as in Austria and the northern and central parts of Spain. Sky clearing later in many parts of France and the east of England, but heavy rain falling at Lisbon.

Temperature changed very irregularly in our Islands, but falling at most of the Continental stations. Morning readings highest 72° at Malta, 70° at Sfax, 66° at Palermo, and 65° at San Fernando; above 60° at several of the Mediterranean stations. Lowest (1) 34° at Ukeaborg and Kuopio and 36° at Archangel and Helsingfors; (2) 35° at Nairn and 41° at Stornoway. Daily maxima below 55° over our Islands generally (excepting in the extreme south) but thermometer reaching 59° at Belmullet and 62° at Stornoway; exceeding 65° in the south of France, and touching 68° at Lisbon. Fog occurring in the north of Scotland at night.

Wind E.[3] or NE.[3] over England, Ireland, the Netherlands, Germany, France, Spain, and northern Italy; light or moderate in force generally, but strong on some of the more exposed parts of the English and Irish coasts. Light from the S.[3] in the northeast of Scotland, SW.[3] over the northern parts of Scandinavia; N.[3] or NW.[3] over Russia and the Baltic; variable over Austria and Southern Italy. No important change occurring over Western Europe during day.

Barometer highest 30·60 ins: at Skagen; 30·2 ins: and upwards in an anticyclone covering the whole of northern and central Europe, and extending southwards over the greater part of our Islands. Lowest 29·9 ins: and less, in three small shallow depressions,—one lying over the northwest of Spain, another off the south of France, and the third near Malta. Anticyclone drifting gradually northwards during day, and barometer falling 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, 25th October, 1897.

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 ...	30·16	40	SW	0	0	30·04	-·15	44	40	+ 4	NW	2	c	#	0	#	52	39	-
	Hernösand ...	30·43	42	SW	0	b	30·38	·00	46	42	+ 7	W	2	b	#	b	#	?	37	-
	Stockholm ...	30·45	45	SW	0	b	30·48	+·05	39	39	- 4	W	2	f	#	b	#	52	39	-
	Wisby	30·49	47	NNW	4	b	30·48	+·05	44	44	- 3	NNW	4	f	#	b	#	48	41	-
	Karlstad ...	30·52	53	SW	0	f	30·53	+·02	38	37	- 2	NW	2	f	#	f	#	#	#	-
	Bodö	30·32	48	WSW	8	0	30·21	-·12	46	45	- 3	WSW	7	o	4	o	#	49	46	0·04
	Christiansund ...	30·56	49	SSW	1	f	30·54	+·04	48	47	0	SW	2	r	3	f	#	50	48	0·04
	Skudesnaes ...	30·58	47	SW	0	0	30·55	-·03	43	?	- 4	SW	0	o	1	o	#	50	45	#
	Færder (Christiania Fjord)	30·54	43	SW	0	f	30·55	+·03	38	38	- 4	W	1	f	1	f	#	43	37	-
	Skagen (The Scaw)	30·56	47	W	1	f	30·56	·00	47	47	+ 1	W	1	f	0	f	#	48	45	-
	Fanö	30·57	46	ESE	1	0	30·56	+·01	42	42	- 5	ESE	1	m	#	o	#	50	43	-
	Sumburgh Head	30·43	49	S	1	0	30·39	-·02	49	46	0	S	2	o	4	o	#	50	47	-
	Stornoway ...	30·30	49	SW	0	b	30·26	-·06	35	35	- 13	W	2	o	2	b	6.7	59	33	0·01
	Wick	30·41	52	W	3	bc	30·33	-·07	49	48	+ 13	S	4	b	2	bc	#	55	?36	-
	Nairn	30·38	40	SW	0	f	30·32	-·07	32	31	+ 1	SW	0	f	1	f	#	52	28	-
	Aberdeen ...	30·43	50	SSE	3	og	30·40	-·03	49	46	- 1	SSE	3	og	4	og	0·0	51	49	-
British Islands.	Leith	30·36	50	E	2	c	30·33	-·05	45	44	- 3	E	1	bm	#	e	#	51	40	-
	Shields	30·38	50	ESE	3	o	30·36	-·05	51	48	+ 1	ESE	2	o	3	o	#	52	49	-
	Spurn Head ...	30·33	49	E	4	o	30·29	-·04	51	50	+ 1	ESE	4	cg	4	og	#	51	48	-
	York	30·35	50	NE	2	o	30·33	-·04	50	47	- 1	ENE	1	c	#	o	0·0	52	46	-
	Loughborough ...	30·31	49	NE	3	o	30·29	-·03	47	47	- 3	ENE	2	of	#	om.c.gm	#	50	46	-
	Ardrossan ...	30·31	49	NNE	3	bm	30·27	-·08	44	43	0	NNE	3	bfw	2	bm	#	55	41	-
	Malin Head ...	30·25	50	ESE	3	bcm	30·20	-·08	47	46	- 2	SSW	3	ogm	2	bcm	#	51	45	-
	Belmullet ...	30·20	50	ESE	1	o	30·14	-·11	48	47	+ 4	E	1	o	#	o	#	55	?44	-
	Donaghadee ...	30·27	53	E	4	c	30·26	-·06	50	48	0	ESE	4	bc	2	c	#	54	48	-
	Liverpool (Bidston)	30·29	46	E	2	b	30·26	-·05	48	44	+ 2	E	2	m	?	gm.b	#	53	42	-
	Holyhead ...	30·21	50	ENE	4	b	30·20	-·06	48	46	0	ENE	2	bm	1	b	#	55	44	-
	Parsonstown ...	30·19	50	SW	0	b	30·15	-·09	48	46	0	SW	0	o	#	b	5·4	58	38	-
	Valencia ...	30·12	53	E	3	om	30·03	-·13	55	51	+ 2	E	5	bcm	3	om	0·0	55	52	-
	Roche's Point ..	30·15	55	ESE	5	om	30·11	-·09	55	53	+ 1	ESE	5	om	3	om	#	56	52	-
	Pembroke (St. Ann's Hd.)	30·17	51	ESE	4	b	30·14	-·06	51	49	+ 3	ESE	4	og	3	b	8·0	56	47	-
	Scilly	30·03	55	ENE	5	o	30·02	-·06	55	53	+ 1	E	4	c	2	o	0·0	57	52	-
	Prawle Point ...	30·11	51	ENE	6	o	30·09	-·04	52	52	+ 1	ENE	5	o	4	o	#	54	50	-
	Jersey (St. Aubin's)	30·08	56	ENE	4	bm	30·10	·00	54	52	+ 1	E	3	bmw	3	b.bm	#	60	49	-
	Hurst Castle ...	30·16	53	ENE	4	cm	30·17	-·01	50	48	0	NE	3	bm	2	cm	#	57	46	-
	Dungeness ...	30·19	53	E	4	c	30·22	+·02	51	47	+ 1	SE	3	b.	3	bc.c	#	54	48	-
	North Foreland	30·23	54	E	4	b	30·25	+·01	52	50	+ 2	E	4	bm	3	bc.b	#	54	49	-
	London (Brixton) ...	30·22	52	E	3	bc	30·23	-·02	43	42	- 7	NE	1	f	#	o.bc.bfw	1·0	56	38	-
	Oxford	30·24	48	ENE	2	o	30·25	-·01	43	43	- 6	NE	3	og	#	o.c	#	55	43	-
	Cambridge ...	30·28	49	ENE	1	o	30·28	-·01	39	39	- 10	NNE	1	f	#	bc.o	4·6	55	36	-
	Yarmouth ...	30·27	51	E	5	bc	30·26	-·02	50	48	0	ESE	4	bcw	5	bc	#	52	46	-
Germany & Holland.	Cuxhaven ...	30·50	45	E	4	o	30·51	+·03	43	43	- 3	E	3	o	#	o	#	46	43	-
	Berlin	30·52	46	SW	2	b	30·53	+·03	41	41	- 2	E	2	f	#	b	#	52	39	-
	Wiesbaden ...	#	#	#	#	#	30·39		45	41		E	2	b	#	#	#	55	41	-
	Munich	30·36	39	NE	4	b	30·38	+·10	39	37	- 2	E	5	b	#	b	#	48	34	-
	The Helder ...	30·36	48	ESE	3	b	30·39	+·03	44	42	0	ESE	2	b	2	b	#	50	43	-
France & Belgium.	Brussels ...	#	#	#	#	#	30·30	+·04	40	38	0	NE	1	b	#	b	#	55	35	-
	Cape Gris Nez...	30·18	47	E	2	m	30·19	+·02	41	39	+ 1	SE	3	m	2	m	#	55	37	-
	Paris	30·17	48	ENE	1	b	30·21	+·08	36	36	- 5	ENE	1	b	#	b	#	58	36	-
	Brest	29·99	55	ENE	1	b	30·01	-·03	48	46	- 4	ENE	2	b	2	b	#	63	41	-
	Lorient... ...	30·02	58	E	3	bc	30·02	-·01	49	49	- 3	ENE	4	c	2	bc	#	64	45	-
	Rochefort ...	29·96	56	E	3	b	29·96	-·02	50	48	+ 5	E	3	e	#	b	#	70	43	-
	Belfort	30·20	44	E	3	b	30·28	+·12	40	39	- 3	E	2	m	#	b	#	52	38	-
	Lyons														#		#			
	Nice	30·08	58	E	1	b	30·20	+·18	51	44	- 4	E	3	b	1	b	#	61	48	-
	Perpignan ...	30·06	57	SE	2	b	30·17	+·12	53	49	+ 7	S	2	o	#	b	#	67	46	-
	Biarritz ...	29·89	64	E	3	b	29·93	·00	56	54	+ 3	W	0	o	2	b	#	68	52	0·12
Peninsula.	Corunna ...																#			
	Lisbon	29·84	63	N	3	b	29·98	+·17	58	58	- 2	NNE	3	f	#	b	#	68	57	0·08
	Azores (P. Delgada)	29·50	68	SSW	8	o	29·09	-·74	61	59	- 3	N	4	o	4	o	#	68	61	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 4·8 hrs;

WEATHER CHARTS

FOR Monday, 25th October, 1897.

BAROMETER, WIND AND SEA.

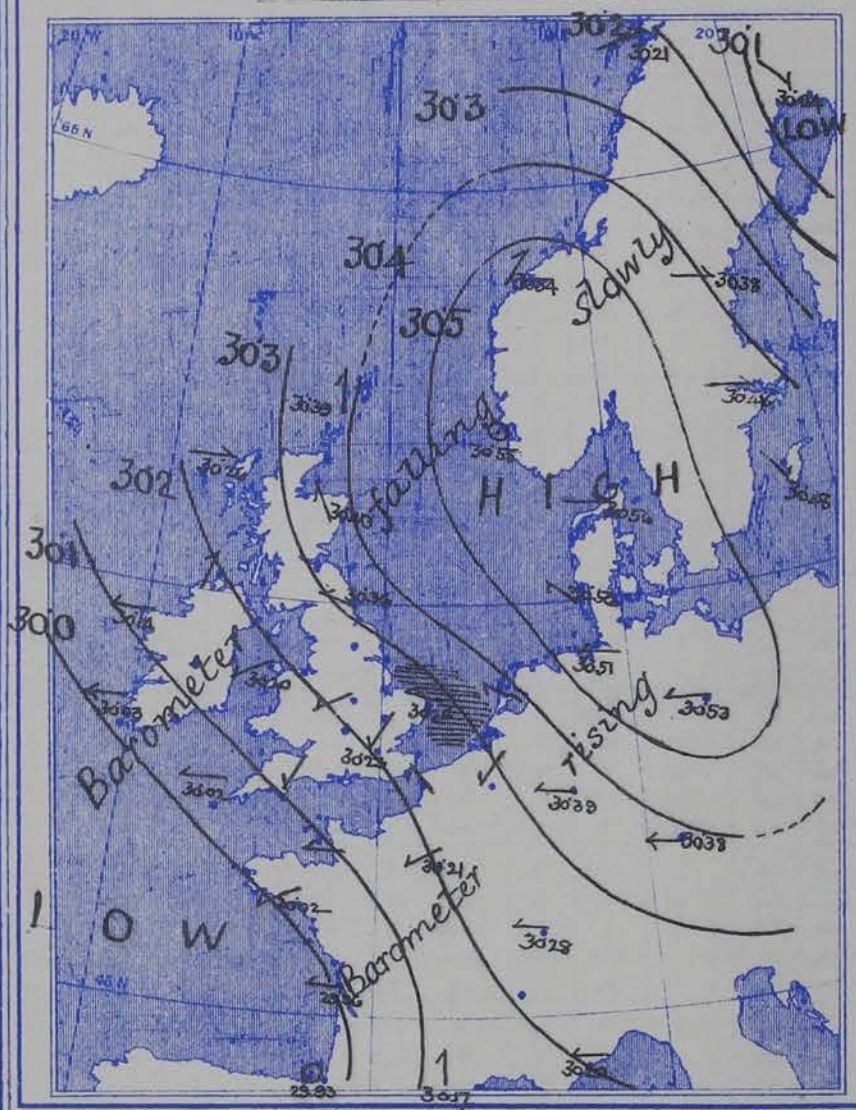
BAROMETER—Isobars are drawn for each tenth of an inch.

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 OCTOBER.*

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·5 in: and upwards over Denmark, North Germany, and the southern parts of Scandinavia; 30·1 in: and upwards, in an anticyclone covering the greater part of Northwestern Europe.

Lowest, 30·0 in: and less, in a large shallow area lying to the southwestward of our Islands and extending over the Bay of Biscay, the southwest of France and the Spanish Peninsula.

Gradients slight generally, but moderate over the northern parts of Scandinavia.

Barometer falling a little in most parts of our Islands, as well as in Denmark and the north of Scandinavia; inclined to rise in most other localities.

TEMPERATURE

Highest, 58° at Lisbon, 56° at Biarritz, 55° at Valencia (Ireland), Rockpoint and Scilly, 54° at Jersey, and 53° at Perpignan.

Lowest, (1) 32° at Navin and 35° at Limerick; (2) 36° at Paris and 39° at Arundel; (3) 39° at Cambridge.

The maxima registered over our Islands yesterday were below 60° at all stations excepting Jersey and below 55° in most parts of northern, eastern and central districts.

WIND

E^ly over England, Ireland, France, Germany, and the Netherlands; light to moderate in force generally, but fresh in the south of Ireland.

S^ly in the northeast of Scotland; W^ly in Scandinavia, with a moderate gale at Bodö.

WEATHER

Fair over Western Europe as a whole, but with fog or mist in many places.

Dull on our extreme northwestern and northern coasts, as well as in the west of Norway, with rain at Christiansund.

A little rain fell yesterday in the west of Norway and also at Biarritz, but over Western Europe generally the weather remained very dry.

A solar halo was seen at Jersey.

SEA

Moderate to smooth generally, but rather rough at Yarmouth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather, but cold night fogs are again probable at many inland stations.

FORECASTS

For the 24 hours ending at NOON on 26th Oct^r 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	S^ly and SE^ly winds, light; fair generally, but local fogs.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No 5.
5 ENGLAND SOUTH	E^ly winds, light or moderate; fair generally. Cold at night, with local fogs.
6 SCOTLAND WEST 7 ENGLAND N.W.	E^ly winds, light; fair generally, but local fogs.
8 ENGLAND S.W.	E^ly winds, moderate or fresh; fair generally.
9 IRELAND NORTH 10 IRELAND SOUTH	E^ly and SE^ly winds, moderate or fresh; 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 ...	30·60	50	49	S	2	0	2
Sumburgh Head							
Stornoway	30·32	59	59	ESE	1	6	1
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·26	51	50	ESE	4	6c	2
Belmullet	30·23	51	49	ESE	1	0	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	30·08	60	55	E	4	6	3
Hurst Castle ...							
Dungeness ...	30·17	54	50	ENE	4	6c	3
North Foreland	30·23	53	51	E	5	6c	4
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.96	68	61	E	2	6	*

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 17TH TO THE 23RD OCTR 1897.

At the commencement of last week, when a large anticyclone lay over central and southern Europe, the weather in the north-western countries was influenced by a deep depression, the centre of which travelled northwards outside the Irish and Scotch coasts. S. winds were therefore general, and in all the more western and northern parts of our Islands they blew with the force of a gale, rain spreading gradually from the westward over nearly the whole of our area. Temperature was high for the time of year, especially on the 17th, when the thermometer rose to 65° and upwards in many parts of Great Britain, and to 68° in London and at Cambridge.

As the depression passed away to the northward, however, the Continental anticyclone spread westwards over the whole Kingdom, the change being accompanied by a shift of wind to the E. or NE. in all our more southern districts, and by finer cooler weather. In many parts of Great Britain cold night fogs were experienced with ground frosts in a few isolated places. After the 21st the anticyclone began to drift away to the northeastward, while a complex low pressure system which had appeared over Southern Europe and the Mediterranean spread slowly northwards. A decided increase in the strength of the E. and NE. winds now took place on our southern coasts, and the fogs entirely disappeared, the readings of the thermometer being higher at night, but lower in the daytime than those experienced about the middle of the week. At the close of the period the anticyclone continued to pass away towards northern and central Europe, but the southern low-pressure area appeared to be decreasing in intensity.

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.
,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 26th October, 1897.

