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 Sunday, 1st August, 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 ...	30·09	57	SW	0	b	30·07	+·03	61	51	−1	N	3	b	*	b	*	72	57	-
	Hernösand ...	30·10	63	S	2	b	30·08	−·09	64	57	0	NE	2	b	*	b	*	72	61	-
	Stockholm ...	30·03	66	NNE	4	o	29·96	−·10	68	63	−7	NE	4	o	*	o	*	79	59	-
	Wisby	29·95	67	ESE	4	o	29·82	−·17	65	64	−5	E	6	o	*	o	*	73	57	-
	Karlstad ..	30·01	73	ENE	2	b	30·01	−·04	68	58	0	NNE	4	b	*	b	*	*	*	-
	Bodo	30·20	51	WSW	1	c	30·21	−·05	52	49	−3	N	2	c	1	c	*	55	48	0·08
	Christiansund ...	30·21	56	NE	3	o	30·09	−·09	57	53	+6	NE	3	c	2	o	*	59	52	-
	Skudesnaes ...	30·08	59	NNW	6	c	30·05	−·09	60	56	+1	NNW	2	b	1	c	*	64	55	*
	Færder (Christiania Fjord)	29·99	73	NNE	1	c	30·01	−·04	68	64	+2	ENE	2	b	3	c	*	73	64	-
	Skagen (The Scaw)	29·97	69	E	1	b	29·97	−·04	66	63	+1	NNE	2	b	0	b	*	77	63	-
	Fanö	29·91	61	NE	1	b	29·90	−·12	65	63	+3	NE	2	b	*	b	*	72	61	-
	Sumburgh Head	30·19	56	S	1	o	30·11	−·14	58	55	+3	SE	1	b	2	c.o	*	62	53	-
	Stornoway ..	30·11	60	E	1	o	30·03	−·14	59	58	+1	W	0	o	0	o	1·7	61	52	-
	Wick	30·18	58	S	3	o	30·13	−·12	57	56	−3	S	3	m	2	o	*	65	51	-
	Nairn	30·11	69	W	0	b	30·07	−·14	58	58	−3	W	0	m	0	b	*	72	50	-
	Aberdeen ...	30·20	56	SE	2	c	30·13	−·13	54	53	−4	SE	2	o	1	b.c	6·3	65	53	-
	Leith	30·15	64	ESE	3	b	30·12	−·13	58	57	o	ENE	1	o	*	b	*	67	55	-
	Shields	30·19	58	E	2	c	30·13	−·13	58	56	o	NE	2	c	2	b.c	*	64	51	-
	Spurn Head ...	30·16	58	N	4	o	30·08	−·16	57	57	−2	N	4	cv	4	ov	*	61	55	-
	York	30·18	68	NE	1	b	30·12	−·14	59	54	−3	N	1	b	*	b	4·2	71	48	-
	Loughborough ...	30·15	70	NNE	3	b	30·12	−·13	57	53	−4	NE	2	c	*	be, b, o	*	73	54	-
BRITISH ISLANDS	Ardrossan ...	30·10	71	NW	1	bc	30·09	−·12	62	62	+2	NNE	1	cm	1	bc	*	74	57	-
	Malin Head ...	30·09	64	E	2	c	30·08	−·09	62	61	−2	WNW	1	cm	0	bc.c	*	65	59	-
	Belmullet ...	30·11	65	WSW	1	b	30·10	−·07	61	59	−4	WNW	1	o	*	o, bc	*	69	58	-
	Donaghadee ...	30·13	63	SSW	2	c	30·10	−·11	60	59	+1	SE	3	bcm	1	c	*	66	55	-
	Liverpool (Bidston)	30·09	74	E	3	b	30·07	−·14	62	57	−3	ESE	3	b	2	bm	*	77	55	-
	Holyhead ...	30·10	65	NW	1	b	30·07	−·11	66	62	+2	W	0	bm	0	b	*	68	56	-
	Parsonstown ...	30·06	78	W	0	c	30·06	−·10	63	62	o	W	0	m	*	c	5·7	79	59	-
	Valencia ...	30·07	64	N	1	om	30·06	−·08	64	62	+2	SSW	1	cm	2	cm.o	5·3	67	56	..
	Roche's Point ..	30·09	65	SE	1	bc	30·06	−·10	65	63	+1	SSE	2	m	2	bc	*	70	58	-
	Pembroke (St. Ann's Hd.)	30·09	70	NW	2	c	30·06	−·11	62	61	−2	SSE	3	c	2	c	10·5	70	59	-
	Scilly	30·05	66	ESE	3	bc	30·00	−·13	62	58	+1	E	5	o	3	b.bc	9·6	71	58	-
	Prawle Point ...	30·08	61	ENE	4	c	30·04	−·13	59	56	−10	ENE	4	c	3	c	*	71	56	-
	Jersey (St. Aubin's)	30·04	67	ENE	5	cg	30·00	−·15	62	59	−7	ENE	4	cm	3	bc.cg	*	73	59	-
	Hurst Castle ...	30·10	65	S	2	b	30·07	−·11	57	54	−13	NE	3	ogm	2	bm.b	*	76	57	-
	Dungeness ...	30·08	62	NE	4	c	30·02	−·13	58	53	−4	N	3	o	2	c	*	66	56	-
	North Foreland	30·12	61	N	3	c	30·04	−·15	60	58	−1	N	5	o	4	c	*	63	57	-
	London (Brixton) ...	30·10	71	NE	2	b	30·09	−·11	59	55	−8	NNE	1	o	*	b	13·5	78	52	-
	Oxford	30·12	63	NE	1	bv	30·08	−·13	56	53	−10	NE	2	bc	*	b	*	73	50	-
	Cambridge ...	30·14	68	NE	3	b	30·09	−·14	58	54	−2	N	2	o	*	b	9·4	74	50	-
	Yarmouth ...	30·14	60	N	3	cv	30·05	−·15	59	57	o	NNE	4	cg	4	bcv.cv	*	62	55	-
GERMANY & HOLLAND.	Cuxhaven ...	29·93	65	NW	4	bc	29·86	−·15	63	62	+1	NE	4	c	*	bc	*	66	57	-
	Berlin	29·81	67	WSW	1	c	29·80	−·04	62	60	−1	NNW	2	o	*	c	*	75	57	0·08
	Wiesbaden ...	*	*	*	*	*	29·94	−·09	62	56	+2	N	2	c	*	*	*	73	54	-
	Munich... ..														*		*			
	The Helder ...	30·04	60	N	5	o	29·96	−·15	60	58	o	N	4	bc	1	o	*	61	57	-
BELGIUM.	Brussels ...	*	*	*	*	*	29·99	−·12	60	57	−1	NNW	2	o	*	b	*	66	54	0·04
	Cape Gris Nez..	30·06	60	NE	4	o	30·00	−·11	59	58	−1	ENE	3	m	3	o	*	61	55	-
	Paris	30·08	66	N	2	b	30·00	−·12	57	57	−3	N	2	bc	*	b	*	68	53	-
	Brest	29·94	74	E	3	bc	29·93	−·20	62	59	−1	E	3	o	1	be	*	82	57	-
	Lorient... ...	29·95	73	NE	4	c	29·92	−·16	61	57	−1	ENE	4	c	2	c	*	82	55	-
FRANCE &	Rochefort ...	29·90	79	E	4	bc	29·85	−·17	66	64	+2	ENE	3	c	*	bc	*	88	64	-
	Belfort	29·92	68	W	0	m	29·91	−·15	55	54	−3	E	1	f	*	m	*	72	50	-
	Lyons	29·90	73	N	2	b	29·90	−·12	62	58	+2	NW	1	b	*	b	*	77	54	-
	Nice	29·85	67	SE	4	b	29·86	−·01	70	64	+1	W	0	b	0	b	*	77	63	-
	Perpignan ...	29·84	73	E	2	b	29·84	−·11	69	69	−3	NE	2	o	*	b	*	83	64	0·08
	Biarritz ...	29·77	82	E	3	b	29·86	−·05	71	68	+7	WSW	6	o	3	blr	*	88	50	-
PENINSULA.	Corunna ...																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30·18	70	W	0	b	30·09	−·12	70	66	−1	SSW	4	o	4	b	*	75	68	-

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

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

Bright Sunshine yesterday Southport 11·4 hrs;

WEATHER CHARTS

FOR Sunday 1st August, 1897.

BAROMETER, WIND AND SEA.

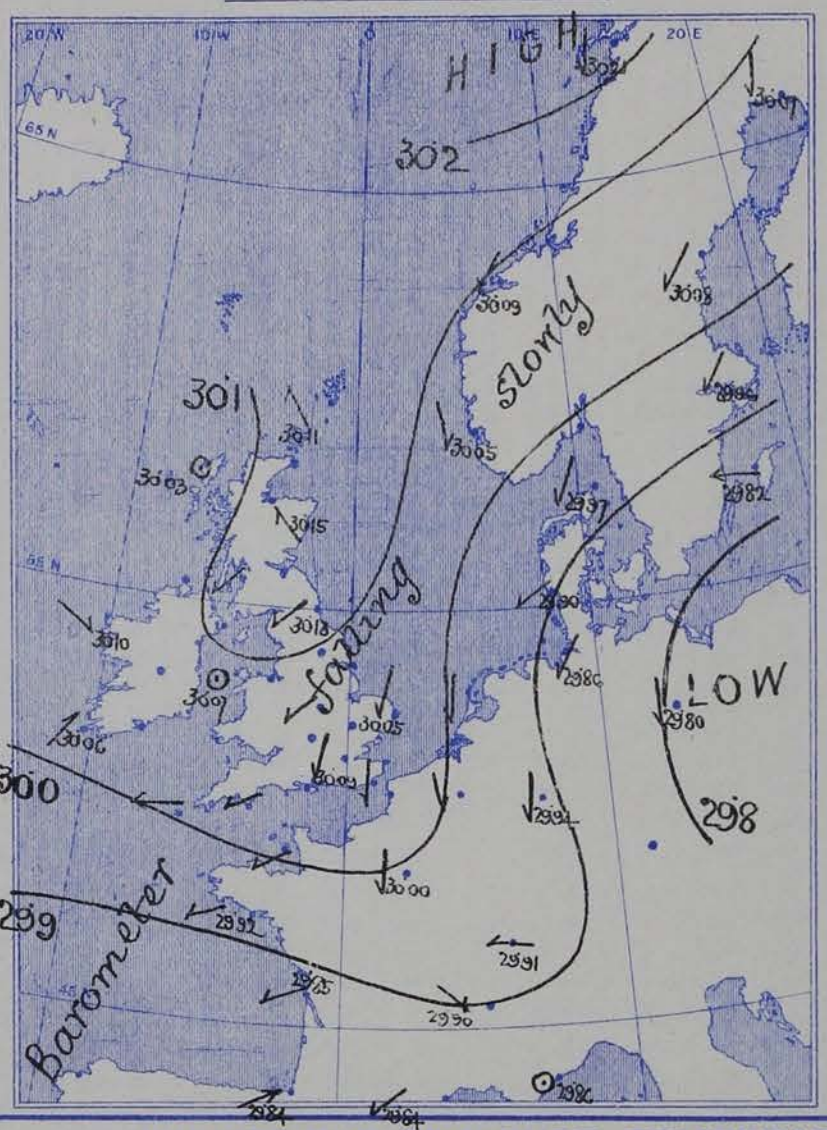
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

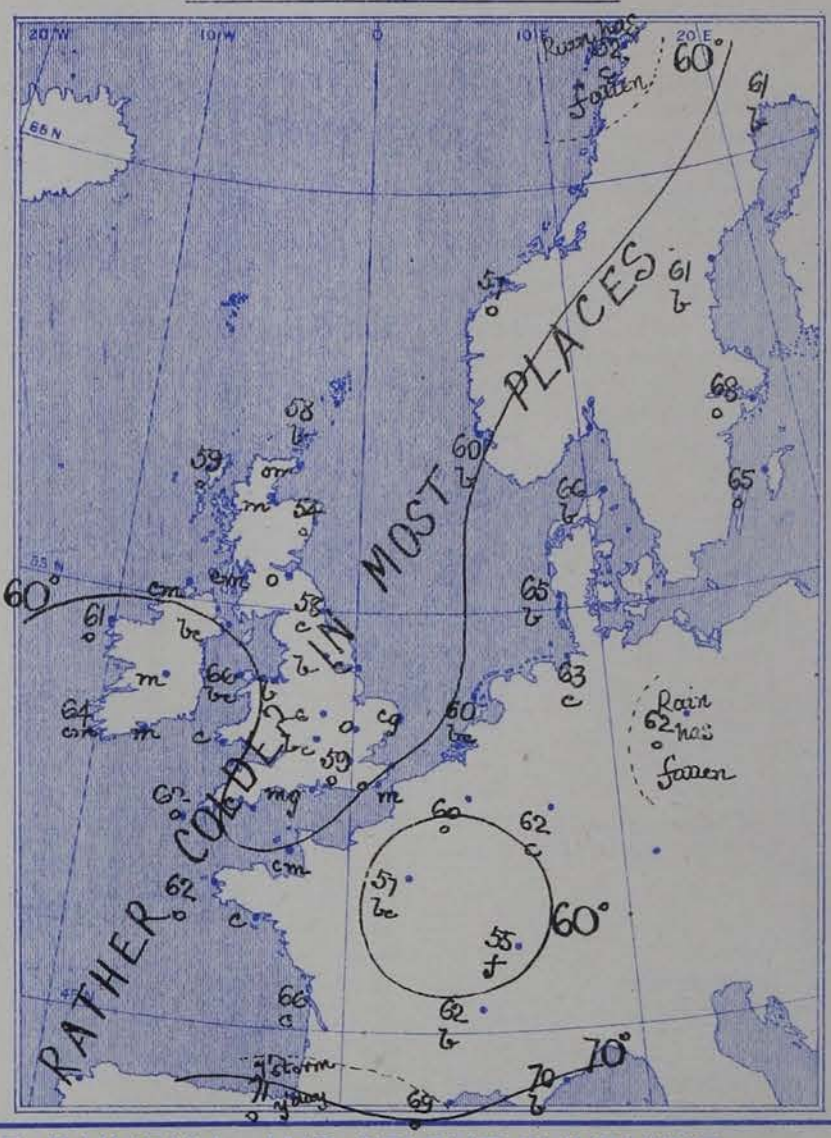


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 upwards in the N.W. of Norway, 30.1 ins. and upwards in a long band extending thence over the N^rn. parts of the North Sea, the E. and S. of Scotland & the extreme N. of England.
Lowest 29.8 ins. and less in a depression over the Baltic and E. of Germany; 29.9 ins. and less over the south of France.
Gradients slight. Barometer falling a little in most places, but inclined to rise in the S. of France.

TEMPERATURE

Highest (1) 71° at Biarritz, 70° at Nice, 69° at Perpignan; (2) 68° at Stockholm, Karlstad & Faerder.
Lowest 52° at Bodö, 54° at Aberdeen, 56° at Oxford, and 57° at Christiansund, Wick, Spurn Hd. & Longborough.
During yesterday the thermometer rose to 70° and upwards in many parts of our Islands to 78° in London and to 79° at Parsonstown.

WIND

Light to moderate from the N^wd. or NE^wd. over the eastern and central parts of England and also over the western parts of the Continent generally.
Light from the S^wd. or SE^wd. on many parts of our W^rn. and N^rn. coasts, but W^ly in the NW. of Ireland.

WEATHER

Fine over the central parts of our Islands and France, as well as at most of the Scandinavian and Danish stations.
Cloudy or dull in other localities, with mist at several of our own S^rn. W^rn. and extreme N^rn. stats.
A little rain fell yesterday in some parts of Belgium, Germany and the S. of France, and a thunderstorm occurred at Biarritz.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 2ND AUGUST, 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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·10	64	58	NNW	1	bc	3	Valencia	30·11	66	63	NW	2	cm	2
Sumburgh Head	30·23	59	54	SW	1	c	1	Scilly	30·08	70	64	E	3	b	2
Stornoway	30·15	59	58	S	3	o	4	Jersey	30·09	71	65	ENE	4	bc	3
Aberdeen	30·22	62	57	SE	3	b	3	Hurst Castle ...	30·13	72	66	SSE	3	b	2
Shields	30·22	62	59	E	3	b	2	Dungeness ...	30·13	65	60	NE	4	c	3
Ardrossan	30·15	70	59	NW	3	b	2	North Foreland	30·17	62	59	N	4	c	4
Malin Head ...	30·13	63	61	E	3	bc	1	London (Westminster)	30·14	73	62	NE	3	b	#
Belmullet	30·15	68	69	E.S.E	1	o	#	Yarmouth ...	30·17	62	58	NNE	4	bcv	3
Holyhead	30·16	67	63	NNW	2	b	1	Rochefort ...	29·96	86	?	E	4	b	#

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

Weather in morning cloudy or dull over the more northern parts of the United Kingdom and also over the Netherlands and the N.E. of France; rainy in Austria and S. Germany, as well as at Wisby. Fine in most other parts of Europe, but dull in the W.^rn and S.^rn parts of the Spanish peninsula. Sky clearing later at many of our own northern stations. Slight rain falling in several parts of Belgium, Germany and the S. of France, and a thunderstorm occurring at Biarritz.

Temperature changed very irregularly. Morning readings highest (1) 82° at Spaa, 80° at Barcelona, 79° at Constantinople, and 78° at Palma and Algiers; (2) 75° at Stockholm, and 73° at Memel; touching 70° at Hurst Castle and very little below it at some of the other English Channel stations. Lowest (1) 51° at Christiansund, and 55° at Bodö and Sumburgh Hd. (2) 52° at Munich, 56° at Buda Pesth, and 57° at Vienna. Rising during day to between 70° and 75° in many parts of the United Kingdom, and to 79° at Parsonstown. Exceeding 80° in the west and south of France, and reaching 88° at Biarritz.

Wind light from the N.^wd or NE.^wd in most parts of Gt. Britain and France; rather variable in Ireland, but chiefly E.^ly or SE.^ly. N.^ly (NW.^ly to NE.^ly) over Finland, Scandinavia, Denmark and N. Germany; W.^ly in south Germany. Light and variable over southern Europe generally. No important change occurring over W.^rn Europe during day.

Barometer highest 30·2 ins. and upwards in an anticyclone extending from the northward over all but the southern and southwestern parts of Gt. Britain, 30·0 ins. and upwards over Algeria and the neighbouring parts of the Mediterranean. Lowest 29.8 ins. and less in a small shallow depression over the N.E. of Austria, and also in a larger disturbance over the extreme S.E.^rn parts of Europe; 29.9 ins. and less in the extreme N. of Russia, and also in a depression over the Spanish peninsula. Spanish depression subsequently moving slightly N.^wds; barometer falling in most parts of W.^rn Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 2nd August, 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 ...	30·06	53	SW	0	b	30·12	+·05	57	50	-4	NNW	2	b	*	b	*	70	52	-
	Hernösand ...	30·06	59	SW	0	b	30·15	+·07	62	58	-2	N	2	b	*	b	*	75	50	-
	Stockholm ...	30·01	66	E	2	o	30·04	+·08	67	62	-1	NE	2	b	*	o	*	73	63	-
	Wisby	29·91	64	E	4	o	29·94	+·12	62	60	-3	NE	6	bc	*	o	*	73	55	-
	Karlstad ...	29·99	71	NE	2	b	30·10	+·09	67	57	-1	NNE	2	b	*	b	*	*	*	-
	Bodö	30·23	49	NE	1	b	30·19	-·02	53	49	+1	N	2	b	1	b	*	55	45	-
	Christiansund ...	30·12	58	NE	3	b	30·12	+·03	55	53	-2	SW	0	b	1	b	*	63	52	-
	Skudesnaes ...	30·02	60	N	6	c	30·08	+·03	62	57	+2	N	2	b	1	c	*	66	55	*
	Færder (Christiania Fjord)	29·94	72	NW	2	b	30·11	+·10	68	60	0	ENE	1	b	1	b	*	75	66	-
	Skagen (The Scaw)	29·95	67	N	1	b	30·06	+·09	67	62	+1	E	1	b	0	b	*	75	63	-
	Fanö	29·92	65	NNE	3	b	29·97	+·07	66	63	+1	NE	3	b	*	b	*	†	60	-
British Islands.	Sumburgh Head	30·09	58	SE	2	bc	30·06	-·05	58	57	0	SE	1	o	2	bc. br	*	61	53	0·23
	Stornoway ...	30·04	61	SW	0	r	30·08	+·05	58	57	-1	SW	2	otl	2	o.r	1·6	67	55	0·24
	Wick	30·09	58	E	1	o	30·13	·00	59	57	+2	S	1	ot	0	o.t	*	65	52	0·01
	Nairn	30·03	63	ENE	1	o	30·06	-·01	62	61	+4	SW	0	o	0	o.t	*	66	52	-
	Aberdeen ...	30·10	58	SSE	1	bc	30·10	-·03	66	59	+12	S	1	b	1	bc	5·0	66	54	-
	Leith	30·08	64	SW	0	o	30·10	-·02	63	60	+5	SW	0	bm	*	o	*	66	55	-
	Shields	30·09	60	E	2	bc	30·12	-·01	64	59	+6	E	1	m	2	bc	*	64	50	-
	Spurn Head ...	30·07	59	NNE	4	c	30·11	+·03	60	60	+3	N	3	bvw	3	ev	*	64	55	-
	York	30·09	75	NNE	1	b	30·13	+·01	60	58	+1	N	1	b	*	b	10·8	76	48	-
	Loughborough ...	30·04	75	NE	3	b	30·14	+·02	62	57	+5	NE	2	b	*	bm.bc	*	79	51	-
	Ardrossan ...	30·03	67	NNW	1	of	30·13	+·04	63	63	+1	W	1	cf	0	of	*	72	57	-
	Malin Head ...	30·06	61	N	1	of	30·14	+·06	58	58	-4	N	1	of	0	of	*	65	57	0·01
	Belmullet ...	30·10	62	N	1	o	30·18	+·08	61	58	0	N	1	o	*	o	*	63	53	-
	Donaghadee ...	30·06	65	SW	2	bc	30·14	+·04	62	60	+2	NW	3	cm	1	bc	*	69	53	-
	Liverpool (Bidston)	30·01	69	SW	0	bc	30·11	+·04	71	57	+9	ESE	1	b	1	bc	*	76	57	-
	Holyhead ...	30·05	63	NNW	2	c	30·10	+·03	61	63	+1	SW	0	fwb	0	c	*	69	56	-
	Parsonstown ...	30·03	75	SW	0	bc	30·12	+·06	64	61	+1	NW	1	bc	*	o.bc	0·6	75	60	-
	Valencia ...	30·05	64	NW	3	om	30·13	+·07	63	61	-1	N	2	ogm	3	om	1·6	72	61	-
	Roche's Point ..	30·05	63	SE	1	f	30·11	+·05	66	64	+4	NNE	2	m	2	cf	*	68	61	-
	Pembroke (St. Ann's Hd.)	30·02	67	NE	4	bf	30·09	+·03	64	59	+2	E	3	bm	2	b	9·5	67	59	-
	Scilly	30·03	63	ENE	3	c	30·05	+·05	64	62	+2	NNE	2	omw	2	c	7·4	66	58	0·01
	Prawle Point ...	30·00	60	NE	3	bc	30·08	+·04	62	59	+3	ENE	3	c	2	bc	*	64	55	-
	Jersey (St. Aubin's)	29·95	63	ENE	4	om	30·07	+·07	61	60	-1	NE	4	og	3	og.om.b	*	65	59	-
	Hurst Castle ...	30·01	72	S	0	bm	30·08	+·01	60	58	+3	NE	3	om	2	bm	*	70	56	-
	Dungeness ...	29·99	63	NNE	4	bc	30·05	+·03	61	60	+3	NE	3	o	3	o.bc	*	69	57	-
	North Foreland	30·01	60	NNE	3	o	30·08	+·04	61	60	+1	NNE	3	o	2	bc. o	*	64	58	-
	London (Brixton) ...	29·98	73	NNE	1	bv	30·10	+·01	58	56	-1	N	2	o	*	bv. bc	7·5	78	54	-
	Oxford	30·03	65	NNE	3	b	30·13	+·05	56	54	0	NNE	2	o	*	b	*	76	53	-
	Cambridge ...	30·02	70	N	2	b	30·12	+·03	59	57	+1	N	2	o	*	b	9·2	74	53	-
	Yarmouth ...	30·02	63	N	3	b	30·07	+·02	63	61	+4	N	3	b	3	b	*	64	57	-
Germany & Holland.	Cuxhaven ...	29·85	66	N	3	bc	29·92	+·06	65	63	+2	NE	3	c	*	bc	*	73	63	-
	Berlin	29·79	66	NNW	2	c	29·86	+·06	63	61	+1	NNE	1	c	*	c	*	70	57	-
	Wiesbaden ...	*	*	*	*	*	29·91	-·03	66	63	+4	NW	2	o	*	*	*	70	59	-
	Munich... ..	29·95	58	S	0	bc	29·97		63	57		W	3	o	*	bc	*	68	52	-
	The Helder ...	29·95	61	NNE	3	c	30·00	+·04	69	61	+3	NNE	2	b	1	c	*	63	60	-
Belgium.	Brussels ...	*	*	*	*	*	30·02	+·03	61	59	+1	N	1	o	*	o	*	72	57	-
	Cape Gris Nez ..	30·01	60	ENE	4	o	30·02	+·02	60	59	+1	NE	3	o	2	o	*	64	55	-
	Paris	29·92	68	NE	2	b	29·99	-·01	63	61	+6	N	2	o	*	b	*	?	?	-
	Brest	29·92	68	NE	4	bc	30·04	+·11	59	59	-3	NE	2	o	1	bc	*	82	52	-
	Lorient... ...	29·91	66	NNE	3	c	29·98	+·06	61	59	0	NE	4	b	3	c	*	82	57	-
France &	Rochefort ...	29·82	86	ENE	2	b	29·98	+·13	65	61	-1	ENE	4	bc	*	bc	*	86	61	-
	Belfort	29·86	69	ENE	3	m	29·95	+·04	59	58	+4	E	2	m	*	m	*	74	51	-
	Lyons	29·80	77	NNE	1	bc	29·91	+·05	65	59	-3	N	1	b	*	bc. l	*	82	62	-
	Nice	29·82	69	SW	2	c	29·83	-·03	71	67	+1	SW	0	b	2	c	*	78	66	-
	Perpignan ...	29·82	77	SE	2	c	29·90	+·06	73	64	+4	W	2	o	*	c	*	83	68	-
	Biarritz ...																*			
Peninsula.	Corunna ...																*			
	Lisbon	30·02	67	NW	4	b	30·02		70	64		NNW	4	c	*	b	*	71	66	-
	Azores (P. Delgada)	30·00	71	SSW	1	o	29·93	-·16	69	68	-1	SW	4	o	5	o	*	75	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 11·4 hrs;

WEATHER CHARTS

FOR Monday, 2ND August, 1897.

BAROMETER, WIND AND SEA.

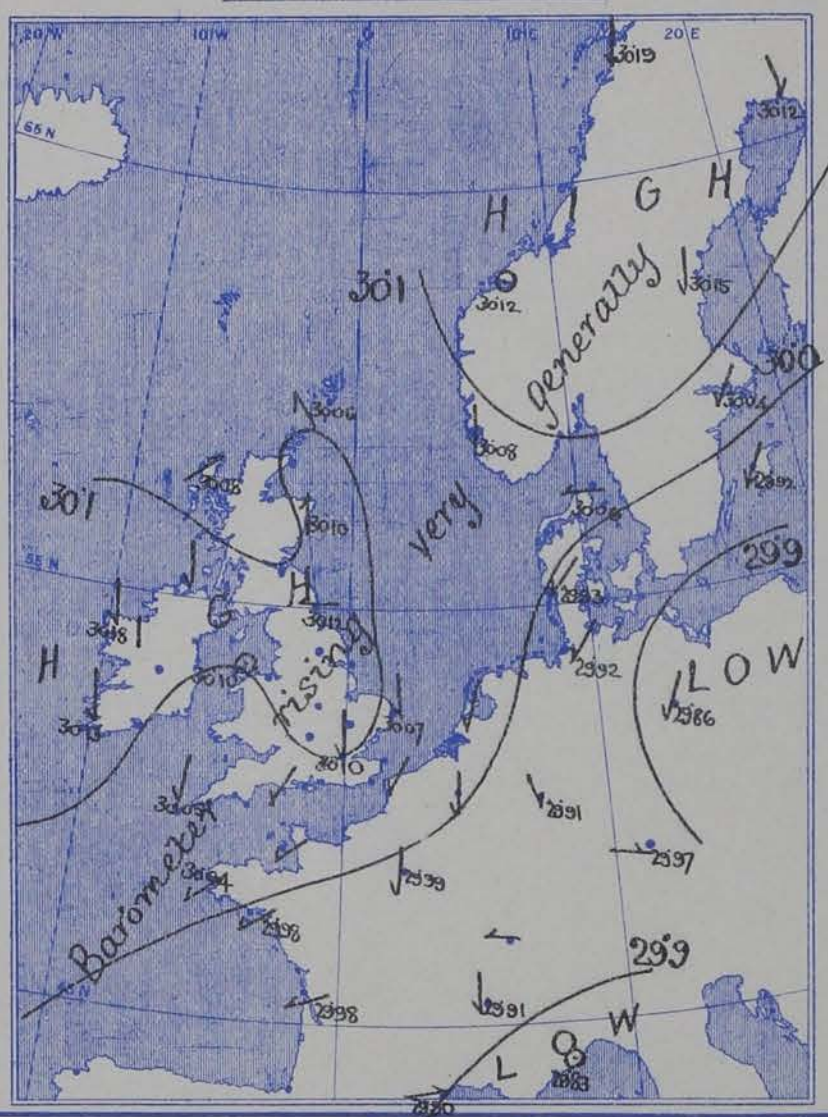
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▬

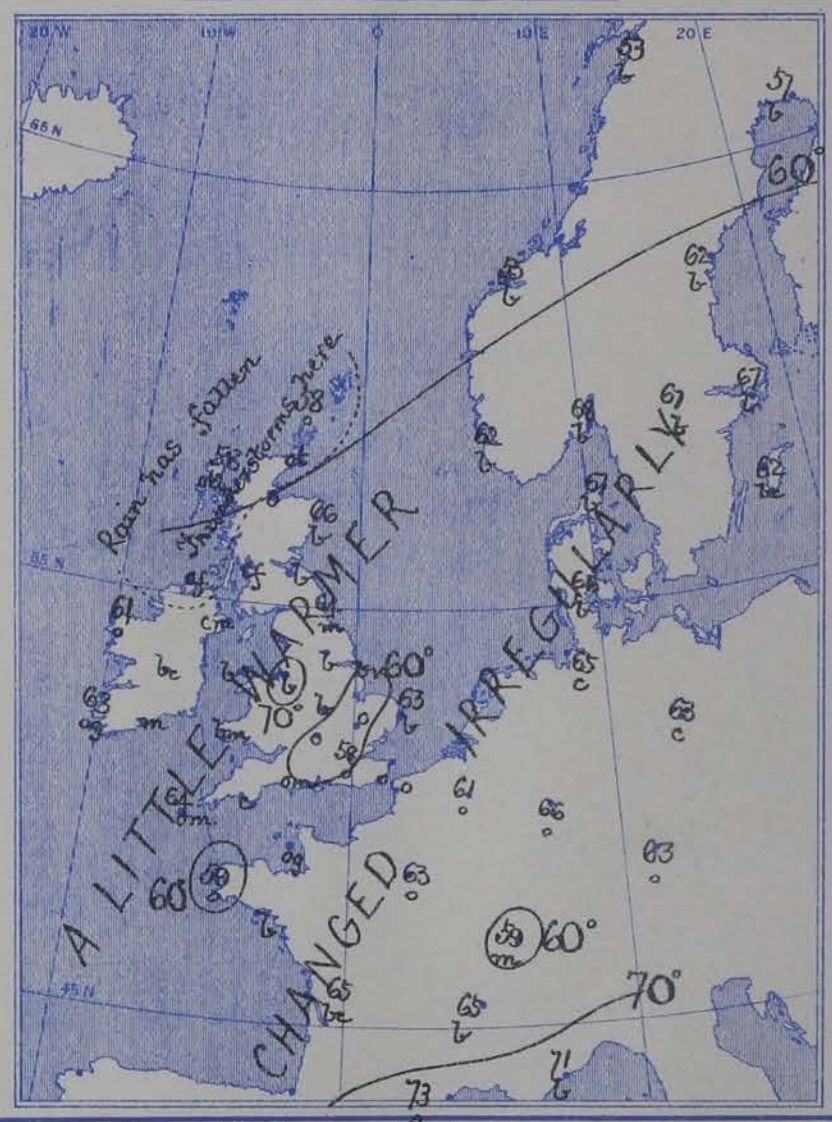


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 upwards in two large areas, – one embracing a considerable portion of our islands, and the other lying over Scandinavia.
Lowest 29.9 ins. and less over the south of France and the eastern parts of Germany.
Gradients slight. Barometer rising generally.

TEMPERATURE — Highest (1) 73° at Perpignan, 71° at Nice, and 70° at Lisbon; (2) 71° at Liverpool, and 67° at Holyhead (3) 68° at Faerder, and 67° at Stockholm, Karlstad and Skagen.
Lowest (1) 53° at Bodö, 55° at Christiansund, and 57° at Haparanda, (2) 56° at Oxford, & 58° in London
During yesterday the thermometer rose to 75° and upwards at several of the English stations to 78° in London, and 79° at Loughborough.

WIND — Light from the N. pwds. or NE. wds. over western Europe as a whole, but S. by W. in the N. and E. of Scotland
Calm or W. by W. in the southern parts of France and Germany.

WEATHER — Fine over England and the W. parts of the Continent generally, but dull in a few places.
Dull in Ireland and the W. of Scotland, with fog or mist in several places; thunderstorm reported at Stornoway, and thunder only at Wick.
Thunderstorms occurred last night or early this morning over the N. of Scotland generally and lightning was seen at Lyons. Over W^rn Europe as a whole the weather has, however, remained quiet and very dry.

SEA — Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our islands appears to be increasing steadily in size and height, and the weather is likely to continue fair and dry in most districts.

FORECASTS

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

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. by W. to SW. by W. winds, light, thunder-showers at first, then fair.	6	SCOTLAND WEST	Light variable airs, fair generally but some fog or mist.
1	SCOTLAND EAST	Light variable airs, fine, warm.	7	ENGLAND N.W.	
2	ENGLAND N.E.	Same as No. 5.	8	ENGLAND S.W.	NE. by W. winds, light; fair generally but some fog or mist
3	ENGLAND EAST		9	IRELAND NORTH	N. by W. winds, light, fair generally, but some fog or mist.
4	MIDLAND COUNTIES		10	IRELAND SOUTH	
5	ENGLAND SOUTH	NE. by W. winds, light, fine, warm.		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 ...	30·06	65	60	N	6	6	2
Sumburgh Head							
Stornoway	30·03	65	64	W	0	0	0
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·08	61	60	N	1	of	0
Belmullet	30·10	62	60	N	1	0	*
Holyhead							
Valencia							
Scilly							
Jersey	30·00	63	60	ENE	3	0	3
Hurst Castle ...							
Dungeness ...	30.00	65	59	NE	4	0	3
North Foreland	30.02	64	61	NNE	4	60	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.89	82	79	E	2	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 JULY 25TH to 31ST 1897.

During the earlier half of last week the weather over N.W. Europe was influenced partly by a well marked depression which moved very slowly eastwards along the N. of Scotland and to a greater extent by some secondary disturbances which passed quickly across our Islands and the North Sea. The prevailing winds were therefore W. (SW. to NW) and on some parts of our west and south coasts they occasionally blew with considerable strength, the weather being in a very changeable, showery condition generally, especially in the more W. and N. districts. Thunderstorms occurred in many parts of England on the 25th and 26th over our E. and SE. counties on the 27th; while thunder only was reported on those days at some of the Irish and Scotch stations.

On the 28th, however, the depression in the N. filled up and shortly afterwards a large anticyclone spread over our Islands from the S. and SW. The wind now fell light and towards the end of the week, when the central portion of the anticyclone moved northwards, it shifted to the NE. very generally, the weather becoming fair and dry in all parts of W. Europe. Over the central counties, however, where the conditions were influenced by depressions which formed over Austria the weather was extremely wet, the aggregate rainfall at Vienna for the four days ending with Saturday morning being as much as 6·4 ins., of which nearly 3·3 ins. fell on Thursday.

The temperatures registered over our Islands last week were as a rule in excess of the normal. Over the central parts of G. Britain the thermometer on the 30th rose slightly above 80°.

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 Tuesday August 3rd 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 ...	30·10	55	S	0	b	30·03	−·09	59	55	+2	S	2	b	*	b	*	70	48	—
	Hernösand ...	30·13	63	ENE	2	b	30·09	−·06	63	57	+1	SW	2	o	*	b	*	72	50	—
	Stockholm ...	30·14	63	NE	2	b	30·15	+·11	68	61	+1	ESE	2	c	*	b	*	77	57	0·04
	Wisby	30·08	61	NE	4	b	30·15	+·21	61	59	−1	N	4	c	*	b	*	72	55	—
	Karlstad ...	30·11	70	SW	1	b	30·12	+·02	69	62	+2	SW	2	o	*	b	*	*	*	0·20
	Bodö	30·09	55	NE	2	b	30·06	−·13	54	52	+1	SW	2	+	1	b	*	59	48	0·01
	Christiansund ...	30·15	58	S	0	m	30·21	+·09	55	55	+2	W	3	o	2	m	*	61	55	0·16
	Skudesnaes ...	30·16	66	NNW	2	b	30·26	+·18	61	57	−1	NNW	4	bc	1	b	*	72	54	*
	Farder (Christiania Fjord)	30·12	71	W	2	c	30·13	+·02	69	66	+1	S	0	c	0	c	*	75	66	—
	Skagen (The Scaw)	30·15	69	N	1	bc	30·17	+·11	67	64	0	WSW	1	b	0	bc	*	77	59	—
	Fanö	30·12	64	S	0	b	30·20	+·23	64	60	−2	NE	2	b	*	b	*	82	57	—
	Sumburgh Head	30·13	59	W	1	o	30·24	+·18	55	54	−3	S	0	o	2	o	*	60	51	0·05
	Stornoway ...	30·18	64	NW	3	bc	30·23	+·15	57	56	−1	S	0	o	0	c. bc	8·7	66	50	—
	Wick	30·23	60	NE	1	b	30·30	+·17	59	56	0	S	0	o	0	bb	*	68	48	—
	Nairn	30·18	65	E	1	bc	30·23	+·17	62	60	0	W	1	o	1	bc	*	67	53	—
	Aberdeen ...	30·20	60	NE	1	ogf	30·28	+·18	59	56	−1	E	1	og	1	obbr.ogf	6·6	70	57	0·11
	Leith	30·12	67	S	0	o	30·25	+·15	61	60	−2	ENE	2	o	*	o	*	73	57	—
	Shields	30·15	63	E	2	bc	30·25	+·13	63	60	−1	ENE	1	m	2	b. bc	*	66	54	—
	Spurn Head ...	30·16	63	NE	3	b	30·26	+·15	55	55	−5	ENE	1	fb	3	b f. c	*	67	54	0·01
	York	30·13	79	ESE	1	b	30·25	+·12	65	56	+5	SE	1	fb	*	b	11·3	84	47	—
	Loughborough ...	30·12	82	NE	2	b	30·25	+·11	64	58	+2	S	0	bo	*	bc. mb	*	85	46	—
	Ardrossan ...	30·16	64	NW	3	c	30·21	+·08	63	62	0	NNE	3	bf	1	c f	*	68	57	—
	Malin Head ...	30·20	60	E	1	bc	30·20	+·06	59	58	+1	E	3	cm	0	c. bc	*	62	53	—
	Belmullet ...	30·21	64	NE	1	b	30·15	−·03	65	63	+4	ESE	1	o	*	b	*	69	58	—
	Donaghadee ...	30·19	61	NW	3	b	30·22	+·08	58	56	−4	NW	3	bc	1	b	*	65	54	—
	Liverpool (Bidston)	30·13	71	N	1	b	30·21	+·10	72	61	+1	SE	2	b	1	b	*	80	59	—
	Holyhead ...	30·16	64	WNW	2	b	30·19	+·09	64	61	−3	S	0	bf	0	b	*	74	55	—
	Parsonstown ...	30·14	74	NW	1	bc	30·18	+·06	64	60	0	S	0	bc	*	bc. o	8·3	74	56	—
	Valencia ...	30·14	65	S	0	om	30·13	0·0	64	62	+1	S	0	bf	2	bc. iom	3·8	71	56	—
	Roche's Point ..	30·15	69	SE	1	bc	30·19	+·08	64	61	−2	SE	3	bc	3	bc. m	*	70	58	—
	Pembroke (St. Ann's Hd.)	30·12	70	N	2	b	30·18	+·09	66	63	+2	E	3	bm	2	b	14·3	73	59	—
	Scilly	30·13	66	ESE	1	b	30·15	+·10	67	64	+3	E	2	bcw	1	bc. b	13·6	71	61	—
	Prawle Point ...	30·14	61	SSW	2	c	30·18	+·10	70	63	+8	ENE	2	b	1	c	*	71	59	—
	Jersey (St. Aubin's)	30·10	68	ENE	3	b	†30·14	+·10	71	62	+10	NE	3	b	3	c. b. rom	*	71	55	—
	Hurst Castle ...	30·11	69	SW	3	bm	30·20	+·12	67	63	+7	NE	1	bm	1	bm	*	75	58	—
	Dungeness ...	30·08	65	ENE	3	bc	30·18	+·13	65	62	+2	ENE	3	c	2	b. bc	*	70	58	—
	North Foreland	30·12	65	N	2	b	30·23	+·15	62	61	+1	N	3	o	2	b	*	68	57	—
	London (Brixton) ...	30·09	79	NE	2	b	30·23	+·13	61	59	+3	NE	2	om	*	bc. bf	10·6	84	55	—
	Oxford	30·14	70	ENE	2	b	30·23	+·10	60	57	+4	N	1	b	*	b	*	82	51	—
	Cambridge ...	30·13	77	NNE	2	bf	30·26	+·14	59	58	0	NNE	1	om	*	bf	11·5	82	49	—
	Yarmouth ...	30·12	66	NNE	3	b	30·23	+·16	60	59	−3	NNE	3	f	3	b	*	69	57	—
Germany & Holland.	Cuxhaven ...	30·04	70	NNE	1	bc	30·17	+·25	66	64	+1	NE	1	b	*	bc	*	72	64	—
	Berlin	29·97	69	NNW	2	c	30·06	+·20	65	61	+2	NNW	3	o	*	c	*	75	63	—
	Wiesbaden ...	*	*	*	*	*	30·14	+·23	66	62	0	N	1	bc	*	*	*	77	61	—
	Munich	30·02	61	NE	2	c	30·12	+·15	59	58	−4	W	2	f	*	c	*	70	55	0·04
	The Helder ...	30·08	69	NNE	3	b	30·20	+·20	66	64	+3	NE	1	fb	1	b	*	68	63	—
Belgium.	Brussels ...	*	*	*	*	*	30·14	+·15	69	63	+6	ENE	3	b	*	b	*	78	58	—
	Cape Gris Nez ...	30·06	63	NE	3	b	30·15	+·13	62	62	+2	ENE	4	f	4	b	*	66	55	—
	Paris	30·01	75	NNE	2	bc	30·13	+·14	62	61	−1	N	2	f	*	bc	*	77	55	—
	Brest	30·08	65	NE	1	b	30·13	+·09	60	59	+1	S	0	bf	1	b	*	72	54	—
	Lorient	30·05	71	W	1	bc	30·12	+·14	63	61	+2	NE	3	b	2	bc	*	84	57	—
France &	Rochefort ...	30·00	73	NNE	4	bc	30·12	+·21	68	66	+3	NE	3	b	*	b. bc	*	84	64	—
	Belfort	29·89	69	NNW	2	o	30·02	+·07	62	61	+3	NE	3	m	*	o	*	76	53	—
	Lyons	29·91	72	NNW	1	o	29·99	+·08	68	63	+3	N	3	b	*	o	*	80	63	—
	Nice	29·89	69	S	0	c	29·87	+·04	66	63	−3	E	4	c	0	c	*	79	63	—
	Perpignan ...	29·93	71	W	2	fb	30·01	+·11	72	61	−1	W	2	b	*	fb	*	80	66	0·08
	Biarritz ...	30·00	72	W	4	c	30·05	+·04	68	65	0	SW	3	c	2	c	*	77	66	0·59
Penin-sula.	Corunna ...																*			
	Lisbon	30·03	68	NNW	5	b	30·04	+·02	71	65	+1	NNW	4	b	*	b	*	81	64	—
	Azores (P. Delgada)	30·06	69	W	3	bc	30·12	+·19	69	63	0	WNW	2	b	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 14·2 hrs;

WEATHER CHARTS

FOR ..... TUESDAY, ... 3RD August, 1897.