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 ...	30·08	44	NW	6	o	30·18	+ ·14	40	36	− 4	NW	2	b	#	o	#	52	39	—
	Hernösand ...	30·37	46	NW	4	b	30·42	+ ·04	47	42	+ 1	WNW	4	bc	#	b	#	54	41	—
	Stockholm ...	30·48	40	W	2	f	30·53	+ ·05	39	39	0	W	2	f	#	f	#	46	39	—
	Wisby	30·49	44	NNW	4	b	30·53	+ ·05	43	43	— 1	N	4	o	#	b	#	45	41	—
	Karlstad ...	30·52	42	7	o	f	30·57	+ ·04	33	32	— 5	7	o	f	#	f	#	#	#	—
	Bodö	30·22	48	SW	6	o	30·34	+ ·13	48	46	+ 2	W	6	o	3	o	#	48	45	0·08
	Christiansund ...	30·52	48	WSW	1	f	30·53	− ·01	48	44	0	SSW	1	o	3	f	#	50	46	—
	Skudesnaes ...	30·50	44	E	2	o	30·51	— ·04	45	43	+ 2	ENE	2	b	1	o	#	47	39	#
	Færder (Christiania Fjord)	30·51	41	7	o	f	30·56	+ ·01	35	35	— 3	N	2	f	1	f	#	41	36	—
	Skagen (The Scaw)	30·53	46	W	1	f	30·55	— ·01	47	46	0	W	1	o	0	f	#	48	45	—
	Fanö	30·52	41	ESE	1	mr	30·52	— ·04	40	40	— 2	E	2	b	#	mr	#	46	39	—
	Sumburgh Head	30·35	48	S	2	o	30·30	— ·09	50	49	+ 1	SE	3	c	4	o	#	50	46	—
	Stornoway ...	30·19	45	7	o	o	30·17	— ·09	36	36	# 1	N	2	f	2	b.o	7·0	57	33	0·01
	Wick	30·27	49	S	5	b	30·23	— ·10	50	49	+ 1	S	5	b	3	b	#	52	47	—
	Nairn	30·24	37	7	o	b	30·23	— ·09	32	32	o	7	o	f	1	b	#	47	27	—
	Aberdeen ...	30·32	50	SSE	3	og	30·28	— ·12	51	49	+ 2	SSE	2	cmr	3	og	0·0	51	48	—
	Leith	30·27	48	E	1	o	30·27	— ·06	36	36	— 9	7	o	f	#	o	#	54	34	—
	Shields	30·27	51	7	o	bc	30·31	— ·05	41	41	— 10	S	1	f	2	o.bc	#	52	38	—
	Spurn Head ...	30·23	52	ESE	4	b	30·31	+ ·02	46	46	— 5	SSE	2	f	3	b.bw	#	54	44	—
	York	30·24	50	ENE	1	b	30·32	— ·01	36	36	— 14	7	o	f	#	c.b	2·5	55	32	—
	Loughborough ...	30·24	43	ENE	1	b	30·32	+ ·03	41	41	— 6	ESE	1	cmp	#	cm.bf.o	#	53	31	0·01
British Islands.	Ardrossan ...	30·20	47	NNE	3	bf	30·24	— ·03	44	43	0	NNE	3	cfw	2	bf	#	53	40	—
	Malin Head ...	30·14	48	ESE	5	cmr	30·13	— ·07	47	47	0	ESE	4	bmr	2	cm	#	51	46	—
	Belmullet ...	30·07	53	ESE	1	o	30·06	— ·08	52	50	+ 4	SSW	3	o	#	b.o	#	57	47	—
	Donaghadee ...	30·18	52	SE	4	c	30·22	— ·04	52	51	+ 2	SE	4	c	2	c	#	52	49	—
	Liverpool (Bidston)	30·21	47	ESE	2	bc	30·25	— ·01	46	44	— 2	ESE	3	b	?	bc	#	52	45	—
	Holyhead ...	30·13	50	ENE	1	bc	30·21	+ ·01	45	44	— 3	E	1	bf	0	b.bc	#	55	44	—
	Parsonstown ...	30·10	52	SE	1	o	30·12	— ·03	53	51	+ 5	SE	1	o	#	o	0·0	53	47	—
	Valencia ...	30·00	55	E	4	bc	30·01	— ·02	58	55	+ 3	SE	5	c	5	bcm.bc	8·0	59	54	—
	Roche's Point ..	30·06	55	ESE	5	o	30·12	+ ·01	56	54	+ 1	SE	5	cm	4	o	#	56	54	—
	Pembroke (St. Ann's Hd.)	30·10	54	ESE	5	b	30·19	+ ·05	55	54	+ 4	SE	5	og	4	b	3·7	55	50	—
	Scilly	30·00	56	ESE	4	o	30·13	+ ·11	57	57	+ 2	ESE	4	cm	2	c.o	4·3	60	53	0·01
	Prawle Point ...	30·10	55	ENE	4	c	30·23	+ ·14	58	57	+ 6	ESE	3	bc	2	c	#	58	52	—
	Jersey (St. Aubin's)	30·11	58	ESE	3	ogm	30·25	+ ·15	58	56	+ 4	SE	3	b	3	ogm.r	#	61	53	0·01
	Hurst Castle ...	30·15	54	ENE	3	cmr	30·27	+ ·10	57	56	+ 7	ESE	2	cm	2	cm	#	58	49	0·01
	Dungeness ...	30·18	54	E	3	b	30·31	+ ·09	55	53	+ 4	SE	2	cw	2	b	#	56	51	—
	North Foreland	30·24	53	E	3	b	30·34	+ ·09	54	53	+ 2	SE	3	b	2	b	#	54	50	0·01
	London (Brixton) ...	30·20	48	ESE	2	om	30·31	+ ·08	48	48	+ 5	SE	1	orf	#	bc.b.o	4·0	58	41	0·11
	Oxford	30·21	47	E	1	o	30·30	+ ·05	47	46	+ 4	7	o	opf	#	c.o.p	#	55	43	0·10
	Cambridge ...	30·24	45	ESE	1	b	30·33	+ ·05	42	42	+ 3	ESE	1	bcmr	#	b	6·1	56	34	—
	Yarmouth ...	30·23	53	ESE	4	bc	30·32	+ ·06	50	49	0	SE	2	b	3	b.bc.fw	#	54	48	—
Germany & Holland.	Cuxhaven ...	30·48	45	E	3	o	30·51	·00	41	41	— 2	SE	2	f	#	o.f	#	46	39	—
	Berlin	30·51	44	E	1	f	30·54	+ ·01	42	42	+ 1	SW	1	f	#	f	#	46	41	—
	Wiesbaden ...	*	*	*	*	*	30·46	+ ·07	44	42	— 1	NE	1	fb	#	*	#	61	43	—
	Munich	30·39	41	NE	4	b	30·45	+ ·07	35	35	— 4	E	2	b	#	b	#	54	32	—
	The Helder ...	30·32	51	ESE	3	b	30·39	·00	47	45	+ 3	SE	1	b	1	b	#	54	44	—
Belgium.	Brussels ...	*	*	*	*	*	30·39	+ ·09	46	42	+ 6	SE	2	b	#	b	#	61	40	—
	Cape Gris Nez ...	30·19	48	SE	2	m	30·27	+ ·08	50	46	+ 9	SE	1	m	1	m	#	55	37	—
	Paris	30·21	49	ENE	1	b	30·34	+ ·13	36	36	0	SE	1	m	#	b	#	62	36	—
	Brest	30·02	66	SSE	3	o	30·15	+ ·14	55	54	+ 7	SE	2	o	1	o	#	61	45	—
	Lorient ...	30·08	58	SSE	3	c	30·18	+ ·16	53	52	+ 4	E	4	c	3	c	#	64	45	—
France &	Rochefort ...	30·09	59	SSE	3	o	30·21	+ ·25	50	49	0	SE	3	c	#	o	#	63	48	—
	Belfort	30·29	44	NE	3	m	30·41	+ ·13	37	37	— 3	7	o	m	#	m	#	58	34	—
	Lyons	30·28	52	NW	1	b	30·39		42	42		E	1	b	#	b	#	60	41	—
	Nice	30·24	58	7	o	b	30·35	+ ·15	49	48	— 2	E	1	b	3	b	#	58	48	—
	Perpignan ...	30·23	55	S	2	b	30·33	+ ·16	47	47	— 6	SW	1	b	#	b	#	61	45	—
	Biarritz ...	30·03	61	ESE	3	b	30·15	+ ·22	56	52	0	SE	3	bc	1	b	#	72	52	—
Penin-sula.	Corunna ...																#			
	Lisbon	30·05	63	WNW	1	b	30·09	+ ·11	61	61	+ 3	E	3	f	#	b	#	68	59	—
	Azores (P. Delgada)	29·73	57	NNW	4	b	29·88	+ ·39	59	53	— 2	W	4	c	4	b	#	68	54	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 4·2 hrs;

WEATHER CHARTS

FOR Tuesday, 26th October, 1897.

BAROMETER, WIND AND SEA.

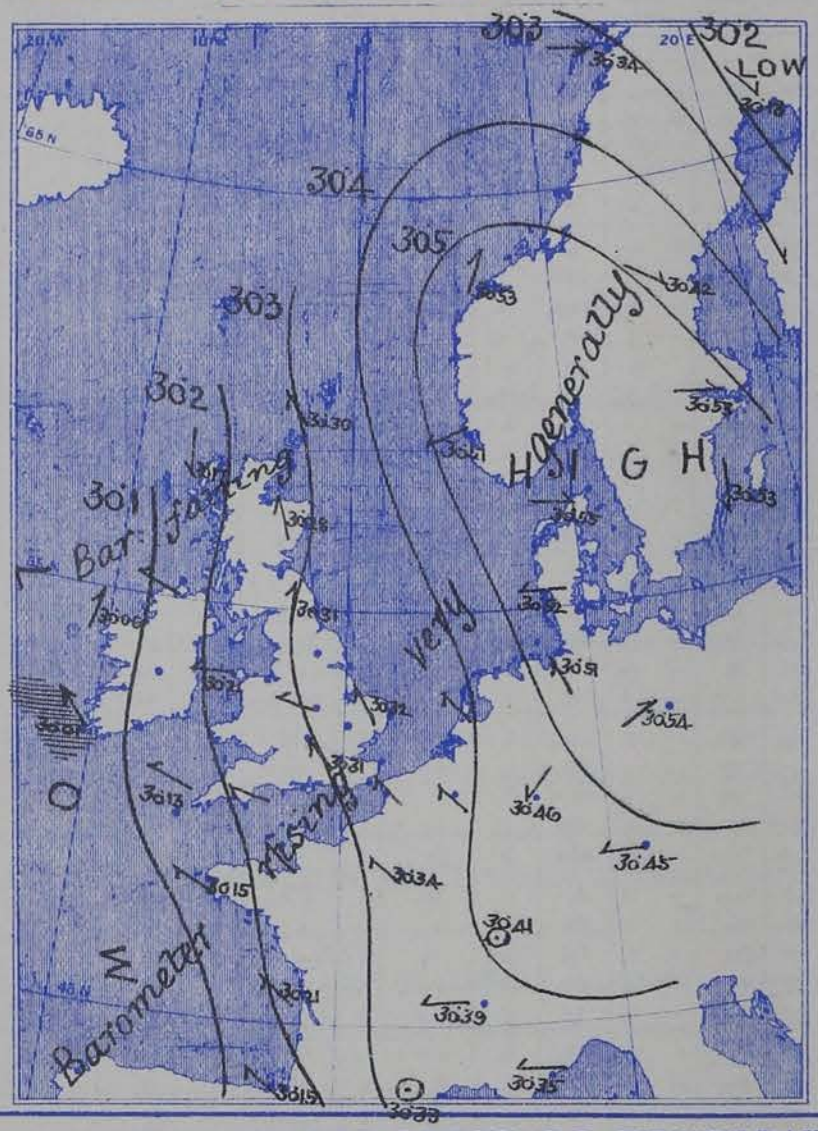
BAROMETER—Isobars are drawn for each tenth of an inch.

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

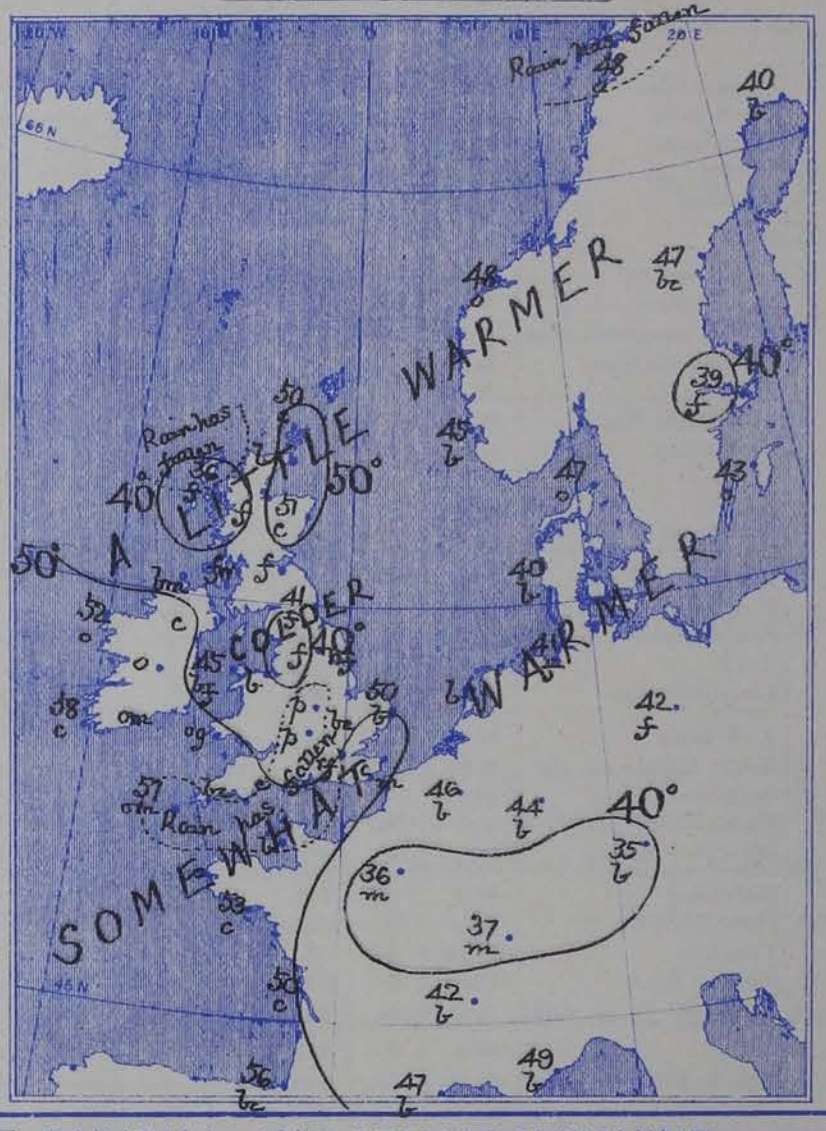


TEMPERATURE & WEATHER.

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 OCTOBER.

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92. 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77. 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.5 ins. and more over Germany, Denmark and the S^th. half of Scandinavia.
Lowest 30.0 ins. off the southwest coast of Ireland.
Gradients slight and irregular, but mainly favourable for SE^ly. winds over our Islands.
Barometer falling at our most northern stations, rising over Ireland, England and France.

TEMPERATURE

Highest 58° at Valencia (Ireland), 58° to 55° over the greater part of the English Channel, 51° at Aberdeen.
Lowest 32° at Nairn, 36° at Leith and York, 33° at Karlstad.
It touched 60° at Scilly, and 61° at Jersey yesterday; but has been as low as 27° in the shade at Nairn, 31° at Loughborough, 32° at York, and 41° in London during the night. Frost on the grass was very sharp over our N^rn. inland districts.

WIND

SE^ly. over France, Ireland and England, and light to moderate in force; very variable and light at the Scotch stations, and on the eastern shores of the North Sea. Over the Baltic it was NW^ly.

WEATHER

Varied greatly; at many of the Continental stations, and in some parts of our islands it was fine and bright; at many of our other stations, however, it was very foggy or misty and over the southern parts of central England rain was falling.
In London and at Bexford the fall amounted to 0.1 in. Bright Sunshine yesterday amounted to 8.5 hrs at Hastings, 8 hrs. at Valencia (Ireland), 7 hrs. at Stornoway, 6 hrs. at Cambridge and 4 hrs. in London.

SEA

Rather rough on our extreme SW^rn. coasts, smooth in the Irish Sea & the Straits of Dover.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Mild quiet but changeable weather is probable.

FORECASTS

For the 24 hours ending at NOON on 27^TH. OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light and variable winds – mainly SE^ly. fair and mild, unsettled later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SE^ly. airs and calms, mild, damp and misty; fine later, but not settled.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S^ly. winds, light, dull, misty.
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 ...	30·56	47	46	E	2	o	1
Sumburgh Head	30·35	49	48	S	3	o	4
Stornoway	30·21	56	54	SSE	1	b	1
Aberdeen	30·35	49	46	SSE	3	og	4
Shields	30·31	51	48	ESE	2	o	3
Ardrossan	30·21	52	50	NNE	3	bf	2
Malin Head ...	30·15	51	49	ESE	4	c	2
Belmullet	30·09	57	52	SSE	2	b	*
Holyhead	30·14	55	51	ENE	1	b	1
Valencia	30·01	59	54	ESE	4	bcm	4
Scilly	30·02	59	57	E	4	cm	2
Jersey	30·08	60	56	ENE	3	c	3
Hurst Castle ...	30·14	55	53	ENE	4	cm	3
Dungeness ...	30·18	55	50	E	2	b	1
North Foreland	30·22	53	50	E	4	b	3
London (Westminster)	30·18	56	50	ENE	3	be	*
Yarmouth ...	30·24	53	49	ESE	4	b	4
Rochefort ...	30·04	62	58	SSE	3	o	*

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

Weather in morning fair and quiet generally – clear and bright over France and S.E.m Europe, but very foggy over N.m Europe and over several parts of Gt. Britain; dull over the S.m and W.m parts of the Mediterranean. Fine over our islands all day, but rain falling later over the S.m half of our Midland counties, and a slight further fall in the Azores.

Temperature changing very fitfully – especially over Scotland. Morning readings highest 68° to 60° on the S.m and W.m sides of the Mediterranean, 58° at Lisbon, 55° at Valencia (Ireland), 52° at the N. Foreland, 51° at Shields, 49° at Wick. Lowest (1) 32° at Nairn, 35° at Stornoway, 38° at Karlstad; (2) 33° at Archangel, 38° at St.t Petersburg; (3) 31° at Kharkov, 36° at Kiev. Rising decidedly over France later, changing very irregularly over our Islands, but finally rising in the S.

Wind (1) E.ly to S.E.ly over France and the British Islands, and blowing very freshly at the southwestern and western stations – lightly elsewhere; (2) nearly calm over the eastern side of the North Sea, N. Germany, Denmark and the S. of Norway; (3) N.W.ly over Finland and the Baltic. Moderating over our Islands later.

Barometer highest 30.5 ins. and more to 30.3 ins. in a large anticyclone covering the greater part of N.W.m and central Europe. Lowest (1) Below 30.1 ins. over Lapland and the N. of Finland; (2) below 30.0 ins. over the Bay of Biscay and much lower over the Azores; (3) below 30.0 ins. at Malta. Falling a little over our 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. [illegible]ing 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 Wednesday, 27th October, 1897.

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 ...	30·28	38	SW	0	b	30·25	+·07	39	36	− 1	SW	0	b	#	b	#	48	36	
	Hernösand ...	30·49	42	SW	0	b	30·46	+·04	34	33	− 13	N	2	b	#	b	#	54	?	-
	Stockholm ...	30·56	39	W	2	f	30·54	+·01	36	36	− 3	W	2	f	#	f	#	43	36	-
	Wisby	30·59	43	NNW	4	f	30·56	+·03	41	40	− 2	NNW	4	f	#	f	#	?	39	-
	Karlstad ...	30·59	34	SW	0	f	30·58	+·01	33	32	0	NNW	2	f	#	f	#	#	#	-
	Bodö	30·37	47	SW	4	f	30·38	+·04	45	45	− 3	W	4	o	3	r	#	48	43	0·12
	Christiansund ...	30·50	45	SE	1	b	30·45	−·08	47	46	− 1	SW	0	c	2	b	#	48	43	-
	Skudesnaes ...	30·52	50	E	2	b	30·52	+·01	47	46	+ 2	SE	2	m	2	bc.b	#	?	39	#
	Færder (Christiania Fjord)	30·60	37	SW	0	f	30·58	+·02	38	38	+ 3	N	1	f	0	f	#	38	35	-
	Skagen (The Scaw)	30·60	45	WSW	1	o	30·59	+·04	45	45	− 2	S	1	f	0	o	#	48	43	-
	Fanö	30·58	42	ESE	2	b	30·57	+·05	44	41	+ 4	SE	2	b	#	b	#	55	40	-
BRITISH ISLANDS.	Sumburgh Head	30·29	50	SE	2	o	30·29	−·01	50	50	0	S	2	o	4	o	#	51	47	0·01
	Stornoway ...	30·20	45	SW	0	o	30·16	−·01	51	51	+ 15	S	3	b	3	b.o	6·3	57	36	-
	Wick	30·26	50	S	1	b	30·26	+·03	52	51	+ 2	S	2	b	1	b	#	55	41	-
	Nairn	30·25	40	SW	0	b	30·25	+·02	43	43	+ 11	SW	0	b	0	b	#	51	29	0·04
	Aberdeen ...	30·31	48	S	2	bmw	30·33	+·05	48	48	− 3	SSE	2	of	2	b.bmw	3·8	53	46	-
	Leith	30·31	46	SW	0	m	30·31	+·04	38	38	+ 2	SW	0	f	#	m	#	54	34	-
	Shields	30·36	51	SSW	2	bm	30·35	+·04	47	47	+ 6	SW	0	f	2	f.bm.f	#	57	40	-
	Spurn Head ...	30·36	52	SE	3	b	30·34	+·03	51	50	+ 5	SE	2	o	2	b.bw	#	55	46	0·01
	York	30·35	47	SW	0	bm	30·35	+·03	45	45	+ 9	SW	0	f	#	m	0·8	49	35	0·01
	Loughborough ...	30·35	51	ESE	1	bc	30·35	+·03	42	42	+ 1	SW	0	ofw	#	em.bcf	#	60	38	-
	Ardrossan ...	30·28	49	NNE	1	bf	30·23	−·01	48	47	+ 4	NE	3	bfw	2	bf	#	54	42	-
	Malin Head ...	30·14	52	SE	5	bm	30·09	−·04	52	52	+ 5	SE	5	bcm	3	cm.bm	#	55	46	-
	Belmullet ...	30·07	57	SSW	3	bc	29·99	−·07	56	54	+ 4	SW	5	o	#	b.bc	#	61	51	-
	Donaghadee ...	30·26	54	SSW	4	c	30·21	−·01	53	53	+ 1	SE	4	m	2	c	#	56	51	-
	Liverpool (Bidston)	30·31	51	ESE	2	b	30·27	+·02	47	46	+ 1	ESE	3	f	?	of.b	#	54	45	-
	Holyhead ...	30·25	54	SE	1	cm	30·21	·00	48	47	+ 3	E	1	bm	0	om.cm	#	58	44	-
	Parsonstown ...	30·14	56	SE	2	c	30·08	−·04	55	53	+ 2	SE	3	c	#	c	3·0	61	53	-
	Valencia ...	30·02	61	ESE	4	c	29·96	−·05	57	55	− 1	SE	6	gq†	5	ogm.c	2·1	62	57	0·12
	Roche's Point ..	30·14	57	SSE	5	o	30·10	−·02	56	54	0	SE	5	om	4	bo	#	58	55	-
	Pembroke (St. Ann's Hd.)	30·14	55	SE	2	c	30·19	·00	55	54	0	SE	5	bcmw	4	c	4·0	59	54	-
	Scilly	30·15	56	SE	4	om	30·10	−·03	57	55	0	SE	4	bw	2	om	0·0	59	54	-
	Prawle Point ...	30·26	56	ENE	2	b	30·23	·00	56	55	− 2	ESE	2	o	2	bc	#	61	55	-
	Jersey (St. Aubin's)	30·26	59	ESE	3	cg	30·26	+·01	58	54	0	SE	3	o	3	o,c.bw	#	61	51	-
	Hurst Castle ...	30·29	56	E	2	cm	30·27	·00	56	54	− 1	ENE	2	om	2	bm.cm	#	63	54	-
	Dungeness ...	30·33	55	E	1	bc	30·32	+·01	53	52	− 2	SE	2	o	1	bc	#	60	53	-
	North Foreland ...	30·36	56	SE	2	bc	30·35	+·01	53	51	− 1	SE	3	om	2	bc	#	58	50	0·02
	London (Brixton) ...	30·34	52	E	2	bm	30·32	+·01	48	47	0	SE	1	ogm	#	rf.cm.bf	0·0	57	44	0·06
	Oxford	30·34	49	SSE	1	b	30·32	+·02	42	42	− 5	SW	0	of	#	r.o.bf	#	60	40	-
	Cambridge ...	30·35	53	E	1	om	30·36	+·03	41	41	− 1	SW	0	f	#	c,om	1·3	58	37	0·01
	Yarmouth ...	30·35	53	SE	2	b	30·35	+·03	52	51	+ 2	ESE	2	bf	2	b.bw	#	55	46	-
GERMANY & HOLLAND.	Cuxhaven ...	30·53	46	SE	1	b	30·54	+·03	41	41	0	ESE	2	b	#	b	#	50	37	-
	Berlin	30·58	43	SW	0	f	30·62	+·08	42	41	0	SE	3	o	#	f	#	45	41	-
	Wiesbaden ...	#	#	#	#	#	30·47	+·01	39	38	− 5	E	1	b	#	#	#	59	39	-
	Munich	30·47	37	NE	2	b	30·50	+·05	31	31	− 4	E	1	f	#	b	#	50	30	-
	The Helder ...	30·42	51	ESE	1	b	30·43	+·04	48	46	+ 1	SE	1	b	1	b	#	54	46	-
BELGIUM.	Brussels ...	#	#	#	#	#	30·43	+·09	46	43	0	SE	2	b	#		#	58	43	-
	Cape Gris Nez ...	30·30	55	E	1	bc	30·28	+·01	50	45	0	SSE	2	m	2	bc	#	63	39	-
	Paris	30·35	51	E	1	b	30·36	+·02	35	35	− 1	NE	1	f	#	b	#	67	34	-
	Brest	30·23	59	SE	3	c	30·19	+·04	55	54	0	ESE	3	b	2	c	#	61	52	-
	Lorient	30·22	66	ESE	4	bc	30·22	+·04	45	44	− 8	ESE	2	c	2	bc	#	59	43	-
FRANCE &	Rochefort ...	30·19	61	SE	3	bc	30·20	−·01	50	48	0	SE	4	c	#	bc	#	75	48	-
	Belfort	30·43	46	NE	5	m	30·48	+·07	38	38	+ 1	NE	2	f	#	m	#	56	37	-
	Lyons	30·36	53	NNW	1	b	30·43	+·04	38	38	− 4	SE	1	b	#	b	#	62	36	-
	Nice	30·36	63	S	1	b	30·37	+·02	50	45	+ 1	SW	0	b	1	b	#	64	48	-
	Perpignan ...	30·33	53	SW	0	b	30·38	+·05	44	35	− 3	W	1	b	#	b	#	65	42	-
	Biarritz ...	30·14	66	SE	3	b	30·13	−·02	66	56	+ 10	S	4	b	1	b	#	75	56	-
PENINSULA.	Corunna ...																#			
	Lisbon	30·14	65	S	3	b	30·20	+·11	63	62	+ 2	E	3	r	#	b	#	70	61	0·04
	Azores (P. Delgada)	29·96	65	SW	5	o	29·93	+·05	67	63	+ 8	SSW	6	c	6	o	#	68	59	0·16

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;

WEATHER CHARTS

FOR Wednesday, 27TH October, 1897.

BAROMETER, WIND AND SEA.

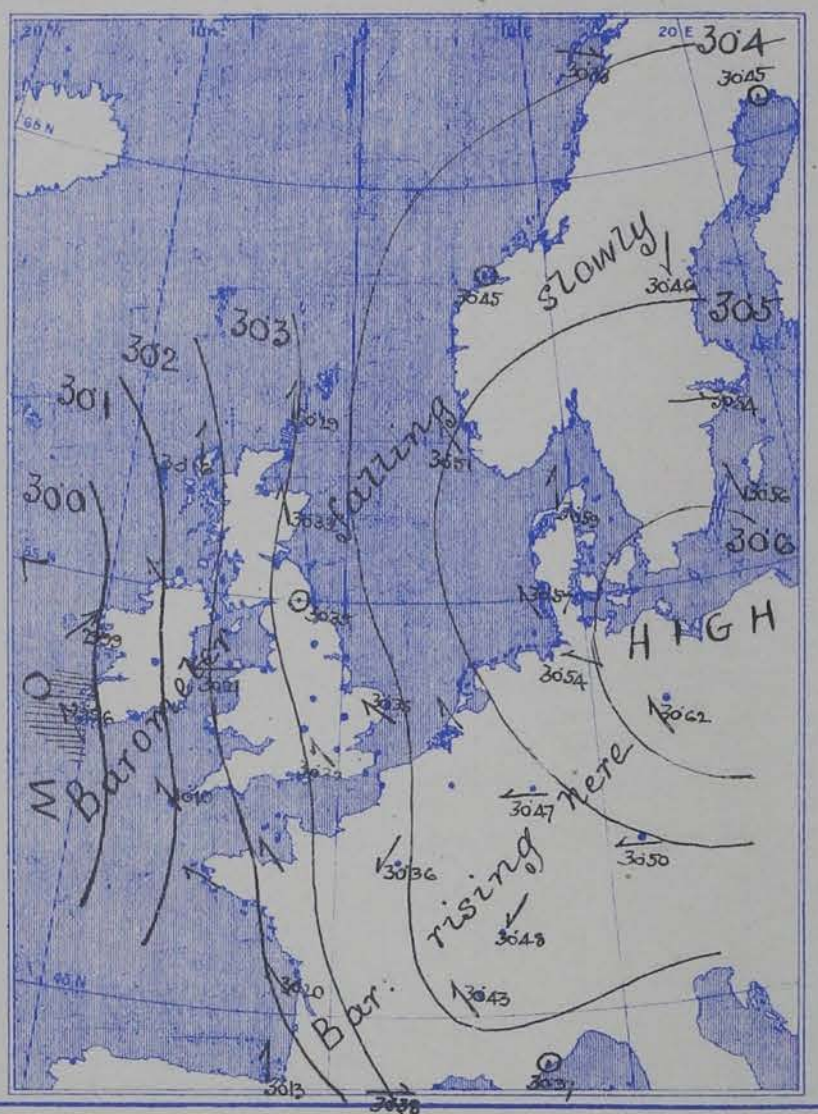
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

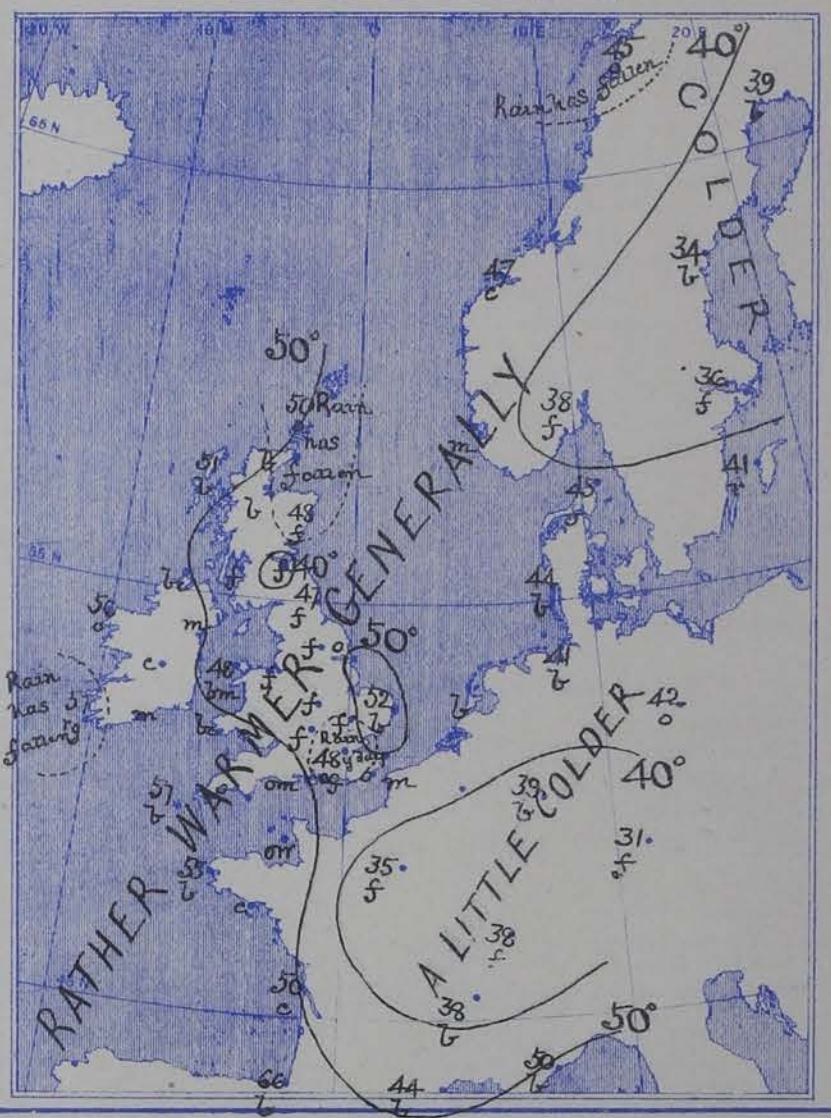


TEMPERATURE & WEATHER.

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 OCTOBER.*

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	56 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·6 ins: and more to 30·3 ins: in a large anticyclone covering the greater part of Continental Europe.
Lowest, Below 30·0 ins: over the west of Ireland and the adjacent parts of the Atlantic.
Gradients slight in the east, moderate in the west, but inclined to increase in the last named regions.
Barometer falling over our Islands – most in the west – but not quickly anywhere

TEMPERATURE

Highest, 66° at Biarritz, 58° at Jersey, 57° at Scilly and Valencia
Lowest, (1) 31° at Munich, 35° at Paris, 38° at Lyons; (2) 33° at Karlstad, 34° at Hernösand, 36° at Stockholm; (3) 38° at Leith, 42° at Loughborough and Oxford.
The maxima recorded yesterday exceeded 60° in many parts of England, and touched 63° at Hunt Cauke. That at Paris was 67°, but that at Berlin only 45°.

WIND

SE to S over the British Islands generally, light at the eastern stations, moderate to strong in the west. Over France it was variable and very light from between NE. and SE. Over Sweden it is light from N.

WEATHER

Fine and quiet on the Continent, clear over Scandinavia, foggy over France; fair but foggy and dull in many parts of Great Britain, unsettled over Ireland with rain at Valencia.
Bright Sunshine recorded yesterday amounted to 7 hrs at Llandudno, to 6 hrs: at Stornaway, to above 4 hrs: at Aberdeen and Pembroke, to 3 hrs: at Southport, and 2·4 hrs at Hastings; in London there was none.

SEA

Rather rough at Valencia, moderate at Rockerpoint, Pembroke and Lumbugh Hd., slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure area on the Atlantic is encroaching slowly on the Irish coast and the southern and western parts of Ireland have been warned. It does not seem likely to spread eastwards at all quickly, and fair mild weather is probable in the east and southeast, with haze at times.

FORECASTS

For the 24 hours ending at NOON on 28TH OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S 24 winds, freshening considerably with rain.
1	SCOTLAND EAST	S 24 winds, moderate; fair, mild.
2	ENGLAND N.E.	SE 24 and S 24 winds, moderate; fair, mild, hazy in some places.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S 24 winds, becoming strong and showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	SE 24 and S 24 winds, strong; squally, rainy.
10	IRELAND SOUTH	
	WARNINGS	At 10·30 am today to district 10 "Hoist South Cone"

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·52	?	?	E	2	bc	1
Sumburgh Head	30·20	50	50	SE	2	o	4
Stornoway	30·18	57	55	S	2	b	2
Aberdeen	30·28	53	49	S	3	b	4
Shields	30·33	55	51	SSW	2	bm	2
Ardrossan	30·24	53	51	NNE	1	bf	1
Malin Head ...	30·14	55	54	ESE	5	cm	2
Belmullet	30·06	61	57	SSE	2	b	*
Holyhead	30·25	58	55	S	1	ogm	1
Valencia	30·03	59	57	SE	5	ogm	4
Scilly	30·15	58	56	ESE	4	om	2
Jersey	30·27	60	56	SE	3	o	3
Hurst Castle ...	30·28	62	58	E	1	bm	1
Dungeness ...	30·32	59	55	E	1	bc	1
North Foreland	30·37	57	55	SE	2	bc	2
London (Westminster)	30·33	59	55	E	1	cm	3*
Yarmouth ...	30·34	55	53	SSE	1	b	
Rochefort ...	30·20	72	63	SE	2	bc	*

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

Weather in morning fair and very quiet over northwestern, central, western, and southern Europe, (including Great Britain — clear in many places, but foggy or very misty in others. Rain falling, however, over the south-midland counties of England, including London. Clearing up subsequently over England, but rain setting in at Valencia during the night. Fog a haze continuing very prevalent over our eastern districts and the Continent.