BAROMETER, WIND AND SEA.

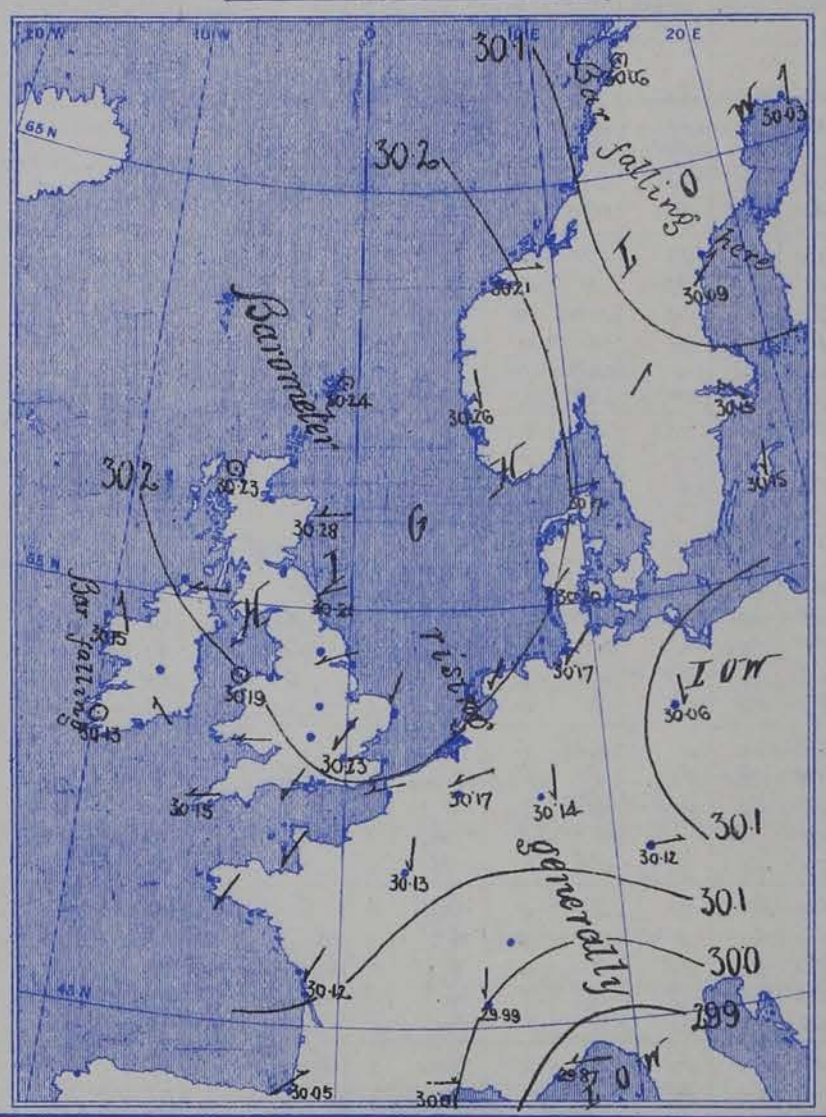
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▓


20 W
10 W
0
10 E
20 E
65 N
55 N
45 N
30·1
30·2
Bar falling
Barometer
Bar falling
Rain
Rain
Rain
Rain
Thunderstorms
Thunderstorms
Thunderstorms

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·2 ins. to 30·3 ins. in an anticyclone lying over Gt. Britain, the North Sea and the southwestern parts of Norway.
Lowest 29·9 ins. and less in the extreme southeast of France.
Gradients slight. Barometer rising a little in most places, but falling slightly in the W. of Ireland, and also over the northern parts of Scandinavia

TEMPERATURE

Highest (1) 72° at Liverpool, 71° at Jersey, and 70° at Prawle Pt.; (2) 72° at Perpignan, and 71° at Lisbon; (3) 69° at Faerder and Karlstad, and 68° at Stockholm.
Lowest 54° at Bodo, 55° at Stumbnigh Hd. and Spurn Hd., 57° at Christiansund and Stornoway, and 58° at Donaghadee.
During yesterday the thermometer rose to 80° and upwards at several of the English stations and to 85° at Loughborough.

WIND

Light from the NE. by N. or E. by N. over the greater part of our Islands, France and the Netherlands, but SE. by E. or S. at some of the Irish stations, and calm in the north of Scotland.
Light from the W. by N. or SW. by N. over the northern parts of Scandinavia.

WEATHER

Fair or fine over W. Europe generally, but foggy on several parts of our own coasts, and also at Cape Gris Nez, Paris and Munich.
Dull in the N. and E. of Scotland, as well as at many of the Scandinavian stations, with rain at Bodo.
A little rain fell yesterday in the N. and E. of Scotland, as well as at several of the Scandinavian stations and in the S.W. parts of France and Germany. A thunderstorm occurred at Aberdeen, and thunder only at Wick, and also at Perpignan.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any very decided change in the weather, but the slight fall of the barometer which has set in over Ireland may possibly indicate the approach of some depressions towards our western coasts.

FORECASTS

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	30·13	72	63	N	2	b	1
Sumburgh Head	30·12	57	55	W	2	O	3
Stornoway	30·13	66	62	W	3	c	4
Aberdeen	30·16	60	58	NE	1	otlr	1
Shields	30·15	63	60	E	3	b	2
Ardrossan	30·13	67	67	NW	3	cf	2
Malin Head ...	30·20	61	60	N	1	c	0
Belmullet	30·21	66	60	N	1	c	*
Holyhead	30·15	67	63	WNW	2	b	1
Valencia	30·14	70	67	WNW	1	bcm	2
Scilly	30·12	70	65	E	2	bc	1
Jersey	30·09	67	63	E	2	c	3
Hurst Castle ...	30·10	73	67	SW	3	bm	1
Dungeness ...	30·09	67	63	ENE	3	b	2
North Foreland	30·11	67	64	N	2	b	2
London (Westminster)	30·08	81	65	N	2	b	*
Yarmouth ...	30·11	68	64	NNE	4	b	3
Rochefort ...	29·95	79	76	NW	3	b	*

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

Weather in morning fine over the greater part of our Islands and the Continent, but dull in places; fog or mist reported on several parts of our own W.m coasts, and thunderstorms in the N. of Scotland. Dull in Poland and Austria, with rain at Vienna, and also at Constantinople. A little rain falling later in the N. and E. of Scotland, as well as at several of the Scandinavian stations, and in the southern parts of France and Germany. Thunderstorms occurring at Aberdeen, and thunder only at Wick, as well as at Perpignan.

Temperature risen a little in most places. Morning readings highest 83° at Algiers, 82° at La Calle, 80° at Athens, and 78° at Brindisi; above 70° over S.rn Europe generally, and also at Liverpool; above 65° in Denmark and the S. of Scandinavia. Lowest (1) 53° at Bodo, 54° at Archangel, and 55° at Christiansund; (2) 56° at Oxford, and 58° in London. Rising during day to 70° and upwards in many parts of Ireland and Scotland, and to between 80° and 85° over the inland parts of England, as well as at some stations in the W. and S. of France.

Wind light from between N. and E. over Ireland, England and the W.rn and N.rn parts of the Continent generally, but S.ly in the north and east of Scotland. W.ly over south Germany and Austria, and also in the extreme S. of France; variable in Italy; N.ly or NW.ly over the Spanish Peninsula. Subsequently becoming very variable in the southwest of our Islands; NW.ly breezes setting in over the Irish Sea and the W. of Scotland.

Barometer highest 30.1 ins. and upwards in two large areas,—one embracing a considerable portion of our Islands and the other lying over Scandinavia. Lowest 29.7 ins. and less in a very large, but shallow depression over the S. of Russia. The two high pressure areas uniting later, and barometer rising slowly over W.rn Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 4th August, 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.		Weath'.	Barometer.		Temperature.			Wind.		Weathe'	Sea	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° ahr. and M. S. L.	Change since Yester-day.	Dry Bulb.	Wet Bulb.	Change since Yester-day.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...														#		#			
	Hernösand ...														#		#			
	Stockholm ...														#		#			
	Wisby														#		#			
	Karlstad ...														#		#	#	#	
	Bodö	30·10	53	SW	6	r	30 13	+·07	53	50	- 1	SW	4	c	2	r	#	57	48	0·28
	Christiansund ...	30·28	57	NNW	2	0	30·26	+·05	56	52	- 1	W	1	c	1	0	#	59	55	-
	Skudesnaes ...	30·28	60	NNW	2	b	30·28	+·02	59	55	- 2	W	0	b	1	c,b	#	66	57	#
	Færder (Christiania Fjord)	30·10	73	NNW	2	0	30·20	+·07	65	59	- 4	NE	3	b	2	0	#	73	64	-
	Skagen (The Scaw)	30·13	65	NW	1	bc	30·19	+·02	67	61	0	N	3	b	2	bc	#	73	61	-
	Fanö	30·24	63	NW	2	b	30·24	+·04	65	61	+ 1	NW	4	b	#	b	#	17	59	-
	Sumburgh Head	30·27	57	W	0	0	30·10	-·14	58	57	+ 3	ESE	2	0	4	c, 0	#	60	51	-
	Stornoway ...	30·15	61	E	3	0	30·00	-·23	60	59	+ 3	W	0	c	0	0	1·7	63	54	-
	Wick	30·28	56	SE	3	0	30·07	-·23	66	64	+ 7	W	0	m	0	0	#	66	53	-
	Nairn	30·16	63	SE	3	0	30·05	-·18	58	58	- 4	W	0	f	0	0	#	71	52	-
	Aberdeen ...	30·22	60	SSE	2	c	30·11	-·17	65	61	+ 6	S	2	bcm	1	c, f	2·2	65	52	-
	Leith	30·19	63	ENE	1	0	30·11	-·14	57	57	- 4	ENE	1	m	#	0	#	64	55	-
	Shields	30·20	62	E	2	c	30·15	-·10	65	62	+ 2	SSW	2	c	2	c	#	67	58	-
	Spurn Head ...	30·24	61	ESE	3	b	30·18	-·08	65	63	+ 10	ESE	3	b	3	f, bw	#	65	55	-
	York	30·22	79	ESE	1	b	30·19	-·06	66	62	+ 1	E	1	b	#	b	13·7	84	56	-
	Loughborough ...	30·19	79	ENE	3	b	30·16	-·09	68	64	+ 4	ESE	1	bw	#	b, bmw	#	84	54	-
BRITISH ISLANDS.	Ardrossan ...	30·12	70	N	2	bf	30·06	-·15	68	67	+ 5	NE	2	cf	1	be, bf	#	74	56	-
	Malin Head ...	30·10	70	SE	2	cm	29·99	-·21	68	64	+ 9	E	2	bcm	0	c. cm	#	70	58	-
	Belmullet ...	30·12	72	SW	1	0	29·94	-·21	64	61	- 1	SSE	3	c	#	b. 0	#	76	57	-
	Donaghadee ...	30·15	63	NNW	2	m	30·07	-·15	62	60	+ 4	ESE	2	m	0	m	#	65	53	-
	Liverpool (Bidston)	30·15	77	ESE	2	b	30·09	-·12	69	64	- 3	ESE	3	b	2	b	#	84	61	-
	Holyhead ...	30·14	68	NW	1	bcm	30·06	-·13	71	67	+ 7	W	0	bcm	0	bc. bcm	#	71	60	-
	Parsonstown ...	30·08	76	SE	1	c	29·98	-·20	66	62	+ 2	SE	1	c	#	c	4·5	79	56	-
	Valencia ...	30·05	69	SE	3	cm	29·89	-·24	65	61	+ 1	SSE	5	cm	4	cm	3·4	75	62	0·01
	Roche's Point ...	30·12	66	SE	2	bc	29·98	-·21	63	61	- 1	SSE	3	m	3	bc	#	70	61	-
	Pembroke (St. Ann's Hd.)	30·12	70	SSE	3	bc	30·03	-·15	66	64	0	ESE	4	b	3	ba	13·0	73	61	-
	Scilly	30·10	69	ESE	3	c	29·98	-·17	65	62	- 2	SE	3	0	2	c, f	12·1	72	60	-
	Prawle Point ...	30·16	62	ENE	2	c	30·05	-·13	69	65	- 1	ENE	1	bcm	4	c. m	#	72	60	-
	Jersey (St. Aubin's)	30·13	71	NE	3	b	30·06	-·08	73	67	+ 2	W	0	bm	0	b	#	74	62	-
	Hurst Castle ...	30·17	72	W	0	bm	30·10	-·10	73	69	+ 6	ENE	1	bm	2	bm	#	76	65	-
	Dungeness ...	30·16	68	ENE	4	b	30·11	-·07	67	64	+ 4	ENE	3	b	2	b	#	71	62	-
	North Foreland	30·21	64	NNE	3	b	30·15	-·08	68	67	+ 6	E	2	b	2	b	#	68	60	-
	London (Ecrixton) ...	30·19	74	NE	3	b	30·12	-·11	71	66	+ 10	E	2	b	#	b	8·4	81	60	-
	Oxford	30·18	71	SE	1	b	30·12	-·11	72	66	+ 12	E	1	b	#	b	#	79	57	-
	Cambridge ...	30·19	80	E	2	b	30·16	-·10	70	66	+ 11	ESE	1	b	#	b	9·8	86	53	-
	Yarmouth ...	30·23	67	NNE	3	b	30·18	-·05	65	63	+ 5	ESE	3	b	3	b	#	67	58	-
GERMANY & HOLLAND.	Cuxhaven ...	30·22	70	N	2	b	30·24	+·07	66	64	0	N	1	b	#	b	#	77	64	-
	Berlin	30·19	70	NNE	2	b	30·23	+·17	68	59	+ 3	WNW	1	b	#	b	#	79	59	-
	Wiesbaden ...	#	#	#	#	#	30·20	+·06	68	60	+ 2	NE	4	b	#	#	#	79	61	-
	Munich	30·19	62	NW	4	r	30·24	+·12	61	60	+ 2	E	1	f	#	r	#	72	57	0·04
	The Helder ...	30·22	70	NE	1	b	30·22	+·02	67	64	+ 1	E	1	b	1	b	#	72	64	-
BELGIUM. FRANCE &	Brussels ...	#	#	#	#	#	30·18	+·01	71	63	+ 4	E	3	b	#	b	#	81	59	-
	Cape Gris Nez ...	30·16	64	NE	4	c	30·11	-·04	69	64	+ 7	ESE	1	b	1	c	#	69	57	-
	Paris	30·10	78	NE	2	b	30·12	-·01	70	64	+ 8	NE	1	b	#	b	#	84	61	-
	Brest	30·07	70	NW	1	b	30·06	-·13	66	62	+ 6	E	1	b	2	b	#	77	57	0·08
	Lorient	30·11	77	WNW	2	b	30·03	-·09	66	64	+ 3	E	3	b	2	b	#	84	57	-
	Rochefort ...	30·04	73	NNW	3	b	30·06	-·06	68	66	0	E	2	b	#	b	#	84	64	-
	Belfort	30·02	71	NE	4	bc	30·06	+·04	64	61	+ 2	E	3	m	#	bc	#	76	59	-
	Lyons	29·98	78	?	2	c	30·03	+·04	67	61	- 1	N	1	b	#	c	#	82	61	-
	Nice	29·93	71	W	0	bc	30·01	+·14	76	62	+ 10	W	0	b	1	bc	#	79	66	-
	Perpignan ...	29·98	78	NW	3	b	30·02	+·01	75	63	+ 3	SW	2	b	#	b	#	86	65	-
	Biarritz ...	30·02	74	N	3	b	29·98	-·07	69	66	+ 1	W	0	b	2	b	#	81	64	-
PENINSULA.	Corunna ...																#			
	Lisbon	30·05	67	NNW	5	b	30·09	+·05	70	63	- 1	NNW	4	b	#	b	#	82	64	-
	Azores (P. Delgada)	30·23	68	N	2	b	30·28	+·11	69	66	0	W	0	c	2	b	#	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 11·5 hrs;

WEATHER CHARTS

FOR Wednesday, 4th August, 1897.

BAROMETER, WIND AND SEA.

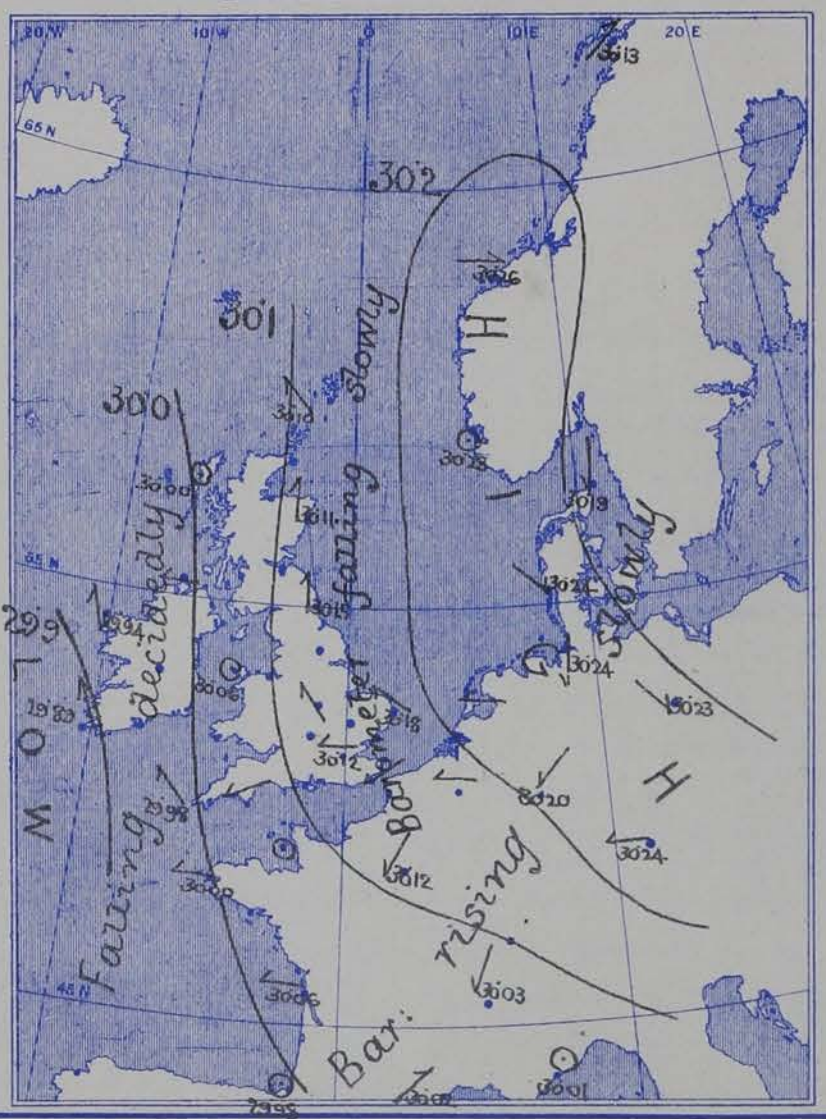
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▩

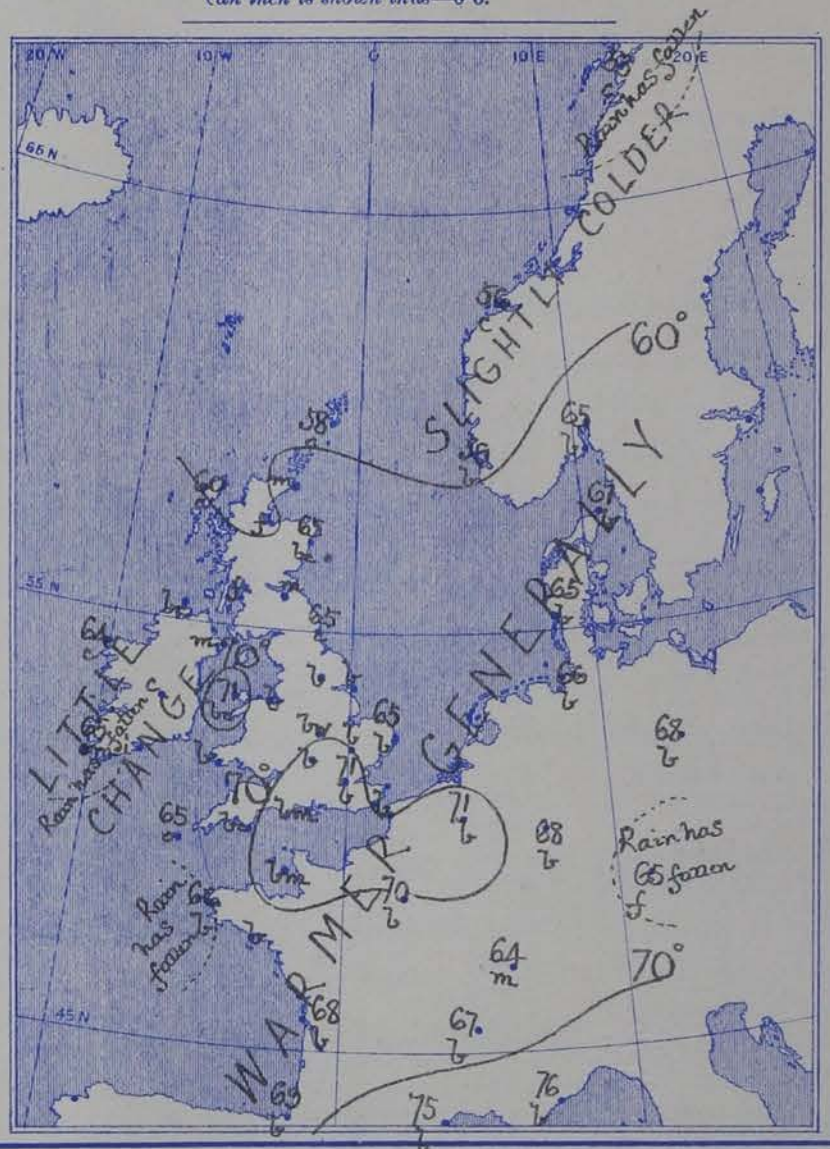


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	92	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 upwards in an anticyclone lying over Germany, Denmark, the S. parts of Norway and the E. and central parts of the North Sea.
Lowest 29.9 ins. and less in a depression lying off the southwest of Ireland.
Gradients slight. Barometer falling in our Islands and the neighbouring parts of the Continent, most in the west; rising in Sweden, Denmark, Germany and the E. and central parts of France.

TEMPERATURE

Highest (1) 76° at Nice and 75° at Perpignan; (2) 73° at Jersey and Hurst Castle, and 72° at Cooper.
Lowest 53° at Bodö, 56° at Christiansund, 57° at Leith, 58° at Sumburgh Hd. and Nairn and 59° at Shudkeraes (Thurso).
During yesterday the thermometer rose to 80° and upwards at several of the English stations, and to 86° at Cambridge.

WIND

E. by E. or SE. by E. over the greater part of our Islands, France and the Netherlands; light in force generally, but fresh at Valencia (Ireland).
Light from the SW. and in the west of Norway; but from the NW. and or N. and over Denmark and N. Germany.

WEATHER

Fine over W. Europe as a whole, but foggy or misty on many parts of our own W. and N. coasts, and dull at Valencia (Ireland) and Scilly.
Very slight rain has fallen at Valencia (Ireland) and somewhat larger amounts at Bodö, Munich and Brest, but over our area generally the weather has remained very dry. A solar halo was seen yesterday at Malin Hd.

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression is approaching the Irish coasts, and less settled weather is likely to set in shortly over the W. parts of our Islands generally. In the eastern districts no important change is likely at present.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Calms and fair weather, followed by SE. or S. breezes and some rain.
1	SCOTLAND EAST	S. by E. and SE. by E. winds, light or moderate; fine, warm.
2	ENGLAND N.E.	
3	ENGLAND EAST	E. by E. winds, light or moderate; fine, warm.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	E. by E. and SE. by E. winds, moderate; fine at first, cloudy later, with some rain & possibly thunder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	SE. by E. and S. by E. winds, freshening; cloudy, some rain, thunder locally
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·29	66	60	NNW	6	c	2
Sumburgh Head	30·27	59	54	S	0	c	2
Stornoway	30·19	68	60	E	3	0	3
Aberdeen	30·26	61	60	ESE	2	cm	2
Shields	30·24	63	61	E	3	c	2
Ardrossan	30·16	[illegible]	61	N	2	bc	1
Malin Head ...	30·14	[illegible]	62	E	4	c	3
Belmullet	30·12	[illegible]	68	SSW	1	b	*
Holyhead	30·19	[illegible]	62	NNW	2	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·09	70	65	SSE	3	cm	3
Scilly	30·14	71	65	ESE	2	c	0
Jersey	30·16	73	67	ENE	3	b	3
Hurst Castle ...							
Dungeness ...	30·18	69	65	ENE	4	b	3
North Foreland	30·24	68	66	N	3	b	3
London (Westminster)	30·21	77	65	NE	3	b	*
Yarmouth ...	30·26	65	63	NNE	3	b	3
Rochefort ...	30·11	81	73	NE	3	b	*

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

Weather in morning fair or fine over Europe as a whole, but foggy on several parts of our own coasts, as well as at Cape Gris Nez, Paris and Munich. Dull in the north of Scotland and also in many parts of Scandinavia, with rain at Bodö, as well as at Breslau and Lemberg. No important change occurring over W^m. Europe during day, but solar halo seen at Malin Hd.

Temperature risen in most places, but fallen on the E. coasts of Gt. Britain, as well as at many of the Russian and Austrian stations. Morning readings highest 84° at Sfax, 79° at Algiers, and 78° at Nemours and Constantinople; above 70° in many parts of S^m. Europe, as well as at Jersey and Liverpool, and very little below it in the S. of Sweden. Lowest (1) 48° at Archangel; (2) 54° at Bodö, 55° at Sumburgh Hd. and Spurn Hd, and 57° at Christiansund and Stornoway. Daily maxima below 65° on some parts of our own N^m. and NE^m. coasts, but thermometer exceeding 80° in many parts of England and France, and reaching 86° at Cambridge and Perpignan.

Wind light from the NE^wd. or E^wd. over the greater part of our Islands, France, the Netherlands, Denmark and the Baltic, but SE^ly or S^ly in the west and south of Ireland and calm in the N. of Scotland. W^ly or SW^ly over the northern parts of Scandinavia. NW^ly or W^ly over Austria and the southern parts of Germany and Russia; variable in Italy; W^ly in the extreme south of France; N^ly or NW. in the western parts of the Spanish peninsula. Subsequently shifting to the N or NW. in the west of France; no important change occurring elsewhere.

Barometer highest 30·2 ins. to 30·3 ins. over Great Britain, the North Sea and the SW^m. parts of Norway; 30·0 ins. and upwards in an anticyclone embracing nearly the whole of W^m, central and N^rn. Europe. Lowest 29·6 ins. and less in a depression over the S. of Russia. Slight fall of barometer taking place over the W^m. countries during day but general distribution of pressure remaining unchanged.

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, 5th August, 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 ...	29.97	52	NW	2	0	29.97	+.06	56	48	- 5	N	6	b	*	0	*	75	50	0.04
	Hernösand ...	30.13	61	NW	4	c	30.13	-.01	60	50	+ 1	N	4	b	*	c	*	70	54	-
	Stockholm ...	30.14	62	W	0	b	30.14	.00	66	59	+ 2	WSW	2	b	*	b	*	72	57	-
	Wisby	30.18	60	E	4	b	30.21	+.13	62	59	- 2	WSW	4	b	*	b	*	66	54	-
	Karlstad ...	30.16	71	ESE	2	b	30.12	-.08	65	60	+ 2	SW	2	b	*	b	*	*	*	-
	Bodö	30.13	51	WSW	2	c	30.13	.00	51	49	- 2	E	2	c	1	c	*	55	46	0.43
	Christiansund ...	30.20	54	W	0	*	30.12	-.14	58	53	- 1	SE	1	*	1	*	*	56	52	0.43
	Skudesnaes ...	30.18	64	SSE	2	b	30.14	-.14	64	60	+ 5	SE	4	b	2	b	*	68	52	*
	Færder (Christiania Fjord)	30.17	67	WSW	2	0	30.12	-.08	67	65	+ 2	N	1	m	1	0	*	72	64	-
	Skagen (The Scaw)	30.20	64	NNW	1	b	30.17	-.02	64	62	- 3	WSW	1	b	0	b	*	75	55	-
	Fanö	30.18	64	NNE	2	b	30.13	-.11	67	62	+ 2	ESE	4	b	*	b	*	81	63	-
British Islands.	Sumburgh Head	29.99	58	ESE	1	c	29.87	-.23	58	57	0	ESE	1	0	3	f, c	*	62	55	0.02
	Stornoway ...	29.91	70	W	0	c	29.74	-.26	66	64	+ 6	W	0	c	0	c	8.5	71	58	-
	Wick	29.97	68	S	2	0	29.87	-.20	63	62	- 3	S	2	0	1	0, tlr	*	72	56	0.10
	Nairn	29.93	76	SSW	3	0	29.79	-.26	64	63	+ 6	W	0	c	0	0, r	*	76	56	0.22
	Aberdeen ...	30.02	64	S	3	bc	29.87	-.24	63	60	- 2	SSE	2	bc	2	bc, tl	9.3	71	59	-
	Leith	30.06	65	W	0	0	29.82	-.29	67	64	+ 10	NNE	1	c	*	0, tlr	*	70	56	0.88
	Shields	30.01	66	ESE	4	b	29.86	-.29	67	62	+ 2	SE	2	b	2	b	*	70	59	-
	Spurn Head ...	30.03	65	ESE	5	b	29.89	-.29	66	65	+ 1	SE	4	b	3	b	*	68	61	-
	York	30.02	79	S	2	b	29.88	-.31	71	65	+ 5	ESE	1	b	*	b	13.7	85	59	-
	Loughborough ...	29.98	85	SE	3	b	29.85	-.31	78	69	+ 5	ESE	1	bu	*	b, bcm	*	89	59	-
	Ardrossan ...	29.90	72	SSE	1	bcf	29.76	-.30	69	69	+ 1	NE	1	bcf	1	bcf, tlr	*	75	63	0.05
	Malin Head ...	29.84	71	SSE	3	c	29.67	-.32	69	66	+ 1	SSE	5	bcm	1	bc.m	*	75	60	-
	Belmullet ...	29.80	71	SSE	3	bc	29.62	-.32	63	61	- 1	SSE	1	0	*	bc	*	73	54	-
	Donaghadee ...	29.92	69	SE	3	bc	29.78	-.29	61	60	- 1	SSE	2	f	0	bc, l	*	71	56	-
	Liverpool (Bidston)	29.93	78	N	2	0	29.79	-.30	69	62	0	ESE	2	c	2	0 p	*	84	64	0.03
	Holyhead ...	29.93	73	W	0	cpl	29.79	-.27	65	63	- 6	SSW	2	c	1	0p.c tl	*	80	61	0.04
	Parsonstown ...	29.84	69	SE	2	0	29.68	-.30	66	61	0	SE	2	bc	*	c, 0	5.4	72	60	-
	Valencia ...	29.76	66	SSE	4	m	29.58	-.31	62	61	- 3	SSE	4	p	4	0m2, 0	2.9	72	61	0.03
	Roche's Point ..	29.87	65	SSE	4	m	29.88	-.30	64	61	+ 1	S	5	bc	4	m, p	*	68	62	0.15
	Pembroke (St. Ann's Hd.)	29.92	69	SSE	3	bc	29.79	-.24	62	62	- 4	SW	4	0	3	bc	9.6	72	60	-
	Scilly	29.92	66	SSE	2	0	29.77	-.21	66	63	+ 1	S	4	c	4	v.c. 0	8.6	71	61	-
	Prawle Point ...	29.96	67	ENE	2	bc	29.84	-.21	65	62	- 4	WSW	2	bcm	1	c, l	*	73	60	-
	Jersey (St. Aubin's)	29.95	82	W	0	bm	29.87	-.19	68	64	- 5	NW	3	bc	3	b, l	*	82	63	-
	Hurst Castle ...	29.98	77	ESE	3	b	29.84	-.26	71	67	- 2	SE	1	cw	1	b, l	*	82	67	-
	Dungeness ...	30.00	69	ENE	2	b	29.86	-.25	70	65	+ 3	ESE	1	b	0	b	*	74	63	-
Germany & Holland.	North Foreland	30.04	69	NE	4	b	29.89	-.26	70	65	+ 2	E	2	b	2	b	*	79	64	-
	London (Brixton) ...	30.00	81	E	3	b	29.85	-.27	74	68	+ 3	SE	1	b	*	b	12.3	88	62	-
	Oxford	29.98	77	SSE	1	b	29.82	-.30	74	66	+ 2	SE	2	b	*	b	*	86	57	-
	Cambridge ...	30.03	84	ESE	2	b	29.87	-.29	78	66	+ 3	ESE	1	b	*	b	13.6	90	58	-
	Yarmouth ..	30.07	69	E	2	b	29.92	-.26	68	66	+ 3	SSE	3	b	2	b	*	69	62	-
	Cuxhaven ...	30.19	70	N	1	b	30.12	-.12	66	63	0	ESE	2	b	*	b	*	77	61	-
	Berlin	30.14	76	NNW	1	b	30.15	-.08	68	62	0	SE	2	b	*	b	*	82	61	-
	Wiesbaden ...	*	*	*	*	*	30.08	-.12	66	59	- 2	NE	3	b	*	*	*	81	61	-
	Munich... ..	30.18	73	E	4	b	30.13	-.11	61	58	0	E	4	b	*	b	*	73	48	-
	The Helder ...	30.11	73	ENE	1	b	30.00	-.22	70	64	+ 3	ESE	3	b	1	b	*	73	66	-
France & Belgium.	Brussels ...	*	*	*	*	*	29.95	-.23	71	61	0	SE	3	b	*	b	*	82	62	-
	Cape Gris Nez...																*			
	Paris	29.99	81	ENE	2	b	29.91	-.21	72	66	+ 2	E	1	b	*	b	*	86	64	-
	Brest	29.95	70	S	1	f	29.86	-.14	62	61	- 4	SW	1	c	3	f	*	77	55	-
	Lorient... ...	29.95	72	W	0	bc	29.90	-.13	65	65	- 1	SW	1	bc	4	bc	*	84	55	-
	Rochefort ...	29.93	73	NNW	3	b	29.92	-.14	69	68	+ 1	NNE	2	r	*	b	*	84	68	-
	Belfort														*		*			
	Lyons	29.97	75	W	3	f	29.96	-.07	72	65	+ 5	SE	1	b	*	f	*	87	64	0.04
	Nice	30.00	76	W	2	c	30.01	.00	76	63	0	W	0	b	0	c	*	90	68	-
	Perpignan ...	29.95	78	NE	3	b	29.96	-.06	72	69	- 3	NE	1	0	*	b	*	84	?	-
	Biarritz ...	29.93	76	NNE	3	c	29.92	-.06	69	68	0	W	5	0	2	c	*	88	68	0.04
Peninsula.	Corunna ...														*		*			
	Lisbon	30.10	68	NNW	4	b	30.12	+.03	69	59	- 1	NNW	4	c	*	b	*	79	64	-
	Azores (P. Delgada)	30.28	69	WSW	1	b	30.26	+.03	71	68	+ 2	W	0	b	2	b	*	77	66	-

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

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

Bright Sunshine yesterday Southport 9.9 hrs;

WEATHER CHARTS

FOR Thursday, 5th August, 1897.

BAROMETER, WIND AND SEA.