Temperature risen over England, Ireland, and Brittany. Morning readings highest 69° to 58° on the southern and western sides of the Mediterranean; 58° at Valencia and Jersey, 54° at the North Foreland, 52° at Donaghadee. Lowest (1) 31° at Archangel, 39° at Ukeaborg; (2) 33° at Karlstad, 35° at Fauder; (3) 32° at Nairn, 36° at Leith and York; 35° at Munich, 36° at Paris, 37° at Belfort. Rising to between 60° and 63° over many parts of Ireland and England later, and touching 67° at Nairn and 75° at Biarritz, but not exceeding 45° at Berlin. Rising rapidly over our northern districts.

Wind light and anticyclonic all over Scandinavia and Central Europe. Light NW to W over Russia, but SE over the British Islands, and blowing freshly on our southwest coasts.

Barometer highest 30·5 ins. and more to 30·3 ins. in a large anticyclone covering the whole of Scandinavia, central, southern and southeastern Europe. Lowest (1) Below 29·8 ins. over Eastern Russia; (2) below 30·0 ins. off the west and southwest of Ireland. No decided change taking place 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.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 28th October, 1897.

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 ...	30·28	32	L	0	b	30·10	−·15	33	33	− 6	SW	2	f	*	b	*	46	30	—
	Hernösand ...	30·40	34	L	0	b	30·34	−·12	37	35	+ 3	L	0	b	*	b	*	48	32	—
	Stockholm ...	30·46	40	W	2	f	30·47	−·07	36	36	0	L	0	f	*	f	*	43	34	—
	Wisby	30·50	41	NW	4	o	30·46	−·10	44	43	+ 3	NNW	4	o	*	o	*	44	37	—
	Karlstad ...	30·50	39	NW	2	f	30·46	−·12	39	39	+ 6	N	2	f	*	f	*	*	*	—
	Bodö	30·30	45	W	4	r	30·15	−·23	49	48	+ 4	SW	5	o	3	r	*	49	43	0·08
	Christiansund ...	30·38	44	L	0	b	30·28	−·17	42	41	− 5	SE	1	b	1	b	*	48	41	—
	Skudesnaes ...	30·43	48	L	0	b	30·41	−·11	48	45	+ 1	?NNE	4	b	3	b	*	54	43	*
	Færder (Christiania Fjord)	30·51	44	SW	2	m	30·47	−·11	39	39	+ 1	NNW	1	f	1	m	*	45	37	—
	Skagen (The Scaw)	30·52	47	SSW	1	m	30·49	−·12	45	45	0	SSW	1	f	0	f	*	60	45	—
	Fanö	30·50	44	SE	4	o	30·43	−·14	39	39	− 5	SE	4	o	*	o	*	55	39	—
British Islands	Sumburgh Head	30·23	48	S	2	m	30·15	−·14	49	49	− 1	S	1	m	4	m	*	51	46	—
	Stornoway ...	30·05	55	S	3	o	30·06	−·10	55	55	+ 4	SSW	3	o	4	b,o	6·9	60	48	—
	Wick	30·15	50	S	2	b	30·13	−·13	51	50	− 1	S	1	b	1	b	*	54	49	—
	Nairn	30·14	55	W	2	b	30·12	−·13	51	50	+ 8	WSW	1	b	1	b	*	63	41	—
	Aberdeen ...	30·24	49	S	3	og	30·20	−·13	47	47	− 1	SSE	2	bcmr	3	cq,og	0·0	50	47	—
	Leith	30·21	47	NW	2	f	30·19	−·12	45	45	+ 7	L	0	f	*	f	*	54	37	—
	Shields	30·26	48	S	1	f	30·23	−·12	48	47	+ 1	E	1	cf	2	f	*	48	45	—
	Spurn Head ...	30·28	52	SE	2	b	30·25	−·09	46	46	− 5	S	1	f	1	f,m,b	*	52	45	0·01
	York	30·28	48	SSE	1	f	30·26	−·09	42	42	− 3	SSE	1	f	*	f	0·0	50	41	0·01
	Loughborough ...	30·30	45	ESE	1	f	30·28	−·07	37	37	− 5	L	0	f	*	of,m,fg	*	49	36	0·01
	Ardrossan ...	30·46	45	E	2	of	30·16	−·07	51	51	+ 3	NE	1	ofp	1	bf,af	*	58	41	—
	Malin Head ...	30·01	56	SE	5	cm	30·06	−·03	53	53	+ 1	S	3	bc	1	cf,cm	*	58	52	—
	Belmullet ...	29·98	57	SW	2	o	30·00	+·01	56	55	0	SSE	2	o	*	o	*	59	53	0·01
	Donaghadee ...	30·16	56	SSW	5	c	30·16	−·05	56	55	+ 3	SSW	3	m	1	c	*	57	52	—
	Liverpool (Bidston)	30·23	51	ESE	3	o	30·20	−·07	45	44	− 2	SE	3	f	?	of	*	53	45	—
	Holyhead ...	30·17	58	S	2	cm	30·18	−·03	57	53	+ 9	S	1	cm	1	bc,cm	*	62	47	—
	Parsonstown ...	30·05	58	SE	3	a	30·10	+·02	50	49	− 5	SE	1	c	*	cq,a,b	1·1	60	49	—
	Valencia ...	30·03	55	SSE	2	bc	30·02	+·06	56	55	− 1	SSE	4	opg	3	cm,bc	0·4	61	54	0·09
	Roche's Point ..	30·06	57	SSE	4	dm	30·12	+·02	54	53	− 2	S	5	cm	4	dm	*	58	52	0·10
	Pembroke (St. Ann's Hd.)	30·16	58	SE	5	o	30·17	−·02	56	56	+ 1	SE	5	og	4	o	4·1	59	54	—
	Scilly	30·10	58	SSE	4	m	30·13	+·03	55	54	− 2	S	2	of	2	or,m	3·7	60	53	0·01
	Prawle Point ...	30·22	56	ESE	2	bc	30·20	−·03	55	55	− 1	ESE	2	og	2	bc,f	*	59	53	—
	Jersey (St. Aubin's)	30·24	59	SE	2	cg	30·24	−·02	58	56	0	ESE	4	b	3	cg,bc	*	61	52	0·01
	Hurst Castle ...	30·26	55	E	1	cm	30·25	−·02	50	50	− 6	?NE	2	f	1	cm,cm	*	61	47	—
	Dungeness ...	30·29	56	SE	2	c	30·27	−·05	55	54	+ 2	SSE	2	bc	1	c	*	56	54	—
Germany & Holland	North Foreland	30·31	55	SE	2	bc	30·28	−·07	54	53	+ 1	S	1	bm	1	c,bc	*	56	50	0·01
	London (Brixton) ...	30·29	53	SE	1	ogm	30·27	−·05	45	45	− 3	SE	1	gfm	*	ogm,fgw	0·0	56	43	—
	Oxford	30·29	48	SE	1	f	30·27	−·05	45	45	+ 3	SE	1	f	*	o,f	*	57	41	—
	Cambridge ...	30·29	49	E	1	c	30·28	−·08	43	43	+ 2	E	1	f	*	cm	0·0	54	38	—
	Yarmouth ...	30·28	53	SE	1	bc	30·27	−·08	46	45	− 6	L	0	f	2	bc	*	54	43	0·01
	Cuxhaven ...	30·49	41	SE	3	o	30·41	−·13	37	37	− 4	SE	2	m	*	o	*	50	36	—
	Berlin	30·56	43	SE	2	b	30·51	−·11	32	32	− 10	S	3	f	*	b	*	45	30	—
	Wiesbaden ...	*	*	*	*	*	30·51	+·04	39	37	0	NE	2	o	*	*	*	61	39	—
	Munich	30·48	38	SE	2	b	30·48	−·02	33	33	+ 2	E	2	f	*	b	*	48	31	0·04
	The Helder ...	30·35	53	ESE	2	bc	30·32	−·11	46	46	− 2	SE	1	m	1	bc	*	56	45	—
France & Belgium	Brussels ...	*	*	*	*	*	30·35	−·08	46	43	0	SE	1	b	*	b	*	64	42	—
	Cape Gris Nez ...	30·28	54	ESE	1	m	30·26	−·02	51	47	+ 1	SE	1	m	1	m	*	59	46	—
	Paris	29·93	48	ESE	1	m	30·32	−·04	33	33	− 2	L	0	f	*	m	*	64	32	—
	Brest	30·18	59	ESE	2	o	30·18	−·01	57	56	+ 2	S	2	o	4	o	*	61	50	—
	Lorient	30·23	59	E	1	m	30·21	−·01	55	55	+ 10	ESE	2	f	4	m	*	63	45	—
	Rochefort ...	30·23	60	S	2	b	30·21	+·01	51	49	+ 1	S	3	c	*	c,b	*	70	48	—
	Belfort	30·39	46	E	3	m	30·44	−·04	36	36	− 2	L	0	f	*	m	*	59	34	—
	Lyons	30·38	52	N	1	b	30·39	−·04	40	40	+ 2	N	1	fb	*	b	*	62	37	—
	Nice	30·34	56	E	1	b	30·35	−·02	53	52	+ 3	L	0	b	1	b	*	66	50	—
	Perpignan ...	30·35	54	E	2	b	30·35	−·03	45	45	+ 1	L	0	b	*	b	*	64	43	—
	Biarritz ...	30·19	68	SSE	3	b	30·16	+·03	56	53	− 10	S	2	b	1	b	*	77	54	—
Peninsula	Corunna ...																*			
	Lisbon	30·19	65	ENE	2	o	30·15	−·05	64	63	+ 1	SSE	3	o	*	o	*	68	63	0·04
	Azores (P. Delgada)	29·67	65	SSW	9	r	29·69	−·24	60	57	− 7	WNW	5	o	7	r	*	68	57	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 0·6 hrs;

WEATHER CHARTS

FOR Thursday, 28th October, 1897.

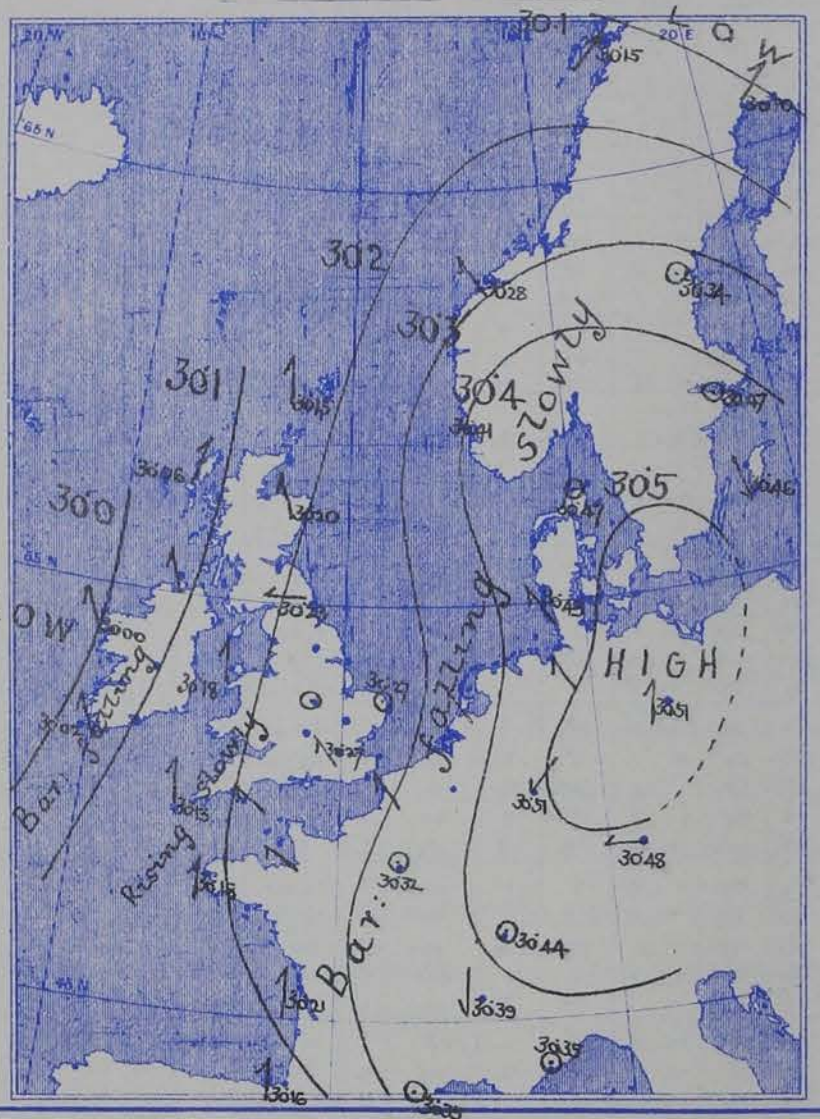
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; High

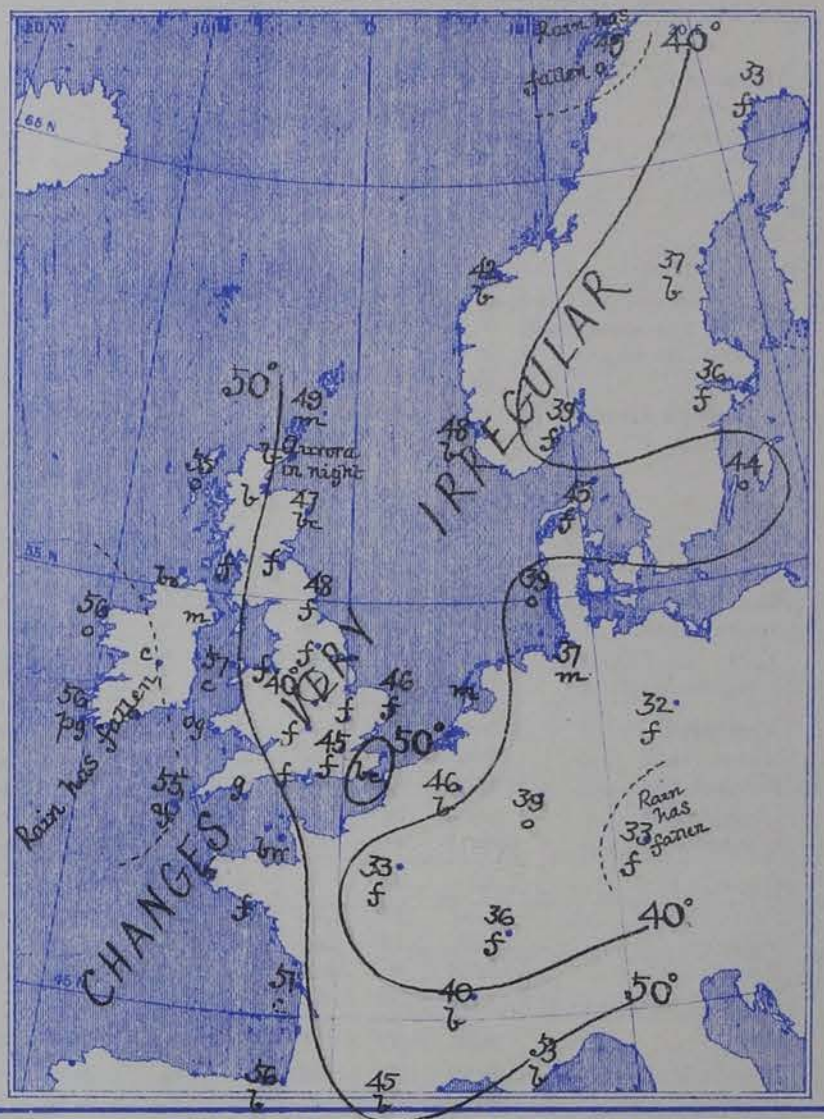


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

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 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 · 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 14	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	53 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.5 ins. and more to 30.2 ins. in an anticyclone covering the greater part of Continental Europe and the eastern half of Gt. Britain.
Lowest Below 30.0 ins. off our extreme northwestern coasts.
Gradients moderate all over our Islands, and favourable for SE.^{ly} and S.^{ly} winds.
Barometer falling all over Germany and had begun to fall again in the southwest of Ireland.

TEMPERATURE

Highest 64° at Lisbon, 57° at Brest and Holyhead, 56° at Biarritz and at Valencia (Ireland) and Belmullet, 55° at Dungeness and Stornoway.
Lowest (1) 31° at Berlin, 33° at Munich; (2) 33° at Haparanda, 36° at Stockholm; (3) 37° at Loughborough.
Thus Loughborough was 20° colder than Holyhead. During yesterday the thermometer touched 61° at Jersey, Hurst Castle and Valencia, and 62° at Holyhead, 64° at Paris, and 77° at Biarritz.
The minimum shade readings for the past night were 36° at Loughborough, 37° at Leith & 38° at Cambridge.

WIND

Light and anticyclonic over the greater part of the continent. Very light from SE. over the greater part of England; rather more S.^{ly}, moderate to fresh on our western coasts. It was inclined to increase in the south of Ireland.

WEATHER

Quiet and very foggy within the anticyclonic area, but especially so over England and the SE. of Scotland; cloudy or overcast at our W.^{rn} stations, with rain at Aranmore, and at Valencia (Ireland).
About a tenth of an inch of rain has fallen at Valencia and Roche's P.^{t}. Aurora has been seen at Wick, and a Parhelion at Jersey.

SEA

Moderate in the W. and SW., very smooth in the SE. and E.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone seems to be now giving way generally, but slowly, and a change of weather is likely to occur before long.

FORECASTS

For the 24 hours ending at NOON on 29th October 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.^{ly} winds moderate and fair at first, stronger later with rain.
1	SCOTLAND EAST	S.^{ly} or SE.^{ly} airs, foggy or hazy, clearer later.
2	ENGLAND N.E.	
3	ENGLAND EAST	SE.^{ly} airs and light breezes; very foggy today, possibly clearing later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S.^{ly} winds, increasing in force; cloudy, rain at times.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
▼ 10	IRELAND SOUTH	
	WARNINGS	South Cone is still flying in district 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·49	54	50	SSE.	2	b	3
Sumburgh Head	30·26	51	51	SE.	2	m	4
Stornoway	30·10	60	60	SE.	3	b	3
Aberdeen	30·27	49	48	SSE.	4	cq	4
Shields	30·28	47	47	S.	0	f	2
Ardrossan	30·16	45	44	E.	2	bf	1
Malin Head ...	30·04	56	55	SE.	5	c	2
Belmullet	29·96	57	54	SSE.	4	o	*
Holyhead	30·18	62	57	S.	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·97	59	58	SSE.	4	o	4
Scilly	30·10	59	57	SSE.	4	or	2
Jersey	30·24	59	55	SE.	3	c	3
Hurst Castle ...	30·26	60	57	E.	1	om	1
Dungeness ...	30·29	56	54	SSE.	1	c	1
North Foreland	30·33	56	54	SE.	2	c	2
London (Westminster)	30·28	57	53	SE.	1	ogmr	*
Yarmouth ...	30·31	54	52	SSE.	2	be	2
Rochefort ...	30·21	69	62	SE.	3	c	*

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

Weather in morning quiet, but very dull and foggy, over England, France and many parts of central Europe, as well as in the S. of Norway, fine over the Nrn. and Wrn. parts of Gt. Britain, unsettled in the W. of Ireland, with rain at Valencia. About 0·1 in. of rain falling later in the S. of Ireland, much dew and wet fog over England, and some rain at Munich. Aurora seen at Wick and Parhelion at Jersey.

Temperature changing very irregularly over the N. of our Islands — risen fast at many stations, but becoming more evenly distributed in Scotland than of late. Morning readings highest 66° at San Fernando and Biarritz, 58° at Jersey, 57° at Scilly and Valencia, 53° at Dungeness, 51° at Stornoway. Lowest (1) 30° at Archangel, 35° at Kuopio, 36° to 35° over Russia as a whole; 33° at Karlstad, 38° at Faerder; (2) 31° at Munich, 35° at Paris, 38° at Lyons. Rising later to between 62° and 60° at several of our SWrn. stations, to 64° at Paris and Brussels and to 77° at Biarritz; not exceeding 45° at Berlin.

Wind very light and anticyclonic all over Scandinavia, central and many parts of southwestern, southern and southeastern Europe; light NW. over Russia, light SE. over Gt. Britain, but fresh over Ireland and the Irish Channel. No decided change later.

Barometer Highest 30·6 ins. and more over Germany and the S. of Sweden, and exceeding 30·3 ins. all over Scandinavia, the Baltic and the central and southern countries of Europe. Lowest Below 30·0 ins. (1) over the NE. of Russia, (2) off the extreme W. and SW. of Ireland, and over the Azores. Giving way a little later within the anticyclonic system, but rising slightly in the SW. of Ireland until late at night.

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 Friday 29TH October, 1897.

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 ...	?	35	SW	0	b	29.97	-.13	40	39	+7	SW	2	c	5	b	#	45	28	-
	Hernösand ...	30.30	39	SW	0	b	30.23	-.11	31	31	-6	W	0	b	#	b	#	57	28	-
	Stockholm ...	30.42	41	W	2	o	30.39	-.08	39	39	+3	W	2	f	#	o	#	44	36	-
	Wisby	30.47	42	NNW	4	o	30.44	-.02	41	41	-3	SW	4	f	#	o	#	45	39	-
	Karlstad ...	30.45	41	NW	2	o	30.39	-.07	42	41	+3	SW	2	o	#	o	#	#	#	-
	Bodö	30.09	50	SW	5	bc	29.96	-.19	50	49	+1	SW	8	o	5	bc	#	50	46	0.04
	Christiansund ...	30.26	45	SW	0	b	30.25	-.03	41	41	-1	W	0	m	2	b	#	52	41	-
	Skudesnaes ...	30.36	45	SSE	6	c	30.36	-.05	48	48	0	SE	6	o	4	b.c	#	52	45	#
	Færder (Christiania Fjord)	30.45	40	NNE	2	f	30.37	-.10	42	42	+3	NNE	1	m	1	f	#	42	39	-
	Skagen (The Scaw)	30.44	45	SSW	1	o	30.38	-.09	46	44	+1	ESE	1	o	0	o	#	46	45	-
	Fanö	30.38	42	SSE	1	o	30.35	-.08	39	39	0	SE	2	m	#	o	#	42	39	-
British Islands.	Sumburgh Head	30.12	49	SSE	2	f	30.10	-.05	49	49	0	SSE	1	m	3	f	#	53	47	0.01
	Stornoway ...	30.04	55	SW	3	o	29.95	-.11	52	52	-3	W	0	o	0	c.o	4.3	58	45	-
	Wick	30.10	54	S	1	b	30.04	-.09	51	51	0	S	2	c	1	b	#	60	41	-
	Nairn	30.10	53	W	1	b	30.02	-.10	42	41	-9	WSW	1	f	1	b	#	60	40	-
	Aberdeen ...	30.16	47	S	1	bc	30.09	-.11	49	48	+2	S	1	omw	1	c.f	0.9	55	44	-
	Leith	30.16	48	W	0	o	30.07	-.12	45	45	0	W	0	f	#	o	#	51	41	-
	Shields	30.18	53	SSW	2	bcm	30.13	-.10	45	45	-3	SSW	1	f	2	b bm f	#	60	43	-
	Spurn Head ...	30.20	51	SSE	2	o	30.16	-.09	50	49	+.4	SE	3	c	3	f o w	#	55	45	-
	York	30.19	48	W	0	bf	30.15	-.11	48	48	+6	SSE	1	f	#	bf	0.0	50	41	0.01
	Doughborough ...	30.22	47	SSE	2	f	30.17	-.11	35	35	-2	W	0	fw	#	b bm f	#	51	35	0.01
	Ardrossan ...	30.11	55	ENE	2	of	30.02	-.14	48	47	-3	NNE	3	ef	2	of	#	56	45	0.01
	Malin Head ...	29.99	54	S	4	c	?		55	54	+2	SE	6	cqm	2	bc.c	#	60	53	-
	Belmullet ...	29.99	55	SSE	1	b	29.75	-.25	58	56	+2	SE	4	o	#	bc.b	#	61	53	-
	Donaghadee ...	30.10	55	SSW	3	m	30.02	-.14	52	52	-4	SE	3	f	1	m	#	56	52	-
	Liverpool (Bidston)	30.14	53	SE	3	o	30.08	-.12	44	43	-1	SE	3	c	?	of	#	58	44	-
	Holyhead ...	30.10	57	W	0	ogm	30.00	-.18	54	53	-3	E	1	cm	0	om.gm	#	60	50	-
	Parsonstown ...	30.01	55	SE	1	o	29.85	-.25	57	55	+7	SE	3	cq	#	c.o	1.1	57	49	-
	Valencia ...	29.81	59	SE	5	og	29.69	-.33	61	57	+5	SE	6	o	4	bc.og	4.0	62	55	0.07
	Roche's Point ..	30.00	56	S	5	o	29.81	-.31	57	57	+3	SSE	7	or	5	c.o	#	57	54	-
	Pembroke (St. Anu's Hd.)	30.09	56	SE	5	c	29.97	-.20	55	54	-1	SE	5	bm	4	o.c	0.0	58	54	-
	Scilly	30.02	57	SE	5	ofw	29.86	-.27	58	56	+3	SE	5	or	4	ofw	0.3	59	54	0.01
	Prawle Point ...	30.13	55	E	3	c	30.02	-.18	56	55	+1	ESE	4	b	2	c	#	56	54	-
	Jersey (St. Aubin's)	30.15	60	ESE	1	bm	30.08	-.16	58	53	0	ESE	4	bw	3	b.bm	#	63	54	-
	Hurst Castle ...	30.19	56	ENE	1	bm	30.15	-.10	55	54	+5	E	3	bcm	2	bm	#	62	50	-
	Dungeness ...	30.22	55	ENE	1	b	30.17	-.10	54	52	-1	SE	2	bm	1	bc.b	#	62	52	-
	North Foreland	30.25	55	SE	1	bm	30.19	-.09	54	52	0	SE	2	b	2	bm	#	61	51	-
	London (Brixton) ...	30.22	45	SE	1	gf	30.17	-.10	44	44	-1	W	0	f	#	gf.bf	0.0	49	38	-
	Oxford	30.20	44	W	0	f	30.15	-.12	36	36	-9	W	0	f	#	f.c.f	#	55	34	-
	Cambridge ...	30.23	46	ESE	1	f	30.18	-.10	41	41	-2	ESE	1	bm	#	c.f	2.3	55	38	-
	Yarmouth ...	30.22	53	SSE	1	b	30.18	-.09	53	52	+7	SSE	2	bw	2	bm.b	#	56	44	-
Germany & Holland.	Cuxhaven ...	30.35	43	SSE	2	o	30.33	-.05	33	33	-4	S	1	f	#	o	#	43	32	-
	Berlin	30.45	42	W	0	bc	30.44	-.07	37	36	+5	SSE	3	bc	#	bc	#	43	32	-
	Wiesbaden ...	*	*	*	*	*	30.41	-.10	34	33	-5	E	2	o	#	*	#	48	30	-
	Munich... ..	30.43	36	SE	2	o	30.42	-.06	34	34	+1	W	3	f	#	o	#	37	32	-
	The Helder ...	30.29	48	SE	1	b	30.26	-.06	38	37	-8	SE	1	f	1	b	#	55	37	-
Belgium.	Brussels ...	*	*	*	*	*	30.27	-.08	43	41	-3	SE	2	b	#	b	#	65	39	-
	Cape Gris Nez...																#			
	Paris	30.16	50	SSE	1	b	30.24	-.08	34	34	+1	SE	1	m	#	b	#	66	33	-
	Brest	30.09	58	ESE	2	b	29.95	-.23	55	54	-2	SE	3	b	3	e	#	64	50	-
	Lorient... ...	30.10	56	E	4	bc	30.00	-.21	46	46	-9	E	4	c	4	bc	#	64	45	-
France &	Rochefort ...	30.15	61	SE	2	b	30.07	-.14	53	48	+2	ESE	4	bc	#	b	#	72	46	-
	Belfort	30.39	37	NE	3	f	30.38	-.06	32	32	-4	W	0	f	#	f	#	54	32	-
	Lyons ...	30.32	53	W	1	b	30.36	-.03	43	42	+3	WSW	1	b	#	b	#	61	40	?
	Nice	30.36	56	SW	1	o	30.38	+.03	58	47	+5	E	2	bc	0	o	#	63	48	-
	Perpignan ...	30.27	57	SE	2	c	30.27	-.08	54	51	+9	SE	2	b	#	c	#	68	45	-
	Biarritz ...	30.09	69	SSE	3	b	30.01	-.15	63	56	+9	S	3	b	1	b	#	77	56	-
Peninsula.	Corunna ...																#			
	Lisbon	30.05	64	SSE	3	b	29.97	-.18	64	63	0	SSE	3	o	#	b	#	70	63	-
	Azores (P. Delgada)	29.92	59	NW	4	b	29.99	+.30	58	53	-2	NW	3	bc	4	b	#	68	55	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 6.0 hrs;

WEATHER CHARTS

FOR Friday, 29th October, 1897.

BAROMETER, WIND AND SEA.

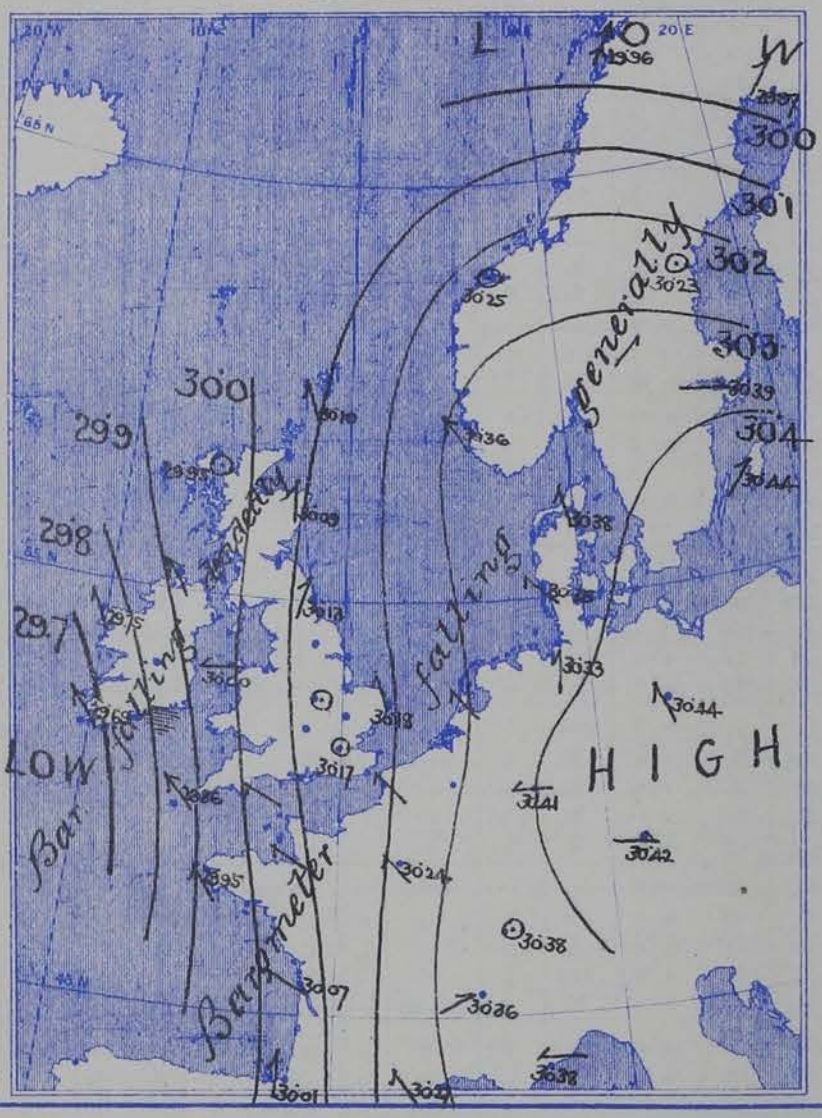
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

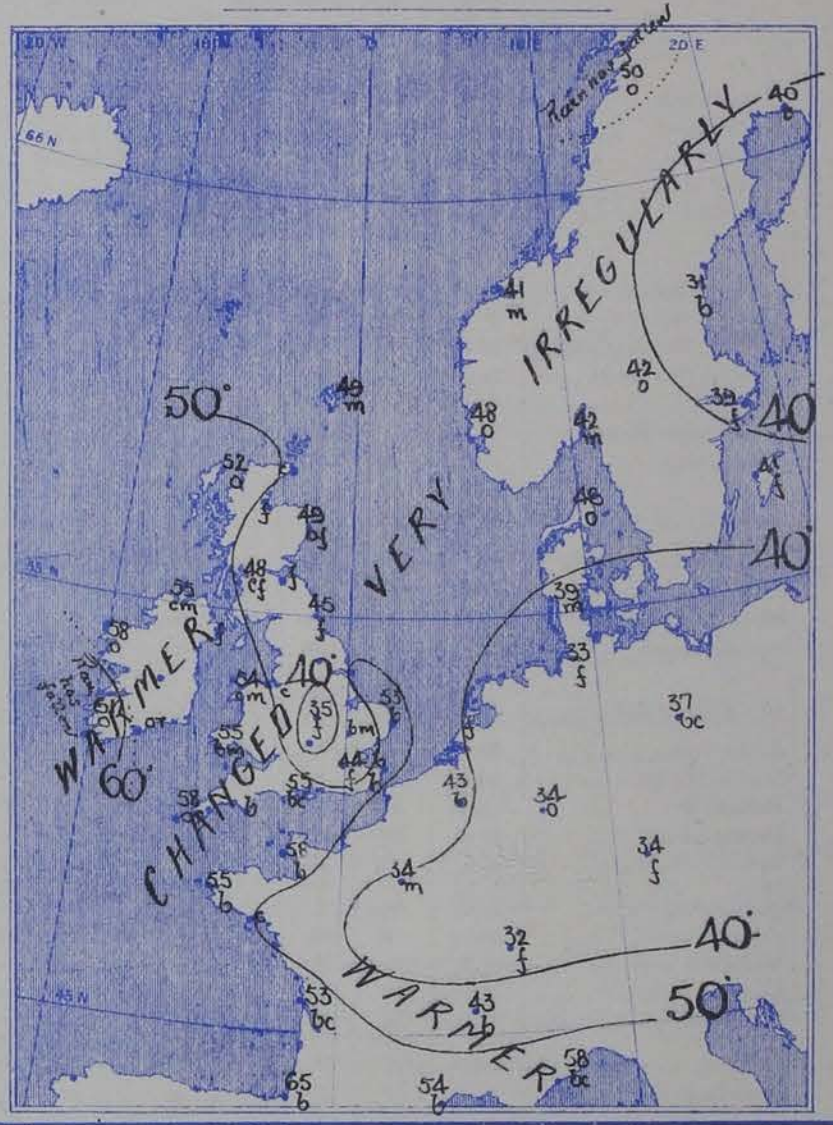


TEMPERATURE & WEATHER.

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 OCTOBER.*

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	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4 31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29 847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	53·3	46·3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29 907	47·5	45·9	56·6	42·7	80	1886	24	1890.	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards in an anticyclone lying over central Europe.
Lowest 29.7 ins. and less off the west coast of England.
Gradients rather steep over the W^m. and SW^m. parts of the country, moderate elsewhere.
Barometer falling decidedly over the W^m. districts, and to a less extent in most other places.

TEMPERATURE

Highest 65° at Biarritz, 61° at Valencia (Ireland) 58° at Scilly, Jersey and Nice, and 57° at Parsonstown and Roche's Point.
Lowest 31° at Hernösand, 32° at Munich and Belfort, 34° at Paris and Wiesbaden, and 35° at Loughborough.
During yesterday the thermometer touched 63° at Jersey, and 62° at Hurst Castle, Dungeness & Valencia (Ireland).

WIND

Light and anticyclonic over the greater part of the Continent, light from SE. or E. over England, but fresh to strong breezes from SE. were reported from our western stations. A strong gale from the S^wd. prevailed at Belmullet during last night.

WEATHER

Still foggy at many of the British and Continental stations, but fine and bright in the S. of England and also in the S. of France. Cloudy or overcast in the W., with slight rain at Roche's Pt and Scilly. Bright Sunshine recorded yesterday amounted to 8.7 hrs. at Hastings, 8 hrs. at Ventnor, 7.7 hrs. at Brighton, 7.5 at Eastbourne, and 6 hrs. at Southport.