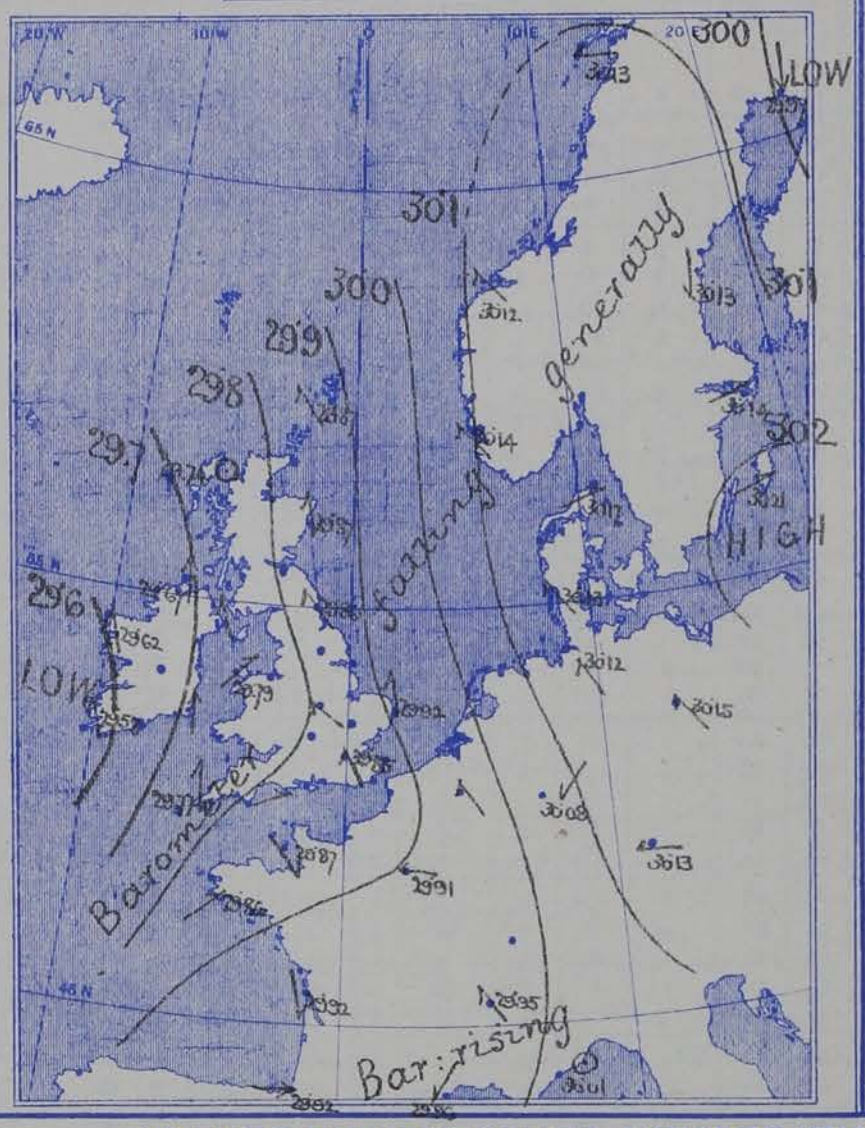
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

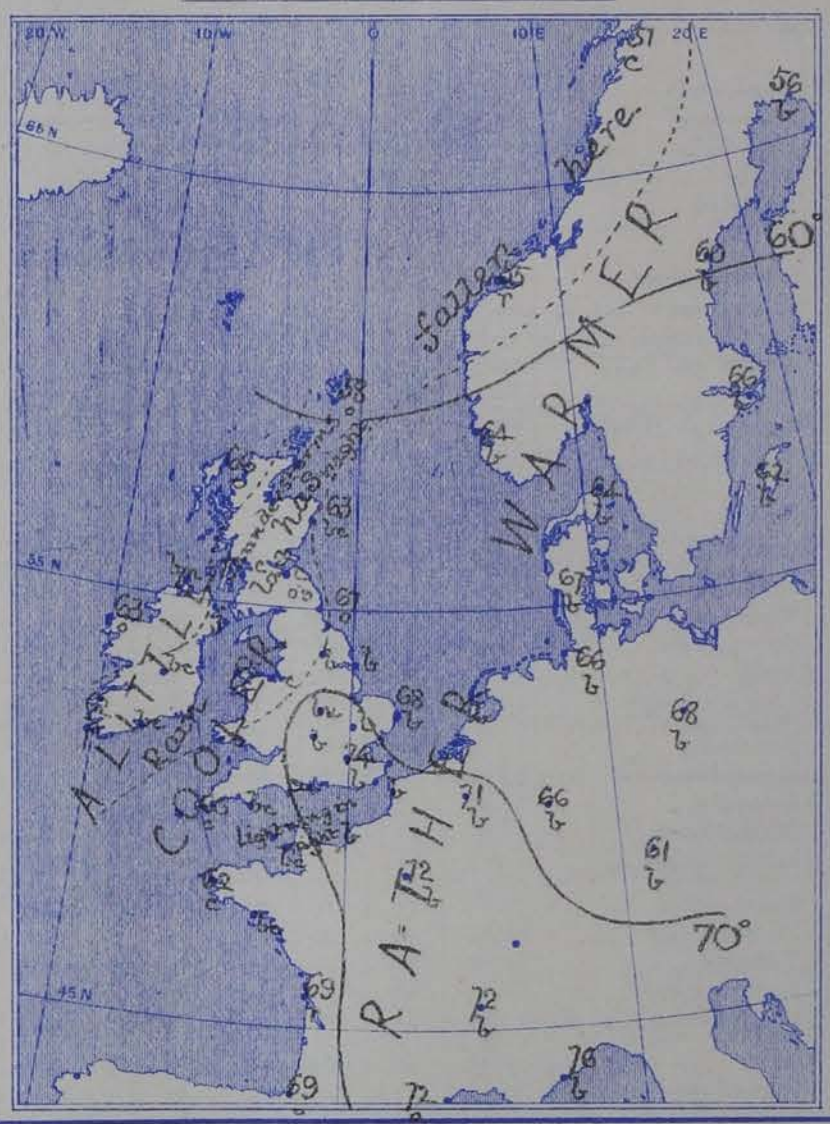


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887. 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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. at Wisby; 30.1 ins. and upwards in an anticyclone lying over nearly the whole of Scandinavia, Denmark and Germany; and also in another system over the southern part of the Spanish peninsula. Lowest 29.6 ins and less in a depression lying off the west of Ireland. Gradients slight. Barometer falling generally, but rising a little in the south of France.

TEMPERATURE — Highest 76° at Nice, 74° in London & at Oxford, 73° at Loughborough & Cambridge and 72° at Paris & Lyons. Lowest 51° at Bodö, 55° at Christiansund, 58° at Haparanda, 58° at Lerwick Head and 60° at Hernösand. During yesterday the thermometer rose to 85° & upwards over the inland parts of England, and to 90° at Cambridge; on our east coasts the thermometer did not exceed 70°.

WIND — Light to fresh from the S. or S.W. on our western coasts, but SE. in the eastern and central parts of the United Kingdom, as well as over the Netherlands, North Germany & the eastern shores of the North Sea. NW. or W. in the Channel Islands & the west of France; N. over the Gulf of Bothnia; SW. in the south of Sweden.

WEATHER — Fair or fine over Western Europe as a whole, but showery at Valencia (Ireland) and dull in the west of France, with rain at Rochefort.
Showers fell yesterday at several of our western stations, with thunder & lightning at Holyhead. During the night thunderstorms occurred over nearly the whole of Scotland, the accompanying rainfall amounting at Perth to 0.90; lightning was seen at the English Channel stations.

SEA — moderate on our southwest coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the west continues to spread eastwards, and a small secondary disturbance has been developed over the north of France. The latter system seems likely to advance northwards, and to occasion thunderstorms in many parts of England.

FORECASTS

For the 24 hours ending at NOON on 6th AUGUST 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. and SE. winds, light; changeable, some showers, thunder locally
1 SCOTLAND EAST	
2 ENGLAND N.E.	SE. to S. or SW. winds, light, close, unsettled, thunderstorms in many places.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S. winds, moderate or fresh, changeable, some showers, thunder locally.
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 ...	30.26	68	57	NW.	0	b	1
Sumburgh Head	30.02	58	58	ESE	1	f	4
Stornoway	29.97	70	66	S	2	c	2
Aberdeen	30.06	71	65	S	2	bc	2
Shields	30.09	69	65	ESE	4	b	2
Ardrossan	29.99	72	70	SE	1	bcf	1
Malin Head ...	29.88	73	69	S	6	bc	0
Belmullet	29.87	71	64	S	8	bc	*
Holyhead	29.99	80	71	SW	1	op	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.89	65	62	SE	5	o 2m	5
Scilly	29.94	68	64	SE	2	r	0
Jersey	30.01	79	70	SE	1	b	1
Hurst Castle ...	30.04	82	71	SE	2	b	1
Dungeness ...	30.06	72	66	ENE	3	b	2
North Foreland	30.10	71	70	E	3	b	3
London (Westminster)	30.05	85	69	E	3	b	*
Yarmouth ...	30.13	69	66	E	3	b	3
Rochefort ...	29.99	82	80	E	1	b	*

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

Weather in morning fine over Europe as a whole, but foggy or misty on several parts of our own western and northern coasts. Dull at many of the Russian stations and also in the extreme northern and southern parts of Italy, with rain at Moscow and Palermo. Showers falling later at some of our western stations, with thunder and lightning at Holyhead. Thunderstorms occurring at night over nearly the whole of Scotland, and lightning seen over the western parts of the English Channel.

Temperature risen in our islands and the neighbouring parts of the Continent, as well as in Austria and Finland; fallen in most other localities. Morning readings highest 84° at Barcelona, 82° at Athens, 81° at Sfax and 79° at Trieste, above 70° over Southern Europe generally, as well as at many of the English stations. Lowest (1) 48° at Archangel & 58° at Moscow; (2) 53° at Bodo, 56° at Christiansund & 57° at Leith. Rising during day to 85° and upwards in many parts of England and France, and reaching 90° at Cambridge and Nice; remaining below 70° at some of our east coast stations.

Wind light from the E. or SE. over our islands and the neighbouring portions of the Continent generally, but calm in the north of Scotland. SW. or W. over the northern parts of Scandinavia; variable over northern Russia; light from the N.W. (NW. to NE.) over all the more central and southern parts of the Continent, but W. in the south of Italy. Subsequently shifting to the N.W. in the west of France; no important change occurring elsewhere.

Barometer highest 30.1 in. to 30.2 ins. and upwards in an anticyclone covering nearly the whole of Scandinavia, Denmark, Germany, the Netherlands and the eastern parts of our islands. Lowest 29.6 ins and less in a depression over the south of Russia; 29.9 ins. and less in another system lying to the west of Iceland and also in a small disturbance over Lapland. Irish depression subsequently spreading Eastwards and barometer falling over Western Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Friday, 6th August, 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 ...	30·06	48	N	2	b	30·11	+·14	53	49	- 3	N	4	c	8	b	8	59	46	-
	Hernösand ...	30·08	61	NE	0	0	30·11	-·02	60	55	0	SW	2	0	8	0	8	68	52	-
	Stockholm ...	30·11	62	E	2	b	30·09	-·05	68	62	+ 2	SE	4	b	8	b	8	77	54	-
	Wisby	30·09	64	SSW	4	b	30·09	-·12	70	63	+ 8	SSE	4	b	8	b	8	72	48	-
	Karlstad ...	30·08	72	WSW	2	b	30·06	-·06	68	63	+ 3	SSW	2	b	8	b	8	8	8	-
	Bodö	30·14	52	NE	2	b	30·12	-·01	55	51	+ 4	ENE	4	b	1	b	8	63	45	-
	Christiansund ...	30·02	59	SE	2	r	29·97	-·15	60	59	+ 5	SE	2	b	1	r	8	61	54	0·51
	Skudesnaes ...	30·01	66	S	2	m	29·91	-·23	68	66	+ 4	SE	4	b	2	b, m	8	72	59	8
	Færder (Christiania Fjord)	30·06	70	SW	2	m	30·06	-·06	70	61	+ 3	SSW	2	bc	1	m	8	72	66	-
	Skagen (The Scaw)	30·07	69	SSW	1	b	30·05	-·12	68	64	+ 4	S	1	b	0	b	8	82	64	-
	Fanö	29·98	69	SE	3	b	29·89	-·24	69	66	+ 2	SE	4	b	8	b	8	86	63	-
British Islands.	Sumburgh Head	29·78	61	ESE	2	c	29·73	-·14	61	60	+ 3	SE	2	0	4	c	8	65	55	-
	Stornoway ...	29·61	68	NE	0	tlr	29·51	-·23	60	59	- 6	NE	0	c	0	c, tlr	6·9	73	58	0·15
	Wick	29·73	60	S	1	0	?29·62	-·25	58	58	- 5	S	2	m	1	tlr	8	68	56	0·12
	Nairn	29·63	67	NE	0	c	29·54	-·25	65	63	+ 1	NE	0	0	0	c	8	72	60	0·01
	Aberdeen ...	29·74	61	SSE	3	c	29·59	-·28	61	60	- 2	SW	1	ogr	2	bc	8·4	68	55	0·16
	Leith	29·67	66	NE	0	0	29·58	-·24	68	64	+ 1	ESE	2	c	8	0	8	71	59	0·18
	Shields	29·74	65	N	1	r	29·62	-·24	67	63	0	SSW	3	c	2	c, tlr	8	71	58	0·43
	Spurn Head ...	29·74	65	SE	5	c	29·70	-·19	67	65	+ 1	SSW	4	b	4	c, lr	8	70	61	0·01
	York	29·72	71	ESE	1	0	29·66	-·22	62	60	- 9	S	2	b	8	bc, tlth	8·2	88	60	0·50
	Loughborough ...	29·70	72	SE	1	c	29·72	-·13	64	62	- 9	SSW	2	cw	8	tlp, c, b	8	87	58	0·17
	Ardrossan ...	29·65	70	SE	2	b	29·54	-·22	64	64	- 5	ESE	3	b	1	c, b, l	8	74	60	-
	Malin Head ...	29·54	67	ESE	5	cp	29·45	-·22	63	62	- 6	S	4	c	1	c, cp	8	73	57	0·01
	Belmullet ...	29·54	66	SSW	1	b	29·46	-·16	62	60	- 1	SSW	2	or	8	bc, b	8	72	58	0·10
	Donaghadee ...	29·67	60	ESE	5	bc	29·53	-·23	62	60	+ 1	S	5	bc	3	f, bc	8	66	46	-
	Liverpool (Bidston)	29·69	67	NE	1	c	29·62	-·17	66	62	- 3	SE	3	b	2	tlr, p	8	83	59	0·24
	Holyhead ...	29·70	64	SW	2	c	29·61	-·18	63	61	- 2	SSW	3	c	2	b, cl	8	72	59	0·12
	Parsonstown ...	29·58	70	SE	1	c	29·51	-·17	63	59	- 3	SE	2	0	8	c, or	9·1	73	58	0·10
	Valencia ...	29·53	62	S	4	cp	29·51	-·07	61	60	- 1	SW	3	cp	4	c, cp	3·4	67	59	0·73
	Roche's Point ..	29·59	65	SSW	5	p	29·57	-·11	62	60	- 2	WSW	4	bcp	4	r	8	67	60	0·10
	Pembroke (St. Ann's Hd.)	29·70	64	SW	4	b	29·64	-·15	63	61	+ 1	SW	5	c	5	b	9·6	72	60	0·03
	Scilly	29·72	69	S	4	c	29·68	-·09	65	63	- 1	SW	4	cp	3	c	11·6	74	60	0·21
	Prawle Point ...	29·78	65	WSW	2	c	29·74	-·10	61	60	- 4	SSW	3	cp	3	c, p	8	67	60	-
	Jersey (St. Anbin's)	29·82	69	WSW	2	c	29·83	-·04	66	63	- 2	SW	3	cgp	3	c gm, c	8	71	62	-
	Hurst Castle ...	29·80	65	SW	3	c m	29·79	-·05	65	63	- 6	SW	4	cm	3	tlr, cm	8	74	64	0·05
	Dungeness ...	29·77	68	WSW	3	c	29·83	-·03	64	63	- 6	WSW	4	c	2	c, l	8	78	60	0·04
	North Foreland	29·76	65	S	1	c	29·82	-·07	67	64	- 3	SSW	3	bc	3	bc, c	8	79	66	0·03
	London (Brixton) ...	29·74	73	SW	2	c	29·78	-·07	65	62	- 9	SW	3	bc	8	bc, op	9·6	87	61	0·01
	Oxford	29·76	68	SW	2	0	29·75	-·07	65	61	- 9	S	3	c	8	o tp	8	83	59	0·01
	Cambridge ...	29·71	74	SSW	2	c	29·77	-·10	67	62	- 6	SSW	3	o	8	bc, tlr	11·6	90	58	0·51
	Yarmouth ...	29·75	70	SSE	2	b	29·78	-·14	67	65	- 1	SW	3	bc	2	b, tlr	8	70	62	0·36
Germany & Holland.	Cuxhaven ...	29·96	74	E	4	b	29·89	-·23	67	65	+ 1	SE	5	b	8	b	8	79	63	-
	Berlin	30·02	74	ENE	2	b	30·00	-·15	68	63	0	ESE	3	b	8	b	8	81	63	-
	Wiesbaden ...	*	*	*	*	*	29·95	-·13	66	61	0	E	1	bc	8	8	8	82	61	-
	Munich	30·02	63	E	3	b	30·06	-·07	67	62	+ 6	SW	5	bc	8	b	8	75	54	-
	The Helder ...	29·80	77	SE	1	b	29·82	-·18	68	62	- 2	WSW	2	c	1	b	8	79	66	-
Belgium.	Brussels ...	*	*	*	*	*	29·89	-·06	67	64	- 4	SW	2	0	8	t	8	87	62	0·04
	Cape Gris Nez ..	29·78	67	SE	3	t	29·83		62	62		WSW	3	0	3	bc	8	88	59	0·04
	Paris	29·82	73	N	1	bc	29·96	+·05	63	61	+ 1	SW	2	c	8	bc	8	87	61	0·04
	Brest	29·81	65	SW	3	c	29·84	-·02	62	61	0	SW	4	c	4	c	8	72	57	0·04
	Lorient	29·87	68	WSW	4	bc	29·86	-·04	65	64	0	WSW	4	?	5	bc	8	77	61	0·24
France &	Rochefort ...	29·92	71	NNW	3	bc	29·98	+·06	72	66	+ 3	W	5	b	8	o, bc, tlr	8	82	66	3·70
	Belfort	29·88	77	SSE	2	c	29·99		63	62		W	1	m	8	c	-	84	60	-
	Lyons ...	29·88	60	SSW	2	0	30·01	+·05	66	63	- 6	N	1	0	8	o, l	8	87	64	-
	Nice	29·96	75	W	1	c	29·97	-·04	71	65	- 3	E	0	c	0	c	8	86	70	-
	Perpignan ...	29·89	74	NE	2	t	30·03	+·07	70	67	- 2	E	0	b	8	ter	8	85	60	0·43
	Biarritz ...	29·98	68	NNW	3	r	30·00	+·08	67	65	- 2	E	0	0	3	r	8	72	66	0·16
Peninsula.	Corunna ...																8			
	Lisbon	30·14	67	NNW	4	b	30·15	+·03	69	63	0	NNW	4	bc	8	b	8	75	64	-
	Azores (P. Delgada)																8			

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 5·5 hrs;

WEATHER CHARTS

FOR Friday, 6th August, 1897.

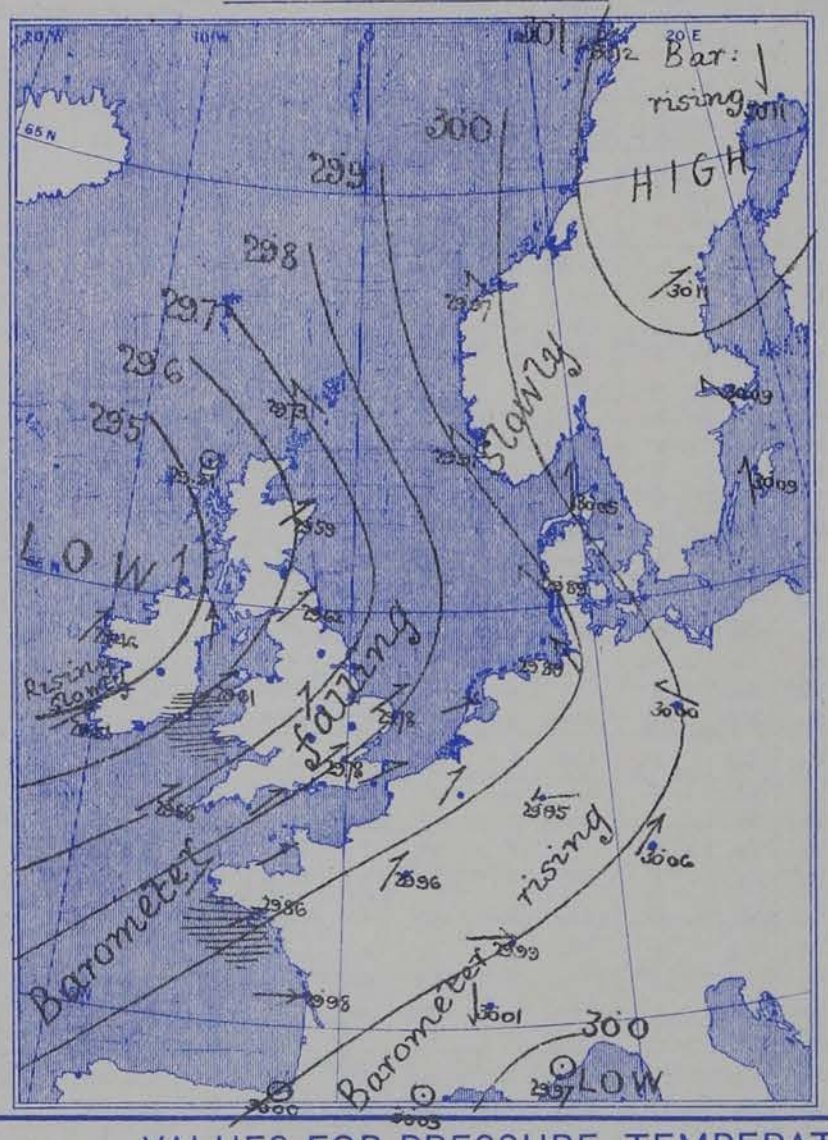
BAROMETER, WIND AND SEA.

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* ▬

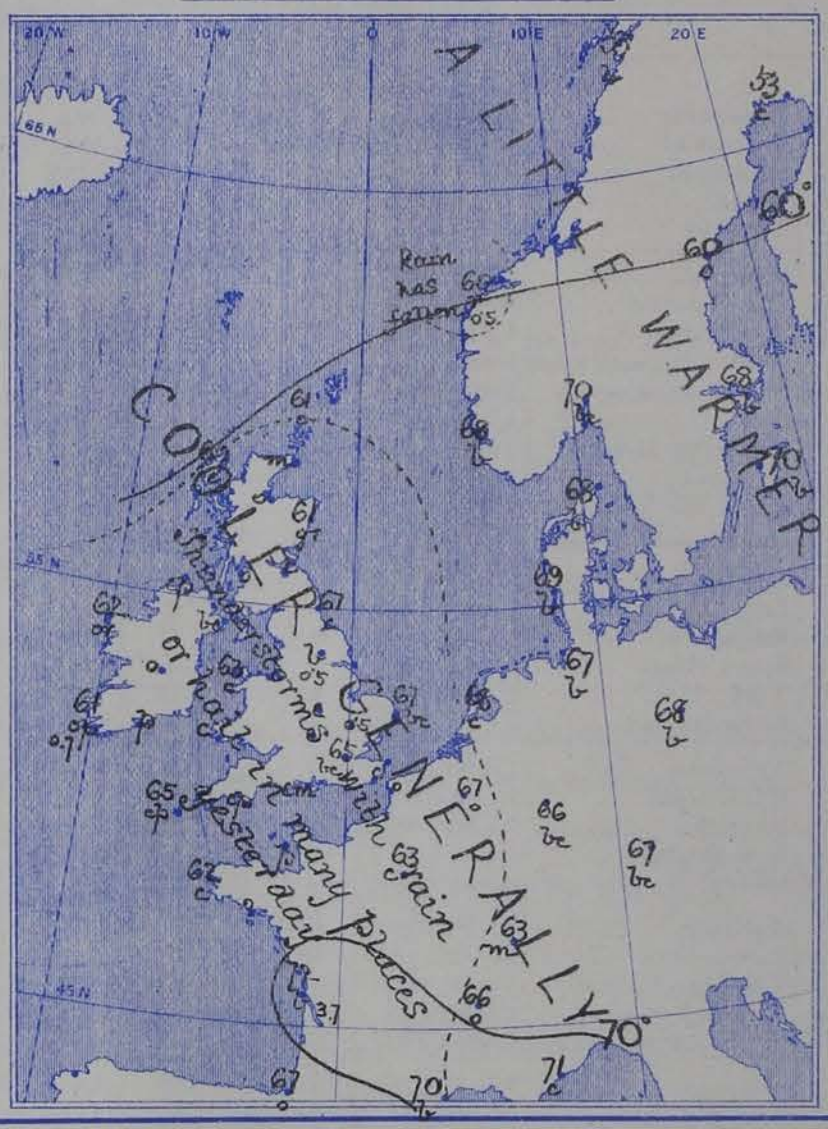


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 upwards over the N^rn. parts of Scandinavia and also over the S^rn. parts of France.
Lowest 29.5 ins. and less in a depression lying off our extreme western coasts.
Gradients slight. Barometer falling over W^rn. Europe as a whole, but rising at Valencia (Ireland), as well as in the south of France and the northern parts of Sweden.

TEMPERATURE

Highest 72° at Rochefort, 71° at Nice, 70° at Faerder, Wisley and Perpignan, and 69° at Farne & Liston.
Lowest 53° at Haparanda, 55° at Bodö, 58° at Wick, and 60° at Hernösand, Christiansund & Stornoway.
During yesterday the thermometer again rose to 85° and upwards over the inland parts of England, to 88° at York, and to 90° at Cambridge.

WIND

Light to fresh from the SW^wd. over the southern parts of our islands, the Netherlands and the north of France; calm in the south of France.
S^ly or SE^ly in the northern parts of the United Kingdom, as well as over Denmark, N. Germany and the greater part of Scandinavia, variable over the Gulf of Bothnia.

WEATHER

Fine over the greater part of England, as well as at most of the Continental stations.
Showery on our southwest coasts, and rainy at Aberdeen and Belmullet.
Thunderstorms occurred yesterday in nearly all parts of Gt. Britain and also in France and Belgium, the accompanying falls of rain and hail being in some places very heavy. The largest amounts reported this morning were 3.7 ins. at Rochefort, 0.7 in. at Valencia, and 0.5 in. at York and Cambridge. A solar halo was seen yesterday at Oxford.

SEA

Moderate to smooth generally, but rather rough at Pembroke and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our W^rn. coasts is now moving northwards, but the conditions are favourable for the development of small secondary systems over our Islands. Showery thundery weather is likely to prevail for a time in most districts.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^ly and SE^ly winds, light, changeable, some showers, thunder locally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S^ly winds, moderate, changeable, some showers, thunder locally.
3	ENGLAND EAST	SW^ly winds, moderate, changeable, some showers, thunder locally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	SW^ly to S^ly winds, moderate or fresh, changeable, some showers, possibly thunder.
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 ...	30.07	71	65	S	4	b	2
Sumburgh Head	29.81	62	59	ESE	2	c	3
Stornoway	29.67	72	68	2	0	c	0
Aberdeen	29.80	67	62	SSE	3	b	3
Shields	29.77	66	61	E	3	c	3
Ardrossan	29.68	73	71	SW	2	c	1
Malin Head ...	29.58	62	59	SSE	6	c	1
Belmullet	29.57	71	65	SW	1	bc	*
Holyhead	29.74	71	66	SW	3	b	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.57	66	62	SSE	4	c	4
Scilly	29.73	73	67	S	4	c	4
Jersey	29.84	66	63	WNW	2	c	3
Hurst Castle ...	29.81	73	68	SW	3	bcm	2
Dungeness ...	29.80	76	69	ENE	1	c	1
North Foreland	29.79	78	72	E	3	bc	3
London (Westminster)	29.75	83	69	S	3	c	*
Yarmouth ...	29.81	70	68	ESE	2	b	2
Rochefort ...	29.92	70	68	?	2	0	*

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

Weather in morning fair or fine over the greater part of our Islands and the Continent, but showery at Valencia (Ireland) and dull in the W. of France, with rain at Rochefort; thunderstorm reported at Turin. Thunderstorms occurring later in nearly all parts of Gt. Britain, and also in France and Belgium, with heavy falls of rain and hail in places. Solar halo seen at Oxford.

Temperature risen over Gt. Britain and France, and also in the S. of Scandinavia; fallen in most other localities. Morning readings highest 83° at Sanguinaire, 82° at Toulon, 81° at Algiers, and 79° at Brindisi and Spas; above 70° in many parts of England, France and the Netherlands. Lowest 48° at Archangel, 51° at Bodö, 54° at Moscow, and 55° at Christiansund. Rising during day to 80° and upwards in Denmark & Germany, to 85° and upwards in many parts of England and France, and to 90° at Cambridge.

Wind light to fresh from the S^ward on our western coasts, but SE^ly in the eastern and central parts of the United Kingdom, as well as over the Netherlands, Germany and the E^rn shores of the North Sea. W^ly (SW^ly to NW^ly) over the Bay of Biscay and the Spanish peninsula, variable in Italy and the south of France. N^ly over Russia and the N^rn parts of Sweden, but SW^ly in the south of Sweden. Subsequently veering to the SW^ward in the south of England. No important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in a large anticyclone covering Scandinavia, Denmark, Germany and Austria, and also in another system lying to the S^ward of the Spanish peninsula. Lowest 29.6 ins. and less in a depression lying off the west of Ireland. Small secondary systems advancing over our Islands later from the southward; and barometer falling over W^rn Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 7th August, 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 ...	30·18	50	NE	0	b	30·23	+·12	54	50	+1	NE	2	b	#	b	#	64	39	-
	Hernösand ..	30·14	55	NE	0	b	30·15	+·04	61	57	+1	E	1	c	#	b	#	66	52	0·28
	Stockholm ...	30·08	64	SE	2	c	30·09	·00	68	64	0	SE	2	c	#	c	#	73	57	-
	Wisby	30·09	65	S	4	b	30·12	+·03	69	60	-1	SE	4	b	#	b	#	72	54	-
	Karlstad ..	29·99	74	SSE	2	b	30·02	-·04	69	61	+1	SE	2	b	#	b	#	#	#	-
	Bodö	30·04	59	NE	0	b	29·96	-·16	64	55	+9	E	4	b	1	b	#	64	52	-
	Christiansund ...	29·83	66	NE	0	b	29·86	-·11	65	62	+5	NE	0	bc	1	b	#	72	57	-
	Skudesnæs ...	29·81	67	S	6	o	29·86	-·05	64	62	-4	S	4	c	4	bc, b, l	#	74	63	#
	Færder (Christiania Fjord)	29·97	71	NE	0	b	29·94	-·12	69	65	-1	SE	4	o	2	b	#	73	68	-
	Skagen (The Scaw)	29·96	71	S	2	bc	29·93	-·12	68	67	0	SSW	1	o	o	bc	#	82	66	0·04
	Fano ...	29·88	66	SW	1	c	29·92	+·03	66	65	-3	S	1	r	#	thr. c	#	84	64	0·24
British Islands.	Sumburgh Head	29·57	59	SE	2	f	29·65	-·08	59	58	-2	S	2	b	4	o, f	#	63	53	0·03
	Stornoway ...	29·49	65	SSW	3	o	29·70	+·19	57	55	-3	NNW	3	o	3	c, t. o	8·1	70	54	0·02
	Wick	29·57	65	S	1	bc	29·69	+·07	64	62	+6	NW	1	c	o	t, bc	#	68	53	0·04
	Nairn	29·51	70	WSW	1	bc	29·66	+·12	64	62	-1	W	1	c	1	bc	#	72	54	0·05
	Aberdeen ...	29·59	62	SSE	2	b	29·68	+·09	65	62	+4	SE	2	bc	1	bc, b, r	7·0	68	55	0·07
	Leith	29·57	68	SE	1	c	29·69	+·11	64	61	-4	WSW	2	o	#	thr. c	#	75	58	0·52
	Shields	29·63	71	S	3	c	29·74	+·12	66	60	-1	SW	2	c	2	c	#	75	50	-
	Spurn Head ...	29·69	69	SSW	4	b	29·80	+·10	68	66	+1	WSW	4	c	3	b	#	76	59	-
	York	29·67	71	S	1	b	29·79	+·13	65	61	+3	WSW	1	c	#	b	8·0	78	58	-
	Loughborough ...	29·71	72	S	3	b	29·84	+·12	66	63	+2	SW	2	bcw	#	cp, bc, c	#	78	58	0·01
	Ardrossan ...	29·54	63	SE	3	opt	29·73	+·19	60	60	-4	W	3	c	2	bc, opt	#	68	58	0·01
	Malin Head ...	29·52	65	W	1	cpt	29·77	+·32	60	59	-3	NNW	2	b	1	c, cpt	#	66	54	0·33
	Belmullet ...	29·68	60	WNW	4	o	29·81	+·35	59	55	-3	NNW	1	c	#	bc, o	#	64	51	0·42
	Donaghadee ..	29·55	62	SW	4	r	29·79	+·24	58	58	-4	W	3	c	1	r	#	69	55	0·04
	Liverpool (Bidston)	29·65	75	SSW	3	c	29·81	+·19	60	57	-6	WSW	2	o	2	cpt	#	72	59	0·04
	Holyhead ...	29·63	62	SSW	4	r	29·81	+·20	60	58	-3	NNW	2	c	1	bc, q	#	67	57	-
	Parsonstown ...	29·63	66	SW	3	bc	29·84	+·33	59	54	-4	W	0	bc	#	bc	6·0	70	53	-
	Valencia ...	29·76	60	WNW	5	o	29·82	+·31	60	56	-1	E	1	c	3	o, q, o	0·1	62	51	-
	Roche's Point ..	29·71	64	WNW	4	cp	29·84	+·27	63	60	+1	NNW	2	c	2	cp	#	69	51	0·10
	Pembroke (St Ann's Hd.)	29·71	63	WSW	6	o	29·85	+·21	58	57	-5	NW	2	b	4	bc, o	8·1	65	56	0·12
	Scilly	29·82	63	W	3	cp	29·88	+·20	63	60	-2	S	2	c	2	c, cp	10·1	70	59	0·01
	Prawle Point ..	29·81	63	SSW	4	c	29·92	+·18	60	57	-1	SW	2	c	2	cp	#	66	55	0·12
	Jersey (St Anbin's)	29·90	67	WNW	4	bc	29·97	+·14	66	61	0	SW	3	bc	3	bc	#	72	60	-
	Hurst Castle ...	29·83	67	SW	5	bm	29·92	+·13	65	62	0	SW	4	c	3	bc, m	#	70	62	-
	Dungeness ...	29·84	65	SSW	3	bc	29·93	+·10	65	63	+1	WSW	4	o	3	c, bc	#	71	61	-
	North Foreland ..	29·85	69	S	4	bc	29·94	+·12	67	63	0	S	3	bc	3	bc	#	73	59	-
	London (Brixton) ...	29·80	72	SW	3	bc	29·91	+·13	66	61	+1	SW	3	c	-	bc	8·5	75	58	-
	Oxford	29·80	64	SSW	2	c	29·88	+·13	64	58	-1	S	3	bc	-	p, o	#	71	57	0·34
	Cambridge ...	29·76	70	SSW	3	b	29·88	+·11	65	61	-2	SW	3	b	-	b	8·8	77	58	-
	Yarmouth ...	29·78	69	S	4	bc	29·87	+·09	67	63	0	SW	4	b	3	bc	#	71	64	-
Germany & Holland	Cuxhaven ..	29·89	70	NW	2	c	29·95	+·06	63	?	-4	S	1	f	-	c, d	#	82	63	-
	Berlin	29·90	76	SE	2	bc	29·99	-·01	69	66	+1	SW	2	o	-	bc	#	86	66	0·04
	Wiesbaden ..	*	*	*	*	*	30·06	+·11	65	?	-1	SW	1	o	*	*	#	81	61	-
	Munich... ...	30·11	62	E	0	r	30·17	+·11	62	61	-5	W	1	o	-	r	#	77	59	0·63
	The Helder ...	29·87	69	SW	1	bc	29·91	+·09	67	62	-1	SW	4	bc	2	bc	#	72	63	-
Belgium.	Brussels ..	*	*	*	*	*	30·00	+·11	66	62	-1	W	1	b	*	bc	#	78	58	-
	Cape Gris Nez	29·88	67	SW	3	b	29·94	+·11	63	60	+1	SW	3	c	3	b	#	73	61	0·04
	Paris	29·95	73	SW	2	bc	30·03	+·07	66	62	+3	S	1	bc	*	bc	#	78	60	-
	Brest ...	29·92	66	WSW	2	bc	29·97	+·13	63	61	+1	SE	1	o	2	bc	#	68	57	0·08
	Lorient	29·96	69	WNW	4	bc	?	?	63	63	-2	ENE	1	r	4	bc	#	?	61	0·47
France &	Rochefort ...	30·01	71	WSW	4	c	30·00	+·02	68	65	-4	? WSW	3	c	*	c	#	75	64	-
	Belfort	30·00	69	WSW	1	o	30·08	+·09	62	59	-1	W	0	m	*	o	#	78	55	-
	Lyons ...	30·00	75	ENE	1	c	30·05	+·04	69	63	+3	N	1	b	*	c	#	81	60	-
	Nice	29·97	71	W	0	bc	30·01	+·04	72	64	+1	W	0	b	0	bc	#	82	64	-
	Perpignan ...	?	74	?	2	o	30·04	+·01	74	68	+4	SW	1	b	*	o	#	81	64	-
	Biarritz ..	30·06	72	N	4	o	29·99	-·01	64	63	-3	E	3	·o	4	o	#	77	63	-
Peninsula.	Corunna ...																#			
	Lisbon	30·18	70	NNW	3	b	30·18	+·03	72	66	+3	NW	3	c	*	b	#	77	68	-
	Azores (P. Delgada)	30·22	68	WSW	4	c	29·94	-·28	72	71	+1	SW	4	c	3	c	#	75	70	-

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

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

Bright Sunshine yesterday Southport 6·7 hrs;

WEATHER CHARTS

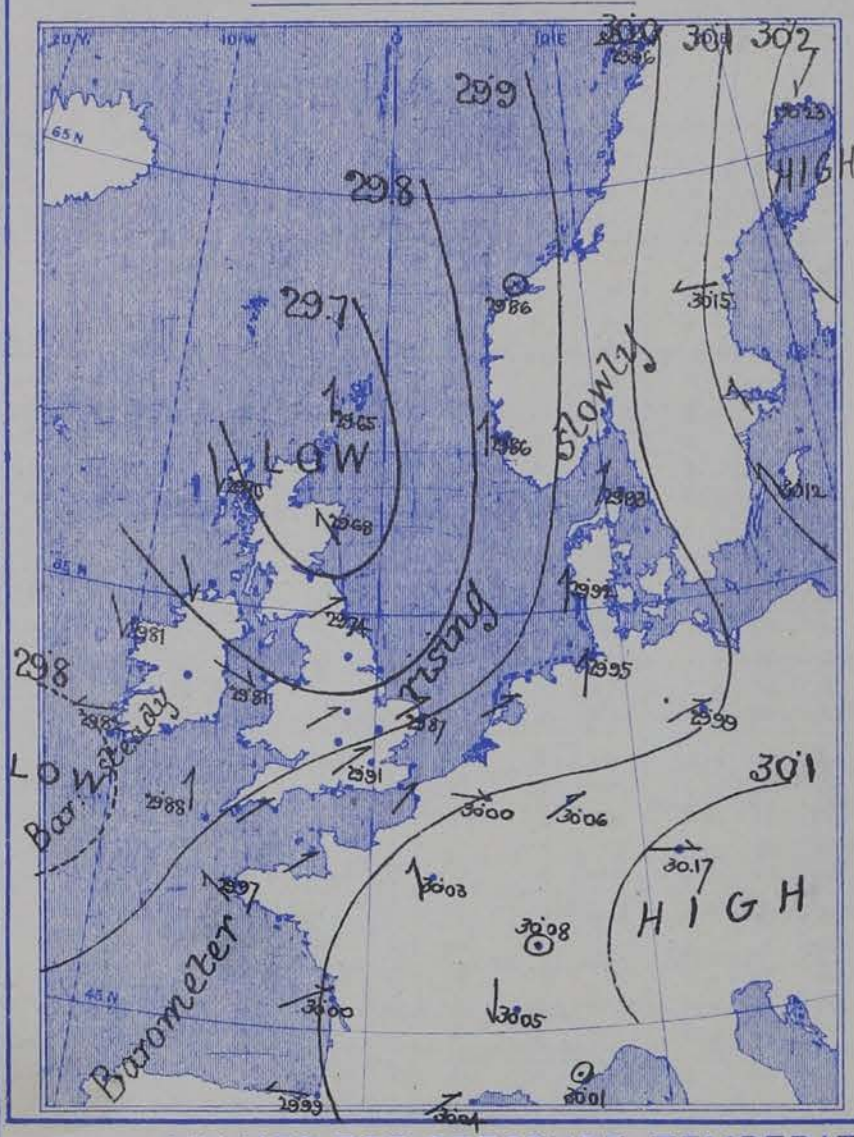
FOR Saturday, 7th August, 1897.

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* ⟶ ; }

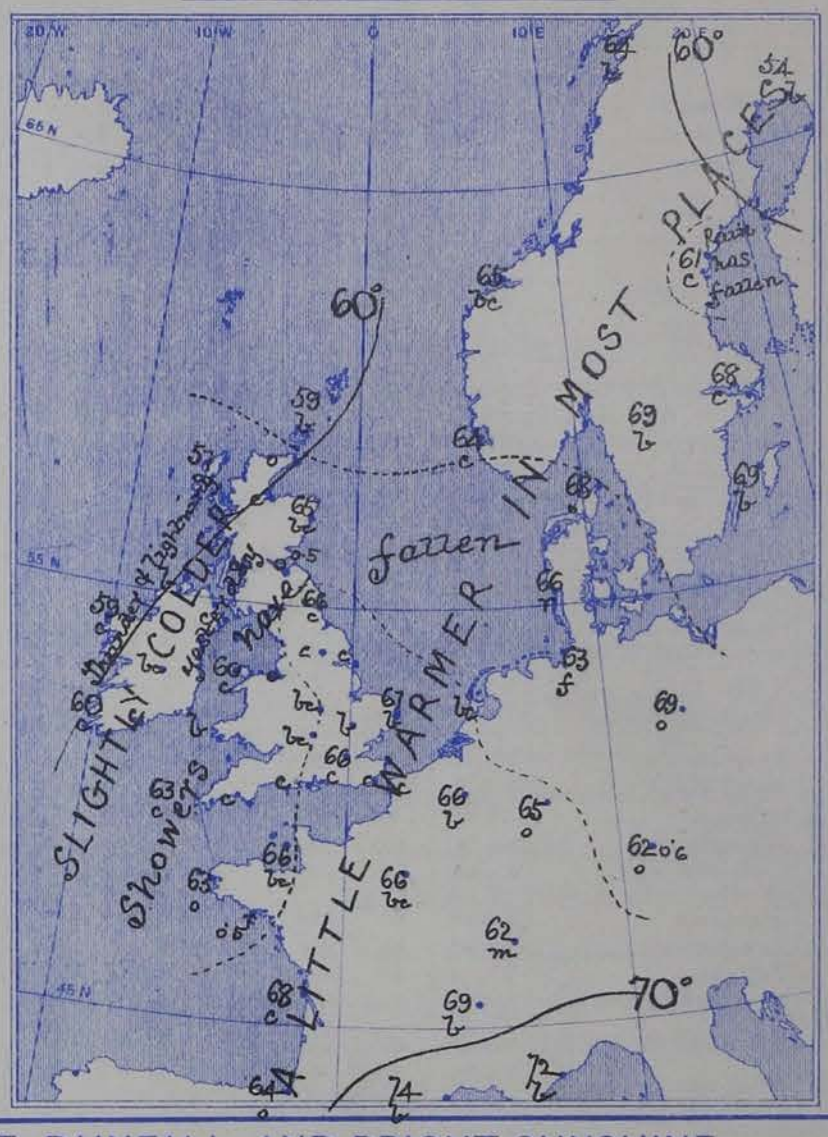
SEA—Rough ▤ ; *High* ▩



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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 upwards over Lapland; 30.1 ins. and upwards over S. Germany and also over Portugal.

Lowest 29.7 ins. and less in a shallow depression over Scotland; 29.8 ins. and less (apparently) in another disturbance approaching the south of Ireland.

Gradients slight. Barometer rising over W.n Europe generally but steady on our own extreme SW. coasts.

TEMPERATURE

Highest 74° at Perpignan, 72° at Nice and Lisbon, and 69° at Faerder, Karlstad, Wisby, Berlin and Lyons; highest in our Islands 68° at Spurn Head.

Lowest (1) 54° at Haparanda, and 61° at Hernösand; (2) 57° at Stornoway, and 58° at Donaghadee & Pembroke.

During yesterday the thermometer rose to between 70° and 75° in many parts of the United Kingdom, to 76° at Spurn Hd., and to 78° at York.

WIND

Light from the NW.wd. on most parts of our western and extreme northern coasts, but E. at Valencia (Ireland) and also in the west of France.

Light to moderate from the SW.wd. over the greater part of England, the Netherlands and Germany, from the S.wd. in Denmark, and from the SE.wd. or E.wd. in Scandinavia.

WEATHER

Fair or fine over W.rn Europe as a whole, but dull in Germany and Denmark, with rain at Faro.

Rain fell yesterday in all but the extreme S.rn and E.rn parts of the United Kingdom, — rather heavily in places. A thunderstorm occurred at Leith and also at Faro, and thunder was heard at many of our northern stations.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are indications of the advance of a shallow depression towards our extreme SW. coasts. Rain is likely to set in there shortly, and to spread later to all the more southern parts of the Kingdom.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. and NW. winds, light. fair generally, but perhaps local thundershowers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW. to S. or SE. winds, fair generally.
3	ENGLAND EAST	SW. to S. winds, light or moderate, fair at first, unsettled later, with some rain and perhaps thunder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	SW. to SE. winds, fair at first, then rainy and perhaps thundery
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as Nos. 0 and 1.
10	IRELAND SOUTH	E. winds, moderate, fair at first then 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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.82	74	47	SE	6	bc	4	Valencia	29.67	61	58	W	5	og	3
Sumburgh Head	29.57	59	58	SE	1	o	4	Scilly	29.76	68	63	WSW	4	c	3
Stornoway	29.49	70	66	SSW	3	c	3	Jersey	29.86	70	64	SW	4	bc	3
Aberdeen	29.59	65	61	S	2	bc	2	Hurst Castle ...	29.81	70	66	SW	4	bcm	3
Shields	29.61	73	63	S	3	c	2	Dungeness ...	29.84	69	65	SSW	4	c	3
Ardrossan	29.53	66	65	SE	3	bc	2	North Foreland	29.85	70	66	S	5	bc	4
Malin Head ...	29.46	65	64	W	1	c	0	London (Westminster)	29.78	73	64	SW	3	c	*
Belmullet	29.58	63	61	WNW	1	bc	*	Yarmouth ...	29.77	69	65	SSE	5	bc	4
Holyhead	29.61	67	63	SSW	4	bc	3	Rochefort ...	29.99	75	72	W	4	c	*

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

Weather in morning fine over the greater part of England and the Continent, but dull over N^rn and central Russia. Showery in the extreme SW. of our Islands and rainy at Aberdeen and Belmullet. Rain falling later in all but the extreme S^rn and E^rn parts of our Islands, as well as in Denmark, Germany and the N. of France, — heavily in places. Thunderstorms occurring at Leith and also at Fano and thunder heard over the N^rn parts of the United Kingdom generally.

Temperature fallen a little in our Islands and France, but risen in most other countries. Morning readings highest 80° at Leghorn, 79° at Sanguinaire, Brindisi and Algiers, and 78° at Patras; above 70° over S^rn Europe generally and just touching it at Faerder and Wisby. Lowest 44° at Archangel, 51° at Moscow, 52° at Kuopio, and 53° at Haparanda and Ulealorg. Rising during day to between 70° and 75° in many parts of our Islands and to 78° at York; exceeding 80° in Germany and the S. of France, and reaching 86° at Berlin.

Wind light to fresh from the SW^rd over the southern parts of our Islands, the Netherlands and the northern parts of France. S^ly or SE^ly over the N. of our Islands, as well as over Denmark, N. Germany and the greater part of Scandinavia. Light from the N^rd over Russia and Italy; calm or variable over Austria and the S. of France. Subsequently veering to the W^rd on our western coasts; no important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in three areas —, one lying over Finland and the N. of Scandinavia, another over Poland and E^rn Germany and the third over the S. of Spain. Lowest 29.5 ins. and less in a depression lying off our own W^rn coasts, 29.8 ins. and less in another disturbance over central Russia. Depression in west subsequently moving N^rds, but shallow secondary system advancing over our W^rn coasts in the latter part of 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.

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, 8th August, 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 ...	30·18	51	NE	0	f	30·16	−·07	59	51	+5	E	2	bc	m	f	m	63	37	0·04
	Hernösand ...	30·06	64	NE	0	b	29·98	−·17	63	61	+2	S	4	f	m	b	m	68	54	–
	Stockholm ...	30·09	64	E	2	c	30·01	−·08	69	66	+1	NE	0	0	m	c	m	77	61	–
	Wisby	30·10	65	SE	4	b	30·04	−·08	76	66	+7	S	4	0	m	b	m	77	52	–
	Karlstad ...	30·01	68	S	4	bc	29·97	−·05	66	63	−3	W	2	0	m	bc	m	m	m	0·28
	Bodö	29·94	64	?	4	b	29·93	−·03	63	57	−1	E	5	0	2	b	m	68	55	–
	Christiansund ...	29·92	61	NE	0	f	29·92	+·06	61	59	−4	NE	0	f	1	f	m	68	55	0·12
	Skudesnaes ...	29·89	64	SSE	4	0	29·90	+·04	63	62	−1	SSE	4	c	3	m0	m	70	61	m
	Færder (Christiania Fjord)	29·94	68	SSW	2	bc	29·96	+·02	68	65	−1	S	2	c	1	bc	m	69	64	0·47
	Skagen (The Scaw)	29·97	67	NE	0	c	29·97	+·04	66	64	−2	SSW	1	m	0	c	m	72	57	0·12
	Fanö	29·96	63	S	1	b	29·85	−·07	66	65	0	SE	4	c	m	b	m	73	61	0·12
	Sumburgh Head	29·73	61	NW	1	bc	29·73	+·08	58	58	−1	ESE	1	f	3	bc,b	m	65	52	–
	Stornoway ...	29·76	59	ESE	2	0	29·69	−·01	56	56	−1	ENE	3	0	3	0	1·8	62	53	0·03
	Wick	29·95	58	NW	1	c	29·72	+·03	56	56	−8	NW	1	f	0	c	m	66	52	–
	Nairn	29·74	60	E	1	f	29·69	+·03	58	57	−6	NE	0	0	0	f	m	68	54	0·28
	Aberdeen ...	29·75	59	NE	2	c	29·70	+·02	56	56	−9	E	1	0gp	2	c	4·8	70	56	0·01
	Leith	29·73	69	W	1	0	29·67	−·02	62	59	−2	NE	0	0	m	0	m	74	53	–
	Shields	29·76	67	WNW	2	f	29·66	−·08	63	59	−3	E	3	c	2	op, f	m	72	56	0·06
	Spurn Head ...	29·80	71	SW	4	c	29·66	−·14	60	60	−8	E	3	f	3	c	m	75	58	0·14
	York	29·79	69	S	1	c	29·66	−·13	62	57	−8	ESE	1	c	m	c	5·6	73	52	0·05
	Loughborough ...	29·82	67	SW	3	c	29·65	−·19	61	58	−5	ESE	1	om	m	c	m	71	52	–
British Islands.	Ardrossan ...	29·75	64	S	3	bc	29·64	−·09	62	61	+2	NE	1	bc	1	b,bc	m	68	53	–
	Malin Head ...	29·74	57	E	2	b	29·63	−·14	60	60	0	E	4	b	1	b	m	62	54	–
	Belmullet ...	29·79	61	NW	1	b	29·60	−·21	57	54	−2	ESE	1	0	m	b	m	66	52	–
	Donaghadee ...	29·78	58	SE	2	c	29·63	−·16	57	56	−1	ENE	3	c	1	c	m	62	52	–
	Liverpool (Bidston)	29·80	62	WNW	1	0	29·61	−·20	58	55	−2	E	3	f	?	0	m	65	56	0·08
	Holyhead ...	29·80	59	SW	2	c	29·57	−·24	59	58	−1	E	3	0gp	1	c	m	64	54	0·03
	Parsonstown ...	29·74	65	NE	0	c	29·56	−·28	57	55	−2	NW	1	0	m	c	5·4	65	53	0·24
	Valencia ...	29·68	60	SE	3	0g	29·61	−·21	62	60	+2	SW	2	bc	3	ov, 0g	2·4	65	55	0·14
	Roche's Point ...	29·74	62	SSE	4	f	29·60	−·24	62	59	−1	NNW	3	b	3	p	m	66	56	0·25
	Pembroke (St. Ann's Hd.)	29·80	63	W	3	bc	29·54	−·31	61	60	+3	W	5	op	5	bc	?	63	57	0·44
	Scilly	29·77	64	SSE	3	0f	29·69	−·25	64	61	+1	W	4	c	3	c, 0f	5·2	70	60	0·36
	Prawle Point ...	29·84	62	SE	3	c	29·59	−·33	61	61	+1	W	4	cp	3	cp	m	65	58	0·23
	Jersey (St. Aubin's)	29·85	66	SE	2	0	29·58	−·39	63	62	−3	SW	4	f	3	c, op	m	67	59	0·58
	Hurst Castle ...	29·87	66	S	3	c	29·58	−·34	63	62	−2	SSW	6	rm	3	c	m	72	61	0·36
	Dungeness ...	29·89	64	S	1	c	29·68	−·25	62	62	−3	SSW	2	cp	1	c	m	70	64	0·28
	North Foreland	29·90	68	S	2	c	29·67	−·27	63	61	−4	SE	2	0	2	bc,c	m	73	60	0·32
	London (Brixton) ...	29·86	68	S	2	c	29·62	−·29	64	62	−2	S	1	op	m	cp, bc	9·3	76	60	–
	Oxford	29·84	63	S	2	bc	29·59	−·29	59	58	−5	ESE	1	f	m	bc	m	70	56	0·14
	Cambridge ...	29·84	71	S	2	b	29·66	−·22	63	61	−2	S	1	0g	m	b	10·5	78	58	–
	Yarmouth ...	29·84	69	S	3	b	29·69	−·18	63	62	−4	ESE	3	c	3	b	m	72	60	0·11
Germany & Holland.	Cuxhaven ...	29·97	72	N	1	0	29·85	−·10	67	66	+4	SE	3	c	m	0	m	77	63	0·16
	Berlin	30·01	67	NW	2	f	29·95	−·04	73	66	+4	W	0	c	m	f	m	81	66	0·04
	Wiesbaden ...	m	m	m	m	m	29·91	−·15	64	61	−1	SE	1	0	m	m	m	77	59	–
	Munich	30·11	65	E	2	bc	30·04	−·13	66	63	+4	SW	1	b	m	bc	m	73	57	–
	The Helder ...	29·92	70	SW	1	b	29·74	−·17	67	64	0	SSE	1	f	1	b	m	72	61	–
Belgium.	Brussels ...	m	m	m	m	m	29·74	−·26	62	62	−4	SE	3	f	m	b	m	76	60	0·16
	Cape Gris Nez ...	29·89	65	W	0	c	29·69	−·25	62	61	−1	S	2	0	1	c	m	70	59	0·39
	Paris	29·93	72	S	2	bc	29·81	−·22	64	63	−2	SW	3	f	m	bc	m	78	62	0·28
	Brest	29·84	63	SSE	1	0	29·70	−·27	61	61	−2	WSW	4	f	4	0	m	70	59	0·55
	Lorient	29·80	64	NNW	2	f	29·75	?	69	61	0	W	4	0m	5	f	m	70	59	1·69
France &	Rochefort ...	29·92	71	SW	5	f	29·92	−·08	67	66	−1	WSW	6	f	m	f	m	75	64	1·38
	Belfort	29·94	71	W	0	0	29·96	−·12	62	60	0	SW	4	0	m	0	m	77	58	0·16
	Lyons	29·96	70	SW	1	f	30·03	−·02	65	63	−4	S	2	0	m	f	m	85	63	0·12
	Nice	29·98	74	S	2	c	30·02	+·01	71	63	−1	W	0	0	0	c	m	84	66	–
	Perpignan ...	30·02	74	SW	1	0	30·08	+·04	74	68	0	W	1	0	m	0	m	82	66	–
	Biarritz ...	30·01	74	WNW	3	0	30·01	+·02	71	69	+7	WSW	2	0	4	0	m	81	64	–
Penin-sula.	Corunna ...	30·11	73	W	3	bc	30·13		70	65		SW	3	0	3	bc	m	75	61	–
	Lisbon	30·19	70	NNW	3	c	30·20	+·02	71	64	−1	N	4	b	m	c	m	81	66	–
	Azores (P. Delgada)	30·28	73	NNW	3	0	30·28	+·38	72	70	0	SW	4	c	3	c	m	77	70	–

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

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

Bright Sunshine yesterday Southport 4·3 hrs;

WEATHER CHARTS

FOR ..... Sunday 8th August 1897.

BAROMETER, WIND AND SEA.

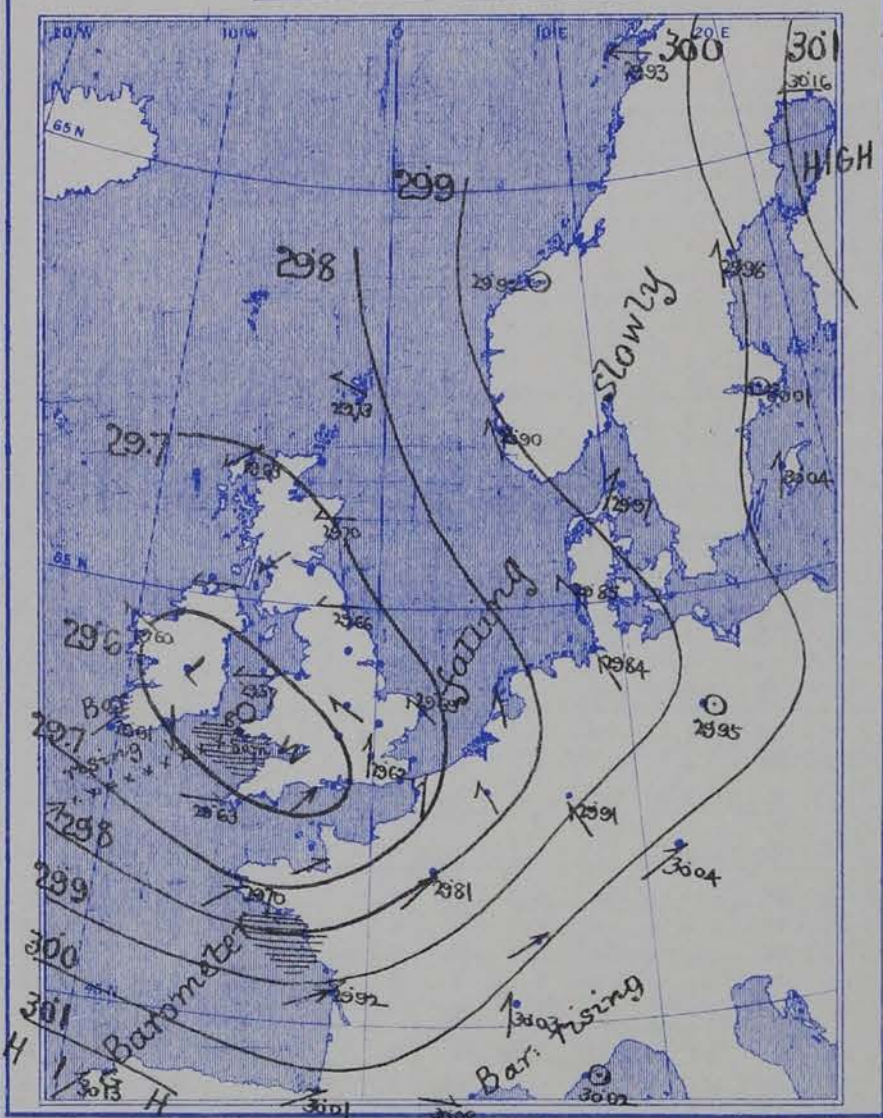
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

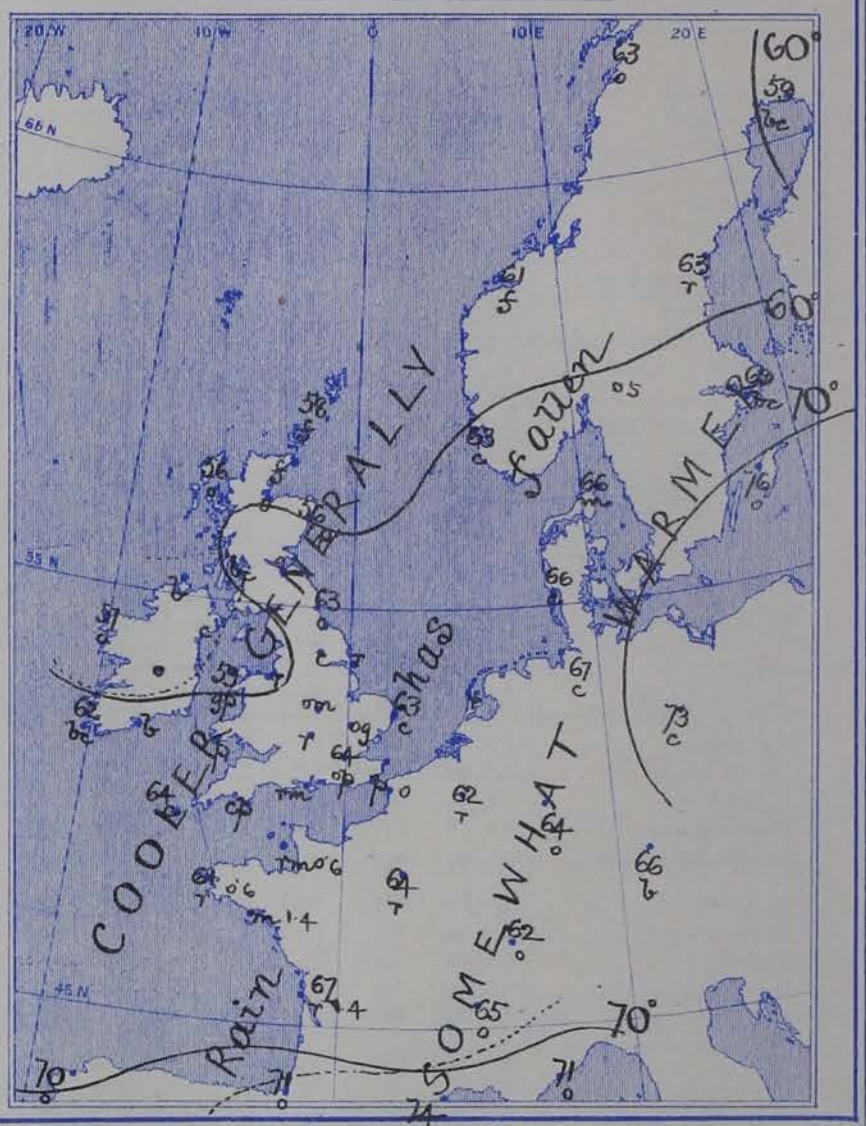


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·767	53·4	51·8	57·7	48·5	69	1880	38	1885, 95	3·44	—	—
Stornoway	29·782	55·0	53·5	59·8	49·1	74	1876	33	1888	3·77	117·4	25
Wick	29·798	55·3	53·4	61·2	48·6	85	1893	30	1886	2·68	—	—
Nairn	29·803	55·7	53·0	63·6	50·1	81	1887	33	1885, 91	2·80	—	—
Aberdeen	29·819	56·6	53·5	63·1	50·2	81	1880, 82	33	1885	3·15	151·1	33
Leith	29·835	57·6	54·4	65·8	51·3	85	1893	37	1874	2·74	—	—
Shields	29·858	57·3	54·6	63·9	51·7	83	1893	39	1892	2·86	—	—
Spurn Head	29·894	58·9	56·6	64·4	54·9	87*	1893	46*	1887, 90	1·84	—	—
York	29·895	57·8	55·1	67·8	51·4	89	1876	37	1887	2·62	145·1	32
Loughborough	29·923	59·2	56·3	70·3	52·0	91*	1893	38*	1885, 87, 88	2·50	—	—
Ardrossan	29·843	57·3	55·0	63·4	52·8	84	1872	38	1881	3·91	—	—
Malin Head	29·839	56·1	53·9	61·7	54·0	—	—	—	—	—	—	—
Belmullet	29·867	57·8	55·2	62·5	54·1	—	—	—	—	4·62	—	—
Donaghadee	29·869	56·9	55·4	62·5	52·6	77	1890	38	1886	3·27	—	—
Holyhead	29·898	58·4	56·2	64·0	54·7	83	1893	45	1888	2·98	—	—
Liverpool	29·898	58·6	55·3	65·6	54·3	85	1876, 84, 93	44	1885	2·87	—	—
Parsonstown	29·908	57·2	55·1	65·7	51·5	82	1893	35	1885, 87	3·67	131·0	29
Valencia	29·921	59·3	56·9	64·4	54·2	80	1893	42	1890	4·85	146·0	33
Roche's Point	29·921	58·8	56·3	65·7	53·9	80	1880	44	1883	4·03	—	—
Pembroke	29·923	58·6	56·6	63·0	55·6	78	1874	47	1885, 88	2·88	188·8	42
Scilly	29·958	60·9	58·8	64·9	56·9	75	1893	50	1885, 90, 95	2·54	—	—
Prawle Point	29·968	60·0	57·9	65·1	54·5	82*	1887	43*	1888	2·24	—	—
Jersey	29·987	63·0	59·7	68·8	57·2	89	1893	45	1890	2·44	241·2	55
Hurst Castle	29·962	61·2	59·0	68·1	56·0	82	1876, 93	43	1877	2·37	—	—
Dover	29·945	61·9	58·7	67·3	56·6	80	1887, 94	39	1890	2·07	—	—
LONDON	29·951	60·9	57·3	71·6	53·5	96	1876	39	1887, 90	2·36	160·9†	36†
Oxford	29·944	58·8	55·9	69·1	53·0	90	1876	39	1892	2·32	182·9	41
Cambridge	29·933	59·9	57·1	71·1	51·9	95	1876	39	1876, 77, 81, 90	2·39	180·5	40
Yarmouth	29·920	60·5	57·5	66·3	54·7	85	1893	42	1876, 85	2·30	—	—

* 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 30.20 ins. at Lisbon; 30.1 ins. and upwards over the greater part of the Spanish peninsula & also in Zapland
Lowest 29.6 ins. and less in a depression lying over all the more southwestern parts of our islands
Gradients slight generally, but moderate over the north of France.
Barometer falling in most places, but rising over the Spanish peninsula and the south of France as well as in the south of Norway; rising again also at Valencia (Ireland)

TEMPERATURE

Highest (1) 76° at Whitby, 73° at Berlin, and 69° at Stockholm; (2) 74° at Perpignan, and 71° at Nice, Biarritz and Lisbon
Lowest 56° at Stornoway, Wick and Aberdeen, 57° at Belmullet, Donaghadee and Parsonstown, and 58° at Nairn and Liverpool.
During yesterday the thermometer rose to between 70° and 75° in many parts of Gt. Britain, to 76° in London, and to 78° at Cambridge.

WIND

Moderate to fresh from the W^nd^ over the southwest of England and the W. of France; light from the SW^wt^ over central France.
SE^ly^ in the extreme southeast of England and also over the Netherlands and the E^rn^ shores of the North Sea; E^ly^ over the N^rn^ parts of our Islands and also at several stations in the N. of Scandinavia.

WEATHER

Cloudy and unsettled over W^rn^ Europe as a whole, with rain in many parts of England, France and the Netherlands, as well as at Hernösand; foggy on the N. coast of Scotland and also at Christiansund
Fine in the S. of Ireland and also on our extreme NW. coasts.
Since yesterday morning rain has fallen in many parts of our area, the largest amounts being 1.7 ins. at Lorient, 1.4 ins. at Rochefort, and 0.6 ins at Jersey and Brest.

SEA

Slight or smooth generally, but rather rough at Pembroke and also at Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.89	69	66	S	6	m	?	Valencia	29.76	63	61	SSE.	4	ov	4
Sumburgh Head	29.72	64	61	WSW	1	b	3	Scilly	29.81	69	64	SE.	3	c	2
Stornoway	29.75	62	58	W	0	0	0	Jersey	29.92	67	63	SSE	3	c	3
Aberdeen	29.73	62	60	E	3	c	2	Hurst Castle ...	29.92	69	63	SW	3	c	2
Shields	29.77	69	61	SW	2	o	2	Dungeness ...	29.93	68	64	WSW	4	c	3
Ardrossan	29.77	67	66	W	3	b	2	North Foreland	29.92	72	65	S	3	bc	3
Malin Head ...	29.77	62	57	E	3	b	1	London (Westminster)	29.88	73	61	SW	3	cv	*
Belmullet	29.80	66	57	NW	1	b	*	Yarmouth ...	29.87	70	68	SSE.	4	o	8
Holyhead	29.84	63	59	SW	2	c	1	Rochefort ...	30.01	68	64	S	4	r	*

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

Weather in morning fair or fine over our islands and the Continent as a whole, but dull in the W. of France and also in Denmark and N. Germany, with rain at Lorient and Faro. Showers falling later at several of our northern and eastern stations, and steady rain over the W. and S. of our islands and the greater part of France; amounts measured next morning as large as 1.7 ins. at Lorient, and 1.4 ins. at Rochefort.

Temperature fallen a little in the western parts of our Islands and France, but risen in most other localities. Morning readings highest 82° at Athens, 81° at Barcelona and Spa, and 80° at Palma, Trieste, Patras and Algiers; above 70° over southern Europe generally and very little below it over Denmark, N. Germany and the S. of Scandinavia. Lowest (1) 44° at Archangel, 50° at Moscow, and 54° at Haparanda; (2) 57° at Stornoway, and 58° at Donaghadee and Pembroke. Rising during day to between 70° and 75° in many parts of Gt. Britain, and reaching 78° at Cambridge. Exceeding 80° in some parts of Germany as well as over southern Europe generally.

Wind light from the NW^wd. in the west and extreme N. of our islands generally, from the SW^wd. over England, the Netherlands, Germany and the N. of France, from the S^wd. in Denmark and from the SE^wd. or E^nd. in Scandinavia. N^y. or NW^y. in Russia and also in many parts of S^rn. Europe, but calm over Austria, N^rn. Italy and the S. of France. Subsequently backing to the S^wd. over England and France, and to the SE^nd. on our extreme southwest coasts; shifting to the E^wd. or NE^nd. in Scotland and the N. of Ireland.

Barometer highest 30.1 ins. to 30.2 ins. and upwards in an anticyclone lying over Finland, the Gulf of Bothnia and the N^rn. parts of the Baltic, as well as in other systems lying respectively over Moldavia, Switzerland and the SW^rn. parts of the Spanish peninsula. Lowest 29.7 ins. and less in a shallow depression lying over and to the N^wd. of Scotland; 29.9 ins. and less in another system over central Russia. Scotch depression subsequently moving N^wds. and filling up; new disturbance approaching our SW. coasts, and barometer falling later over France and the S. 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 Monday, 9th August, 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 ...	29.98	56	E	2	0	29.88	-.28	49	49	-10	E	4	r	*	0	*	61	46	0.24
	Hernösand ...	29.88	62	SW	0	b	29.81	-.17	61	60	-2	NE	2	f	*	b	*	70	57	-
	Stockholm ...	29.89	66	SW	0	bc	29.78	-.23	68	66	-1	ESE	2	0	*	bc	*	77	61	0.04
	Wisby	29.89	67	S	4	b	29.75	-.29	73	67	-3	SSE	4	b	*	b	*	79	59	-
	Karlstad ...	29.84	72	E	2	b	29.71	-.26	69	65	+3	ENE	2	0	*	b	*	*	*	-
	Bodö	29.86	56	E	6	r	29.83	-.10	54	53	-9	E	4	r	2	r	*	63	50	0.71
	Christiansund ...	29.85	66	NE	1	c	29.78	-.14	61	50	0	NE	2	b	1	c	*	68	55	-
	Skudesnaes ...	29.76	67	N	4	c	29.63	-.27	63	61	0	N	4	r	2	c	*	70	61	*
	Færder (Christiania Fjord)	29.82	68	SW	0	0	29.64	-.32	66	64	-2	NE	2	r	2	0	*	72	64	0.28
	Skagen (The Scaw)	29.77	67	ENE	1	bc	29.58	-.39	69	66	+3	S	3	0	0	bc, tlr	*	88	66	0.16
	Fano	29.82	66	ESE	4	c	29.64	-.41	65	63	-1	S	4	c	*	tlr c	*	79	63	1.50
	Sumburgh Head	29.71	59	E	1	0	29.70	-.03	58	56	0	NE	1	0	3	0	*	61	55	-
	Stornoway ...	29.68	61	ENE	1	0	29.75	+.06	57	57	+1	N	3	0	3	c.o	4.3	65	54	-
	Wick	29.71	58	NW	2	f	29.74	+.02	58	58	+2	NW	2	a	1	f	*	63	54	0.05
	Nairn	29.65	61	E	1	c	29.72	+.03	57	56	-1	SW	0	c	1	f	*	64	53	0.01
	Aberdeen ...	29.65	62	NE	1	b	29.71	+.01	58	55	+2	N	3	0g	2	c.b.r	5.0	65	56	0.03
British Islands	Leith	29.63	65	SW	0	b	29.71	+.04	59	55	-3	S	1	bcm	*	b	*	66	53	-
	Shields	29.61	61	NNE	2	c	29.71	+.05	62	58	-1	NW	2	c	2	c	*	66	54	-
	Spurn Head ...	29.53	61	NE	3	om	29.68	+.02	63	62	+3	NNW	5	b	4	omr	*	63	57	0.19
	York	29.58	61	NNE	1	0	29.70	+.04	63	57	+1	NW	2	b	*	0	1.0	69	54	-
	Loughborough ...	29.54	62	N	3	0	29.76	+.11	62	60	+1	NNW	2	b	*	r.2.0.bc	*	64	56	0.36
	Ardrossan ...	29.62	68	W	1	b	29.72	+.08	62	61	0	W	3	b	2	b	*	72	54	-
	Malin Head ...	29.69	59	N	3	bc	29.81	+.18	59	57	-1	NNW	4	c	2	bc	*	62	55	-
	Belmullet ...	29.73	64	NE	1	b	29.87	+.27	61	59	+4	SSW	1	b	*	o.b	*	67	?51	-
	Donaghadee ...	29.66	63	NW	4	bc	29.80	+.17	60	57	+3	NW	4	b	2	bc	*	70	52	-
	Liverpool (Bidston)	29.59	63	NW	2	c	29.78	+.17	60	56	+2	W	3	c	3	cpm	*	64	58	0.03
	Holyhead ...	29.62	61	N	3	b	29.81	+.24	60	58	+1	NW	2	bc	1	b	*	64	57	0.03
	Parsonstown ...	29.68	66	SW	0	c	29.86	+.30	55	54	-2	SW	0	c	*	c.m	2.3	67	50	0.01
	Valencia ...	29.71	62	W	3	0	29.89	+.28	61	58	-1	NW	2	c	3	c.o	7.2	65	55	0.01
	Roche's Point ...	29.70	68	NNW	3	b	29.87	+.27	63	61	+1	NNW	2	bc	3	b	*	69	57	-
	Pembroke (St. Ann's Hd.)	29.57	60	NNW	5	r	29.85	+.31	61	59	0	NW	4	bc	4	c.r	3.4	63	58	0.03
	Scilly	29.76	64	W	5	cp	29.90	+.27	63	60	-1	W	3	cp	3	cp	10.3	67	59	0.11
	Prawle Point ...	29.72	63	WSW	5	bc	29.88	+.29	64	61	+3	W	4	cm	4	c	*	68	58	-
	Jersey (St. Aubin's)	29.75	65	W	5	bc	29.93	+.25	65	62	+2	WSW	4	bc	3	c.bc	*	67	60	0.12
	Hurst Castle ...	29.62	65	W	5	cqp	29.83	+.25	66	63	+3	WSW	4	c	2	c.tlr, qp	*	72	60	0.05
	Dungeness ...	29.56	64	W	4	c	29.76	+.08	64	61	+2	W	3	c	3	cp	*	66	61	0.24
Germany & Holland	North Foreland	29.53	65	SSW	5	bc	29.74	+.07	63	60	0	W	4	0	3	r. bc	*	71	59	0.40
	London (Brixton) ...	29.54	62	SW	2	0	29.79	+.17	61	59	-3	W	2	o	*	ortl.c.qp	3.0	70	58	0.68
	Oxford	29.58	60	WNW	1	0	29.79	+.20	61	59	+2	W	2	0g	*	t, qp	*	66	58	0.77
	Cambridge ...	29.48	61	SW	1	r	29.75	+.09	64	60	+1	W	2	b	*	0 r	0.0	67	58	0.34
	Yarmouth ...	29.49	63	SE	3	r	29.66	-.03	64	62	+1	NNW	4	bc	3	r	*	65	58	0.45
	Cuxhaven ...	29.60	68	S	4	bc	29.52	-.33	61	59	-6	S	5	c	*	r. bc	*	75	59	0.28
	Berlin	29.76	67	SE	1	c	29.70	-.25	65	62	-8	SSW	4	bc	*	c	*	84	63	1.22
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29.99	62	W	2	r	29.97	-.07	60	57	-6	SW	5	c	*	r	*	75	57	0.39
	The Helder ...	29.51	65	N	3	r	29.47	-.27	62	61	-5	NW	6	r	3	r	*	70	63	0.95
France & Belgium.	Brussels ...	*	*	*	*	*	29.71	-.03	63	60	+1	WSW	4	0	*	0	*	68	58	0.67
	Cape Gris Nez ..	29.57	62	W	6	c	29.74	+.05	61	59	-1	WNW	5	0	5	c	*	64	59	0.43
	Paris	29.75	69	W	4	bc	29.90	+.09	62	57	-2	SW	4	c	*	r.bc	*	71	58	0.67
	Brest	29.87	65	W	4	c	29.99	+.29	61	59	0	WNW	2	b	4	c	*	66	57	0.16
	Lorient	29.88	65	W	5	c	29.99	+.24	64	60	+1	WNW	4	b	5	c	*	68	59	0.39
	Rochefort ...	30.11	67	NE	3	b	30.03	+.11	67	65	0	NW	4	c	*	r. b	*	70	61	0.43
	Belfort ...	29.84	65	W	5	0	29.93	-.03	60	57	-2	WSW	6	0	*	0	*	69	55	0.24
	Lyons ...	29.98	66	SSE	1	0	30.07	+.04	61	58	-4	W	1	0	*	0	*	74	60	0.04
	Nice	29.93	74	SW	0	c	29.84	-.18	73	60	+2	SW	1	b	4	c	*	81	70	-
	Perpignan ...	30.03	75	SW	0	0	30.07	-.01	79	66	+5	NW	2	0	*	0	*	?	69	0.08
	Biarritz ...	30.06	73	WNW	3	b	30.08	+.07	70	69	-1	WSW	4	0	3	b	*	82	66	0.20
Peninsula	Corunna ...																*			
	Lisbon	30.17	69	NNW	4	b	30.14	-.06	73	67	+2	N	4	b	*	b	*	79	66	-
	Azores (P. Delgada)	30.30	72	SSW	4	c	30.26	-.02	72	69	0	SW	4	c	3	c	*	77	70	-

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

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

Bright Sunshine yesterday Southport, 0.0 hrs.

WEATHER CHARTS

FOR Monday, 9th August 1897.

BAROMETER, WIND AND SEA.

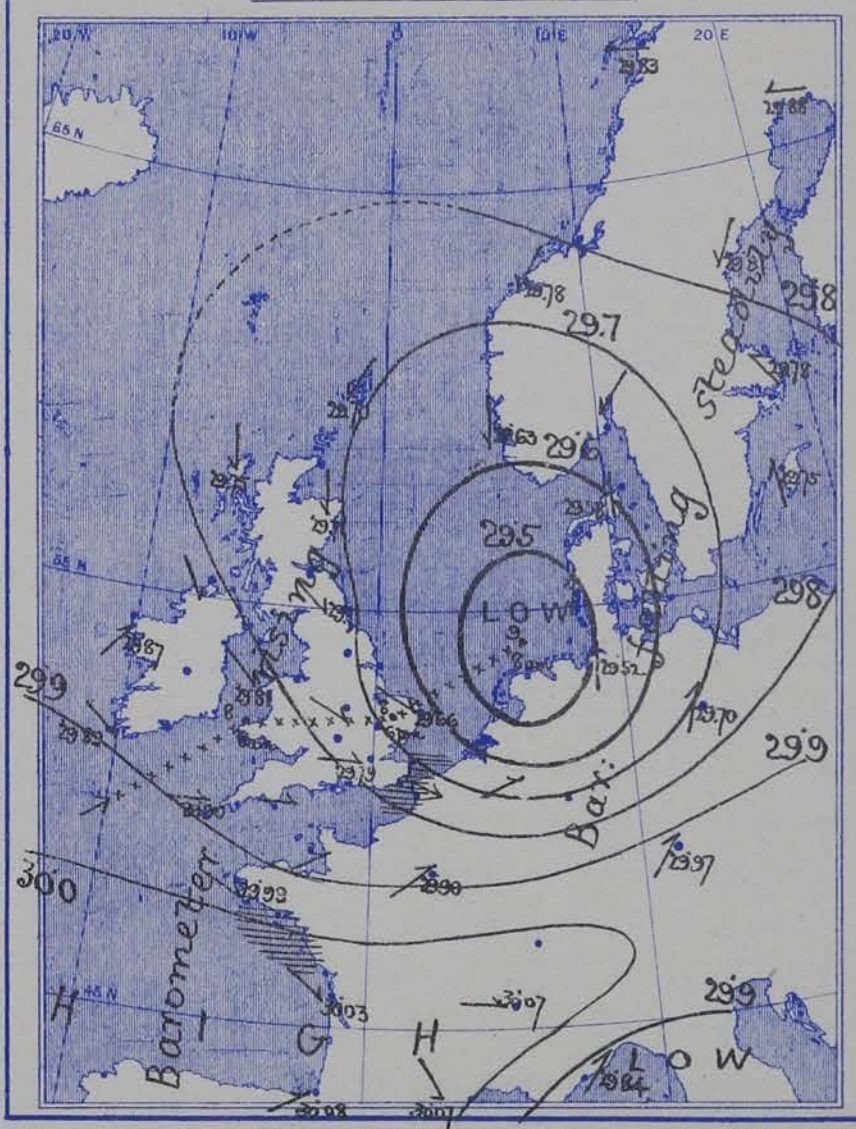
BAROMETER—Isobars are drawn for each tenth of an inch.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 the Bay of Biscay and all the more S.W. parts of France.
Lowest 29.5 ins. and less in a well marked depression over the S.W. part of the North Sea.
Gradients slight generally, but moderate over Germany and the Netherlands.
Barometer rising in our Islands and France, but falling in Scandinavia, Denmark & Germany.