SEA

Rather rough at Roche's Pt. and also at Bodo, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure systems over the Atlantic, are spreading gradually E^wds., and increasing S^ly and SE^ly winds are likely to prevail over the W^m. parts of the Kingdom, but fair, mild weather is probable in the east and southeast.

FORECASTS

For the 24 hours ending at NOON on 30^TH. OCTOBER 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE^ly winds becoming strong and squally; with rain.
1	SCOTLAND EAST	SE^ly and S^ly breezes, freshening; fair, mild.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SE^ly breezes, fresh to strong; fair to rainy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	SE^ly and S^ly winds, strong to a gale, rainy.
10	IRELAND SOUTH	
	WARNINGS	At 10.15 am today to district 10 Hoist South Cone again.

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 ...	30·34	52	49	SSE.	6	b	4
Sumburgh Head	30·14	52	52	SSE	1	c	4
Stornoway	30·06	58	58	SW	4	o	4
Aberdeen	30·16	53	49	S	2	bc	2
Shields	30·19	60	55	SSW	2	bm	2
Ardrossan	30·13	55	54	ENE	1	of	1
Malin Head ...	30·03	58	57	S	3	bc	1
Belmullet	29·98	60	55	SSE	2	bc	*
Holyhead	30·15	60	56	S	1	om	1
Valencia	29·96	60	55	SSE.	4	bc	4
Scilly	30·07	58	57	SE	3	of	2
Jersey	30·19	61	57	SE	3	b	3
Hurst Castle ...	30·20	62	57	SE	2	bm	1
Dungeness ...	30·24	60	56	S	2	bc	1
North Foreland	30·26	60	57	SE	2	bm	1
London (Westminster)	30·23	54	52	L	0	gf	*
Yarmouth ...	30·25	55	54	SSE	2	b	2
Rochefort ...	30·16	70	63	SE	2	b	*

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

Weather in morning dull and foggy over England and the S. of Scotland, and also at some Continental stations, but fine and bright over S^th. Europe generally, unsettled in the W. of Ireland, with showers at Valencia (Ireland). Fog becoming very dense and wet in London during the day, but clearing somewhat towards evening.

Temperature still changing very irregularly over the United Kingdom, but falling somewhat decidedly over central Europe. Morning readings highest 65° at La Calle, 64° at Lisbon and Algiers, 63° at Malta, 60° at Barcelona, 57° at Brest, and 56° at Donaghadee, Pembroke and Valencia (Ireland). Lowest (1) 23° at Hernanstadt, 29° at Archangel, 32° at Kaopio and Berlin, and 33° at Paris, Munich and Buda Pesth, (2) 37° at Loughborough, 42° at York, and 43° at Cambridge. Rising later to between 60° and 63° at several of our S^th. stations, to 66° in Paris, 72° at Rochefort, and to 77° at Biarritz.

Wind light and anticyclonic over Scandinavia and central Europe generally, light from NW. over Russia, and light from SE. over Gt. Britain, but fresh on our W^rn. coasts. Wind increasing to a strong gale from the S^th. at Belmullet during the night, little change elsewhere.

Barometer highest 30·6 ins. and more in an anticyclone lying over Germany and Austria, and exceeding 30·3 ins. over Scandinavia, the Baltic and central Europe. Lowest 30·0 ins. and less off our western coasts, and below 30·1 ins. over N^rn. and central Russia. Barometer rising slowly at the Mediterranean stations, but falling in most other places; fall becoming more decided over Ireland 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 Saturday, 30th October, 1897.

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	47	S	4	0	30.18	+.21	37	35	− 3	SE	0	bc	*	0	*	48	32	-
	Hernösand ...	30.24	39	SE	0	b	30.27	+.04	34	33	+ 3	SE	0	b	*	b	*	50	30	-
	Stockholm ...	30.34	39	SE	0	0	30.35	−.04	38	37	− 1	W	2	0	*	0	*	43	37	-
	Wisby	30.38	46	SSW	4	0	30.36	−.08	42	41	+ 1	NW	4	0	*	0	*	50	39	-
	Karlstad ...	30.35	40	N	2	0	30.34	−.05	38	37	− 4	N	2	0	*	0	*	*	*	-
	Bodö	30.13	48	SW	8	0	30.10	+.14	49	48	− 1	SW	4	0	2	0	*	52	45	0.55
	Christiansund ...	30.26	44	SE	0	b	30.15	−.10	41	40	0	ESE	1	b	2	b	*	48	39	-
	Skudesnaes ...	30.30	49	SSE	4	0	30.29	−.07	48	46	0	SSE	6	of	4	b.o	*	49	43	*
	Færder (Christiania Fjord)	30.35	43	SE	0	0	30.34	−.03	39	38	− 3	N	2	0	1	0	*	45	39	-
	Skagen (The Scaw)	30.36	46	SSE	1	0	30.34	−.04	45	43	− 1	E	1	0	0	0	*	48	43	-
	Fanö	30.33	40	SE	1	0	30.30	−.05	39	39	0	SE	2	f	*	c	*	44	39	-
	Sumburgh Head	30.02	50	SSE	3	f	29.93	−.17	50	50	+ 1	SSE	3	c	4	f	*	51	48	-
	Stornoway ...	29.87	54	S	1	0	29.87	−.08	55	55	+ 3	SW	3	0	4	0	0.8	58	49	0.05
	Wick	29.97	53	S	2	0	29.96	−.08	53	52	+ 2	S	2	c	1	0	*	54	50	-
	Nairn	29.95	45	SE	0	f	29.95	−.07	54	51	+ 12	SE	0	0	1	f	*	58	39	-
	Aberdeen ...	30.03	49	S	1	bcmw	30.03	−.06	47	46	− 2	SW	1	bmw	1	0g.bcm	0.0	52	45	-
	Leith	30.01	48	SW	1	bc	30.04	−.03	46	46	+ 1	SE	0	bcm	*	bc	*	50	42	-
	Shields	30.06	51	SE	0	bm	30.09	−.04	47	46	+ 2	S	2	bcm	2	f.c.bm	*	56	44	-
	Spurn Head ...	30.11	53	SE	3	b	30.14	−.02	51	49	+ 1	S	3	bw	3	b.bw	*	55	47	†0.01
	York	30.08	52	ESE	1	bm	30.12	−.03	44	43	− 4	SSE	1	bm	*	f.bm	1.4	54	42	-
	Loughborough ...	30.09	49	ESE	1	b	30.13	−.04	42	42	+ 7	SE	1	bcmw	*	f.bc.bm	*	64	35	-
British Islands.	Ardrossan ...	29.95	56	SE	2	om	30.00	−.02	54	54	+ 6	N	1	ofp	0	c.m.om	*	58	46	0.07
	Malin Head ...	29.79	56	SE	6	om	29.94	?	55	55	0	NW	1	ofp	0	0.om	*	58	55	0.11
	Belmullet ...	29.68	60	SSW	4	c	29.99	+.24	51	51	− 7	SSE	1	b	*	0.6	*	61	50	0.18
	Donaghadee ...	29.92	55	SSW	4	c	30.00	−.02	55	55	+ 3	SSE	3	r	1	fc	*	56	52	0.06
	Liverpool (Bidston)	30.00	54	SE	3	b	30.06	−.02	50	47	+ 6	SE	3	c	?	gm.b	*	57	44	-
	Holyhead ...	29.93	58	SE	1	b	30.01	+.01	56	55	+ 2	SE	1	ogp	1	bc.b	*	63	53	0.02
	Parsonstown ...	29.78	58	SE	3	0	29.99	+.14	49	48	− 8	SW	0	bc	*	ogp	0.0	60	48	0.14
	Valencia ...	29.68	58	SSE	3	og	29.96	+.27	58	57	− 3	NE	3	b	4	ogr.og	0.3	63	46	0.07
	Roche's Point ...	29.77	57	ESE	7	r	29.99	+.18	56	55	− 1	SSE	2	f	4	pg.m	*	58	54	0.20
	Pembroke (St. Ann's Hd.)	29.93	57	SSE	6	o	? 30.05	+.08	57	56	+ 2	SSE	6	gr	5	c.o	1.5	59	55	0.10
	Scilly	29.83	58	S	5	o	30.02	+.16	57	57	− 1	S	1	m	4	o.r	0.9	60	55	0.25
	Prawle Point ...	30.00	56	ESE	3	bc	30.05	+.03	57	56	+ 1	SE	3	c	3	c	*	59	54	-
	Jersey (St. Aubin's)	30.05	59	SSE	3	b	30.10	+.02	56	53	− 2	SE	4	og	3	b	*	62	53	-
	Hurst Castle ...	30.05	60	SSE	4	bc	30.11	−.04	57	54	+ 2	ENE	1	cm	1	bcm	*	62	54	-
	Dungeness ...	30.14	56	SE	3	b	30.17	.00	54	52	0	SSE	4	b	3	b	*	59	52	-
	North Foreland	30.17	55	SE	2	b	30.17	−.02	54	53	0	SE	2	b	2	b	*	58	50	†0.02
	London (Brixton) ...	30.12	54	SE	2	bm	30.15	−.02	46	45	+ 2	ENE	1	bf	*	bm.bc	3.6	66	40	-
	Oxford	30.09	53	SSE	3	b	30.14	−.01	44	43	+ 8	SE	1	b	*	b	*	63	36	-
	Cambridge ...	30.13	51	ESE	1	b	30.17	−.01	44	44	+ 3	SSE	1	bmw	*	b	8.1	65	40	-
	Yarmouth ...	30.15	53	SSE	3	b	30.16	−.02	52	51	− 1	SSE	2	bm	2	b	*	55	49	-
Germany & Holland.	Cuxhaven ...	30.30	43	E	1	b	30.28	−.05	30	30	− 3	SSW	1	f	*	b	*	43	28	-
	Berlin	30.38	45	SSE	1	b	30.35	−.09	37	36	0	E.SE	2	b	*	b	*	52	36	-
	Wiesbaden ...	*	*	*	*	*	30.39	−.02	38	37	+ 4	E	2	0	*	*	*	41	34	-
	Munich	30.40	35	E	2	f	30.41	−.01	34	34	0	SE	1	f	*	f	*	43	34	0.04
	The Helder ...	30.23	46	SE	1	m	30.24	−.02	34	33	− 4	SSE	1	m	1	m	*	50	34	
France & Belgium.	Brussels ...	*	*	*	*	*	30.28	+.01	43	41	0	SSE	1	b	*	b	*	58	40	-
	Cape Gris Nez ...	30.15	52	S	3	m	30.15		50	46		S	2	bc	2	m	*	61	46	-
	Paris	30.21	52	SE	1	b	30.24	.00	37	37	+ 3	ESE	1	m	*	b	*	64	34	-
	Brest	29.94	57	SSE	4	o	29.96	+.01	56	57	+ 4	SE	3	o	4	o	*	64	52	0.04
	Lorient	30.04	59	ESE	5	m	30.02	+.02	57	57	+ 11	ESE	4	r	5	m	*	63	46	0.04
	Rochefort ...	30.08	59	SSE	3	b	30.06	−.01	55	52	+ 2	SE	4	c	*	b	*	68	52	
	Belfort	30.39	39	NE	2	m	30.43	+.05	32	32	0	E	1	f	*	m	*	59	30	-
	Lyons	30.30	52	S	2	b	30.36	.00	43	43	0	SW	1	b	*	b	*	62	40	-
	Nice	30.40	52	E	0	c	30.39	+.01	44	42	− 14	E	2	b	2	c	*	58	43	-
	Perpignan ...	30.27	58	SE	3	b	30.23	−.04	56	52	+ 2	S	2	b	*	b	*	66	49	-
	Biarritz ...	30.03	67	S	5	b	30.00	−.01	66	55	+ 1	S	4	o	1	b	*	73	63	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.01	61	NNW	1	o	30.03	+.06	59	58	− 5	N	1	b	*	o	*	68	59	1.34
	Azores (P. Delgada)	30.15	59	NW	4	b	30.21	+.22	58	55	0	NW	2	bc	3	b	*	64	55	-

For Explanation of Columns, see bottom of last page. † Dew or wet fog.

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 3.0 hrs;

WEATHER CHARTS

FOR Saturday, 30th October, 1897.

BAROMETER, WIND AND SEA.

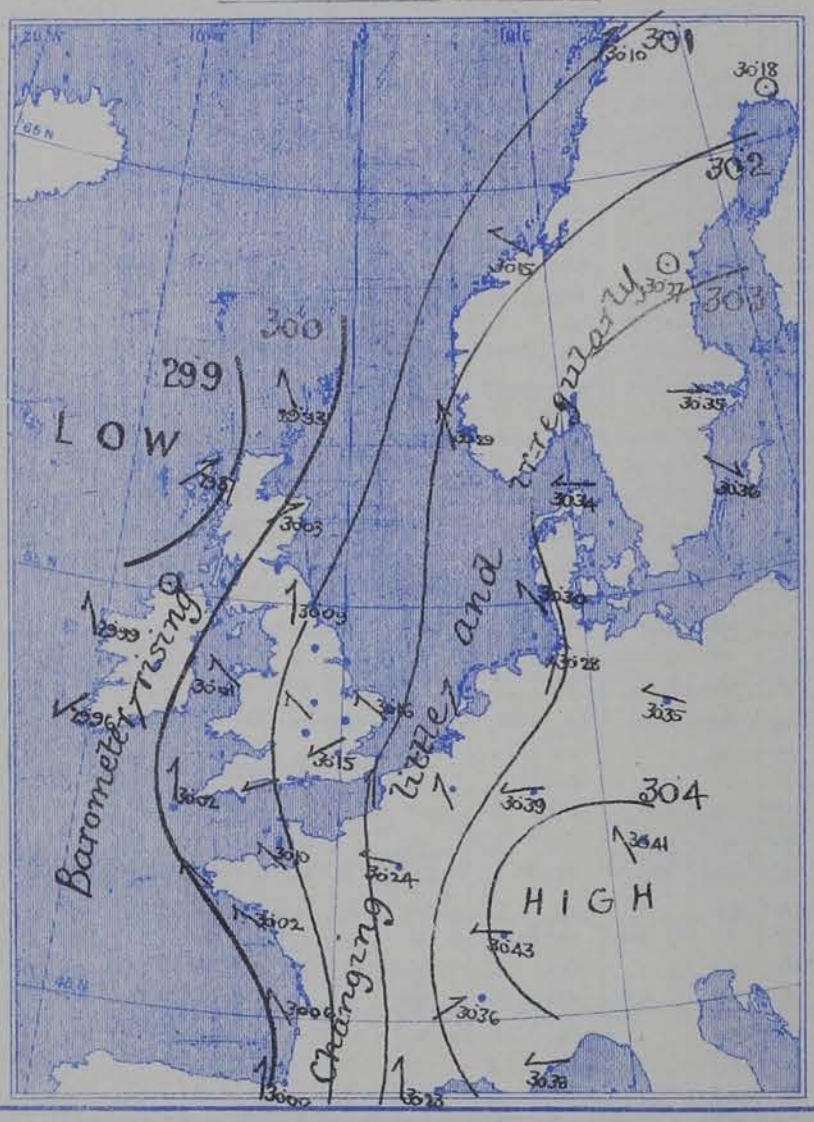
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

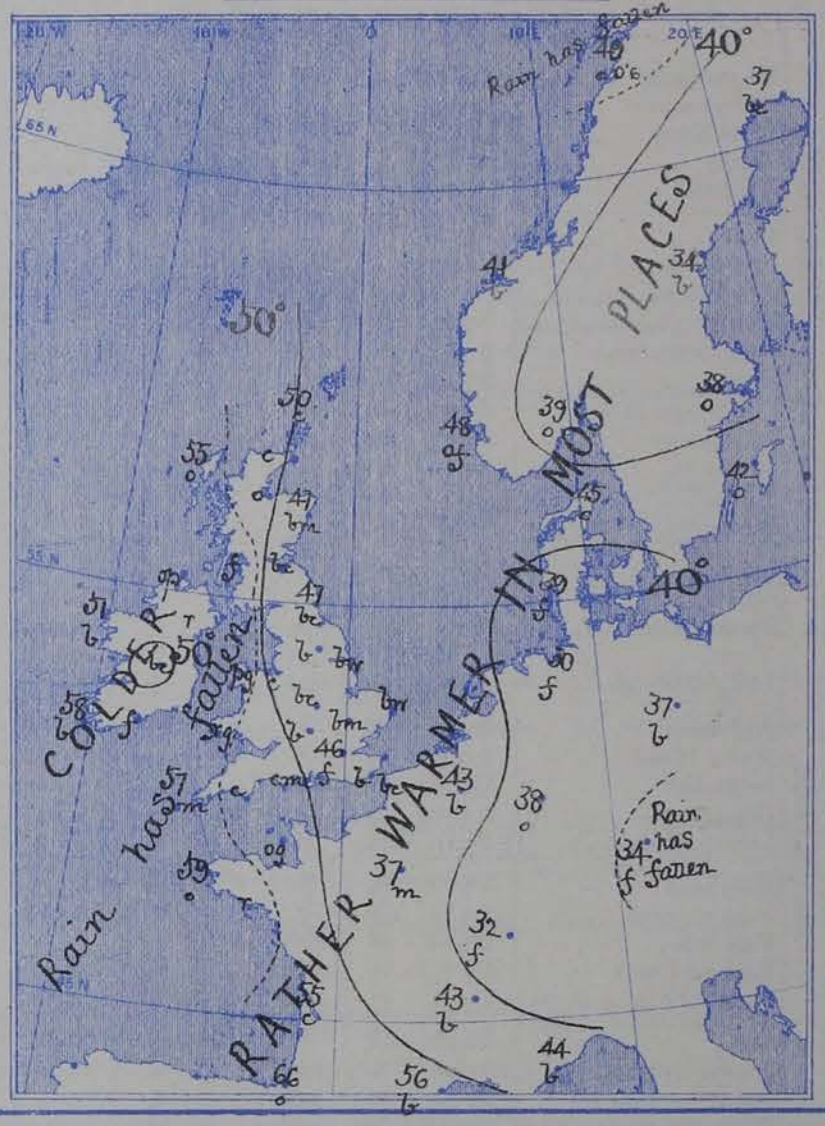


TEMPERATURE & WEATHER.