TEMPERATURE

Highest (1) 79° at Perpignan, 73° at Nice, and 70° at Biarritz; (2) 73° at Wisby, and 69° at Karlstad & the Lowest (1) 49° at Haparanda, 54° at Bodö (2) 55° at Parsonstown, 57° at Stornoway and Nairn and Scaw. 58° at Sumburgh Head, Wick and Aberdeen.
The maxima registered yesterday were below 70° over our islands as a whole. At Ardrossan and Hurst Castle, however, the thermometer rose to 72°.

WIND

Light to moderate from the NW. and N. on most parts of our western and northern coasts, and also in the west of France.
W. over the Netherlands and the central and southern parts of England; S. in Denmark and N. Germany; E. or NE. in Scandinavia.

WEATHER

Fair or fine over the greater part of our Islands, France and Germany, but dull in the southeast of England, and also in the extreme north of Scotland.
Dull over Scandinavia, Denmark and the Netherlands, with rain in many places.
Heavy rain fell yesterday at some of our own S. stations, and also over the neighbouring parts of the Continent, with thunderstorms in places. The largest amounts of rain measured this morning were 1·5 ins. at Faaö, 1·2 ins. at Berlin, 1·0 in at the Helder, and 0·8 in. at Cosford.

SEA

Moderate to smooth generally, but rather rough at Cape Gris Nez and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over our islands yesterday has travelled on to the southern parts of the North Sea. There are at present no distinct signs of the advance of any fresh disturbance, but the general conditions remain somewhat unsettled.

FORECASTS

For the 24 hours ending at NOON on 10TH AUGUST 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. to W. winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W. to NW. winds light; fine generally, warmer.
6	SCOTLAND WEST	NW. winds, backing later; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	NW. to SW. winds, moderate; fine at first, some rain 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 ...	29.85	69	68	S	4	bc	3
Sumburgh Head							
Stornoway	29.68	65	62	ESE	1	c	1
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.67	60	58	E	4	bc	1
Belmullet	29.70	62	58	N	1	0	*
Holyhead ...							

	BAR.	THER Dry.	THER Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.72	67	64	W	5	c	4
Hurst Castle ...							
Dungeness ...	29.53	64	63	WSW	5	c	4
North Foreland	29.55	63	61	SSW	3	2	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.91	67	65	WSW	6	2	*

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

Continental information not received

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 1ST TO 7TH AUGUST 1897.

At the commencement of the week the anticyclone previously noticed over our Islands drifted away to the NE^wd., its place being, however, soon taken by a new one which spread in from the Atlantic and which ultimately embraced the greater part of W^rn Europe. In the brief interval separating the departure of the old system and the arrival of the new one, a very shallow depression was developed over our extreme N^rn districts, and on the night of the 1st or on the 2nd thunderstorms of considerable severity were experienced all over the N. of Scotland.

In other localities the weather remained fine and dry, with a gradual but very decided rise of temperature. On the 2nd and 3rd maximum temperatures ranging between 80° and 85° were reported in many parts of England, while on the 4th and 5th the latter point was surpassed, the highest reading shown by the telegraphic reporting stations being 90° at Cambridge on both days.

The anticyclone was in the meantime passing away to the E^wd. and after the 3rd a rather well marked depression spread gradually over our islands from the Atlantic, the main disturbance being accompanied by several secondary systems. The weather now became very unsettled, thunderstorms and heavy local falls of rain being experienced in Scotland on the 4th in nearly all parts of Gt. Britain on the 5th and again the N^rn half of the Kingdom on the 6th. Temperature fell rather decidedly, the maximum readings over England on the 6th being from 10° to 13° lower than those of the previous day.

At the close of the week the depression was moving away to the N, but a new disturbance was approaching our SW. coasts and rainy weather was setting in over the extreme S^rn parts of the Kingdom generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

for 8 a.m. on Tuesday August 10th 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 ...	29.86	50	NE	4	o	29.89	+.01	52	50	+3	N	2	o	*	o	*	57	48	0.63
	Hernösand ...	29.83	63	2	o	o	29.82	+.01	60	58	−1	E	6	+	*	o	*	72	54	0.04
	Stockholm ...	29.73	68	SE	2	bc	29.71	−.07	72	69	+4	SE	4	o	*	bc	*	79	61	—
	Wisby	29.74	68	SSE	4	bc	29.71	−.04	70	65	−3	S	4	c	*	bc	*	82	59	—
	Karlstad ...	29.66	68	NE	2	o	29.65	−.06	64	63	−5	NE	2	+	*	0.+f	*	*	*	0.71
	Bodö	29.89	57	2	o	bc	29.88	+.05	59	51	+5	E	4	b	1	bc	*	59	52	0.08
	Christiansund ...	29.68	62	ENE	4	c	29.69	−.11	60	56	−1	NE	2	b	1	c	*	70	55	—
	Skudesnaes ...	29.58	66	2	o	o	29.63	0.0	63	62	0	NW	2	+	1	c.o	*	75	61	*
	Færder (Christiania Fjord)	29.62	66	ESE	2	o	29.64	0.0	67	65	+1	ESE	2	o	1	o	*	70	64	1.18
	Skagen (The Scaw)	29.60	70	SSW	2	bc	29.62	+.04	68	64	−1	SE	1	c	o	bc	*	77	61	—
	Fanö	29.55	62	N	1	b	29.65	+.21	64	61	−1	NW	4	b	*	b	*	75	59	—
	Sumburgh Head	29.72	58	N	2	o	29.76	+.06	56	56	−2	N	3	o	4	o	*	61	53	0.02
	Stornoway ...	29.82	58	NW	3	o	29.85	+.10	55	54	−2	NNW	2	o	2	o	0.6	61	53	—
	Wick	29.82	57	NE	2	o	29.84	+.13	58	55	o	N	3	o	1	o	*	64	53	—
	Nairn	29.79	63	NNW	2	bc	29.85	+.13	58	57	+1	W	1	o	1	bc	*	71	52	—
	Aberdeen ...	29.77	61	N	2	c	29.86	+.15	61	56	+3	NW	2	b	2	c	3.7	69	54	—
BRITISH ISLANDS.	Leith	29.81	71	W	1	c	29.84	+.16	61	57	+2	W	2	bc	*	c	*	76	52	—
	Shields	29.79	61	NNE	2	c	29.88	+.17	61	57	−1	NNW	2	c	2	bc.c	*	64	53	—
	Spurn Head ...	29.78	62	N	3	b	29.90	+.22	62	60	−1	NW	1	c	2	b	*	68	56	—
	York	29.78	69	NNW	2	b	29.90	+.20	58	56	−5	W	1	bc	*	b	13.0	73	51	—
	Loughborough ...	29.85	69	NNW	3	b	29.94	+.18	60	57	−2	NNW	2	bmc	*	bc.bm	*	74	49	—
	Ardrossan ...	29.80	64	NNW	4	b	29.86	+.14	61	60	−1	W	1	b	1	b	*	69	52	—
	Malin Head ...	29.88	60	NNW	3	b	29.86	+.05	57	55	−2	E	2	c	1	b	*	61	52	—
	Belmullet ...	29.92	64	NW	1	b	29.86	−.01	57	56	−4	NNW	1	o+	*	b	*	67	52	0.06
	Donaghadee ...	29.88	61	NW	4	b	29.90	+.10	58	55	−2	NW	3	b	1	b	*	68	43	—
	Liverpool (Bidston)	29.89	63	NNW	2	b	29.91	+.13	66	57	+6	S	1	b	2	b	*	66	53	—
	Holyhead ...	29.88	62	SW	2	b	29.89	+.08	64	61	+4	S	3	cm	2	b	*	65	54	—
	Parsonstown ...	29.88	69	2	o	c	29.84	−.02	59	58	+4	Z	o	to	*	c	8.0	70	54	0.09
	Valencia ...	29.91	62	W	2	bcv	29.76	−.13	57	56	−4	E	2	tm	3	bcv	13.3	64	52	0.440
	Roche's Point ...	29.90	62	SW	3	bc	29.80	−.07	60	60	−3	SE	4	+	4	bc	*	70	51	0.02
	Pembroke (St. Ann's Hd.)	?	62	SW	2	c	29.91	+.06	62	60	+1	SSE	3	c	3	c	3.7	64	58	—
	Scilly	29.95	56	WSW	1	bc	29.86	−.04	66	65	+3	S	2	cf	1	c.bc	12.4	68	60	—
	Prawle Point ...	29.94	64	SW	3	b	29.94	+.06	62	60	−2	SE	1	c	2	bm.c	*	67	55	—
	Jersey (St. Aubin's)	29.98	65	WSW	3	b	29.97	+.04	66	64	+1	SSE	3	om	3	b	*	68	58	—
	Hurst Castle ...	29.90	68	WSW	4	c	29.96	+.13	66	63	o	WSW	2	c	1	cg.c	*	74	56	—
	Dungeness ...	29.85	65	WSW	5	c	29.95	+.19	64	62	o	SW	4	c	3	c	*	72	58	—
	North Foreland	29.85	72	W	3	bc	29.97	+.23	65	61	+2	SW	2	bc	2	bc	*	74	56	—
	London (Brixton) ...	29.85	71	WSW	2	c	29.94	+.15	62	59	+1	WSW	1	b	*	c.w	2.2	75	52	—
	Oxford	29.90	64	WSW	3	bc	29.94	+.15	63	57	+2	W	1	bc	*	bc	*	73	56	—
	Cambridge ...	29.84	71	WSW	2	b	29.95	+.20	62	55	−2	W	1	bw	*	b	0.9	75	51	—
	Yarmouth ...	29.79	67	NNW	2	b	29.91	+.25	62	58	−2	WNW	3	b	2	b	*	72	56	—
GERMANY & HOLLAND.	Cuxhaven ...	29.53	66	W	3	c	29.72	+.20	64	62	+3	NW	6	o	*	cf	*	68	59	0.12
	Berlin	29.68	66	SW	5	c	29.80	+.10	61	59	−4	W	4	+	*	c	*	75	59	0.04
	Wiesbaden ...	*	*	*	*	*	29.98		62	59		SW	1	b	*	*	*	68	57	0.04
	Munich	30.05	53	W	4	o	30.15	+.18	59	57	−1	W	4	c	*	o	*	68	55	0.55
	The Helder ...	29.79	63	WNW	5	bc	29.91	+.44	62	59	o	WNW	3	bc	2	bc	*	64	61	—
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	30.01	+.30	60	58	−3	SW	3	o	*	b	*	71	55	—
	Cape Gris Nez ...	29.85	62	W	5	c	29.95	+.21	61	60	o	SW	2	o	2	c	*	66	59	—
	Paris	30.02	70	W	2	bc	30.03	+.13	62	59	o	SSE	1	c	*	bc	*	75	53	—
	Brest	29.97	62	SSW	2	f	29.99	0.0	63	63	+2	WSW	2	c	4	f	*	70	59	0.04
	Lorient	30.01	63	W	3	f	29.99	0.0	65	64	+1	WNW	2	c	5	f	*	73	61	0.12
	Rochefort ...	30.06	68	W	3	o	30.05	+.02	67	65	o	WNW	3	bc	*	o	*	73	61	0.08
	Belfort	29.98	63	WSW	4	c	30.07	+.14	60	57	o	Z	o	m	*	c	*	66	53	0.04
	Lyons	30.05	70	E	1	o	30.08	+.01	64	59	+3	E	1	m	*	o	*	77	58	—
	Nice	29.95	81	SW	4	b	29.95	+.11	75	60	+2	Z	o	b	2	b	*	95	64	—
	Perpignan ...	30.05	80	NW	3	c	30.09	+.02	75	67	−4	NW	2	b	*	c	*	88	69	—
	Biarritz ...	30.09	73	W	4	b	30.06	−.02	69	66	−1	SSW	3	o	2	b	*	77	66	—
PENINSULA.	Corunna ...																*			
	Lisbon	30.08	70	NNW	5	b	30.05	−.09	70	65	−3	NNW	5	b	*	b	*	84	66	—
	Azores (P. Delgada)	30.26	71	NW	1	o	30.31	+.05	69	68	−3	NNE	4	b	3	c.o	*	77	66	0.24

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 11.7 hrs;

WEATHER CHARTS

FOR Tuesday, 10th August, 1897.

BAROMETER, WIND AND SEA.

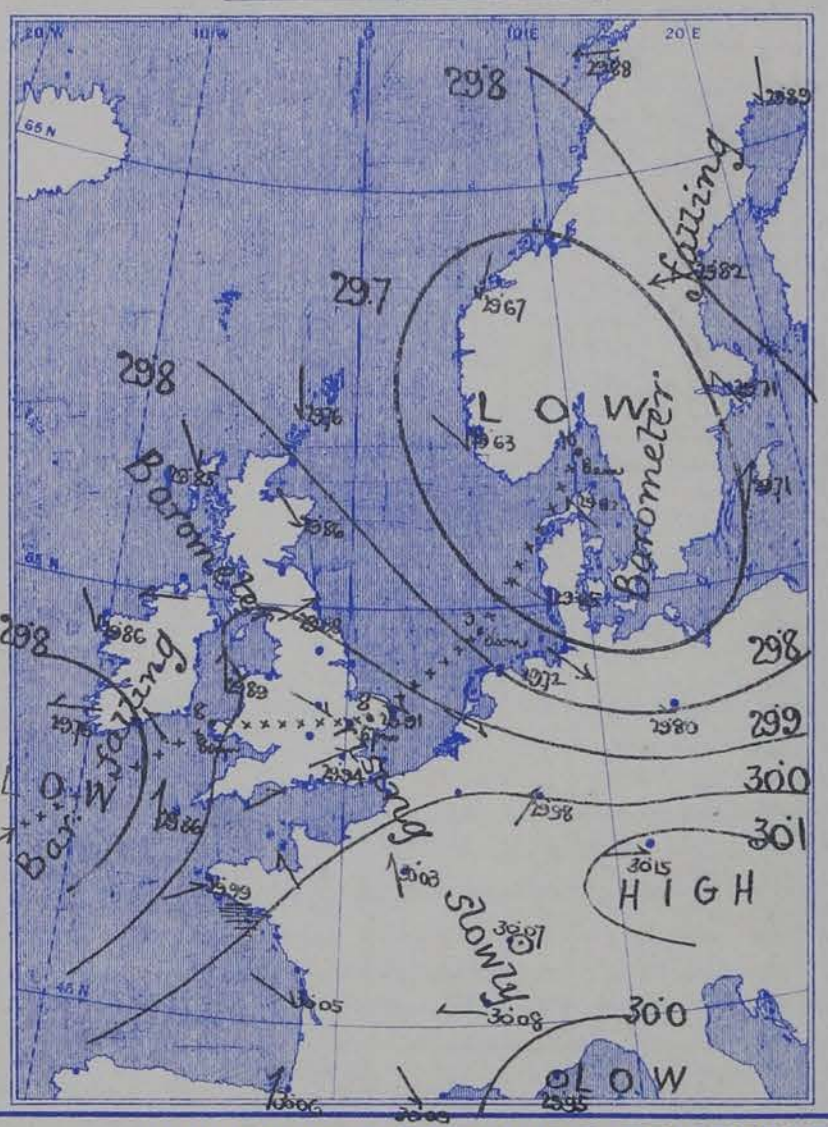
BAROMETER—Isobars are drawn for each tenth of an inch.

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

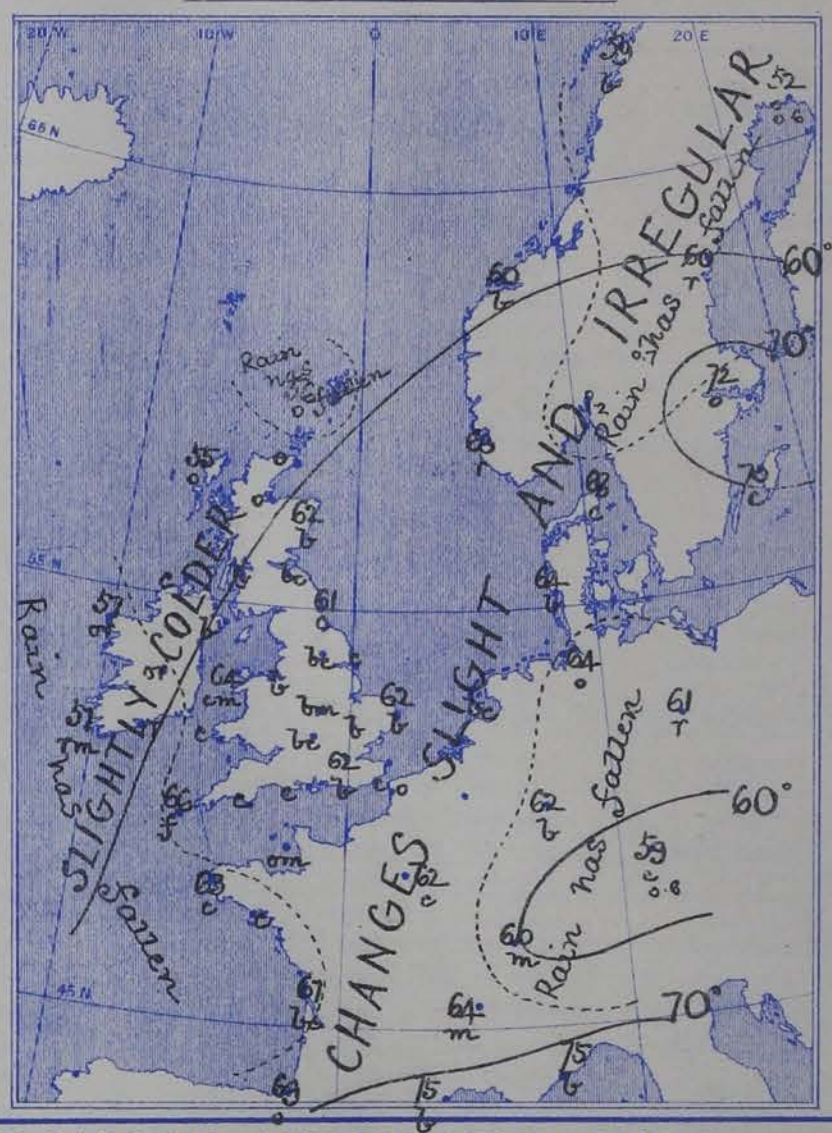


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 30.15 ins. at Munich; 30.0 ins. and upwards over nearly the whole of France & S. Germany.
Lowest 29.7 ins. and less in a large shallow depression lying over Denmark and the S^th. half of Scandinavia; 29.8 ins. and less in another depression approaching the south of Ireland.
Gradients slight. Barometer falling on the west coasts of our islands and France, as well as at many of the Scandinavian stations, but rising elsewhere.

TEMPERATURE — Highest (1) 75° at Nice and Perpignan, and 69° at Biarritz; (2) 72° at Stockholm, and 70° at Wisby.
Highest in our islands, 66° at Liverpool, Scilly, Jersey and Hurst Castle.
Lowest 52° at Haparanda, 55° at Stornoway, 56° at Sumburgh Hd., and 57° at Malin Hd. Belmullet and Valencia (Ireland)
During yesterday the thermometer rose to 70° and upwards in many parts of the United Kingdom ~~and~~ to 75° in London and at Cambridge, and to 76° at Leith.

WIND — Light from the W^wd. in the west of France, but from the S^wd. or SE^wd. in the western parts of our islands generally, and from the E^wd. at Valencia (Ireland)
NW^ly. in the north of Scotland and also on the eastern shores of the North Sea; W^ly. over England, the Netherlands and Germany; E^ly. or NE^ly. at most of the Scandinavian stations.

WEATHER — Fine in all the more E^rn. and central parts of the United Kingdom, as well as over the Netherlands and the greater part of France.
Dull and rainy in the W. and S. of Ireland; rainy also at several of the Scandinavian stations, but fine in the W. of Norway.
Rain fell yesterday in many parts of Scandinavia, Denmark and Germany, as well as over the N^rn. parts of France, the largest amounts being 1·2 ins. at Faerder, 0.7 in. at Karlstad and 0.6 in. at Haparanda and Munich.

SEA — Slight or smooth generally, but rather rough at Lorient

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression which is approaching the S. of Ireland seems likely to advance over our islands and to occasion rainy weather in most districts, with thunder in places.

FORECASTS

For the 24 hours ending at NOON on 11^TH. AUGUST. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light breezes, chiefly N^ly.; fair at first, some showers later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Light W^ly. breezes and fair weather, followed by freshening S^ly. winds, rain and probably thunder.
6	SCOTLAND WEST	S^ly. to E^ly. winds, light or moderate; fine at first, some rain later, possibly thunder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S^ly. winds, freshening considerably, unsettled, some rain, thunder locally.
9	IRELAND NORTH	E^ly. winds, shifting later to the N^rn. or NW^wd.; rainy at first then fair.
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 ...	29.58	75	70	SW	2	c	2	Valencia	29.91	64	61	W	2	bcr	3
Sumburgh Head	29.71	59	58	NW	1	o	3	Scilly	29.94	67	63	WSW	3	c	2
Stornoway	29.80	61	58	N	3	o	3	Jersey	29.99	67	62	W	5	b	4
Aberdeen	29.75	66	59	NW	3	c	2	Hurst Castle ...	29.89	69	65	SW	4	cg	2
Shields	29.75	62	58	NNE	4	bc	3	Dungeness ...	29.82	67	65	WSW	5	c	4
Ardrossan	29.78	69	66	WNW	4	b	2	North Foreland	29.83	74	63	W	4	bc	3
Malin Head ...	29.87	61	57	NNW	4	b	2	London (Westminster)	29.83	73	63	WSW	2	c	*
Belmullet	29.92	66	59	SW	1	b	*	Yarmouth ...	29.75	72	63	NW	4	b	4
Holyhead	29.89	62	59	NW	2	b	1	Rochefort ...	30.04	69	67	NW	5	o	*

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

Weather in morning fair or fine over the greater part of our Islands and France, as well as in the S.W. parts of Spain and Italy, and the central and S.W. parts of Russia. Dull in most of the N.W. and central countries, with rain in several places. Heavy rain falling later at several of the Swedish, Danish and German stations.

Temperature changed little and irregularly in our Islands, but fallen at most of the continental stations. Morning readings highest 84° at Rome 82° at Spax, 81° at Sanguinaire, and 80° at Toulon and Algiers, above 70° over S.W. Europe generally, as well as at some of the Baltic stations. Lowest 49° at Haparanda, 52° at Ulealborg, and 54° at Bodö and Kharkow; lowest in our islands 55° at Parsonstown. Rising during day to between 70° and 75° in many parts of the United Kingdom, and to 76° at Leith; exceeding 85° in the S. of France, and reaching 95° at Nice.

Wind light to moderate from the NW. and N. on most parts of our W. and NW. coasts, and also in the west of France; W. over the Netherlands and the central and S.W. parts of England; S. over all the more central parts of the Continent, and also over Finland, E. or NE. in Scandinavia. Variable in the S. of Russia, and also in Italy. Subsequently backing to the W.N.W. or SW. on the western coasts of our islands and France.

Barometer highest 30·2 ins. and upwards in an anticyclone lying over the S. of Russia; 30·1 ins. and upwards in another system over the W. parts of the Spanish peninsula. Lowest 29,5 ins. and less in a well marked depression over the S.W. parts of the North Sea. Depression subsequently moving NE.wds and partially filling up, but barometer becoming rather unsteady on our own W. and S.W. 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.

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

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

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 11th August, 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 ...	30·00	51	N	2	bc	30·04	+·15	47	43	− 5	NW	6	b	#	bc	#	59	47	-
	Hernösand ...	29.84	58	NE	8	r	29.86	+·04	56	55	− 4	NE	8	r	#	r	#	64	55	0·79
	Stockholm ...	29.75	68	SSE	4	c	29.73	+·02	66	64	− 6	Z	0	0	#	c	#	77	63	-
	Wisby	29.74	64	S	4	b	29.75	+·04	65	62	− 5	NNW	6	0	#	b	#	73	59	-
	Karlstad ..	29.68	65	S	1	0	29.75	+·10	65	63	+ 1	SSW	2	0	#	r.0.r	#	#	#	0·55
	Bodö	29.93	57	ENE	4	b	29.94	+·06	59	50	0	ENE	5	b	98	b	#	64	50	-
	Christiansund ...	29.62	62	Z	0	0	29.75	+·08	60	58	0	W	2	0	1	0	#	68	55	0·12
	Skudesnaes ...	29.75	61	NNW	2	0	29.88	+·25	59	56	− 4	NNW	4	0	1	r.0	#	63	57	#
	Færder (Christiania Fjord)	29.67	68	SSW	2	bc	29.72	+·08	66	63	− 1	WNW	2	c	3	bc	#	70	64	0·04
	Skagen (The Scaw)	29.73	64	N	1	bc	29.80	+·18	66	63	− 2	W	6	c	2	bc	#	73	63	-
	Fanö	29.87	62	WNW	6	c	29.93	+·28	62	58	− 2	WNW	4	c	#	c	#	64	61	0·24
	Sumburgh Head	29.82	54	NW	8	f	29.87	+·11	55	55	− 1	NW	8	f	3	0.f	#	61	53	0·01
	Stornoway ...	29.86	59	E	1	0	29.83	−·02	56	56	+ 1	E	3	r	3	0	0·0	59	53	0·05
	Wick	29.90	58	Z	0	0	29.89	+·02	57	57	− 1	SE	2	r	1	0	#	65	52	-
	Nairn	29.86	61	E	2	c	29.80	−·05	56	56	− 2	E	2	r	2	c.r	#	66	54	0·42
	Aberdeen ...	29.90	57	SSE	2	0g	29.84	−·02	55	55	− 6	E	3	0gr	3	b,0g	2·0	65	55	0·09
	Leith	29.81	66	ENE	2	0	29.75	−·12	59	58	− 2	S	1	0d	#	0	#	68	55	0·22
	Shields	29.85	61	SE	4	c	29.77	−·11	64	63	+ 3	SSW	3	c	2	c,0,r	#	65	57	0·32
	Spurn Head ...	29.86	63	SE	4	c	29.84	−·06	67	66	+ 5	SSE	4	c	3	c	#	69	60	-
	York	29.85	67	SSW	1	0	29.77	−·13	66	64	+ 8	S	2	c	#	c.0	7·1	74	57	0·20
	Loughborough ...	29.87	72	SSW	1	c	29.86	−·08	66	63	+ 6	SSW	3	c	#	bc.c,0.c	#	76	60	-
British Islands.	Ardrossan ...	29.83	64	N	1	r	29.73	−·13	60	60	− 1	NNE	2	pgz	1	bc.r	#	67	52	0·28
	Malin Head ...	29.84	54	E	3	c	29.81	−·05	57	56	0	NNW	4	0p	2	r.c	#	59	52	0·16
	Belmullet ...	29.83	58	NE	2	0m	29.93	+·07	57	55	0	N	1	0	#	or.0m	#	59	55	0·51
	Donaghadee ...	29.84	54	NNE	3	r	29.75	−·15	55	55	− 3	NW	5	r	3	r	#	60	53	0·58
	Liverpool (Bidston)	29.82	66	Z	0	r	29.79	−·12	65	60	− 1	SSW	2	bc	1	c.p	#	74	59	0·73
	Holyhead ...	29.80	61	E	2	gmr	29.79	−·10	57	56	− 7	SW	3	0g	2	rqm	#	69	56	0·86
	Parsonstown ...	29.70	64	Z	0	c	29.89	+·05	55	55	− 4	SW	1	0	#	or.c	0·5	65	54	0·29
	Valencia ...	29.82	61	NNW	5	cq	30.00	+·24	60	56	+ 3	NW	5	0p	5	0q.cq	1·8	63	56	0·08
	Roche's Point ..	29.76	64	NNW	4	p	29.93	+·13	60	56	0	NNW	3	b	3	p	#	65	57	0·40
	Pembroke (St. Ann's Hd.)	29.84	64	SSW	4	c	29.89	−·02	59	57	− 3	WNW	4	c	4	c	2·0	64	59	0·08
	Scilly	29.84	66	SSW	3	0	29.92	+·06	62	59	− 4	WNW	4	c	3	m.0	1·9	72	58	0·02
	Prawle Point ...	29.91	62	SW	3	f	29.92	−·02	60	59	− 2	WNW	3	bc	2	f.pl	#	64	58	0·08
	Jersey (St Aubin's)	29.95	69	SE	1	bc	29.96	−·01	65	64	− 1	SW	3	0g	3	0.bc	#	71	63	-
	Hurst Castle ...	29.94	66	SW	3	0m	29.93	−·03	? 64	?63	− 2	SW	3	c	2	c.0m	#	74	56	-
	Dungeness ...	29.95	63	SW	2	bc	29.94	−·01	65	64	+ 1	SSW	1	c	0	bc	#	68	63	-
	North Foreland	29.95	71	S	2	b	29.94	−·03	68	66	+ 3	SSE	2	c	2	b	#	73	61	-
	London (Brixton) ...	29.91	70	S	2	bc	29.93	−·01	66	64	+ 4	SW	2	0	#	bc.0.b	12·3	79	61	-
	Oxford	29.91	66	S	3	0	29.89	−·05	65	63	+ 2	SW	3	0	#	c.0.r	#	75	62	0·02
	Cambridge ...	29.89	73	SSW	2	b	29.91	−·04	63	65	+ 6	SSW	3	0	#	b	12·5	79	60	-
	Yarmouth ...	29.90	68	SSE	3	b	29.92	+·01	69	66	+ 7	SW	3	bc	3	b	#	70	59	-
Germany & Holland.	Cuxhaven ...	29.88	59	NW	3	bc	30.01	+·29	59	58	− 5	S	1	bc	#	bc	#	66	54	-
	Berlin	29.98	65	Z	0	b	30.09	+·29	62	60	+ 1	SW	1	b	#	b	#	70	54	-
	Wiesbaden ...	*	*	*	*	#	30.10	+·12	63	60	+ 1	Z	0	0	#	*	#	75	57	-
	Munich	30.18	61	E	1	b	30.21	+·06	60	60	+ 1	E	2	b	#	b	#	72	50	-
	The Helder ...	29.97	69	WSW	1	b	29.96	+·05	66	64	+ 4	SW	1	bc	1	b	#	68	55	-
	Brussels ...	*	*	*	#	#	30.00	−·01	71	66	+ 11	SSW	2	b	#	b	#	76	60	-
	Cape Gris Nez ...	29.96	66	WSW	1	b	29.93	−·02	67	65	+ 6	S	2	bc	1	b	#	68	61	-
	Paris	30.01	73	SE	1	bc	30.02	−·01	66	63	+ 4	ENE	1	f	#	bc	#	75	58	-
	Brest	29.95	64	S	3	m	29.95	−·04	62	61	− 1	N	1	c	2	m	#	66	52	0·08
	Lorient	29.99	66	W	2	m	29.97	−·02	64	64	− 1	SW	2	c	5	m	#	75	61	-
France & Belgium.	Rochefort ...	30.05	71	W	2	b	29.95	−·10	67	65	0	SE	3	kl	#	0,b	#	74	61	0·24
	Belfort	30.02	71	NW	2	b	30.06	−·01	64	60	+ 4	E	3	m	#	b	#	76	51	-
	Lyons	30.01	76	NNE	1	b	30.06	−·02	68	64	+ 4	SE	1	b	#	b	#	82	60	-
	Nice	30.01	74	W	4	b	30.09	+·14	73	62	− 2	E	1	b	0	b	#	84	66	-
	Perpignan ...	30.02	77	S	1	b	29.99	−·10	73	71	− 2	NW	1	b	#	b	#	89	65	-
	Biarritz ...	29.93	81	E	4	b	29.98	−·08	72	70	+ 3	W	3	0	2	b	#	82	69	0·04
Peninsula.	Corunna ...																#			
	Lisbon	30.05	68	WNW	5	b	30.10	+·05	70	64	0	N	6	b	#	b	#	77	66	-
	Azores (P. Delgada)	30.42	68	NE	2	bc	30.42	+·11	68	63	− 1	NNE	3	b	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 4·8 hrs;

WEATHER CHARTS

FOR Wednesday, 11th August 1897.

BAROMETER, WIND AND SEA.

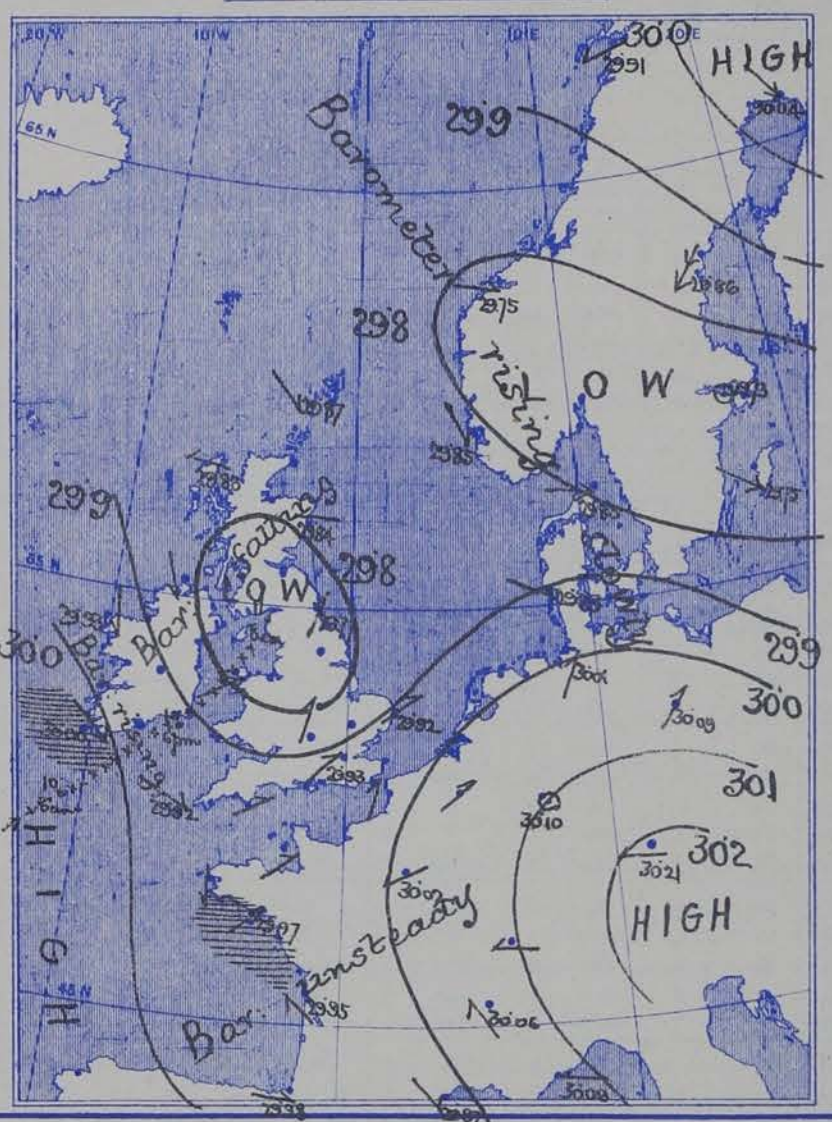
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

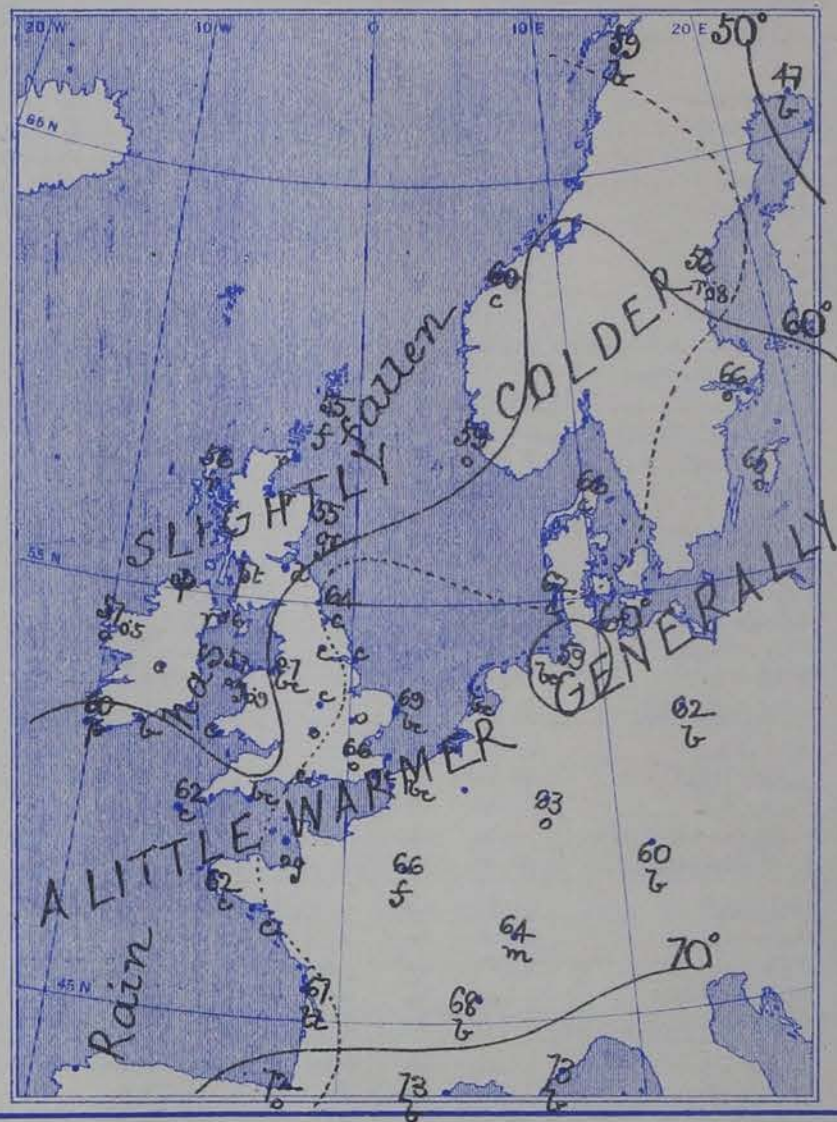


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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. to 30.2 ins. over the central and S^rn. parts of Germany, and also in another area lying off the Portuguese coasts; 30.0 ins. and upwards over Lapland.
Lowest 29.8 ins. and less in a shallow depression over the N^rn. parts of Gt. Britain, and also in a large area over the southern parts of Scandinavia.
Gradients slight. Barometer falling a little over the northern parts of Gt. Britain, rising in most other localities, but rather unsteady over France and the south of England.

TEMPERATURE

Highest (1) 73° at Nice and Perpignan, 72° at Biarritz, 70° at Lisbon, 69° at Yarmouth and 68° at Cambridge and the North Foreland.
Lowest (1) 47° at Haparanda, and 56° at Hernösand; (2) 55° at Sumburgh Hd., Aberdeen and Donaghadee, and 56° at Stornoway and Nairn.
During yesterday the thermometer rose to 75° and upwards in many parts of England, and to 79° in London and at Cambridge.

WIND

Moderate to fresh from the NW^wd. on our western coasts; light from the SW^wd. over the Channel, and from the S^wd. over the east of England and the Netherlands; E^ly over the greater part of Scotland.
Rather variable over the N^rn. parts of Scandinavia; moderate to strong from the W^wd. or NW^wd. over Denmark & the S. of Scandinavia.
Variable over the Bay of Biscay; light from the E^wd. over central France.

WEATHER

Cloudy over W^rn. Europe as a whole, with rain in Scotland and the N. of Ireland, as well as at Hernösand. Thunder was reported at Ardrossan, and a thunderstorm at Rochefort.
Fine in Germany and the S. of France, and also in the N. of Scandinavia.
Since yesterday morning rain has fallen in all but the extreme S^rn. and E^rn. parts of the United Kingdom, the largest amounts being 0.6in. at Holyhead, 0.7 in. at Liverpool, and 0.6in. at Donaghadee. A solar halo was seen yesterday at Oxford, and lightning at night at Prawle Pt.

SEA

Slight or smooth generally, but rather rough at Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the N. will probably continue to move slowly NE^wds. or N^wds. Another shallow disturbance is, however, lying over the Bay of Biscay, and thunderstorms are still probable in many parts of England.

FORECASTS

For the 24 hours ending at NOON on 12^Th. AUGUST 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E^ly to NE^ly or N^ly winds, light, rainy at first, with thunder locally, but improving later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S^ly to W^ly winds, light, changeable, thundershowers locally.
3	ENGLAND EAST	Light breezes, chiefly SW^ly; cloudy, close, thunderstorms locally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW^ly winds, light or moderate, changeable, some showers, possibly thunder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.64	63	61	W	4	r	2	Valencia	29.76	60	58	NNW	4	og	4
Sumburgh Head	29.80	58	56	NW	3	o	4	Scilly	29.86	68	66	S	4	m	2
Stornoway	29.87	57	55	SSE	2	o	3	Jersey	29.96	71	66	SSW	3	o	3
Aberdeen	29.89	60	56	S	2	og	1	Hurst Castle ...	29.95	71	66	SSW	2	c	1
Shields	29.88	62	59	E	3	c	2	Dungeness ...	29.96	67	63	SW	3	bo	2
Ardrossan	29.86	65	65	N	1	bc	1	North Foreland	29.86	64	63	SSE	4	b	2
Malin Head ...	29.86	54	54	E	2	r	1	London (Westminster)	29.91	71	65	SSW	2	be	#
Belmullet	29.83	58	57	ENE	2	or	#	Yarmouth ...	29.91	68	65	SSE	4	b	3
Holyhead	29.85	67	62	SSW	3	ogm	2	Rochefort ...	30.05	74	72	W	3	o	#

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

Weather in morning fair or fine over the United Kingdom as a whole, but dull in the N. of Scotland, and rainy in the W. and S. of Ireland. Fine over S^th. Europe and also over the greater part of Russia; dull in most of the N^th. and central countries, with rain in a few places, but fine in the W. of Norway. Rain falling later in all but the extreme S^th. and E^th. parts of our Islands, - heavily at some of the W^th. stations; lightning seen at Prawle Pt. at night.

Temperature fallen in Ireland and also over central and S^th. Europe generally, risen in most other localities. Morning readings highest 84° at Barcelona, 81° at Algiers, 79° at Spa, and 78° at La Calle; above 70° in most parts of S^th. Europe, as well as at some of the Baltic stations. Lowest (1) 52° at Haparanda, and 53° at Ulcaborg; (2) 55° at Stornoway, 56° at Sumburgh Hd., and 57° at Malin Hd., Belmullet and Valencia (Ireland). Rising during day to 75° and upwards in many parts of England, and to 79° in London and at Cambridge; exceeding 80° in the S. of France, and reaching 89° at Perpignan.

Wind light from the W^nd. in the west of France, from the S^th. or SE^th. in the west of our Islands and the N. of France generally, and from the E^th. at Valencia (Ireland). Light to moderate from the NW^nd. in the north and east of our islands, and also on the eastern and southern shores of the North Sea; W^ly or SW^ly over Germany and Austria. S^ly over the Baltic; E^ly or NE^ly at most of the Scandinavian stations. Light and variable in Russia and Italy; N^ly in Algeria. Subsequently shifting to the NW^nd. in the south of Ireland, and to the E^nd. or SE^nd. on many parts of our N^th. coasts.

Barometer highest 30.1 ins. and upwards in an anticyclone lying over the S. of Russia; 30.0 ins. and upwards in another system over France, Spain, N^th. Italy and Algeria. Lowest 29.7 ins. and less in a large shallow depression over Denmark and all the more S^th. parts of Scandinavia; 29.8 ins. and less in another disturbance approaching the S. of Ireland. Latter system subsequently advancing NE^nd. over our W^th. coasts, but proving very shallow

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EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday August 12th 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 ...	30.10	46	N	2	b	30.16	+.12	52	46	+5	2	0	b	*	b	*	59	45	—
	Hernösand ...	29.96	53	NNE	6	t	30.03	+.17	55	51	−1	NNE	6	c	*	t	*	57	50	0.51
	Stockholm ...	29.86	64	N	2	c	29.98	+.25	60	57	−6	NW	2	o	*	c	*	?	60	0.12
	Wisby	29.91	67	W	6	c	30.00	+.25	64	61	−1	NW	4	bc	*	c	*	70	59	—
	Karlstad ...	29.87	68	S	2	b	29.93	+.18	68	63	+3	S	4	o	*	b	*	*	*	—
	Bodö	29.95	61	E	4	b	29.99	+.05	57	51	−2	E	4	c	1	b	*	66	50	—
	Christiansund ...	29.91	58	W	4	c	29.89	+.14	58	54	−2	NE	2	f	2	c	*	60	52	—
	Skudesnaes ...	29.89	62	E	0	o	29.75	−.13	62	60	+3	E	0	f.t	3	bc.o	*	63	57	*
	Farder (Christiania Fjord)	29.82	69	WSW	4	bc	29.87	+.15	66	64	0	ESE	2	o	3	bc	*	70	64	—
	Skagen (The Scaw)	29.91	65	W	1	b	29.89	+.09	64	62	−2	WSW	1	t	0	b	*	68	57	—
	Fanö	29.92	63	S	2	b	29.76	−.17	65	63	+3	ESE	3	t	*	b.tl+	*	72	62	0.87
British Islands.	Sumburgh Head	29.85	58	E	0	o	29.78	−.09	54	53	−1	NE	1	t	3	o	*	60	53	0.07
	Stornoway ...	29.84	57	E	3	o	29.86	+.03	55	54	−1	E	0	o	0	o	0.4	58	52	0.03
	Wick	29.86	58	N	2	t	29.83	−.06	57	56	0	N	2	o	1	t	*	58	53	0.80
	Nairn	29.80	56	NNE	3	t	29.83	+.03	57	56	+1	W	1	c	1	t	*	58	52	0.33
	Aberdeen ...	29.77	57	NNE	3	o q	29.80	−.04	58	55	+3	NW	4	cq	3	o q t q. o f	1.0	58	54	1.01
	Leith	29.74	60	ENE	3	t	29.84	+.09	58	57	−1	NW	1	o		t l t k		61	55	0.75
	Shields	29.75	66	SW	3	c	29.85	+.08	58	57	−6	SW	2	t	2	c	*	75	55	0.01
	Spurn Head ...	29.81	65	WSW	4	c	29.86	+.02	60	60	−7	WNW	5	c	4	c f t l. c	*	75	55	0.06
	York	29.82	67	WSW	2	bc	29.89	+.12	57	57	−9	W	1	t	*	bc	9.6	75	56	0.07
	Loughborough ...	29.87	67	W	4	b	29.97	+.11	60	55	−6	W	4	b q c	*	c q f. b q	*	74	52	0.06
	Ardrossan ...	29.74	60	W	2	o	29.87	+.14	59	58	−1	W	3	c	2	t l t. c. o	*	61	55	0.55
	Malin Head ...	29.86	58	NNW	5	o	29.93	+.12	57	56	0	NW	3	c f	2	o	*	59	56	0.01
	Belmullet ...	30.00	59	WNW	2	c	30.05	+.12	58	54	+1	NNW	1	o	*	bc.c	*	61	50	—
	Donaghadee ...	29.86	57	NW	4	t	29.94	+.19	61	58	+6	WSW	4	bc	2	t	*	61	53	0.18
	Liverpool (Bidston)	29.87	60	W	3	o	29.95	+.16	57	54	−8	WSW	4	o	4	t l t. o f	*	68	55	0.12
	Holyhead ...	29.91	59	WSW	2	c	29.99	+.20	61	58	+4	W	4	bc	3	f t. c	*	64	53	0.01
	Parsonstown ...	29.98	59	SW	1	o	30.05	+.16	58	54	+3	S	0	c	*	o f	4.0	66	52	0.08
	Valencia ...	30.09	59	WNW	4	c	30.06	+.06	58	57	−2	SE	1	o f	2	bc f r. c	5.3	62	52	—
	Roche's Point ...	30.04	61	NW	4	c	30.10	+.17	57	55	−3	W	1	c	2	c	*	65	54	—
	Pembroke (St. Ann's Hd.)	29.97	62	WNW	4	bc	30.06	+.17	59	56	0	WNW	5	c	4	bc	7.6	63	57	—
	Scilly	30.05	63	NW	4	c f	30.11	+.19	61	56	−1	WNW	3	c f	2	c c f	10.9	66	55	0.05
	Prawle Point ...	29.98	64	W	3	c	30.09	+.17	62	58	+2	WNW	3	bc	2	c. r	*	69	55	—
	Jersey (St. Aubin's)	30.03	65	W	3	bc	30.11	+.15	61	59	−4	WNW	3	c	3	g f. c b f	*	67	59	0.10
	Hurst Castle ...	29.93	67	WNW	4	c	30.05	+.12	63	60	−1	W	3	bc	2	c	*	72	57	—
	Dungeness ...	29.92	64	WSW	2	c	30.02	+.08	67	61	+2	WSW	3	bc	2	c	*	70	52	—
	North Foreland	29.91	68	SW	2	c	30.02	+.08	63	60	+5	W	2	b	2	c	*	75	57	0.01
	London (Brixton) ...	29.88	70	SW	2	c	30.02	+.09	60	56	−6	W	2	bc	*	o f. c	2.4	75	57	0.01
	Oxford	29.94	61	W	3	c	30.02	+.13	59	56	−6	W	2	bc	*	f. c	*	72	57	0.14
	Cambridge ...	29.89	69	SW	1	t l t	29.99	+.08	59	56	−4	WSW	3	b z c	*	t l t	0.8	76	57	0.30
	Yarmouth ...	29.87	68	SW	3	t	29.92	+.01	62	60	−1	WNW	4	b	2	c. t	*	71	58	0.03
Germany & Holland.	Cuxhaven ...	30.00	70	S	0	b	29.85	−.16	64	62	+5	S	1	o	*	t. b	*	73	59	0.04
	Berlin	30.07	72	SSE	1	b	29.99	−.10	66	61	+4	SE	2	b	*	b	*	79	61	—
	Wiesbaden ...	*	*	*	*	*	29.96	−.14	65	62	+2	S	1	*	*	*	*	79	61	—
	Munich	30.15	64	E	2	b	30.11	−.10	67	63	+7	NW	4	b	*	b	*	75	54	—
	The Helder ...	29.91	70	SW	1	o	29.89	−.07	63	60	−3	WNW	2	bc	1	o	*	75	63	0.12
France & Belgium.	Brussels ...	*	*	*	*	*	30.01	+.01	62	61	−9	WSW	2	o	*	o	*	79	58	0.16
	Cape Gris Nez	29.94	64	SW	1	t	29.99	+.06	58	56	−9	NW	2	b	2	t	*	73	57	0.08
	Paris	29.96	73	S	1	c	30.08	+.06	61	58	−3	WNW	2	bc	*	c	*	78	58	0.04
	Brest	30.08	66	W	2	b	30.14	+.19	60	57	−2	WNW	3	c	4	b	*	66	55	—
	Lorient	30.06	67	NW	5	b	30.16	+.19	62	59	−2	NW	4	c	5	b	*	73	57	0.12
	Rochefort ...	30.02	68	WNW	5	o	30.15	+.20	63	61	−4	NNE	2	b	*	t l t	*	70	61	0.79
	Belfort	30.06	73	E	1	b c	30.08	+.02	63	60	−1	SW	2	o	*	bc	*	81	53	—
	Lyons	29.93	84	S	2	b	30.10	+.04	64	62	−4	SE	1	o	*	b	*	89	62	0.12
	Nice	30.06	78	SE	4	b	30.06	−.03	76	61	+3	E	2	b		b	*	84	68	—
	Perpignan ...	29.98	77	N	1	o	30.15	+.16	64	62	−9	NW	3	t	*	o	*	86	64	0.04
	Biarritz ...	30.06	68	NW	5	t	30.15	+.17	64	63	−8	N	0	t l t	3	t	*	73	63	0.39
Penin-sula.	Corunna ...																*			
	Lisbon	30.17	66	N	1	b	30.17	+.07	67	55	−3	N	5	b	*	b	*	75	61	—
	Azores (P. Delgada)	30.46	67	SE	1	b	30.41	−.01	70	64	+2	NE	1	bc	2	bc. b	*	75	64	—

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

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

Bright Sunshine yesterday Southport 3.6 hrs.

WEATHER CHARTS

FOR ..... Thursday, 12th August, ... 1897.

BAROMETER, WIND AND SEA.

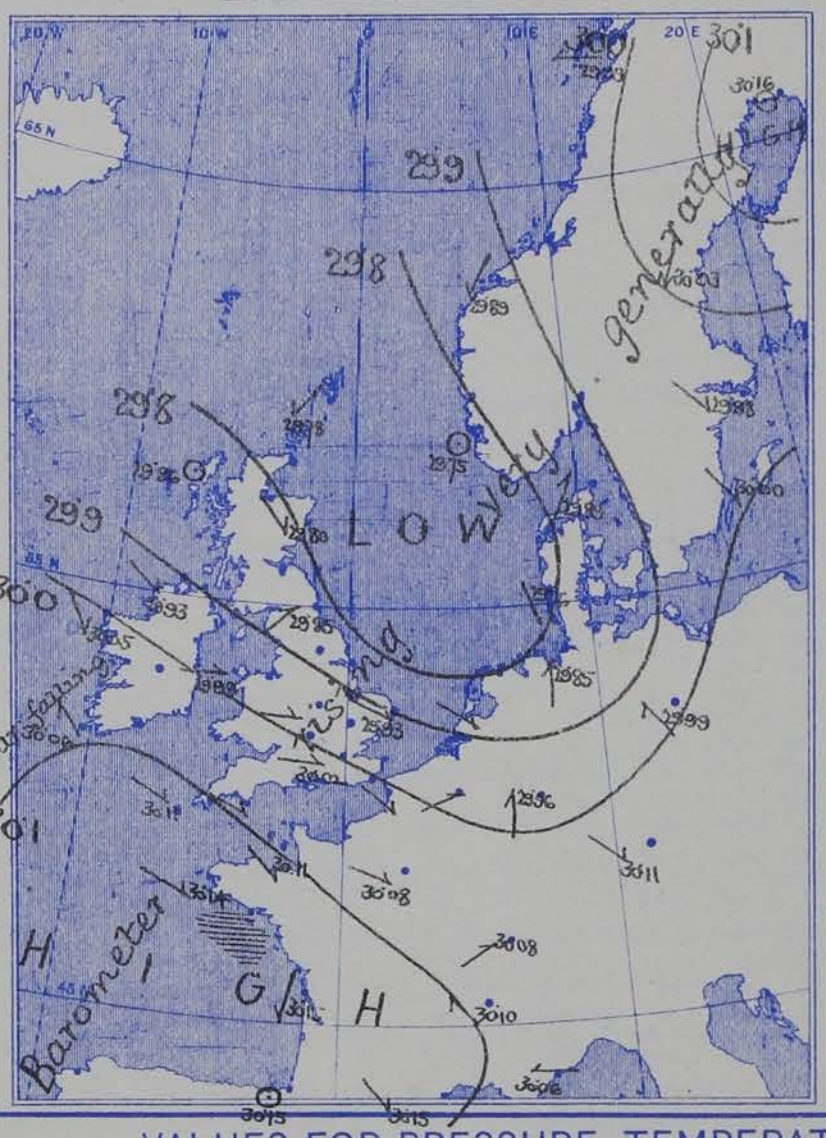
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

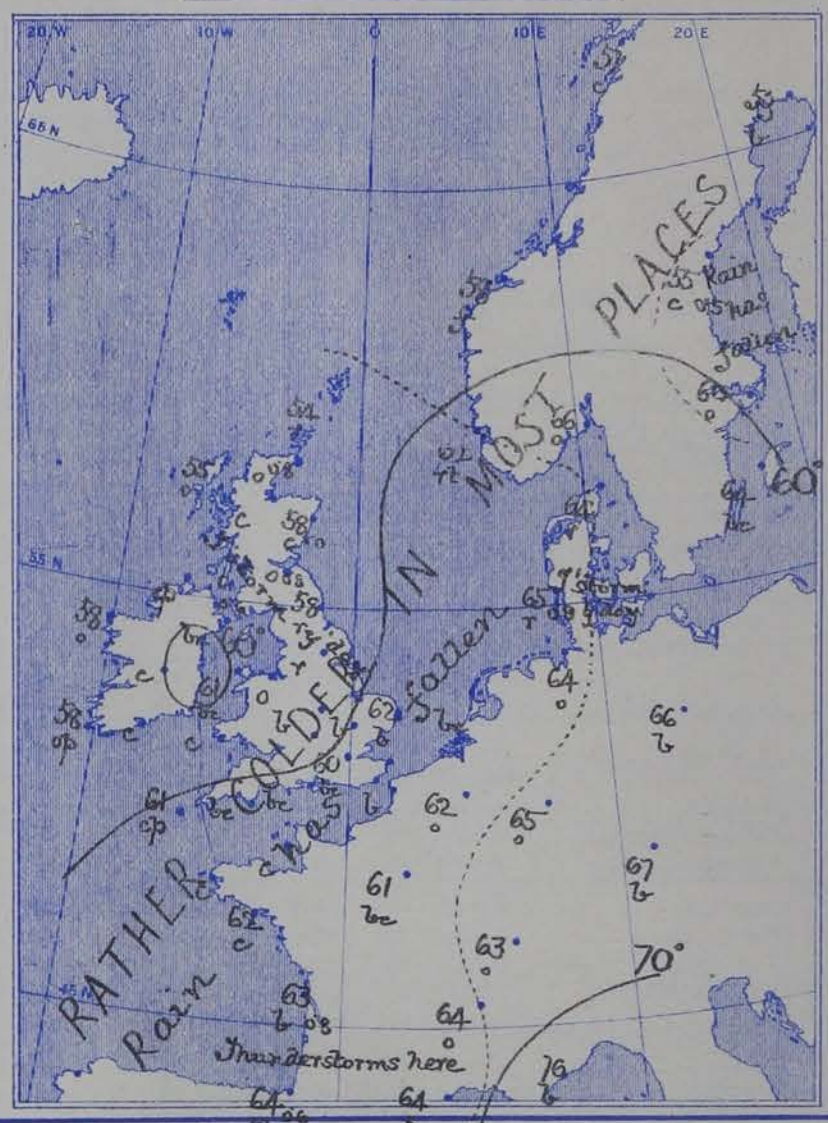


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 upwards in the extreme southwest of our islands and the west and south of France, and also over Lapland and South Germany.
Lowest 29.8 ins. and less in a large shallow depression over the North Sea.
Gradients slight. Barometer rising in most parts of our islands and France, but falling again at Valencia (Ireland); falling on the eastern shores of the North Sea.

TEMPERATURE

Highest (1) 76° at Nice, 67° at Dungeness and Munich, and 66° at Berlin; (2) 68° at Karlstad, & 66° at Faeroe.
Lowest ~~Thorshavn, Faeroe~~, 53° at Haparanda, 54° at Sumburgh Hd., 55° at Hernösand and Stornoway.
During yesterday the thermometer rose to between 70° and 75° in many parts of England, and to 76° at Cambridge.

WIND

Light to fresh from the W.nwd. or NW.nwd. over the greater part of our islands, the Netherlands and the north of France, but SE.by at Valencia (Ireland)
S.by or SE.by over Denmark, Germany and the south of Norway; E.by or NE.by over the northern parts of Scandinavia, but NW.by in the south of Sweden. Variable in the south of France.

WEATHER

Fair or fine over the greater part of our islands, France and the Netherlands, but rainy in the NE. of England, and showery on our extreme SW. coasts. Thunder was reported at Biarritz & Perpignan.
Rainy in Denmark and the south of Norway; fine at some of the Swedish stations.
Rain fell yesterday in many parts of W.rn Europe, with thunderstorms in places. The largest amounts of rain reported this morning are 1.0 in. at Aberdeen, 0.9 in. at Tarö, and 0.8 in. at Wick, Leith and Rockefort.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the North Sea is inclined to fill up but a new disturbance, apparently small, is approaching the S. of Ireland. The weather is likely to remain in an unsettled state generally.

FORECASTS

For the 24 hours ending at NOON on 13TH AUGUST. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW.by winds, backing later, fair generally, but local showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W.by to S.by winds, light or moderate, fine at first, some rain later.
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	Same as No. 5.
8	ENGLAND S.W.	
9	IRELAND NORTH	NW.by to variable breezes, changeable, some showers.
10	IRELAND SOUTH	SE.by winds shifting later to the W.ds. or NW.ds., some rain at first, then fair.
	WARNINGS	None issued

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.93	63	58	NW	4	bc	1	Valencia	30.06	62	55	WNW	5	bcfr	5
Sumburgh Head	29.87	58	55	SE	1	o	2	Scilly	30.00	65	60	WNW	4	c	3
Stornoway	29.83	58	55	E	3	o	3	Jersey	30.00	65	62	WSW	3	c	3
Aberdeen	29.77	56	55	NE	6	ctgq	5	Hurst Castle ...	29.94	70	66	SW	4	c	2
Shields	29.74	74	64	SW	3	c	2	Dungeness ...	29.93	66	65	SW	2	c	1
Ardrossan	29.73	61	60	WSW	2	cf	1	North Foreland	29.94	72	67	SW	2	c	2
Malin Head ...	29.84	58	56	NNW	5	q	2	London (Westminster)	29.91	69	64	SW	2	of	*
Belmullet	30.03	61	55	NNW	1	bc	*	Yarmouth ...	29.87	71	66	SSW	4	c	3
Holyhead	29.88	62	60	W	3	c	2	Rochefort ...	30.01	67	66	NW	3	t	*

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

Weather in morning cloudy over W^rn and N^rn Europe generally, with rain in Scotland and the N. of Ireland, as well as at Hernösand and Memel; thunder reported at Ardrossan and a thunderstorm at Rochefort. Fine over the E^rn, central and S^rn parts of the Continent. Rain falling later in most of the W^rn and N^rn countries, heavily in Scotland, as well as in some parts of Denmark and the W. of France; thunderstorms occurring in many isolated localities.

Temperature fallen in all the more W^rn and N^rn parts of our islands, as well as over Sweden, Denmark and the Baltic, changed irregularly elsewhere. Morning readings highest 82° at Barcelona and Spezzia, 80° at Algiers and La Calle, and 79° at Aumale; above 70° over southern Europe generally and very little below in the E. of England or in Finland. Lowest (1) 47° at Bodö, 50° at Ulealong, and 56° at Hernösand; (2) 55° at Gunnbugh Hd, Aberdeen, Donaghadee and Parsonstown. Rising later to between 70° and 75° in many parts of England, and to 76° at Cambridge. Exceeding 80° in the E. and S. of France, and reaching 86° at Perpignan.

Wind moderate to fresh from the NW^wd in the west of our islands; light from the SW^wd in the south of England and the adjacent parts of the Continent; S^ly on our eastern coasts; E^ly in Scotland. Moderate to strong from the W^wd over Denmark, the Baltic and the S. of Scandinavia; E^ly or NE^ly over the northern parts of Scandinavia. Light and variable over Italy, Austria and the south of Russia. Subsequently veering to the W^wd in the south of England.

Barometer highest 30.1 ins. and upwards in three areas,—one lying off the Portuguese coasts, another over Italy, Switzerland and all the more S^rn parts of Germany, and the third over S^rn Russia. Lowest 29.8 ins. and less in two shallow depressions,—one lying over the N^rn parts of Gt. Britain, and the other over the S^rn parts of Scandinavia. Former disturbance subsequently moving slowly NE^wd to the North Sea, Scandinavian depression partially filling in.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 13th August, 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 ...	30·13	48	W	2	O	30·10	-·06	55	51	+ 3	S	4	b	*	O	*	68	34	-
	Hernösand ...	30·01	55	NE	4	r	29·84	-·19	62	60	+ 7	SE	8	r	*	r	#	63	50	0·28
	Stockholm ...	29·97	63	SSE	2	c	29·87	-·11	64	64	+ 4	SSE	2	r	#	O	#	70	55	0·39
	Wisby	29·99	63	SSE	4	b	29·89	-·11	65	64	+ 1	SSW	4	r	*	b	*	66	57	0·24
	Karlstad ...	29·84	64	S	2	r	29·87	-·06	62	60	- 6	SW	2	O	#	tlr	#	#	#	0·95
	Bodo	29·82	57	E	4	O	29·73	-·26	56	51	- 1	E	4	O	1	O	#	57	50	-
	Christiansund ...	29·74	56	W	3	r	29·96	+·07	53	51	- 5	W	5	r	3	r	#	59	48	0·32
	Skudesnaes ...	29·79	61	S	2	O	29·95	+·20	59	54	- 3	N	4	b	2	O	*	68	55	*
	Færder (Christiania Fjord)	29·80	65	SSW	3	O	29·85	-·02	61	59	- 5	W	1	m	3	O	#	68	61	0·91
	Skagen (The Scaw)	29·85	63	SW	1	bc	29·89	·00	61	59	- 3	SW	2	bc	O	bc	*	68	55	0·39
	Fanö	29·91	62	W	6	c	29·99	+·23	62	60	- 3	W	6	c	*	c	#	66	59	0·16
British Islands.	Sumburgh Head	29·84	56	NE	1	O	29·89	+·11	58	55	+ 4	S	1	c	3	c.o	*	60	52	0·02
	Stornoway ...	29·86	57	S	3	O	29·70	-·16	58	57	+ 3	SE	4	O	4	O	0·8	59	53	-
	Wick	29·89	60	SE	1	O	29·83	·00	58	56	+ 1	S	3	O	1	O	#	64	49	-
	Nairn	29·87	62	E	O	bc	29·79	-·04	58	57	+ 1	E	O	c	1	bc	#	64	49	-
	Aberdeen ...	29·89	63	NE	2	b	29·88	+·08	58	55	O	S	4	ogp	3	bc.p. b	5·1	64	54	0·02
	Leith	29·88	66	W	1	O	29·84	·00	58	57	O	SSW	1	r	#	O	#	71	54	0·03
	Shields	29·92	61	WSW	2	O	29·94	+·09	55	52	- 3	SSW	3	ora	2	or.o	#	65	52	0·08
	Spurn Head ...	29·98	64	WNW	4	c	30·02	+·16	61	60	+ 1	SSW	3	c	3	c	#	66	55	-
	York	†29·97	67	W	2	b	30·00	+·11	61	56	+ 4	SSE	1	c	#	b	8·8	67	49	0·03
	Loughborough ...	30·04	63	W	2	c	30·04	+·07	57	55	- 3	NE	1	O	#	o.bc.c.o	#	68	49	-
	Ardrossan ...	29·92	61	SSE	3	c	29·77	-·10	59	59	O	S	5	rm	4	b.c	#	66	54	0·13
	Malin Head ...	29·88	59	E	3	c	29·66	-·27	57	57	O	WSW	3	c	1	b.c.p	#	63	55	0·25
	Belmullet ...	29·83	60	SSE	4	or	29·71	-·34	59	56	+ 1	WSW	1	c	#	o.or	#	63	54	0·32
	Donaghadee ...	29·94	60	SSW	2	c	29·77	-·17	58	58	- 3	SSW	5	r	3	c	#	64	55	0·26
	Liverpool (Bidston)	30·02	63	W	3	bc	29·93	-·02	58	55	+ 1	SE	2	O	2	bc	#	63	54	-
	Holyhead ...	30·02	58	SW	3	c	29·85	-·14	60	59	- 1	S	7	rq	5	c	#	66	56	0·01
	Parsonstown ...	29·94	60	SW	1	r	29·74	-·31	59	57	+ 1	SW	1	O	*	c.or	5·9	66	57	0·34
	Valencia ...	29·88	59	SSE	4	r	29·77	-·29	60	57	+ 2	SW	3	bc	4	rq.r	0·8	63	52	0·64
	Roche's Point ...	29·99	61	SW	4	p	29·81	-·29	58	56	+ 1	W	3	c	4	p.r	#	64	57	0·60
	Pembroke (St. Ann's Hd.)	30·07	60	SW	3	c	29·89	-·17	62	61	+ 3	SW	5	O	5	c	6·4	63	58	0·04
	Scilly	30·12	65	SW	3	c	29·90	-·21	64	61	+ 3	S	6	O	4	bc.c	9·6	69	56	0·01
	Prawle Point ...	30·13	61	WSW	3	bc	30·03	-·06	60	59	- 2	S	4	og	3	bc.p	*	?66	58	0·03
	Jersey (St. Aubin's)	30·17	65	WNW	4	bc	30·10	-·01	64	59	+ 3	S	4	og	3	b.bc	*	66	54	-
	Hurst Castle ...	30·12	67	WSW	3	bc	30·09	+·04	62	59	- 1	SW	4	O	2	p.c.bc	*	71	55	-
	Dungeness ...	30·06	64	WSW	4	c	30·11	+·09	63	59	- 4	SW	3	bc	2	c	*	70	56	-
	North Foreland	30·07	68	SW	2	b	30·12	+·10	64	58	+ 1	S	2	c	2	bc.b	*	71	58	-
	London (Brixton) ...	30·06	67	SW	2	c	30·10	+·08	62	58	+ 2	SSW	2	O	*	bc.bc	11·2	73	54	-
	Oxford	30·11	60	WSW	2	bc	30·06	+·04	57	55	- 2	S	1	r	*	bc	*	69	51	-
	Cambridge ...	30·05	65	WSW	2	bc	30·08	+·09	58	55	- 1	S	1	O	*	bc	11·6	71	47	-
	Yarmouth ...	29·99	68	NNW	3	b	30·07	+·14	64	61	+ 2	WSW	3	b	2	b	*	70	52	-
Germany & Holland.	Cuxhaven ...	29·97	63	W	4	O	30·08	+·23	61	59	- 3	WSW	3	c	*	or	*	66	57	0·16
	Berlin	29·99	68	NW	3	c	30·16	+·17	62	58	- 4	W	3	b	*	c	*	84	59	-
	Wiesbaden ...	*	*	*	*	*	30·21	+·25	60	58	- 5	N	O	b	*	*	*	73	54	-
	Munich	30·19	61	W	4	r	30·26	+·15	61	59	- 6	NE	4	c	*	r	*	77	57	0·24
	The Helder ...																*			
Belgium.	Brussels ...	*	*	*	*	*	30·18	+·17	61	57	- 1	WSW	2	b	#	b	*	71	50	-
	Cape Gris Nez.	30·07	63	W	4	b	30·12	+·13	60	58	+ 2	SW	2	c	2	b	*	66	57	-
	Paris	30·15	68	NW	1	bc	30·19	+·11	58	57	- 3	NNW	1	m	*	bc	*	74	52	-
	Brest ...	30·19	66	WSW	2	bc	30·04	-·10	63	60	+ 3	S	3	c	3	bc	*	70	57	-
	Lorient	30·20	66	S	5	b	30·12	-·04	61	59	- 1	SSW	3	c	4	b	*	73	57	-
France &	Rochefort ...	30·21	66	NNW	5	b	30·15	·00	61	59	- 2	NW	2	b	*	bc. b	*	70	57	-
	Belfort ...	30·15	60	W	2	O	30·20	+·12	51	51	- 12	E	O	f	*	O	*	72	48	0·04
	Lyons ...	30·21	61	N	1	r	30·18	+·08	63	58	- 1	NNW	2	b	*	r	*	67	57	0·59
	Nice	30·03	74	W	1	bc	29·89	-·23	69	60	- 7	E	1	b	2	bc	*	88	64	0·04
	Perpignan ...	30·14	69	NW	1	b	30·17	+·02	66	61	+ 2	N	2	b	*	b	*	73	57	0·87
	Biarritz ...	30·20	69	N	3	bc	30·12	-·03	61	57	- 3	E	3	b	2	bc	*	75	55	0·24
Penin-sula.	Corunna ...																*			
	Lisbon	30·10	67	SW	6	b	30·08	-·09	72	61	+ 5	N	3	b	*	b	*	81	64	-
	Azores (P. Delgada)	30·34	70	WNW	3	c	30·25	-·16	71	68	+ 1	N	1	O	2	c	*	75	66	-

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 7·1 hrs;

WEATHER CHARTS

FOR Friday, 13th August, 1897.

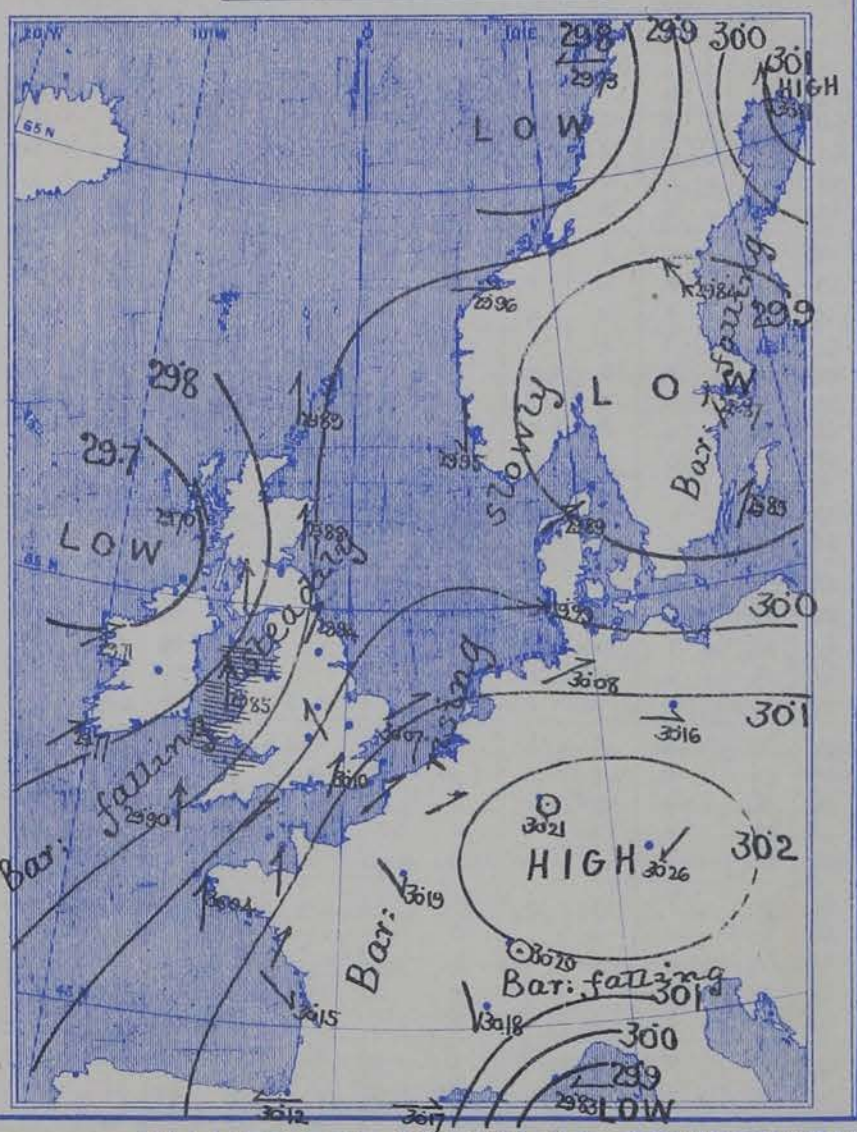
BAROMETER, WIND AND SEA.

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*

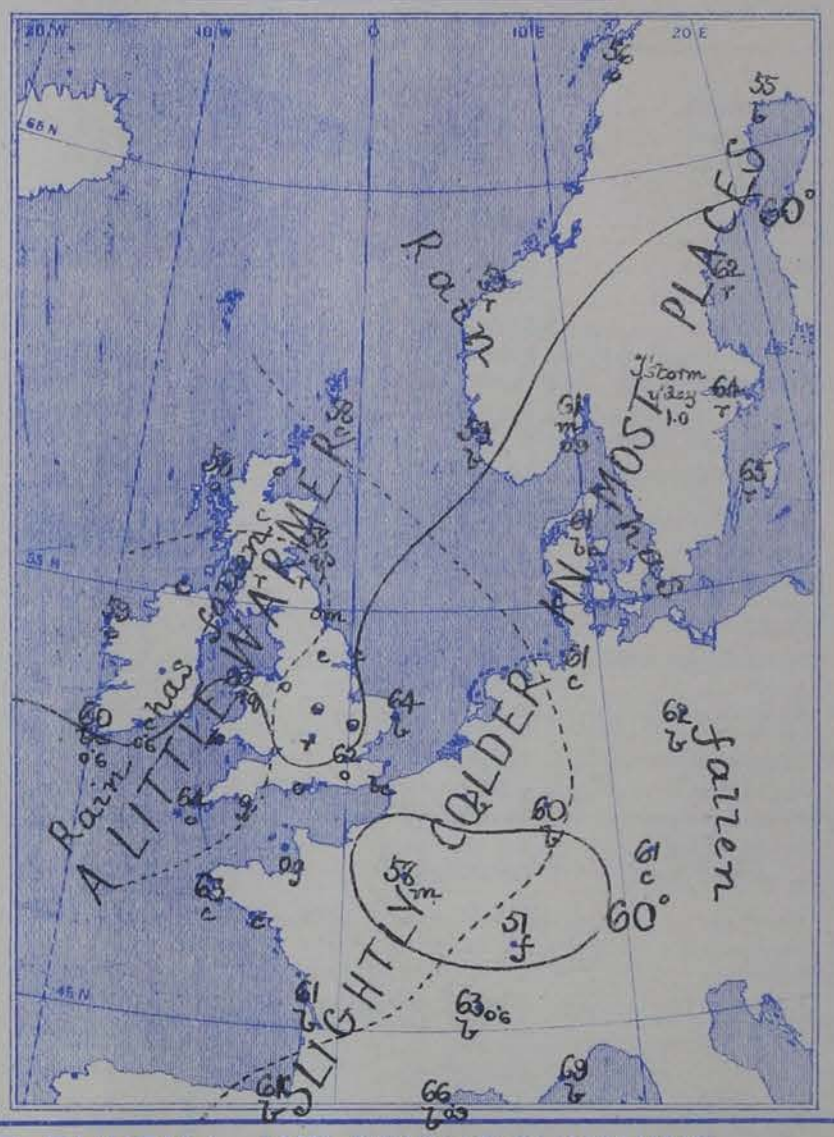


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 upwards over the southern parts of Germany; 30.1 ins. & upwards in Lapland.
Lowest 29.7 ins. and less in a depression off the W. of Scotland; 29.8 ins. and less in another system off the NW. of Norway; 29.9 ins. and less in two other disturbances,—one lying over the S^m. parts of Scandinavia and the other over the Gulf of Genoa.
Gradients moderate over the W^m. and N^m. parts of Gt. Britain, slight elsewhere.
Barometer falling in our islands and the W. and S. of France, as well as in Sweden; rising in Norway.

TEMPERATURE

Highest (1) 72° at Lisbon, and 69° at Nice; (2) 65° at Ushy, and 64° at Stockholm; (3) 64° at Jersey, the N. Foreland, Denmark & Germany; & Yarmouth.
Lowest (1) 51° at Belfort; (2) 53° at Christiansund, 55° at Haparanda and Shields, 56° at Christiansund, and 57° at Malin Head, Loughborough and Oxford.
The maxima registered yesterday were slightly above 70° in the S. and E. of England, and also at Leith. On many parts of our W^m. and extreme N^m. coasts the thermometer failed to touch 65°.

WIND

S^ly. over Gt. Britain and strong in force in the W. moderate from the SW^wd. in Ireland.
W^ly. over Denmark, the Netherlands and North Germany; S^ly. or SE^ly. in Sweden, with a gale at Hernösand.
Light and variable over the S^m. parts of France and Germany.

WEATHER

Fine in the extreme SE. of England, as well as in Denmark, Germany, the Netherlands, France and the S. of Ireland.
Dull in most other parts of our area, with rain at several of our own W^m. and N^m. stations, and also in many parts of Scandinavia.
Since yesterday morning rain has fallen in the W. of our islands generally, as well as at many of the Continental stations, the largest amounts being 1.0 in. at Karlstad, 0.9 in. at Faerder and Perpignan, and 0.6 in. at Valencia (Ireland), Rochés Pt. and Lyons.

SEA

Rather rough at Holyhead and Penbroke, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the W. of Scotland is moving N^wds., but it seems highly probable that further disturbances will shortly approach the Irish coasts. S^ly. winds and unsettled showery weather are likely to continue in most districts.

FORECASTS

For the 24 hours ending at NOON on 14^TH. AUGUST. 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 1 SCOTLAND NORTH	S^ly. winds, strong in places, squally, some rain.	▼ 6 SCOTLAND WEST	S^ly. to SW^ly. winds, strong, squally showery.
▼ 2 SCOTLAND EAST		▼ 7 ENGLAND N.W.	
2 ENGLAND N.E.	Same as No. 5.	▼ 8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	SW^ly. to S^ly. winds, increasing in force; fair at first, some rain later.
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH	S^ly. winds freshening; changeable, some showers, possibly thunder.	WARNINGS	At 7.10 pm. yesterday to districts 0, 1, and 6 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 ...	29·73	67	63	S	2	o	3
Sumburgh Head	29·81	59	56	NE	2	c	3
Stornoway	29·87	57	55	S	3	o	3
Aberdeen	29·87	61	57	NW	3	bc|o	3
Shields	29·90	60	57	NE	1	o|r	2
Ardrossan	29·92	66	63	N	3	b	2
Malin Head ...	29·94	63	60	NW	3	b	1
Belmullet	29·93	63	59	SSW	1	o	*
Holyhead ...	30·04	63	58	SW	3	e	2
Valencia	29·99	60	58	S	4	rg	4
Scilly	30·14	68	61	WSW	3	bf	1
Jersey	30·17	66	60	W	4	b	3
Hurst Castle ...	30·10	66	62	SW	4	c	3
Dungeness ...	30·05	64	62	WSW	4	c	2
North Foreland	30·05	69	59	W	3	be	2
London (Westminster)	30·03	75	59	WSW	3	bc	*
Yarmouth ...	29·95	70	69	WNW	4	c	3
Rochefort ...	30·26	70	66	NW	4	bc	*

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

Weather in morning fine over the greater part of W^m. central and S^m. Europe, but rainy in the NE. of England, thunderstorms reported in the extreme S. of France. Dull and unsettled in most of the N^rn. countries, with rain in Denmark, and also at Münster. Rain setting in later over the W. of our islands, – heavily in the S. of Ireland; considerable amounts falling also in various parts of Scandinavia and Denmark, and also in the south of France, with a thunderstorm at Karlstad.