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 OCTOBER.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.	1866—95.	Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 712	45 · 9	44 · 2	49 · 7	41 · 6	60	1882	26	1875	4 31	—	—
Stornoway	29 · 743	45 · 4	44 · 3	50 · 8	40 · 3	67	1895	26	1880	5 · 15	84 · 1	27
Wick	29 · 747	46 · 1	44 · 5	51 · 6	40 · 4	64	1883, 94	22	1885	3 · 14	—	—
Nairn	29 . 763	44 · 5	42 · 6	51 · 9	40 · 0	69	1895	20	1885	2 · 51	—	—
Aberdeen	29 · 779	45 · 4	43 · 4	52 · 3	41 · 1	74	1883	25	1880	3 · 05	97 · 5	31
Leith	29 · 805	46 · 4	44 · 5	54 · 5	41 · 4	69	1882	25	1894	2 · 03	—	—
Shields	29 · 826	46 · 9	45 · 1	53 · 2	42 · 2	67	1875, 76, 82, 90	27	1890, 92, 95	2 · 58	—	—
Spurn Head	29 847	48 · 8	47 · 3	53 · 3	45 · 5	66*	1882, 90, 95	33*	1887, 95	2 · 33	—	—
York	29 · 862	45 · 6	44 · 2	54 · 4	41 · 0	70	1883, 95	24	1880, 95	2 · 74	87 · 3	27
Loughborough	29 · 886	45 · 6	44 · 3	55 · 6	40 · 9	77*	1886	20*	1890	2 · 83	—	—
Ardrossan	29 · 813	47 · 6	45 · 7	53 · 5	43 · 4	67	1895	26	1880	3 · 82	—	—
Malin Head	29 · 798	48 · 2	46 · 1	52 · 4	45 · 6	—	—	—	—	—	—	—
Belmullet	29 · 846	49 · 4	46 · 4	53 · 9	46 · 0	—	—	—	—	5 · 18	—	—
Donaghadee	29 · 834	47 · 6	46 · 3	53 · 6	43 · 3	65	1895	21	1892	3 · 22	—	—
Holyhead	29 · 854	50 · 1	48 · 0	54 · 6	47 · 0	71	1886	32	1892	4 · 44	—	—
Liverpool	29 · 862	47 · 6	45 · 5	53 · 7	44 · 5	72	1886	27	1895	3 · 58	—	—
Parsonstown	29 · 877	45 · 5	43 · 9	54 · 6	40 · 4	68	1873	22	1880	3 · 12	97 · 1	30
Valencia	29 · 879	51 · 0	48 · 8	55 · 3	46 · 3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5 · 57	104 · 2	32
Roche's Point	29 · 876	49 · 9	48 · 1	55 · 7	45 · 8	65	1880, 84, 86	32	1881	4 · 16	—	—
Pembroke	29 · 871	51 · 0	49 · 1	54 · 7	47 · 8	66	1872, 86	33	1895	4 · 11	103 · 4	32
Scilly	29 · 892	53 · 6	51 · 5	56 · 6	50 · 0	69	1895	38	1895	3 · 77	—	—
Prawle Point	29 · 910	51 · 0	49 · 4	56 · 5	46 · 1	68*	1882	29*	1887	3 · 78	—	—
Jersey	29 · 913	53 · 3	50 · 6	58 · 3	48 · 7	73	1876	33	1887	4 · 70	127 · 4	39
Hurst Castle	29 · 906	50 · 7	49 · 1	57 · 1	45 · 8	72	1874	27	1887	3 · 60	—	—
Dover	29 · 898	50 · 2	48 · 4	56 · 3	46 · 1	70	1886	23	1890	3 · 43	—	—
LONDON	29 · 907	47 · 5	45 · 9	56 · 6	42 · 7	80	1886	24	1890	2 · 82	70 · 1†	22†
Oxford	29 · 906	46 · 0	44 · 7	55 · 4	42 · 0	76	1886	22	1873	2 · 75	101 · 7	31
Cambridge	29 · 895	46 · 3	45 · 3	56 · 4	40 · 9	80	1886	23	1895	2 · 41	104 · 4	32
Yarmouth	29 . 874	49 · 1	47 · 6	54 · 3	44 · 6	68	1876	27	1895	3 · 11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more over South Germany and the north of Italy, and exceeding 30·1 ins: over the Continent generally and the eastern half of England.
Lowest, Below 29·9 ins: off the northwest of Scotland, and below 29·8 ins: over Ireland and the Bay of Biscay.
Gradient, slight — mainly favourable for SE and S winds, but apparently changing in the west.
Barometer has begun to rise decidedly in Ireland and the Azores, but changing little and irregularly elsewhere.

TEMPERATURE

Highest, 66° at Biarritz, 59° at Brest, 58° at Valencia (Ireland), 57° at Hunt Cattle and Pembroke, 55° at Stornoway.
Lowest, 30° at Cuxhaven, 32° at Belfort, and 40° over Germany, the Baltic and Sweden.
It rose during yesterday to between 60° and 66° over England, to 64° at Paris, and 73° at Biarritz. It has begun to fall decidedly in the west of Ireland this morning.

WIND

Light to moderate from SE. and S over England, very light and variable in Scotland and Ireland, light E over France.
Over the southern parts of Sweden it is N.

WEATHER

Fine over the Continent and the greater part of our Islands, but foggy or hazy in many places, and raining on the shores of the Irish Sea and St George's Channel.
Rain has fallen at our southern stations generally and over some of the western parts of France; over England yesterday the weather was exceedingly fine. There were more than 8 hrs of Bright Sunshine on our south coast and at Cambridge yesterday.

SEA

Moderate off our southwest coasts and in the far north, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rise of the barometer in the west points to a considerable modification in the weather over our Islands. Lower temperatures are probable shortly with unsettled weather, and in many places rain.

FORECASTS

For the 24 hours ending at NOON on 31st Oct 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Very Variable airs; misty, some rain locally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SE and Varying winds; weather changeable, fog or mist in places. Becoming milder tomorrow.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Varying airs and light breezes; rain at times.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 1030 am today to district 10 "Lower 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 ...	30·32	47	46	ESE	4	b	3
Sumburgh Head	30·06	50	50	SSE	3	o	4
Stornoway	29·92	51	51	S	1	o	0
Aberdeen	30·05	50	49	SSE	3	ogm	3
Shields	30·09	56	53	SSW	2	c	2
Ardrossan	29·96	57	54	SE	2	cm	2
Malin Head ...	29·81	58	57	SE	6	o	3
Belmullet	29·71	60	58	SSE	4	o	*
Holyhead	29·94	63	56	SE	2	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·61	61	58	SE	1	ogr	6
Scilly	29·82	58	57	SE	5	d	4
Jersey	30·04	61	56	SE	5	b	4
Hurst Castle ...	30·06	62	55	SSE	3	bcm	3
Dungeness ...	30·15	58	54	SE	3	b	2
North Foreland	30·18	58	56	SE	2	b	2
London (Westminster)	30·11	66	57	SSE	2	b	*
Yarmouth ...	30·17	55	52	SSE	3	b	2
Rochefort ...	30·08	67	59	SE	4	b	*

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

Weather in morning very fine and light over the Mediterranean and many parts of France, - quiet and foggy over Central Europe, the Baltic, the North Sea, and the eastern half of Great Britain generally, dull and rainy over Ireland and the extreme southwest of England. Rain falling later over all our western districts and some of the western parts of France, and a considerable quantity over the west of Lapland, but bright conditions prevailing over England.

Temperature risen over Ireland, fallen over England. Morning readings highest 67° both at Algiers and Bilbao, 66° at Corunna, 61° at Valencia (Ireland) 58° at Jersey. Lowest: (1) 31° at Archangel and Herrisand, 37° at Westpies; (2) 31° at Cracow, 32° at Buda Peath, Vienna and Munich; (3) 35° at Loughborough, 36° at Oxford. Rising quickly later to between 60° and 66° over England, to 64° at Paris, 73° at Biarritz.

Wind (1) light and anticyclonic overall the southern and central countries of Europe, as well as over Denmark and the Baltic; (2) SE³ over the United Kingdom - strong to a gale in force at the Irish stations, but light in the East; (3) SW² over Lapland and blowing a gale at Bodö. Gale in west subsiding later, very little change over England.

Barometer highest 30·6 ins: and more to 30·2 ins: in a large anticyclone covering nearly the whole of Europe, and having its central area over Hungary. Lowest Below 29·7 ins: off the west of Ireland, and below 30·0 ins: over Lapland. Falling a little during day over the British Islands and France, but rising in the west of Ireland towards night.

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 Sunday 31st October, 1897.

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 ...	29.93	43	S	6	b	29.51	−.67	47	42	+10	SW	6	b	*	b	*	48	36	–
	Hernösand ...	30.11	43	N	4	b	30.01	−.26	50	42	+16	WNW	6	b	*	b	*	54	32	–
	Stockholm ...	29.93	37	C	0	0	30.24	−.11	40	39	+2	SW	2	0	*	0	*	41	34	–
	Wisby	30.39	42	SW	4	0	30.31	−.05	42	41	0	W	4	0	*	0	*	43	39	–
	Karlstad ...	30.33	39	C	0	r	30.29	−.05	43	41	+5	W	2	bc	*	r	*	*	*	–
	Bodö	29.67	50	SW	6	r	29.58	−.52	41	40	−8	W	9	r	7	r	*	50	41	0.36
	Christiansund ...	30.00	55	WSW	4	0	30.32	+.17	46	42	+5	WNW	9	r	6	0	*	55	41	0.08
	Skudesnaes ...	30.29	46	SSE	4	c	30.40	+.11	45	45	−3	E	2	of	2	0.c	*	48	45	*
	Færder (Christiania Fjord)	30.32	44	W	2	0	30.32	−.02	37	37	−2	WNW	2	m	1	0	*	44	37	–
	Skagen (The Scaw)	30.35	45	C	0	0	30.34	.00	43	42	−2	WNW	1	0	0	0	*	46	39	–
	Fanö	30.34	40	C	0	0	30.39	+.09	39	39	0	C	0	m	*	0	*	41	37	–
	Sumburgh Head	30.06	52	W	3	0	?	?	43	41	−7	N	1	c	3	0	*	55	39	–
	Stornoway ...	30.14	52	W	1	0	30.37	+.50	49	49	−6	ESE	2	0	2	0	1.7	54	45	0.02
	Wick	30.29	48	NW	1	b	30.44	+.48	50	48	−3	C	0	0	0	b	*	58	46	–
	Nairn	30.16	55	C	0	c	30.40	+.46	50	49	−4	E	1	0	1	c	*	60	48	–
	Aberdeen ...	30.14	52	W	1	ogm	30.42	+.39	50	49	+3	NE	3	0g	3	bcm, ogm, r	2.3	58	47	0.07
British Islands.	Leith	30.16	51	C	0	m	30.37	+.33	51	51	+5	ENE	1	0	*	m	*	53	46	0.03
	Shields	30.16	56	C	0	m	30.35	+.26	49	49	+2	NW	1	f	2	m	*	60	46	–
	Spurn Head ...	30.18	52	SSE	2	bw	30.32	+.18	48	48	−3	E	2	fw	2	br. f	*	57	43	0.02 ‡
	York	30.17	55	S	1	b	30.33	+.21	40	40	−4	C	0	f	*	b	6.2	61	36	–
	Loughborough ...	30.18	48	ESE	1	0	30.32	+.19	36	36	−6	NE	1	ofw	*	bcm, bf	*	66	34	–
	Ardrossan ...	30.16	54	C	0	fpd	30.31	+.31	52	52	−2	NE	4	ow	2	fpd	*	55	52	0.09
	Malin Head ...	30.16	52	N	2	bc	30.27	+.33	53	53	−2	ESE	2	ofw	1	bc	*	55	50	–
	Belmullet ...	30.17	53	ENE	1	b	30.25	+.26	54	53	+3	E	3	o	*	b	*	61	50	0.01
	Donaghadee ...	30.15	55	S	1	f	30.28	+.28	54	53	−1	ENE	3	c	1	d, f	*	56	52	0.45
	Liverpool (Bidston)	30.16	56	SE	1	b	30.28	+.22	46	45	−4	ESE	2	f	?	b, f	*	57	45	–
	Holyhead ...	30.11	57	C	0	rgm	30.22	+.21	52	50	−4	ENE	2	bcm	1	0, rgm	*	59	50	0.07
	Parsonstown ...	30.16	54	NW	1	0	30.19	+.20	55	53	+6	SE	1	0	*	c, or	1.5	57	48	0.16
	Valencia ...	30.10	55	E	1	c	30.10	+.14	56	55	−2	ENE	4	rg	3	c	6.8	61	47	0.15
	Roche's Point ..	30.08	55	SSE	1	c	30.13	+.14	56	55	0	ESE	4	r	H	c	*	58	54	0.20
	Pembroke (St. Ann's Hd.)	30.08	56	SE	4	0	30.15	+.10	54	52	−3	SE	5	0	4	0	0.0	57	53	0.02
	Scilly	30.00	57	ESE	2	m	30.01	−.01	57	56	0	ESE	5	m	4	r, m, f	0.0	58	55	0.36
	Prawle Point ...	30.10	55	ESE	3	c	30.14	+.09	56	55	−1	ENE	4	c	3	c, cf	*	56	54	0.01
	Jersey (St. Aubin's)	30.10	59	SE	4	0	30.15	+.05	57	55	+1	ESE	4	ofw	3	c 0	*	60	55	–
	Hurst Castle ...	30.15	55	E	2	c	30.20	+.09	54	53	−3	ENE	3	cm	2	c	*	61	53	–
	Dungeness ...	30.18	56	SSE	3	b	30.26	+.09	54	52	0	ESE	2	b	1	b	*	60	52	–
	North Foreland	30.21	53	SSE	2	b	30.28	+.11	52	50	−2	SE	2	b	2	b	*	57	49	–
	London (Brixton) ...	30.20	53	SSE	1	bm	30.28	+.13	45	45	−1	E	1	fw	*	bm, fr	4.7	66	42	–
	Oxford	30.20	50	SE	1	b	30.28	+.14	41	41	−3	NE	1	cw	*	bm	*	62	39	–
	Cambridge ...	30.20	50	S	2	b	30.31	+.14	37	37	−7	ENE	1	fw	*	b	7.7	65	34	–
	Yarmouth ...	30.18	50	SSE	2	b	30.30	+.14	52	51	0	E	2	bmw	2	b	*	55	43	–
Germany & Holland.	Cuxhaven ...	30.30	41	C	0	m	30.37	+.09	36	36	+6	C	0	f	*	m, f	*	46	28	–
	Berlin	30.35	44	SE	1	b	30.38	+.03	31	31	−6	SSW	1	f	*	b	*	52	30	–
	Wiesbaden ...	*	*	*	*	*	30.39	.00	38	37	0	E	2	0	*	*	*	41	37	–
	Munich	30.42	36	C	0	f	30.42	+.01	33	33	−1	SE	1	f	*	f	*	36	33	–
	The Helder ...	30.26	44	SSE	1	m	30.34	+.10	39	38	+5	SE	1	f	1	m	*	52	34	0.04
Belgium.	Brussels ...	*	*	*	*	*	30.36	+.08	44	41	+1	SE	2	b	*	b	*	62	39	–
	Cape Gris Nez ..	30.19	55	SE	1	bc	30.24	+.09	49	46	−3	S	1	m	1	bc	*	61	43	–
	Paris	30.21	50	ESE	1	b	30.23	−.01	42	40	+5	E	2	b	*	b	*	64	37	–
	Brest	30.00	58	SE	3	r	?	?	57	56	−2	E	4	0	5	r	*	61	54	–
	Lorient	30.04	59	ESE	4	0	30.06	+.04	56	56	−1	SE	5	r	5	0	*	64	45	–
France &	Rochefort ...	30.04	57	SE	4	0	30.04	−.02	57	55	+2	SE	4	0	*	0	*	64	54	–
	Belfort	30.33	42	NE	4	m	30.40	−.03	32	32	0	ENE	3	f	*	m	*	51	31	–
	Lyons	30.28	53	SE	1	b	30.36	.00	43	41	0	NE	1	b	*	b	*	62	40	–
	Nice	30.36	50	C	0	b	30.38	−.01	46	41	+2	C	0	b	1	b	*	61	44	–
	Perpignan ...	30.23	60	SE	2	0	30.22	−.01	59	57	+3	S	1	0	*	0	*	65	55	–
	Biarritz ...	30.01	65	E	3	0	30.01	+.01	63	57	−3	S	3	0	2	0	*	75	57	0.32
Penin-sula.	Corunna ...																*			
	Lisbon	30.05	62	WSW	4	b	30.01	−.02	60	58	+1	ESE	3	0	*	b	*	66	57	0.35
	Azores (P. Delgada)	30.25	62	N	3	c	30.20	−.01	61	55	+3	NNW	3	c	2	c	*	64	55	–

For Explanation of Columns, see bottom of last page. ‡ Dew. † *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 0.3 hrs;

WEATHER CHARTS

FOR SUNDAY, 31st OCTOBER, 1897.

BAROMETER, WIND AND SEA.

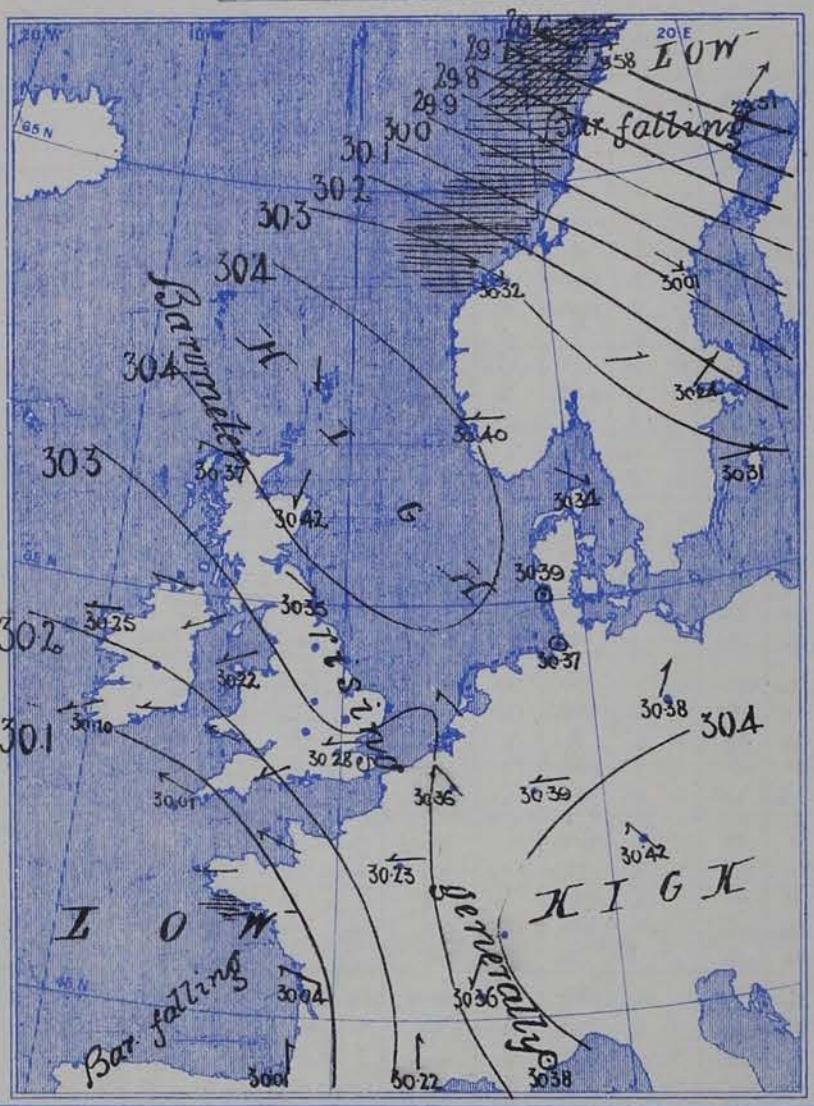
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

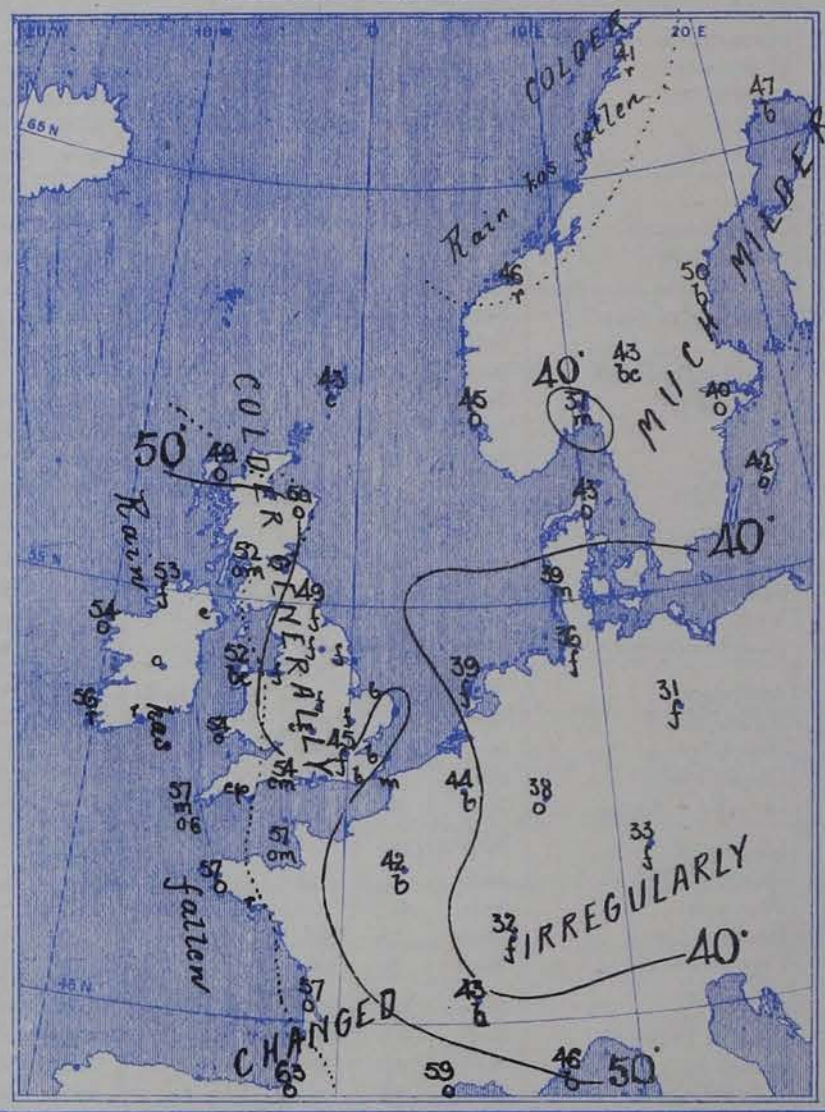


TEMPERATURE & WEATHER.

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 OCTOBER.*

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	29·712	45·9	44·2	49·7	41·6	60	1882	26	1875	4·31	—	—
Stornoway	29·743	45·4	44·3	50·8	40·3	67	1895	26	1880	5·15	84·1	27
Wick	29·747	46·1	44·5	51·6	40·4	64	1883, 94	22	1885	3·14	—	—
Nairn	29·763	44·5	42·6	51·9	40·0	69	1895	20	1885	2·51	—	—
Aberdeen	29·779	45·4	43·4	52·3	41·1	74	1883	25	1880	3·05	97·5	31
Leith	29·805	46·4	44·5	54·5	41·4	69	1882	25	1894	2·03	—	—
Shields	29·826	46·9	45·1	53·2	42·2	67	1875, 76, 82, 90	27	1890, 92, 95	2·58	—	—
Spurn Head	29·847	48·8	47·3	53·3	45·5	66*	1882, 90, 95	33*	1887, 95	2·33	—	—
York	29·862	45·6	44·2	54·4	41·0	70	1883, 95	24	1880, 95	2·74	87·3	27
Loughborough	29·886	45·6	44·3	55·6	40·9	77*	1886	20*	1890	2·83	—	—
Ardrossan	29·813	47·6	45·7	53·5	43·4	67	1895	26	1880	3·82	—	—
Malin Head	29·798	48·2	46·1	52·4	45·6	—	—	—	—	—	—	—
Belmullet	29·846	49·4	46·4	53·9	46·0	—	—	—	—	5·18	—	—
Donaghadee	29·834	47·6	46·3	53·6	43·3	65	1895	21	1892	3·22	—	—
Holyhead	29·854	50·1	48·0	54·6	47·0	71	1886	32	1892	4·44	—	—
Liverpool	29·862	47·6	45·5	53·7	44·5	72	1886	27	1895	3·58	—	—
Parsonstown	29·877	45·5	43·9	54·6	40·4	68	1873	22	1880	3·12	97·1	30
Valencia	29·879	51·0	48·8	56·3	46·3	65	1873, 76, 77, 78, 79, 80, 82, 86	28	1892	5·57	104·2	32
Roche's Point	29·876	49·9	48·1	55·7	45·8	65	1880, 84, 86	32	1881	4·16	—	—
Pembroke	29·871	51·0	49·1	54·7	47·8	66	1872, 86	33	1895	4·11	103·4	32
Scilly	29·892	53·6	51·5	56·6	50·0	69	1895	38	1895	3·77	—	—
Prawle Point	29·910	51·0	49·4	56·5	46·1	68*	1882	29*	1887	3·78	—	—
Jersey	29·913	53·3	50·6	58·3	48·7	73	1876	33	1887	4·70	127·4	39
Hurst Castle	29·906	50·7	49·1	57·1	45·8	72	1874	27	1887	3·60	—	—
Dover	29·898	50·2	48·4	56·3	46·1	70	1886	23	1890	3·43	—	—
LONDON	29·907	47·5	45·9	56·6	42·7	80	1886	24	1890	2·82	70·1†	22†
Oxford	29·906	46·0	44·7	55·4	42·0	76	1886	22	1873	2·75	101·7	31
Cambridge	29·895	46·3	45·3	56·4	40·9	80	1886	23	1895	2·41	104·4	32
Yarmouth	29·874	49·1	47·6	54·3	44·6	68	1876	27	1895	3·11	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·4 ins. and more (1) over the SW. of Norway, the Shetlands, and the NE. of Scotland and (2) over S. Germany and the N. of Italy.
Lowest (1) below 30·0 ins. over the Bay of Biscay and (2) below 29·5 ins. over Lapland & the Kola peninsula.
Gradients steep over all the Nrn. parts of Scandinavia, slight to moderate elsewhere and were favourable for E. winds over our Islands and France. Barometer falling a little over the Bay of Biscay rising over France and our Islands, falling fast over Finland & the N. of Sweden.

TEMPERATURE

Highest 63° at Biarritz, 57° at Scilly, 56° at Valencia, 53° at Malin Hd. 50° at Aberdeen & at Hernösand
Lowest (1) 31° at Berlin 32° at Belfort 33° at Munich; (2) 37° at Faerder, 40° at Stockholm, (3) 36° at Loughborough, 37° at Cambridge.
It rose to 66° at Loughborough and in London yesterday, and to 65° at Cambridge, and 60° at Nairn; Brussels reported 62°, Paris 64°, and Biarritz 75°; but at Munich the maximum rose only to 36°

WIND

E. over France and our Islands — rather fresh at our western stations, light elsewhere.
SE. over the Bay of Biscay. Nearly calm over the North Sea and the Shetlands, but W. over the northern half of Scandinavia, and blowing a gale both at Bodö & Christiansund.
The SE. and S. winds reported at our stations yesterday have completely died down.

WEATHER

Dull over Portugal and the SW. of France, showery on the coast of Brittany and at several of our SWrn. stations, very rainy in the NW. of Norway. Elsewhere it was fair as a whole, but fog prevailed over most parts of England, Germany and the SE of France.
Considerable rain has fallen at Lisbon and Biarritz on the one hand and in the NW of Norway on the other, and smaller quantities in the W. and N. of our Islands.
Bright Sunshine ranges from about 2 hrs in Scotland to about 8 hrs at Cambridge, but at Pembroke and Scilly there was more.

SEA

High off the NW of Norway, moderate off our SWrn. coasts, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 1ST NOVEMBER 1897.

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 ...	30·28	47	45	SSE	6	o	4
Sumburgh Head	29·98	54	50	NNW	3	o	4
Stornoway	30·03	54	54	W	2	o	2
Aberdeen	30·06	58	54	SSW	2	bcm	1
Shields	30·10	59	55	SSW	2	bcm	2
Ardrossan	30·06	54	54	W	o	apf	0
Malin Head ...	30·07	53	?	NW	1	bc	0
Belmullet	30·08	56	55	NNW	2	c	*
Holyhead	30·06	59	57	S	1	ogm	1
Valencia	30·03	59	55	W	0	c	2
Scilly	29·98	57	57	E	1	rf	3
Jersey	30·06	59	54	ESE	3	c	4
Hurst Castle ...	30·12	59	56	ESE	3	c	2
Dungeness ...	30·17	59	55	SSE	3	b	2
North Foreland	30·14	56	54	SSE	2	b	2
London (Westminster)	30·15	64	55	S	2	b	*
Yarmouth ...	30·17	55	53	SSE	2	b	2
Rochefort ...	30·04	60	56	SE	4	o	*

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

Weather in morning fair and quiet over the whole of central and many parts of Nth. Europe, the North Sea and the eastern half of Gt. Britain, but foggy at many of the Continental stations; very hazy over England, dull and rainy in Wales and the W. and NW. of England, and on the coasts of Brittany. Some rain falling later in all the last named districts and a considerable quantity both in the W. of Lapland and the S. of Portugal. Remaining fine elsewhere and fog clearing temporarily in many places.

Temperature changing very fitfully. Morning readings highest 68° at Algiers, 66° at Coruna and Biarritz, 59° at Brest, 58° at Valencia (Ireland), 57° at Hurst Castle, 55° at Malin Hd. and Stornoway. Lowest (1) 30° to 35° over the greater part of central Europe; (2) 34° at Hernösand, 37° at Haparanda, 38° at Karlstad; (3) 42° to 44° over the central parts of England. Rising later to between 62° and 66° over England, and touching 75° at Biarritz, but not to nearly so high a value over central Europe.

Wind Light and anticyclonic over Nth. and central Europe as a whole, moderate to fresh from SE. over the Bay of Biscay and the South of our islands, light from S. in the north – NE. ½ at Valencia. The SE. ½ wind dying down later, and N. ½ to NE. ½ airs setting in over the N. of Ireland.

Barometer highest 30·5 ins. to 30·1 ins. over almost the whole of Continental Europe and the Eastn. half of England. Lowest Below 29·8 ins. at Archangel; and below 29·9 ins. in two shallow depressions – one off the NW. of Scotland the other somewhat to the northwestward of Coruna. Latter system moving northeastwards 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.

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ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		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.
1	Corunna	30·10	58	NW	4	f	30·10		60	57		NW	4	0	4	f	-	64	50	-
4	Corunna	30·40	63	N	2	b	30·34	-	59	54	-	NE	2	b	3	b	-	68	54	-
5	Corunna	30·25	66	NE	3	b	30·20	-·14	54	49	- 5	NE	2	b	3	b	-	66	46	-
6	Faerder	30·54	42	SW	4	b	30·49	-·16	43	41	+ 2	WNW	4	b	2	b	-	48	41	-
8	Haparanda	30·05	43	W	2	b	30·04	-·06	44	43	- 1	S	0	0	-	b	-	46	43	-
..	Corunna	30·10	67	NE	6	b	30·15	-	52	47	-	NE	1	b	2	b	-	68	45	-
11	Corunna	30·23	63	NE	1	b	30·17	-	52	48	-	NE	1	b	3	b	-	64	46	-
12	Corunna	30·13	62	NE	1	b	30·09	-·08	50	46	- 2	NE	3	b	3	b	-	66	45	-
13	Corunna	30·04	66	NE	3	b	29·91	-·18	50	47	0	NE	1	b	3	b	-	68	45	-
14	Azores (P. Delgada)	30·03	63	ENE	4	0	29·80	-·21	66	62	+ 2	W	5	0	6	0	-	68	63	-
16	Corunna	29·46	64	SW	6	bc	29·85	-	59	55	-	SSW	3	b	3	bc	-	66	52	-
18	Corunna	29·93	69	SSW	6	b	29·97	-	65	59	-	S	7	0	3	b	-	70	57	-
19	Corunna	30·01	68	NW	1	0	29·94	-·23	60	55	- 5	N	1	0	3	0	-	72	54	-
..	Lisbon	30·05	63	SSE	2	b	30·11	-·01	61	59	+ 2	ENE	3	0	..	b	-	70	59	-
20	Corunna	30·18	68	S	3	b	30·23	+·49	62	54	+ 2	NE	3	b	2	b	-	73	52	-
..	Azores (P. Delgada)	30·05	67	SSE	4	c	29·99	-·05	66	63	+ 1	ESE	4	0	-	c	-	70	64	-
22	Corunna	30·01	67	NE	4	b	29·86	-	57	52	-	ENE	2	b	2	b	-	70	48	-
23	Corunna	29·89	65	SSE	4	b	29·86	·00	54	48	- 3	E	3	b	2	b	-	66	46	-
25	Corunna	29·75	64	NE	3	b	29·91	-	54	49	-	NE	2	b	2	b	-	66	45	-
26	Corunna	29·94	66	SE	3	b	30·09	+·18	61	57	+ 7	SE	3	b	2	b	-	73	52	-
27	Corunna	30·07	66	SE	3	0	30·16	+·07	64	62	+ 3	SE	1	0	2	0	-	77	59	-
28	Corunna	30·22	64	SE	6	?	30·03	-·13	62	57	- 2	SE	3	bc	2	?	-	79	55	008
30	Corunna	30·02	69	SW	4	bc	29·82	-	66	60	-	S	4	0	2	bc	-	73	57	-
31	Corunna	29·94	65	SW	1	b	30·02	+·20	55	52	- 11	SW	3	0	4	b	-	68	50	-
	.....																			-
	.....																			-
	.....																			-

REPORTS FOR OCTOBER 1897.

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.
3	Leith	-	-	-	-	-	-	-	-	49	-	-	-	-	-	-	-	-	-	-
..	Spurn Head	-	-	-	-	-	-	-	51	49	- 5	-	-	-	-	-	-	-	51	-
4	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-
5	Jersey 2pm	-	-	-	-	-	-	-	57	-	-	-	-	-	-	-	-	-	-	-
6	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-
..	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-
7	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	-
8	Bodö	?29.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Prawle Point	30.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	York	30.01	-	-	-	-	30.10	-.05	-	-	-	-	-	-	-	-	-	-	-	-
10	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	45	-
12	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
-	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-
13	Nairn	-	-	-	-	-	29.73	-.17	-	-	-	-	-	-	-	-	-	-	-	-
..	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-
..	Aberdeen 2pm	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-
14	Roche's Point	-	-	-	-	-	-	-	-	-	-	SW	-	-	-	-	-	-	-	-
..	North Foreland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-
-	Ardrossan 2pm	-	-	-	-	-	29.63	-	43	40	-	-	-	-	-	-	-	-	-	-
15	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63
16	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
8	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23
..	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10
19	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
21	Prawle Point	?30.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Liverpool	-	-	-	-	-	30.58	-	-	-	-	-	-	-	-	-	-	-	-	-
23	York	-	-	-	-	-	30.39	-.22	-	-	-	-	-	-	-	-	-	-	-	-
..	Jersey	30.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Ardrossan	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	53	40	-
25	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
26	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
27	Valencia	-	-	-	-	-	-	-	59	-	+1	-	-	-	-	-	-	-	-	-
-	Ardrossan 2pm	-	-	-	-	-	-	-	55	54	-	-	-	-	-	-	-	-	-	-
28	Ardrossan	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-	-
..	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
..	Malin Hd	-	-	-	-	-	29.58	-.18	-	-	-	-	-	-	-	-	-	-	-	-
30	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
..	Pembroke	-	-	-	-	-	30.00	+.03	-	-	-	-	-	-	-	-	-	-	-	-
..	Scilly	-	-	-	-	-	29.94	+.08	-	-	-	-	-	-	-	-	-	-	-	-
31	Stockholm	30.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Sumburgh Hd	-	-	-	-	-	30.42	+.49	-	-	-	-	-	-	-	-	-	-	-	-
..	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-
..	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-