Temperature fallen in most countries. Morning readings highest 86° at Spezzia, 83° at Algiers and La Calle, 82° at Arnsale, and 79° at Toulon and Cagliari; above 70° in many parts of S^m. Europe, and above 65° at several stations in Denmark and the S. of Scandinavia. Lowest (1) 45° at Archangel, and 52° at Haparanda and Kuopio; (2) 54° at Sumburgh Head, and 55° at Stornoway. Daily maxima below 65° on many parts of our own W^m. and extreme N^rn. coasts, but thermometer exceeding 70° in the SE. of England, and also at Leith. Reaching 81° at Lisbon, 84° at Berlin, and 88° at Nice.

Wind light to fresh from the W^nd. or NW^nd. over the greater part of our islands, France, the Netherlands and the N. of France, but SE^ly. at Valencia (Ireland). Light from the SE^nd. or S^nd. over Germany, Denmark and the S. of Norway. E. or NE^ly. in the west of Norway. N^ly. or NW^ly. over Denmark and Russia and also over the S^rn. parts of Italy. Variable over N^rn. Italy and the S. of France; N^ly. over the western parts of the Spanish peninsula.

Barometer highest 30·2 ins. and upwards in an area lying to the W. and NW. of the Spanish peninsula; 30·1 ins. and upwards in another system lying over Lapland, and also in a long band extending from Greece to Poland. Lowest 29·8 ins. and less in a large shallow depression lying over the North Sea, and also in another disturbance over the Gulf of Finland and the neighbouring provinces. Depression over North Sea subsequently moving NE^wd., but new and large disturbance appearing off our own W^rn. coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 14th August, 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.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.97	55	S	2	0	29.94	-.16	53	52	- 2	I	0	r	*	0	*	59	43	0.16
	Hernösand ...	29.90	58	NW	6	0	29.98	+.14	55	?	- 7	NW	6	b	*	0	*	64	54	0.31
	Stockholm ...	29.90	60	I	0	bc	30.01	+.14	60	57	- 4	WNW	2	b	4	bc	*	66	59	0.98
	Wisby	29.98	65	W	4	bc	30.06	+.17	63	60	- 2	WNW	4	C	*	bc	*	68	57	0.32
	Karlstad ...	29.94	65	SW	4	b	30.02	+.15	61	57	- 1	NE	2	c	*	b	*	*	*	0.16
	Bodo	29.91	53	W	4	r	30.06	+.33	50	45	- 6	I	0	r	0	r	*	59	45	0.64
	Christiansund ..	30.02	55	NW	2	b	29.95	-.01	55	51	+ 2	ESE	3	b	2	b	*	57	48	0.08
	Skudesnaes ...	29.99	61	I	0	b	29.91	-.04	60	58	+ 1	SSE	6	r	3	b	*	64	55	*
	Færder (Christiania Fjord)	29.91	68	SW	4	b	29.97	+.12	65	59	+ 4	SW	4	O	3	b	*	68	61	-
	Skagen (The Scaw)	29.98	61	W	2	b	30.02	+.13	62	59	+ 1	SW	1	C	O	b	*	68	55	-
	Fanö	30.04	61	SW	1	c	30.00	+.01	61	60	- 1	SSW	2	r	*	c	*	68	61	0.04
British Islands	Sumburgh Head	29.79	58	SSW	4	o	29.59	-.30	57	57	- 1	SSE	2	r	4	O	*	62	55	0.20
	Stornoway ...	29.61	58	S	2	o	29.57	-.13	55	54	- 3	S	4	O	4	r.o	0.0	59	51	0.20
	Wick	29.70	58	S	3	r	29.63	-.20	61	59	+ 3	SW	2	bc	1	r	*	62	55	0.10
	Nairn	29.63	60	I	0	r	29.61	-.18	61	60	+ 3	SW	1	bc	1	r	*	65	50	0.35
	Aberdeen ...	29.75	58	SSE	4	ogrq	29.67	-.21	63	57	+ 5	SW	2	b	2	cq.rq	0.7	63	54	0.07
	Leith	29.71	64	SSW	1	o	29.70	-.14	62	57	+ 4	SSW	1	c	*	O	*	62	53	0.46
	Shields	29.79	62	S	4	ou	29.78	-.16	63	58	+ 8	SSW	2	bc	2	o.pq	*	66	53	0.05
	Spurn Head ...	29.88	62	S	4	O	29.88	-.14	62	60	+ 1	WSW	4	b	4	c.op	*	69	55	0.07
	York	29.86	63	S	1	O	29.85	-.15	60	56	- 1	S	1	b	*	O	0.3	67	50	0.14
	Loughborough ...	29.89	61	S	3	O	29.92	-.12	60	58	+ 3	SW	3	bcw	*	op.c.bc	*	66	53	0.05
	Ardrossan ...	29.66	59	SSW	3	or	29.70	-.07	57	56	- 2	S	4	b	3	or	*	59	55	0.48
	Malin Head ...	29.65	60	E	3	c	29.61	-.05	58	56	+ 1	SSW	5	bc	4	c	*	62	52	0.02
	Belmullet ...	29.66	60	SW	2	bcp	29.64	-.07	57	54	- 2	WSW	2	c	*	bc.p	*	63	52	0.22
	Donaghadee ...	29.69	59	SW	3	O	29.74	-.03	59	56	+ 1	WSW	5	b	2	p.o	*	61	50	0.36
	Liverpool (Bidston)	29.77	59	SSE	2	p	29.84	-.09	60	56	+ 2	SSE	1	O	2	p	*	63	55	0.11
	Holyhead ...	29.74	57	S	2	cru	29.83	-.02	58	56	- 2	SSW	3	c	2	rq.r	*	61	54	0.47
	Parsonstown ...	29.71	64	W	1	b	29.76	+.02	57	53	- 2	SE	1	bc	*	b	6.5	67	50	0.03
	Valencia ...	29.74	61	SW	3	cp	29.77	.00	55	53	- 5	SW	4	cp	6	cp	9.7	65	52	0.21
	Roche's Point ...	29.78	63	SW	5	b	29.83	+.02	59	55	+ 1	SW	5	bc	4	b	*	66	55	-
	Pembroke (St. Ann's Hd.)	29.81	61	W	5	b	29.90	+.01	61	59	- 1	SW	4	c	4	o.b	2.9	62	55	0.50
	Scilly	29.90	62	WSW	3	cp	29.94	+.04	63	60	- 1	SW	4	c	2	bc.cp	4.2	66	58	0.25
	Prawle Point ...	29.90	59	SSW	5	r	29.98	-.05	60	58	O	SW	4	c	3	rq.c	*	61	55	0.33
	Jersey (St. Aubin)	29.99	68	S	4	cq	30.06	-.04	63	61	- 1	SW	4	cq	3	cq	*	71	57	0.17
	Hurst Castle ...	29.95	65	SSW	5	c	30.01	-.08	65	63	+ 3	SW	4	c	3	p.o.bc	*	67	59	0.08
	Dungeness ...	30.00	64	S	3	c	30.00	-.11	64	61	+ 1	WSW	2	bc	1	c	*	66	60	0.01
Germany & Holland	North Foreland	30.02	65	S	3	c	30.01	-.11	64	59	O	SW	2	bc	2	o.c	*	66	58	0.02
	London (Brixton) ...	29.97	66	SW	3	cp	29.99	-.11	61	58	- 1	WSW	2	c	*	op.bc.op	1.1	72	54	0.10
	Oxford	29.91	61	S	3	r	29.96	-.10	59	57	+ 2	SSW	3	bc	*	p.c	*	65	52	0.30
	Cambridge ...	29.94	65	S	2	o	29.96	-.12	60	58	+ 2	SW	2	bw	*	op	1.0	68	53	0.05
	Yarmouth ...	29.98	65	SSE	4	c	29.94	-.13	64	62	O	SSW	3	b	2	c	*	66	58	0.03
	Cuxhaven ...	30.09	66	N	1	b	30.01	-.07	60	57	- 1	S	3	O	*	b	*	68	57	-
	Berlin	30.15	69	I	0	b	30.14	-.02	64	59	+ 2	SSE	3	c	*	b	*	73	57	-
	Wiesbaden ...	*	*	*	*	*	30.11	-.10	63	59	+ 3	S	1	bc	*	*	*	73	59	-
	Munich														*		*			
	The Helder ...	30.04	64	S	1	c	29.96		66	63		SSW	2	bc	1	c	*	68	61	0.04
France & Belgium	Brussels ...	*	*	*	*	*	30.06	-.12	66	60	+ 5	SW	2	bc	*	O	*	72	59	-
	Cape Gris Nez ...	30.01	64	SW	1	c	29.99	-.13	60	59	O	W	2	c	3	c	*	68	59	0.04
	Paris	30.08	68	S	2	bc	30.09	-.10	62	59	+ 4	SW	1	b	*	bc	*	74	55	-
	Brest	29.97	60	SW	3	f	30.04	.00	62	60	- 1	SW	2	c	3	f	*	66	59	0.04
	Lorient	30.03	66	S	4	c	30.07	-.05	60	59	- 1	S	1	O	5	c	*	72	57	-
	Rochefort ...	30.06	68	NW	3	bc	30.08	-.07	64	60	+ 3	NW	3	c	*	bc	*	81	57	-
	Belfort	30.09	67	E	1	c	30.14	-.06	62	59	+ 11	I	0	m	*	c	*	74	51	-
	Lyons	30.08	71	N	1	b	30.15	-.03	65	60	+ 2	SSW	1	b	*	b	*	76	56	-
	Nice	30.05	70	I	0	c	30.07	+.24	76	63	+ 7	I	0	b	1	c	*	82	64	-
	Perpignan ...	30.04	73	I	0	bc	30.13	-.04	68	63	+ 2	I	0	b	*	bc	*	83	56	-
	Biarritz ...	30.00	77	NE	2	bc	30.05	-.07	68	65	+ 7	SSW	3	O	2	bc	*	84	61	-
Peninsula	Corunna ...																*			
	Lisbon	30.08	68	N	5	b	30.08	.00	69	60	- 3	S	3	c	*	b	*	86	62	-
	Azores (P. Delgada)	30.21	69	NW	1	O	30.16	-.09	71	70	O	WSW	3	O	2	O	*	75	68	-

For Explanation of Columns, see bottom of last page. Erratum;- The Min: Temp: for London in yesterday's Report should read "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 0.2 hrs;

WEATHER CHARTS

FOR ..... Saturday, 14th August, 1897.

BAROMETER, WIND AND SEA.

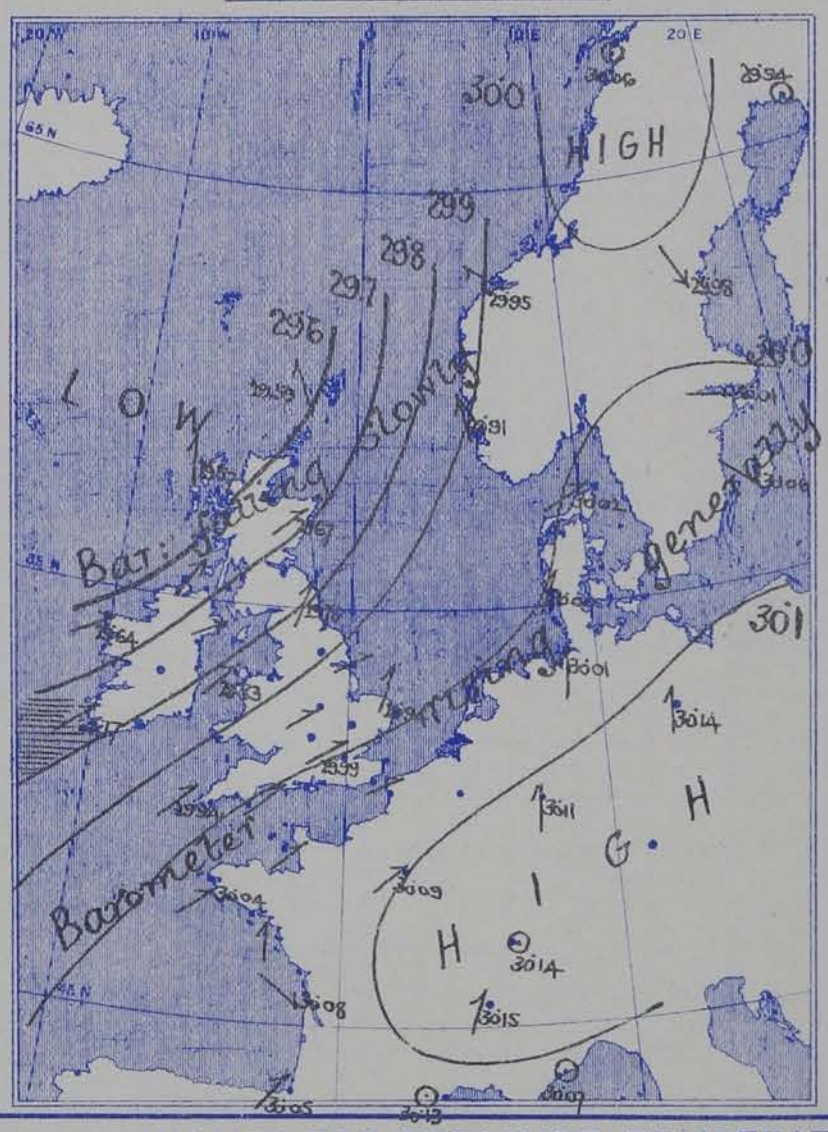
BAROMETER—Isobars are drawn for each tenth of an inch.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 upwards in an anticyclone lying over Germany and central France.
Lowest 29.6 ins. and less in a large shallow area lying to the northwestward of Scotland.
Gradients slight generally, but moderate over the northern parts of the North Sea.
Barometer falling a little in the north of our islands, as well as on the eastern shores of the North Sea, but rising in most other localities.

TEMPERATURE

Highest 76° at Nice, 68° at Perpignan and Biarritz, 66° at the Helder, and 65° at Faerder, Hurst castle and Lyons.
Lowest 50° at Bodö, 53° at Haparanda, and 55° at Hernösand, Christiansund, Stornoway & Valencia (Ireland).
The maxima registered yesterday were below 65° at many of our W.m and N.m stations; at Jersey, however, the thermometer rose to 71°, and in London to 72°.

WIND

Light to fresh from the SW.ward over our islands, and from the S.ward on the E.m shores of the North Sea.
W.ly or NW.ly at most of the Swedish stations; calm in the south of France.

WEATHER

Fair or fine over our islands generally, but showery at Valencia (Ireland) and rainy at Sumburgh Hd, as well as at Skudesnaes, Fanö and in the north of Scandinavia.
Fine over France and the Netherlands, and also at many of the Swedish stations.
Rain fell yesterday in nearly all parts of our islands and Scandinavia, the largest amounts reported being 1·0 in. at Stockholm, 0·7 in. at Bodö, and 0·5 in. at Leith, Ardrossan, Donaghadee, Holyhead and Pembroke.

SEA

Moderate to smooth generally, but rough at Valencia (Ireland)

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no distinct signs of the advance of any new depression, but the barometer is rather unsteady in the west, and the general appearance is not at all settled.

FORECASTS

For the 24 hours ending at NOON on 15TH AUGUST 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.ly and SW.ly winds moderate or fresh; fair at first, some showers later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SW.ly to S.ly winds, moderate, fair generally, but perhaps local showers.
6	SCOTLAND WEST	SW.ly to S.ly winds, fresh; fair at first, some showers later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 7.20 pm yesterday to districts 0, 1 and 6 to 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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.98	64	57	NNW	4	b	1	Valencia	29.74	64	59	SSW	4	cp	4
Sumburgh Head	29.84	60	57	S	3	o	4	Scilly	29.84	63	60	W	3	bc	3
Stornoway	29.64	58	?	S	4	r	4	Jersey	30.05	69	63	SSE	4	c	3
Aberdeen	29.80	60	57	SSE	4	cq	3	Hurst Castle ...	30.03	67	63	SSW	4	o	3
Shields	29.86	65	57	SSW	4	o	2	Dungeness ...	30.07	64	60	SSW	4	c	3
Ardrossan	29.68	59	59	S	5	r	4	North Foreland	30.08	65	58	S	2	o	2
Malin Head ...	29.66	61	58	W	3	c	1	London (Westminster)	30.01	68	60	S	3	c	*
Belmullet	29.73	63	60	SW	2	bc	*	Yarmouth ...	30.02	66	62	SSE	4	cv	3
Holyhead	29.78	60	59	S	7	gmrq	6	Rochefort ...	30.12	77	73	NW	2	bc	*

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

Continental information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

for 8 a.m. on Sunday 15 August, 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 ...	30·01	56	NE	0	0	29·99	+ ·05	57	55	+ 4	NE	0	0	#	0	#	63	48	0·04
	Hernösand ...	29·98	53	NE	0	bc	29·98	·00	58	55	+ 3	NW	2	bc	#	bc	#	70	48	—
	Stockholm ...	30·02	63	SW	2	0	30·04	+ ·03	66	61	+ 6	W	2	b	#	0	#	70	54	—
	Wisby	30·07	63	SSE	4	b	30·07	+ ·01	64	61	+ 1	WNW	4	bc	#	b	#	66	57	—
	Karlstad ...	30·00	61	W	2	c	30·02	·00	61	58	0	W	2	bc	#	0	#	#	#	—
	Bodö	29·99	51	N	2	b	29·86	— ·20	60	52	+ 10	E	2	bc	1	b	#	?	46	—
	Christiansund ...	29·74	64	ESE	2	bc	29·86	— ·09	59	56	+ 4	SSW	1	0	1	bc	#	64	54	—
	Skudesnaes ...	29·88	60	SSE	4	0	29·88	— ·03	61	59	+ 1	SSE	6	Mr	4	0	#	61	55	#
	Færder (Christiania Fjord)	29·97	63	SSW	3	0	29·99	+ ·02	64	59	— 1	SW	2	bc	2	0	#	64	61	0·08
	Skagen (The Scaw)	29·99	62	SW	1	c	30·01	— ·01	60	58	— 2	SW	1	b	0	c	#	63	57	0·20
	Fanö	29·99	61	SW	1	b	29·95	— ·05	62	61	+ 1	SE	2	b	#	b	#	72	57	0·08
British Islands.	Sumburgh Head	29·63	58	S	1	0	29·63	+ ·04	57	56	0	S	2	c	4	a	#	60	50	0·07
	Stornoway ...	29·55	58	SW	5	0	29·52	— ·05	57	54	+ 2	S	6	bc	6	0	8·5	60	52	—
	Wick	29·65	59	SW	2	bc	29·64	+ ·01	58	56	— 3	S	3	c	1	bc	#	66	52	—
	Nairn	29·62	59	WSW	2	c	29·60	— ·01	60	60	— 1	WSW	2	b	1	c	#	68	46	—
	Aberdeen ...	29·69	58	S	3	bc†	29·67	·00	59	56	— 4	S	2	bc	2	bc†p	11·7	67	54	0·01
	Leith	29·71	60	SW	3	bc	29·68	— ·02	64	57	+ 2	SW	2	bc	#	bc	#	69	53	0·03
	Shields	29·78	65	SW	3	bc	29·74	— ·04	61	57	— 2	SSW	3	c	2	bc	#	69	53	—
	Spurn Head ...	29·86	63	SSW	3	c	29·83	— ·05	61	60	— 1	SSW	3	c	3	c	#	70	56	—
	York	29·85	65	S	1	c	29·80	— ·05	60	52	— 0	S	1	0	#	c	6·5	72	52	0·02
	Loughborough ...	29·88	67	SW	3	c	29·85	— ·07	60	58	0	S	3	cw	#	ep, bc, c	#	72	54	0·01
	Ardrossan ...	29·67	59	S	4	c	29·64	— ·06	57	57	0	S	2	r	2	c	#	62	55	0·06
	Malin Head ...	29·59	58	SSW	3	c	29·56	— ·05	57	55	— 1	S	5	c	2	c	#	61	51	—
	Belmullet ...	29·63	60	SSW	3	bc	29·62	— ·02	57	53	0	WSW	1	0	#	bc	#	61	53	0·06
	Donaghadee ...	29·70	59	SSW	5	b	29·67	— ·07	56	55	— 3	SSW	4	c	2	b.p	#	64	48	0·19
	Liverpool (Bidston)	29·82	64	SW	4	c	29·76	— ·08	64	58	+ 4	SE	1	bc	1	c	#	68	55	—
	Holyhead ...	29·80	59	SW	4	c	29·73	— ·10	59	58	+ 1	S	3	rgw	2	c	#	65	56	0·11
	Parsonstown ...	29·71	60	SW	1	0	29·63	— ·13	59	57	+ 2	S	1	c	#	bc, op	5·6	64	51	0·14
	Valencia ...	29·73	60	SW	5	cp	29·66	— ·11	56	55	+ 1	NE	0	bc	4	0, cp	4·2	64	53	0·62
	Roche's Point ..	29·78	61	SW	4	cp	29·70	— ·13	61	59	+ 2	WSW	4	cp	4	cp	#	65	56	0·15
	Pembroke (St. Ann's Hd.)	29·86	61	SW	5	c	29·78	— ·12	61	60	0	SSW	4	0	4	c	3·6	64	57	0·17
	Scilly	29·92	63	SSW	4	cp	29·78	— ·21	60	58	— 3	S	3	r	4	cp	7·2	70	57	0·16
	Prawle Point ...	29·95	61	SW	4	bc	29·82	— ·16	59	58	— 1	SE	3	op	3	bc	#	65	57	0·06
	Jersey (St. Aubin's)	30·02	67	S	3	bc	29·85	— ·21	62	61	— 1	SSE	3	0	3	bc	#	70	53	—
	Hurst Castle ...	29·98	64	SW	3	c	29·85	— ·16	65	62	0	SE	2	c	2	bc/c	#	69	60	—
	Dungeness ...	29·99	63	SSW	3	bc	29·88	— ·12	65	61	+ 1	ESE	2	c	1	c.bc	#	68	60	—
	North Foreland	29·99	66	SSW	3	bc	29·89	— ·12	66	62	+ 2	SE	2	bc	2	bc	#	74	56	—
	London (Brixton) ...	29·96	68	SW	2	bc	29·88	— ·11	62	57	+ 1	SSE	1	c	#	c, bc	9·6	75	55	—
	Oxford	29·94	60	S	2	0	29·85	— ·11	61	58	+ 2	S	2	0	#	op	#	69	54	0·03
	Cambridge ...	29·92	68	SW	3	0	29·88	— ·08	62	60	+ 2	SW	1	ow	#	b, 0	10·8	75	54	—
	Yarmouth ...	29·92	67	S	4	b	29·88	— ·06	65	59	+ 1	S	3	b	3	b	#	72	55	—
Germany & Holland.	Cuxhaven ...	30·01	68	NE	0	b	29·96	— ·05	62	59	+ 2	SSW	2	c	#	b	#	73	61	—
	Berlin														#		#			
	Wiesbaden ...	#	#	#	#	#	30·02	— ·09	62	59	— 1	NE	0	r	#	#	#	79	61	—
	Munich	30·17	65	NE	0	b	30·09		66	63		E	2	b	#	b	#	75	55	—
	The Helder ...	29·98	67	SW	1	bc	29·93	— ·03	62	60	— 4	S	1	bc	1	bc	#	68	54	—
France & Belgium.	Brussels ...	#	#	#	#	#	29·93	— ·13	66	62	0	SE	1	bc	#	0	#	75	55	0·04
	Cape Gris Nez ...	30·01	64	WSW	2	c	29·91	— ·08	64	57	+ 4	S	1	bc	0	c	#	68	55	—
	Paris	30·04	68	S	1	0	29·92	— ·17	61	59	— 1	NE	1	0	#	0	#	75	55	—
	Brest	30·00	64	SW	2	c	29·77	— ·27	60	59	— 2	E	2	r	3	c	#	68	57	—
	Lorient	30·02	64	W	2	c	29·82	— ·25	59	58	— 1	ESE	3	r	5	c	#	73	57	0·04
	Rochefort ...	30·06	73	ESE	2	0	29·85	— ·23	64	63	0	SSE	3	0	#	0	#	73	61	—
	Belfort	30·02	73	NE	0	c	29·99	— ·15	64	61	+ 2	NE	0	nw	#	c	#	79	57	—
	Lyons	30·02	75	ENE	1	bc	29·97	— ·18	65	62	0	SE	1	c	#	bc	#	82	63	—
	Nice	30·04	75	WSW	1	b	30·04	— ·03	71	62	— 5	NE	0	bc	1	b	#	88	68	—
	Perpignan ...	29·99	73	NE	2	0	29·99	— ·14	69	63	+ 1	E	2	0	#	0	#	80	66	—
	Biarritz ...	29·98	71	N	3	0	29·83	— ·22	66	64	— 2	ESE	3	0	4	0, l	#	77	63	—
Peninsula.	Corunna ...	30·13	66	N	3	bc	30·09		65	64		WSW	2	f	3	bc	#	70	59	0·04
	Lisbon	30·08	71	WNW	1	b	30·09	+ ·01	68	64	— 1	SSW	2	0	#	b	#	84	64	—
	Azores (P. Delgada)	30·15	72	W	4	bc	30·15	— ·01	72	71	+ 1	WSW	1	bc	3	bc	#	77	68	—

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

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

Bright Sunshine yesterday Southport 6.7 hrs;

WEATHER CHARTS

FOR Sunday, 15th August, 1897.

BAROMETER, WIND AND SEA.

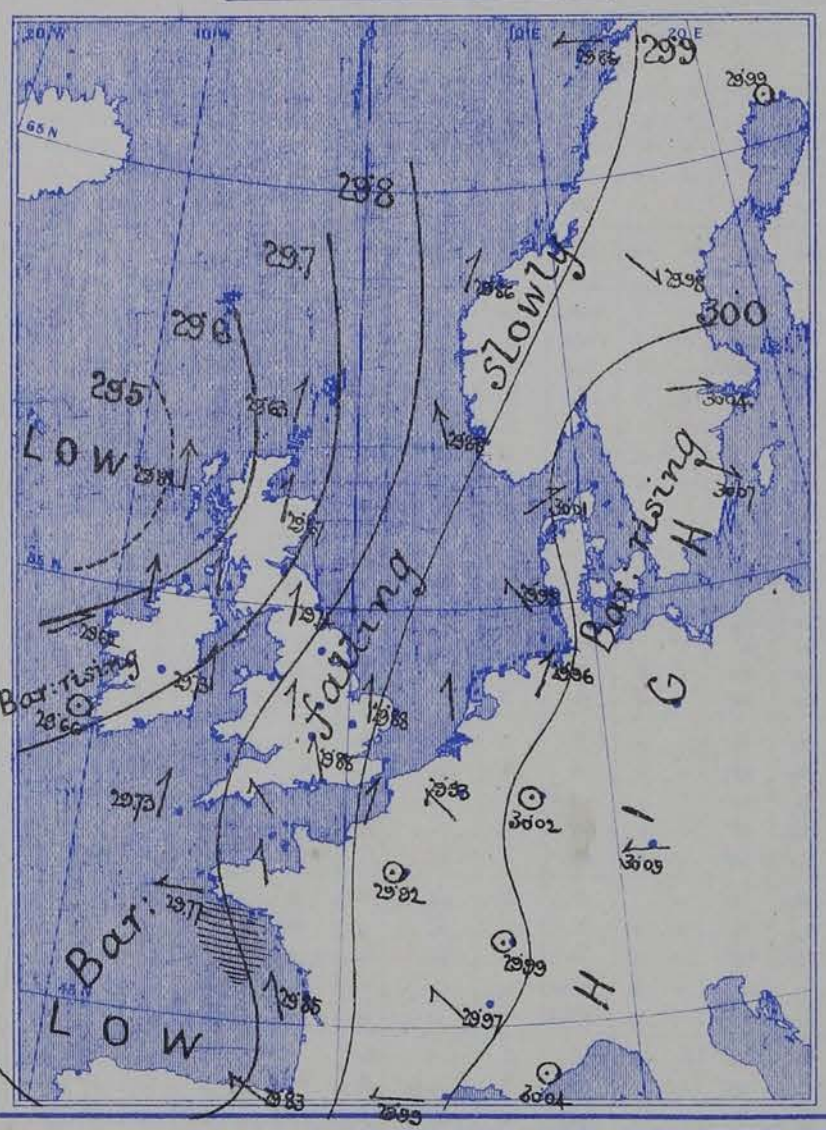
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▩

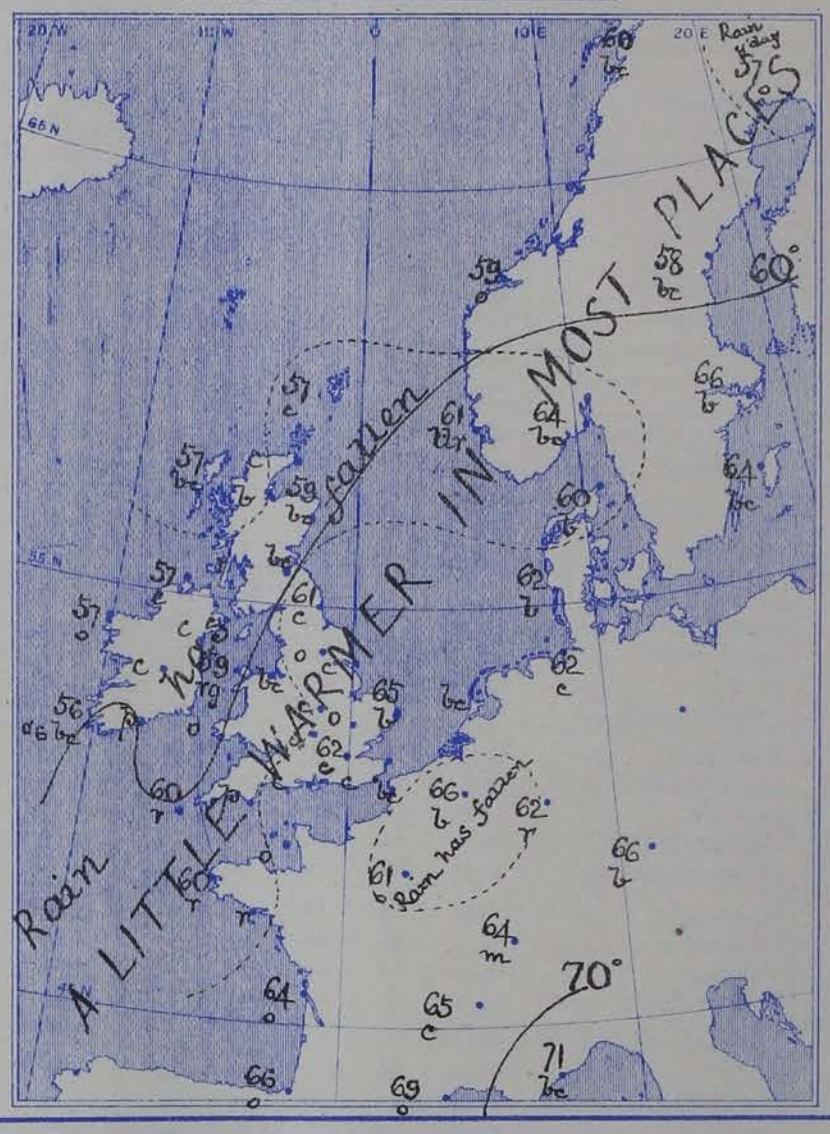


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 in: and more over the Mediterranean, Central Europe, the Baltic and south of Sweden, and exceeding 29·8 in: over the whole of France and the greater part of England.

Lowest. Below 28·5 in: off the extreme northwest of our Islands, and apparently below 29·7 in: in a small disturbance over the Bay of Biscay.

Gradient moderate:—mainly favourable for S. winds over our Islands

Barometer rising in the south and west of Ireland, falling in most other places.

TEMPERATURE

Highest, (1) 71° at Nice, 66° at Biarritz, Berneda, the North Foreland, and Stockholm.

Lowest, 56° at Davegladen and Valencia, 57° at Lerwick, Stornoway, Aberdeen and Belmullet.

The highest of the maxima recorded yesterday ranged from 70° to 75° over England and the northern parts of France, but touched 82° at Lyons, 84° at Lisbon, and 88° at Nice.

WIND

(1) S. over the greater part of our Islands, but almost W. in the south of Ireland; (2) E. over Brittany, but WSW at Coruna; (3) Over Sweden it is W.

WEATHER

Dull and rainy in the west and northwest of France, showery over our most western districts, fair, but not settled, over England. Fine on the eastern shores of the North Sea, but a thunderstorm reported at Rudesness.

Rain has fallen generally in the west and north—heavily at Valencia.

SEA

Rough at Stornoway, moderate in the southwest, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 16th AUGT. 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 ...	29.81	61	59	SSE.	6	r	4
Sumburgh Head	29.63	59	57	S	2	bc	4
Stornoway	29.56	60	55	SW	5	c	5
Aberdeen	29.69	65	57	SW	3	b	3
Shields	29.80	68	60	SW	4	bc	2
Ardrossan	29.69	58	57	S	6	r	4
Malin Head ...	29.62	53	51	SSW	3	c	3
Belmullet	29.65	61	55	WSW	3	c	*
Holyhead	29.83	64	60	SSW	5	c	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.74	61	58	SSW	4	op	5
Scilly	29.94	69	63	SSW	4	c	4
Jersey	30.05	69	64	SW	4	bc	4
Hurst Castle ...	30.01	69	64	SW	4	bc	3
Dungeness ...	30.00	65	62	SSW	4	c	3
North Foreland	30.01	68	62	S	4	c	3
London (Westminster)	29.96	73	62	SSW	3	bc	*
Yarmouth ...	29.94	68	66	SSE	5	bc	3
Rochefort ...	30.06	73	71	ESE	2	0	*

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

Weather in morning fine over the southern, western, and central parts of Continental Europe, as well over Sweden and England; raining in the extreme north of Europe, and showery over the west of Ireland. Considerable rain (0·6 in.) at Valencia later, and smaller quantities at our northern and western stations generally, as well as in some parts of France and on the eastern shores of the North Sea; thunder at Aberdeen.

Temperature in morning highest, 80° at Barcelona, and exceeding 70° at nearly all the Mediterranean and Adriatic stations, 66° at Brussels, and Nieuport-sur-mer, 64° on our own southeast coast, 63° at Wicky. Lowest 43° at Archangel, 50° at Bodö, 55° at Stornoway, 57° at Aberdeen and Belmullet. Rising later to between 70° and 75° over the inland parts of England, to 75° at Brussels and Paris, to 80° at Perpignan and to 88° at Nice.

Wind very light and variable (mainly anticyclonic) over southwestern, southeastern, and central Europe; SW., moderate to light, over the British Islands, W. to NW. over Sweden and the Baltic, but E. at Bodö and Uleaborg. Becoming N. in the southwest of France later; very little change elsewhere.

Barometer highest 30·2 in. and more to 30·3 in. over all but the northern countries of Europe. Lowest below 29·6 in. over the Shetlands, the Hebrides, and the northwest of Scotland. Gradients slight to moderate. Falling a little later over the southern and northern countries generally, but distribution not materially changed.

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 16th August, 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	55	2	0	0	29.92	−.07	56	54	− 1	S	2	bc	*	0	*	61	52	0.04
	Hernösand ...	29.93	59	2	0	0	29.91	−.07	55	54	− 3	2	0	f	*	0	*	68	45	—
	Stockholm ...	30.02	62	2	0	b	29.95	−.09	69	64	+ 3	ESE	2	b	*	b	*	72	57	—
	Wisby	30.02	64	SSE	4	c	29.91	−.16	68	63	+ 4	SSE	4	b	*	c	*	68	57	—
	Karlstad ...	29.94	64	SSW	2	b	29.83	−.19	62	60	+ 1	NE	2	r	*	b	*	*	*	0.12
	Bodö	29.89	57	WSW	1	b	29.90	+.04	53	51	− 7	2	0	0	0	b	*	63	50	—
	Christiansund ...	29.82	63	NE	1	b	29.78	−.08	59	56	0	ENE	2	0	3	b	*	66	52	—
	Skudesnaes ...	29.84	63	S	6	b	29.68	−.20	61	59	0	2	0	r	3	0	*	65	55	*
	Færder (Christiania Fjord)	29.92	65	S	2	bc	29.71	−.28	64	62	0	E	6	0	3	bc	*	66	63	0.08
	Skagen (The Scaw)	29.89	65	SE	1	bc	29.66	−.35	66	63	+ 6	SE	3	c	0	bc	*	73	55	—
	Fanö	29.76	63	E	4	c	29.51	−.44	62	62	0	SE	6	r	*	c	*	72	62	0.32
British Islands.	Sumburgh Head	29.60	59	S	3	bc	29.53	−.10	54	54	− 3	W	1	0	3	bc	*	61	53	0.40
	Stornoway ...	29.52	59	S	5	c	29.52	.00	55	54	− 2	SW	3	0	4	p,c	10.8	62	53	0.08
	Wick	29.61	58	S	1	c	29.60	−.04	58	56	0	SW	1	b	0	c	*	66	45	0.03
	Nairn	29.55	65	SW	1	c	29.59	−.01	60	58	0	W	2	b	1	c	*	70	47	—
	Aberdeen ...	29.64	57	SSE	3	og	29.62	−.05	62	55	+ 3	SW	2	b	1	r.og,r	4.3	63	48	0.13
	Leith	29.63	61	SW	2	0	29.69	+.01	60	56	− 4	SW	3	b	*	0	*	66	51	0.44
	Shields	29.69	58	SSW	2	r	29.72	−.02	61	57	0	SW	3	bc	2	p,r	*	68	52	0.19
	Spurn Head ...	29.71	61	SSE	4	0	29.79	−.04	61	60	0	WNW	4	b	3	o,p	*	69	57	0.02
	York	29.71	63	NW	1	0	29.79	−.01	60	56	0	W	1	b	*	0	2.4	71	53	0.06
	Loughborough ...	29.74	59	SSW	1	0	29.86	+.01	60	56	0	W	3	bw	*	c,op,c,b	*	69	54	0.02
	Ardrossan ...	29.60	59	S	3	bc	29.69	+.05	57	57	0	SSW	4	0	3	p,bc	*	59	54	0.23
	Malin Head ...	29.61	60	WNW	5	bc	29.69	+.13	59	57	+ 2	WNW	4	ctq	2	bc	*	64	53	0.28
	Belmullet ...	29.68	61	W	2	bc	29.77	+.15	59	55	+ 2	WSW	2	0	*	b,bc	*	62	54	0.06
	Donaghadee ...	29.63	61	SW	3	p	29.78	+.11	59	57	+ 3	W	4	b	2	p	*	64	47	0.13
	Liverpool (Bidston)	29.70	60	WSW	1	p	29.82	+.06	59	54	− 5	WSW	4	b	3	p	*	68	55	0.25
	Holyhead ...	29.70	57	SW	3	p	29.85	+.12	58	56	− 1	WSW	4	c	3	p	*	63	53	0.14
	Parsonstown ...	29.70	62	W	2	bc	29.85	+.22	58	54	− 1	W	1	0	*	r,bc	6.9	65	52	0.11
	Valencia ...	29.76	60	WSW	3	bc	29.87	+.21	60	57	+ 4	SSW	3	om	4	bc	10.8	63	56	—
	Roche's Point ...	29.73	63	WNW	3	b	29.91	+.21	60	57	− 1	WSW	4	c	3	b	*	65	54	0.05
	Pembroke (St. Ann's Hd.)	29.75	60	SW	4	r	29.94	+.16	60	58	− 1	NW	4	b	4	r	0.4	63	56	0.05
	Scilly	29.75	63	SW	2	c	29.98	+.25	62	59	+ 2	W	3	c	3	c	1.2	65	58	0.03
	Prawle Point ...	29.74	60	ESE	2	bc	29.99	+.17	62	58	+ 3	WNW	3	b	2	bc,rw	*	61	54	0.02
	Jersey (St. Aubin's)	29.70	62	SSE	3	og	30.01	+.16	63	60	+ 1	WNW	3	cg	3	r.og,p	*	63	51	0.19
	Hurst Castle ...	29.78	59	W	1	rw	29.92	+.07	60	59	− 5	W	4	c	2	rw	*	65	55	0.20
	Dungeness ...	29.70	60	NE	1	cp	29.88	.00	64	60	− 1	WNW	2	bc	1	r.cp	*	68	53	0.19
	North Foreland	29.72	61	NNE	2	0	29.87	−.02	62	58	− 4	W	4	b	2	r.o	*	66	56	0.20
	London (Brixton) ...	29.78	61	SE	1	0	29.89	+.01	60	56	− 2	WNW	2	b	*	bc,ogp	2.4	69	50	0.18
	Oxford	29.75	58	NW	1	0	29.90	+.05	60	57	− 1	WSW	1	b	*	ogp	*	65	50	0.04
	Cambridge ...	29.74	60	S	1	r	29.87	−.01	60	58	− 2	W	2	bw	*	bc,r	4.1	72	52	0.13
	Yarmouth ...	29.76	62	SSE	4	r	29.80	−.08	61	58	− 4	W	3	b	2	r	*	66	53	0.06
Germany & Holland	Cuxhaven ...	29.81	68	NE	3	c	29.58	−.38	69	62	+ 1	S	3	r	*	c	*	72	62	0.08
	Berlin	29.88	71	SE	2	b	29.68		71	66		S	3	c	*	b	*	77	63	—
	Wiesbaden ...	*	*	*	*	*	29.76	−.26	65	64	+ 3	W	1	c	*	*	*	77	62	0.08
	Munich	29.92	66	E	4	0	29.89	−.20	62	62	− 4	SW	1	r	*	0	*	79	61	0.04
	The Helder ...	29.72	66	NE	4	r	29.75	−.18	62	57	0	NW	4	b	2	r	*	68	61	1.10
France & Belgium.	Brussels ...	*	*	*	*	*	29.86	−.07	61	59	− 5	NW	3	c	*	r	*	76	58	0.24
	Cape Gris Nez ...	29.72	60	E	2	r	29.85	−.06	59	57	− 5	NW	3	b	2	r	*	73	57	0.39
	Paris	29.74	64	NE	1	r	29.91	−.01	61	59	0	NW	3	c	*	r	*	77	59	0.35
	Brest	29.70	64	NNW	2	bc	30.04	+.27	59	57	− 1	W	2	c	3	bc	*	66	55	0.43
	Lorient	29.63	64	NE	4	0	30.04	+.22	61	59	+ 2	NW	4	b	4	0	*	73	57	0.91
	Rochefort ...	29.72	68	SW	5	r	30.08	+.23	64	62	0	NNW	5	b	*	r	*	78	61	0.71
	Belfort	29.75	71	ENE	2	r	29.79	−.20	61	61	− 3	W	3	r	*	r	*	74	60	1.10
	Lyons	29.84	66	S	5	r	29.89	−.08	66	63	+ 1	W	1	0	*	r	*	81	61	0.55
	Nice	29.77	71	SW	1	0	29.85	−.19	66	62	− 5	W	1	b	2	0	*	84	57	0.87
	Perpignan ...	29.82	76	SW	2	0	29.93	−.06	72	63	+ 3	NW	4	b	*	0	*	76	68	—
	Biarritz ...	29.87	76	SW	5	0	30.10	+.27	69	66	+ 3	NW	4	c	5	0.tr	*	81	66	0.28
Peninsula.	Corunna ...																*			
	Lisbon	30.13	72	NW	3	0	30.16	+.07	71	67	+ 3	SSW	1	0	*	0	*	79	68	—
	Azores (P. Delgada)	30.24	70	NNE	2	rw	30.23	+.08	72	68	0	2	0	b	2	rw	*	77	64	—

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

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

Bright Sunshine yesterday Southport 3.1 hrs;

WEATHER CHARTS

FOR Monday, 16th August, 1897.

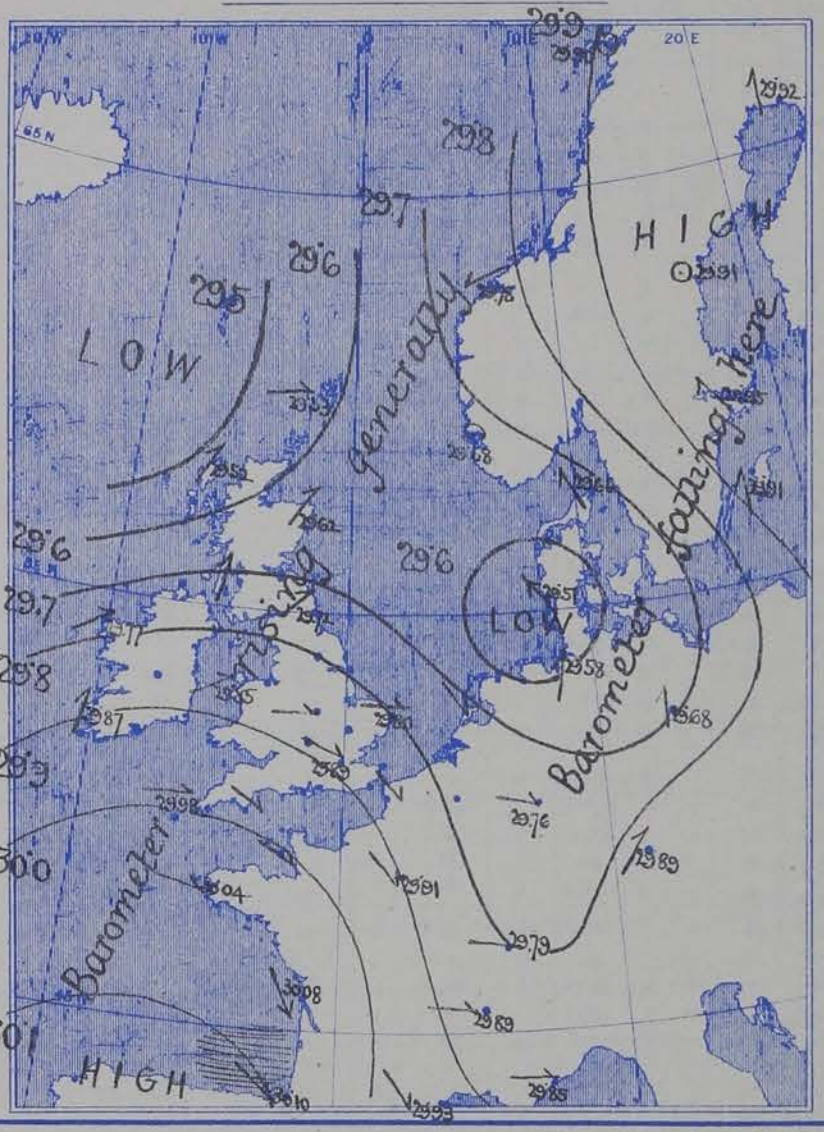
BAROMETER, WIND AND SEA.

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* ▬

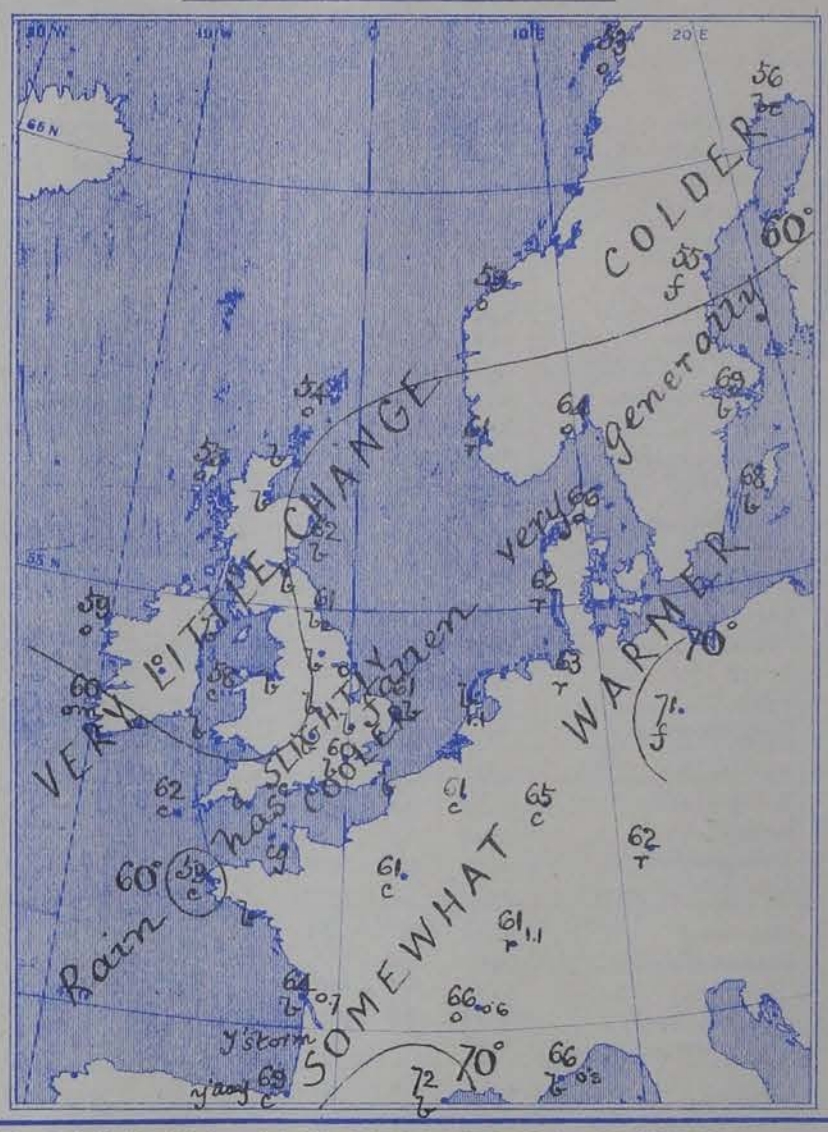


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 to 30.0 ins. over Spain, the Bay of Biscay and the W. of France, and exceeding 29.9 ins. over Sweden and the Gulf of Bothnia.
Lowest Below 29.5 ins. off our extreme NW^m. coasts, and below 29.6 ins. in a secondary system lying over the SE^n. parts of the North Sea.
Gradients moderate, but very variable.
Barometer rising – most over our southeastern districts.

TEMPERATURE

Highest (1) 72° at Perpignan, 66° at Nice and Lyons; (2) 71° at Berlin, 69° at Stockholm, 66° at the Skaw, 60° over central England.
Lowest 54° at Sumburgh Hd., 58° at Holyhead.

WIND

S^ly. and SW^ly. over Ireland and Scotland, and W^ly. over England, NW^ly. over Belgium; S^ly. to SE^ly. however, over Holstein and Denmark, E^ly. over Norway. In force it was moderate to light.
It had been very variable over the SE. of England during the preceding 24 hours.

WEATHER

Raining over the E^n. shores of the North Sea, fine over England, but not settled, cloudy and dull over Ireland.
Rain had fallen very generally – heavily over the Netherlands and several parts of France. Thunder and lightning had occurred at Biarritz. Bright sunshine yesterday was considerable at our SW^n. stations and at Sumburgh Hd., but slight over the SE. of England.

SEA

moderate on our SW^n. and extreme W^n. coasts, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine weather is probable over England today – but showers in the W. and N.

FORECASTS

For the 24 hours ending at NOON on 17TH AUGUST 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^ly. winds, freshening, rain at times.
1	SCOTLAND EAST	SW^ly. breezes, light, fair as a whole
2	ENGLAND N.E.	
3	ENGLAND EAST	SW^ly. breezes, light, fine.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos. 1 and 2.
9	IRELAND NORTH	S^ly. and SW^ly. breezes, freshening; showery.
10	IRELAND SOUTH	
	WARNINGS	None issued

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.86	65	61	S	7	c	5
Sumburgh Head							
Stornoway	29.52	62	56	S	5	cp	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.58	61	58	WNW	5	6c	3
Belmullet	29.65	62	57	WSW	1	6	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.73	62	61	S	3	or	3
Hurst Castle ...							
Dungeness ...	29.78	61	60	NE	2	p	1
North Foreland	29.80	63	60	NNE	2	r	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.84	70	65	S	3	o	*

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

Continental information not received

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 8TH TO 14TH AUGUST 1897.

The weather of this period was very changeable especially in the more W^m and N^m parts of the Kingdom where rain was frequent and at times heavy.

In the course of the week three well marked depressions have appeared in our neighbourhood

The first advanced over our W^m and SW^m districts on the night of the 7th and afterwards moved E^ards across England, its progress being attended by considerable falls of rain in the centres and southern parts of the Kingdom, with thunderstorms in many places.

The second appeared off our SW. coasts early on the 10th and afterwards moved slowly in a NE^ly direction across our islands to the North Sea and the S. of Scandinavia. During its passage heavy rain was experienced in many of the W^m and N^m districts, the fall at Aberdeen on the 11th amounting to an inch. Thunderstorms occurred on the same day in the S. of Scotland and the N. and E. of England.

The third advanced to the W. of Ireland on the 12th and afterwards slowly N^wds along our exterme W^m coasts. Owing, however, to the appearance of a secondary system off the SW. of England on the 13th, the rainfall was general, and in some of the W^m and N^m districts heavy, strong winds or gales from the S^wd being experienced in the W^m parts of Gt. Britain. At the close of the week there were signs of the advance of further depressions towards our W^m coasts.

Temperature was as a rule slightly above the average the highest readings being recorded on the 9th or 10th when the thermometer in many parts of England rose slightly above 75°.

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, 17th AUGUST, 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 ...	29.88	55	SSE	2	b	29.71	−.21	60	57	+ 4	SW	2	bc	*	b	*	61	50	—
	Hernösand ...	29.76	62	S	6	o	29.38	−.53	60	57	+ 5	SSE	6	o	*	o	*	72	50	0.67
	Stockholm ...	29.63	66	SE	6	r	29.70	−.25	63	58	− 6	SW	6	c	*	r	*	73	59	0.87
	Wisby	29.66	64	SSE	9	b	29.86	−.05	61	57	− 7	WNW	8	b	*	br	*	82	55	0.55
	Karlstad ...	29.49	62	SSW	8	o	29.68	−.15	61	55	− 1	WSW	6	b	*	or	*	*	*	0.75
	Bodö	29.74	53	NE	2	b	29.43	−.47	62	55	+ 9	E	5	o	1	b	*	?	?	—
	Christiansund ...	29.33	63	ENE	2	r	29.40	−.38	57	53	− 2	W	8	bc	4	r	*	66	52	0.83
	Skudesnaes ...	29.58	59	NW	6	o	29.61	−.07	58	56	− 3	SW	6	r	4	r,o	*	61	55	*
	Færder (Christiania Fjord)	29.43	64	W	8	b	29.65	−.06	62	58	− 2	WSW	6	c	4	b	*	66	61	0.91
	Skagen (The Scaw)	29.64	61	WNW	6	bc	29.77	+.11	60	58	− 6	WSW	4	o	2	r,bc	*	66	55	0.98
	Fanö	29.82	61	W	6	c	29.82	+.31	64	62	+ 2	SW	6	c	*	c	*	66	59	0.24
	Sumburgh Head	29.50	57	W	2	b	29.26	−.27	55	54	+ 1	S	3	o	4	b	*	62	51	—
	Stornoway ...	29.30	59	WSW	5	o	29.12	−.40	57	56	+ 2	SSW	4	o	5	p,o	7.6	61	52	0.35
	Wick	29.56	58	WNW	3	c	29.23	−.37	59	58	+ 1	S	4	bcw	3	c,r	*	68	53	0.18
	Nairn	29.57	60	WSW	3	c	29.20	−.39	62	60	+ 2	WSW	2	c	1	c	*	68	52	0.08
	Aberdeen ...	29.61	63	SW	3	bc	29.30	−.32	59	57	− 3	S	4	dpdg	4	bc,r	12.4	70	53	0.12
British Islands.	Leith	29.66	61	W	3	r	29.33	−.36	63	58	+ 3	W	1	c	*	r	*	67	54	0.07
	Shields	29.75	62	SW	4	o	29.45	−.27	60	58	− 1	SW	3	c	2	bc,o,r	*	69	54	0.13
	Spurn Head ...	29.83	63	WSW	4	c	29.63	−.16	65	64	+ 4	SSW	6	c	5	c	*	68	58	—
	York	29.83	61	SW	2	o	29.59	−.20	62	59	+ 2	S	3	bc	*	b,o	10.5	70	56	0.01
	Loughborough ...	29.89	65	W	3	c	29.69	−.17	61	59	+ 1	SW	4	odpq	*	bc,c,oq	*	71	58	—
	Ardrossan ...	29.66	57	SSW	3	dp	29.30	−.39	58	58	+ 1	S	7	dpm	5	c,dp	*	61	54	0.15
	Malin Head ...	29.56	56	S	5	rm	29.20	−.49	58	57	− 1	S	6	cm	2	c,rm	*	61	54	0.27
	Belmullet ...	29.56	59	SW	3	or	29.34	−.43	60	57	+ 1	WSW	4	o	*	or	*	60	56	0.42
	Donaghadee ...	29.71	59	SW	3	o	29.38	−.40	59	57	0	SW	6	c	3	o	*	69	55	0.23
	Liverpool (Bidston)	29.83	60	WSW	3	o	29.58	−.24	64	57	+ 5	SSW	3	c	3	o,p	*	64	56	0.01
	Holyhead ...	29.80	59	SSW	4	dmg	29.55	−.30	60	58	+ 2	SW	7	cq	5	c,dgm	*	62	56	0.18
	Parsonstown ...	29.70	57	SW	0	r	29.50	−.35	61	56	+ 3	SW	4	bcq	*	c,or	1.2	62	51	0.22
	Valencia ...	29.65	60	S	5	og	29.58	−.29	60	57	0	SW	6	op	6	r,og	0.3	62	56	0.40
	Roche's Point ...	29.75	61	SW	5	c	29.65	−.26	61	58	+ 1	W	5	c	4	p,c,rm	*	62	58	0.25
	Pembroke (St. Ann's Hd.)	29.89	61	WSW	5	r	29.67	−.27	62	60	+ 2	WSW	6	c	5	c,r	5.7	62	58	0.17
	Scilly	29.93	64	SSW	4	o	29.77	−.21	65	62	+ 3	SSW	5	c	4	c,o	8.5	69	59	0.04
	Prawle Point ...	29.99	60	SW	4	c	29.81	−.18	60	60	− 2	SW	6	or	5	c,cw	*	65	57	0.07
	Jersey (St. Anbin's)	30.07	66	NW	3	b	29.95	−.06	65	62	+ 2	SW	5	cg	4	bc,b	*	67	59	—
	Hurst Castle ...	29.99	64	SW	5	c	29.85	−.07	65	62	+ 5	SW	6	o	3	c	*	71	60	—
	Dungeness ...	29.96	63	WSW	5	bc	29.89	+.01	63	61	− 1	SSW	6	c	5	bc	*	69	60	—
	North Foreland	29.97	67	SSW	3	bc	29.90	+.03	65	60	+ 3	S	4	bc	3	bc	*	71	56	—
	London (Brixton) ...	29.95	67	W	3	o	29.82	−.05	64	59	+ 4	SW	3	c	*	bp,o	8.0	74	56	—
	Oxford	29.99	61	S	2	o	29.76	−.14	62	59	+ 2	S	5	oq	*	bc,o	*	68	56	—
	Cambridge ...	29.92	66	SW	1	o	29.78	−.09	63	59	+ 3	SSW	4	o	*	bc,o	9.7	72	56	—
	Yarmouth ...	29.89	68	WSW	3	bc	29.78	−.02	65	58	+ 4	SSW	5	bcq	4	b,bc	*	70	57	—
Germany & Holland.	Cuxhaven ...	29.86	65	WNW	4	bc	29.93	+.35	59	56	− 4	SSW	4	c	*	r,bc	*	66	54	0.12
	Berlin	29.92	66	NW	4	bc	30.08	+.40	62	58	− 9	W	2	b	*	b,bc	*	77	55	—
	Wiesbaden ...	*	*	*	*	*	30.13	+.37	59	56	− 6	NW	0	b	*	*	*	72	52	—
	Munich	30.11	61	W	3	r	30.23	+.34	61	59	− 1	NW	2	o	*	r	*	68	57	1.62
	The Helder ...																*			
France & Belgium.	Brussels ...	*	*	*	*	*	30.01	+.15	65	59	+ 4	SSW	4	b	*	b	*	71	53	—
	Cape Gris Nez ...	29.97	62	W	5	bc	29.91	+.06	61	60	+ 2	SW	5	bc	5	bc	*	64	59	—
	Paris	30.08	67	SW	1	b	30.07	+.16	60	58	− 1	SSE	1	b	*	b	*	73	54	—
	Brest	30.08	64	SW	2	b	29.94	−.10	63	61	+ 4	SSW	3	o	2	b	*	66	55	—
	Lorient	30.11	67	W	3	b	29.99	−.05	65	63	+ 4	W	4	o	3	b	*	70	55	—
	Rochefort ...	30.20	68	NW	3	b	30.12	+.04	63	61	− 1	SW	2	c	*	b	*	73	61	—
	Belfort	30.02	63	W	3	bc	30.12	+.33	59	57	− 2	N	0	m	*	bc	*	69	50	0.16
	Lyons	30.14	66	NNW	2	b	30.14	+.25	62	56	− 4	E	1	b	*	b	*	71	53	—
	Nice	29.88	71	N	0	b	30.01	+.16	69	66	+ 3	E	1	b	0	b	*	82	64	—
	Perpignan ...	30.08	78	NW	3	b	30.10	+.17	67	63	− 5	W	2	b	*	b	*	82	57	—
	Biarritz ...	30.07	72	N	3	b	30.04	−.06	66	63	− 3	E	3	b	2	b	*	81	59	—
Peninsula.	Corunna ...																*			
	Lisbon	30.13	71	NNW	4	b	30.12	−.04	69	64	− 2	NNE	3	b	*	b	*	84	64	—
	Azores (P. Delgada)	30.26	71	W	2	b	30.22	−.01	73	71	+ 1	W	3	c	2	b	*	77	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.*

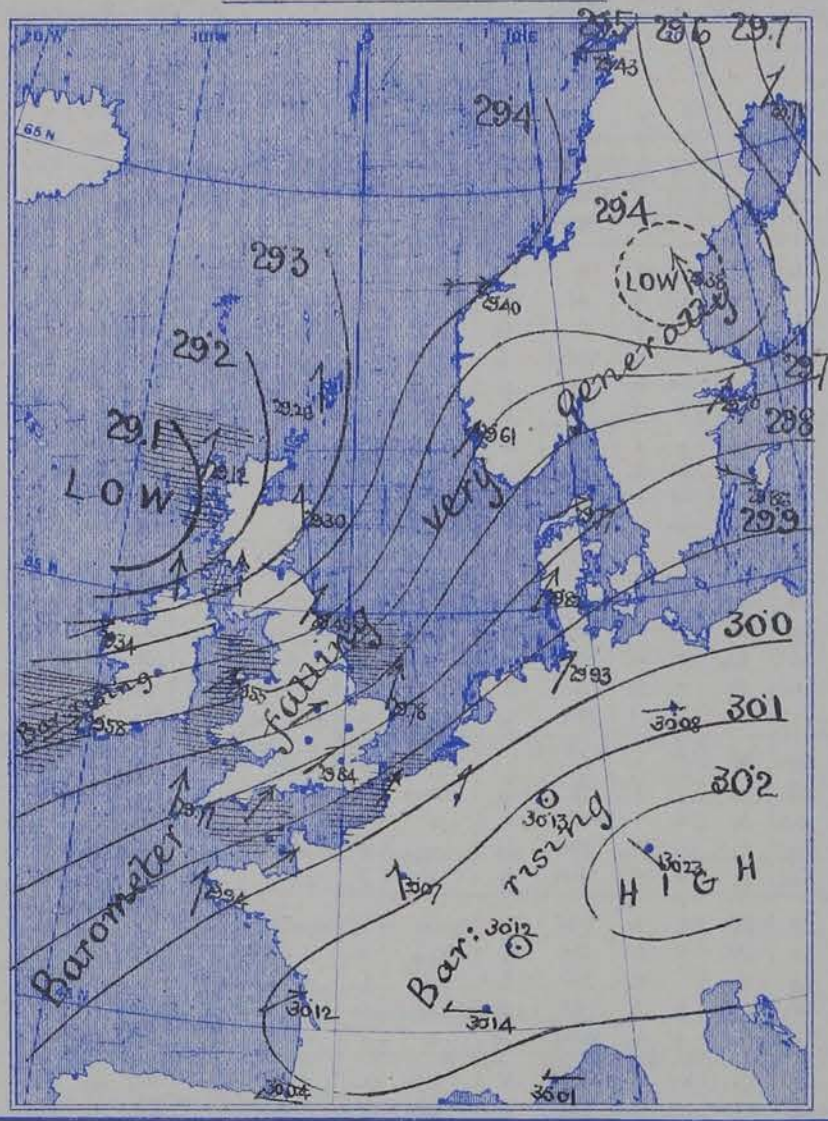
Bright Sunshine yesterday Southport 9.3 hrs;

WEATHER CHARTS

FOR Tuesday, 17th August, 1897.

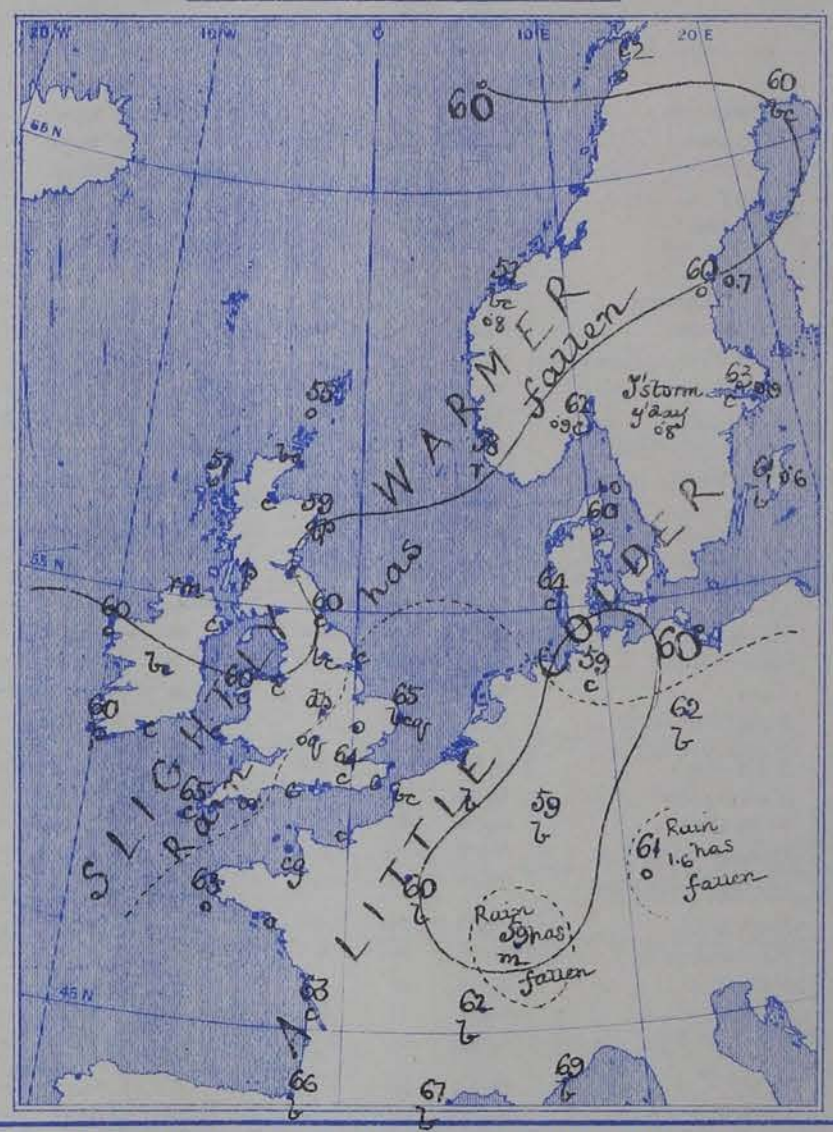
BAROMETER, WIND AND SEA.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 over S. Germany, and exceeding 29.9 ins. over the whole of central, S^rn and SW^rn Europe.
Lowest below 29.1 ins. in a depression lying off our extreme NW^rn coasts, and below 29.4 ins. in a small secondary over Sweden.
Gradients somewhat steep over the United Kingdom and the North Sea.
Barometer inclined to rise in the S. of Ireland, but falling elsewhere – most in the north.

TEMPERATURE

Highest 69° to 66° in the S. and SW. of France, 64° to 60° over the S^rn parts of Scandinavia, 65° to 60° over the greater part of Ireland and England.
Lowest 55° at Sumburgh Hd., and below 60° over the most N^rn parts of Scotland and Ireland; 59° at Wiesbaden and Belfort.
The highest of the maxima recorded over England yesterday ranged between 74° and 70°, on the Continent they ranged from 70° to 82° over France, and touched 82° at Wisley.

WIND

(1) SW^ly to S^ly; moderate to strong over our Islands. (2) SW^ly to W^ly strong to a gale over Denmark and the south of Sweden; W^ly a gale at Christiansund, and E^ly fresh at Bodö (3) Light and anticyclonic over France and Germany.

WEATHER

Changeable and rather squally over our Islands generally, with rain at many of the northern and western stations, and a showery appearance in the S.E. of England; fine and bright over France.
Heavy rains have fallen over Scandinavia and the E^rn shores of the North Sea, and also at Munich. Bright Sunshine during yesterday was considerable over England, and very great over Scotland.

SEA

Moderate to rather rough on our coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Changeable gusty weather is probable generally, with rain at times.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly and SW^ly winds, strong; squally, showery.	6 SCOTLAND WEST	
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	SW^ly winds, fresh or strong; squally, rain at times.	8 ENGLAND S.W.	Same as Nos. 0 and 1.
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	SW^ly and S^ly winds strong; squally, rain at times.	WARNINGS	At 7.20 pm yesterday to districts 0, 1 and 6 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.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.52	57	57	NW	4	r	2	Valencia	29.79	57	56	S	4	r	4
Sumburgh Head	29.52	61	56	W	2	b	3	Scilly	30.00	67	61	SSW	4	cp	3
Stornoway	29.52	61	55	W	5	o	5	Jersey	30.07	66	59	W	4	be	3
Aberdeen	29.61	67	58	W	3	be	2	Hurst Castle ...	30.00	68	63	SW	5	c	3
Shields	29.75	67	57	SW	4	be	2	Dungeness ...	29.94	68	63	WSW	5	be	4
Ardrossan	29.71	59	59	SSW	3	c	3	North Foreland	29.95	70	62	W	3	be	2
Malin Head ...	29.68	58	54	W	5	c	3	London (Westminster)	29.93	72	70	W	3	c	*
Belmullet	29.71	58	57	SW	3	or	*	Yarmouth ...	29.87	69	60	W	3	b	2
Holyhead	29.88	61	57	SW	4	c	3	Rochefort ...	30.17	72	68	NW	3	b	*

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

Weather in morning fine and bright over Gt. Britain, the W. and SW. of France and the Spanish peninsula, as well as over SE^rn Europe, Finland and the Gulf of Bothnia; dull and unsettled, with rain (1) over the W. of Ireland, (2) over the E^rn shores of the North Sea, and many parts of the N. of Italy and S. Germany. Rain falling later over all the N^rn and W^rn parts of the British Isles, and heavy falls reported at several of the German and Scandinavian stations. Thunder reported at Wisby; fine weather continuing over France and Spain.

Temperature in morning highest 82° at Algiers, 81° at Barcelona, and exceeding 70° at most of the stations over S^rn Europe; 71° at Berlin, 69° at Nenfahrwasser and Stockholm. Lowest 42° at Archangel, 53° at Bodö, 54° at Sumburgh Hd., 55° at Stornoway, and 57° at Ardrossan. Rising latter to between 70° and 74° over many parts of Gt. Britain, and touching 73° at Paris, 77° at Berlin, 82° at Nice, and also at Wisby.

Wind (1) chiefly NW. ½ over southwestern Europe, but SE. ½ over Russia, E. ½ over Scandinavia; (2) W. to S. ½ over the United Kingdom, and of little force; (3) light and very variable (but cyclonic) over the Netherlands, W^rn Germany, Austria, the N. of Italy and the SE. of France, becoming more S. ½ over the west of our Islands later, and increasing greatly in force.

Barometer (1) 30.1 ins. and more over Spain, and exceeding 30.0 ins. over all the W^rn parts of France (2) exceeding 30.0 ins. over Turkey and nearly the whole of Russia. Lowest below 29.5 ins. off the extreme NW. of our Islands, and below 29.6 ins. in a shallow depression lying over Denmark and the E^rn side of the North Sea. Falling very decidedly over Ireland later, and the fall spreading E^wds and N^wds.

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 Wednesday 18th August, 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.)	FAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.47	58	SSW	4	c	29.45	− .16	58	56	− 2	S	6	o	*	c	*	70	48	0.20
	Hernösand ...	29.59	61	SW	4	bc	29.45	+ .07	62	58	+ 2	S	6	bc	*	bc	*	72	57	—
	Stockholm ...	29.81	62	SSW	2	o	29.68	— .02	66	61	+ 3	SW	6	c	*	o	*	70	55	0.08
	Wisby	29.90	63	WSW	6	b	29.81	— .05	66	62	+ 5	SSW	4	o	*	b	*	68	55	—
	Karlstad ...	29.68	61	S	8	o	29.57	— .11	63	60	+ 2	S	8	o	*	or	*	*	*	0.20
	Bodö	29.34	54	WSW	4	c	29.28	− .15	57	51	− 5	ENE	5	b	1	c	*	62	50	0.75
	Christiansund ...	29.31	60	NE	2	o	29.19	— .21	58	54	+ 1	SSW	1	r	1	o	*	66	54	0.04
	Skudesnaes ...	29.40	62	SSW	9	r	29.45	— .16	59	57	+ 1	SW	8	c	6	tlr	*	63	55	*
	Færder (Christiania Fjord)	29.52	62	SW	8	r	29.50	— .15	64	60	+ 2	SW	8	o	5	r	*	64	59	0.51
	Skagen (The Scaw)	29.69	60	SW	6	r	29.60	— .17	62	60	+ 2	SW	3	m	1	r	*	66	57	0.08
	Fanö	29.74	65	WSW	7	c	29.65	— .17	64	60	0	WSW	6	c	*	c	*	68	63	—
BRITISH ISLANDS.	Sumburgh Head	29.11	58	SW	3	c	29.27	+ .01	51	50	− 4	WNW	2	c	4	bc.c	*	61	48	0.33
	Stornoway ...	29.20	57	NW	5	o	29.45	+ .33	56	54	— 1	WNW	4	c	5	p.o	4.9	61	52	0.15
	Wick	29.17	54	NW	1	r	29.45	+ .22	57	56	− 2	NW	4	c	2	p	*	69	49	0.12
	Nairn	29.21	58	WSW	5	c	29.48	+ .28	55	50	− 7	WSW	1	bc	1	c	*	68	47	0.03
	Aberdeen ...	29.26	62	SW	4	bcq	29.51	+ .21	60	52	+ 1	WSW	3	bc	2	bcq	6.2	67	49	0.01
	Leith	29.38	62	SW	4	c	29.55	+ .22	57	54	− 6	W	2	b	*	c	*	68	52	—
	Shields	29.45	64	SW	4	c	29.57	+ .12	60	56	0	SW	1	cw	2	c.p	*	70	53	—
	Spurn Head ...	29.61	67	WSW	5	c	29.63	.00	63	61	− 2	WSW	3	b	3	c	*	73	56	—
	York	29.56	70	SW	4	b	29.62	+ .03	59	57	— 3	S	1	o	*	b	10.2	73	54	0.04
	Loughborough ...	29.67	67	WSW	6	c	29.67	— .02	60	57	— 1	SW	1	cw	*	c.bc.c.b	*	74	54	—
	Ardrossan ...	29.42	59	SW	3	cp	29.57	+ .27	59	58	+ 1	WSW	2	c	2	cp	*	59	54	0.04
	Malin Head ...	29.43	59	W	6	cp	29.61	+ .36	55	51	− 3	WNW	4	bcp	2	cp	*	60	51	0.28
	Belmullet ...	29.58	60	W	3	bc	29.75	+ .41	58	54	− 2	WNW	1	c	*	bcp.bc	*	62	54	0.07
	Donaghadee ...	29.51	61	WSW	5	cpq	29.62	+ .24	60	57	+ 1	W	4	bc	2	c	*	69	49	0.08
	Liverpool (Bidston)	29.60	62	SSW	6	o	29.63	+ .05	54	54	— 10	W	1	r	?	o.p	*	68	54	0.37
	Holyhead ...	29.61	60	SW	6	cpm	29.65	+ .10	58	57	− 2	NW	3	bc	2	cq.pm	*	63	54	0.45
	Parsonstown ...	29.59	61	SW	1	c	29.69	+ .19	57	54	— 4	L	0	bc	*	c.p	7.0	64	51	0.06
	Valencia ...	29.65	61	SW	3	cp	29.75	+ .17	58	54	− 2	WNW	2	cp	4	cp	5.6	63	53	0.28
	Roche's Point ...	29.67	63	WSW	4	b	29.72	+ .07	58	55	− 3	NNW	3	bc	3	p.b	*	65	54	0.06
	Pembroke (St. Ann's Hd.)	29.72	62	W	5	c	29.69	+ .02	59	57	− 3	WNW	3	b	3	c.r	7.7	64	56	0.70
	Scilly	29.79	64	WSW	3	c	29.71	— .06	60	58	— 5	W	4	c	3	cp	9.5	70	56	0.43
	Prawle Point ...	29.80	61	SW	4	o	29.73	— .08	60	58	0	SW	3	bc	3	c.rq	*	64	57	0.40
	Jersey (St. Aubin's)	29.89	66	SW	5	cp	29.82	— .13	64	62	— 1	SW	5	bcm	4	c.cp.rl	*	72	59	0.96
	Hurst Castle ...	29.82	64	SW	6	cm	29.74	— .11	63	62	— 2	SW	5	cp	3	p.cm	*	66	61	0.04
	Dungeness ...	29.82	63	SSW	6	cq	29.72	— .17	62	61	— 1	SW	5	c	4	cq	*	68	59	0.52
	North Foreland	29.83	64	S	6	cq	29.73	— .17	62	61	— 3	SW	3	bc	2	c.bq.r	*	70	58	0.48
	London (Brixton) ...	29.76	66	SW	3	c	29.73	— .11	64	59	0	SW	3	bc	*	cp.b	3.4	70	55	—
	Oxford	29.75	63	SW	3	p	29.69	— .07	61	58	— 1	SSW	3	c	*	cp	*	72	56	0.05
	Cambridge ...	29.71	67	SSW	3	o	29.69	— .09	62	59	— 1	SW	3	bc	*	c.cp	7.6	75	54	0.02
	Yarmouth ...	29.71	69	SSW	5	bcq	29.68	— .10	63	60	— 2	WSW	4	bc	3	bcq	*	72	59	—
GERMANY & HOLLAND.	Cuxhaven ...	29.85	72	SW	5	c	29.71	— .16	61	59	+ 2	SSW	4	c	*	c	*	72	57	—
	Berlin	30.00	68	SE	2	b	29.92	— .16	63	59	+ 1	SW	3	b	*	b	*	77	55	—
	Wiesbaden ...	*	*	*	*	*	29.96	— .17	58	57	— 1	SW	1	b	*	*	*	75	55	—
	Munich	30.13	63	E	2	b	30.08	— .15	65	62	+ 4	SE	3	b	*	b	*	72	55	—
	The Helder ...	29.79	66	SW	6	c	29.73		61	60		SW	1	r	1	c	*	68	61	0.67
FRANCE & BELGIUM.	Brussels ...	*	*	*	*	*	29.80	— .21	65	60	0	S	4	o	*	b	*	74	60	—
	Cape Gris Nez ...	29.85	64	SW	6	r	29.72	— .19	60	60	— 1	W	5	r	5	r	*	68	57	0.63
	Paris	29.99	68	SW	3	bc	29.88	— .19	65	61	+ 5	SSW	3	o	*	bc	*	75	59	—
	Brest	29.82	61	WNW	2	f	29.81	— .13	61	59	— 2	WSW	3	c	0	f	*	63	57	0.20
	Lorient	29.95	66	SW	4	o	29.86	— .13	64	62	— 1	WSW	4	c	5	o	*	70	50	0.24
	Rochefort ...	30.07	71	SW	3	b	29.95	— .17	65	63	+ 2	WSW	4	c	*	b	*	75	61	—
	Belfort	30.00	70	W	2	b	29.96	— .16	63	60	+ 4	L	0	m	*	b	*	76	51	—
	Lyons	30.03	75	ESE	1	b	29.98	— .16	68	62	+ 6	E	1	b	*	b	*	77	58	—
	Nice	30.05	74	SW	1	b	30.03	+ .02	74	64	+ 5	L	0	b	0	b	*	81	68	—
	Perpignan ...	30.05	74	NE	2	b	29.98	— .12	68	68	+ 1	W	2	o	*	b	*	82	64	—
	Biarritz ...	30.00	74	NNE	3	b	29.99	— .05	70	68	+ 4	NW	2	o	2	b	*	79	66	—
PENINSULA.	Corunna ...																*			
	Lisbon	30.12	67	NNE	4	o	30.11	— .01	70	64	+ 1	N	4	b	*	o	*	84	64	—
	Azores (P. Delgada)	30.33	67	NE	4	bc	30.39	+ .17	68	61	— 5	ENE	4	b	3	bc	*	77	64	—

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

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

Bright Sunshine yesterday Southport 2.5 hrs;

WEATHER CHARTS

FOR Wednesday, 18th August, 1897.

BAROMETER, WIND AND SEA.

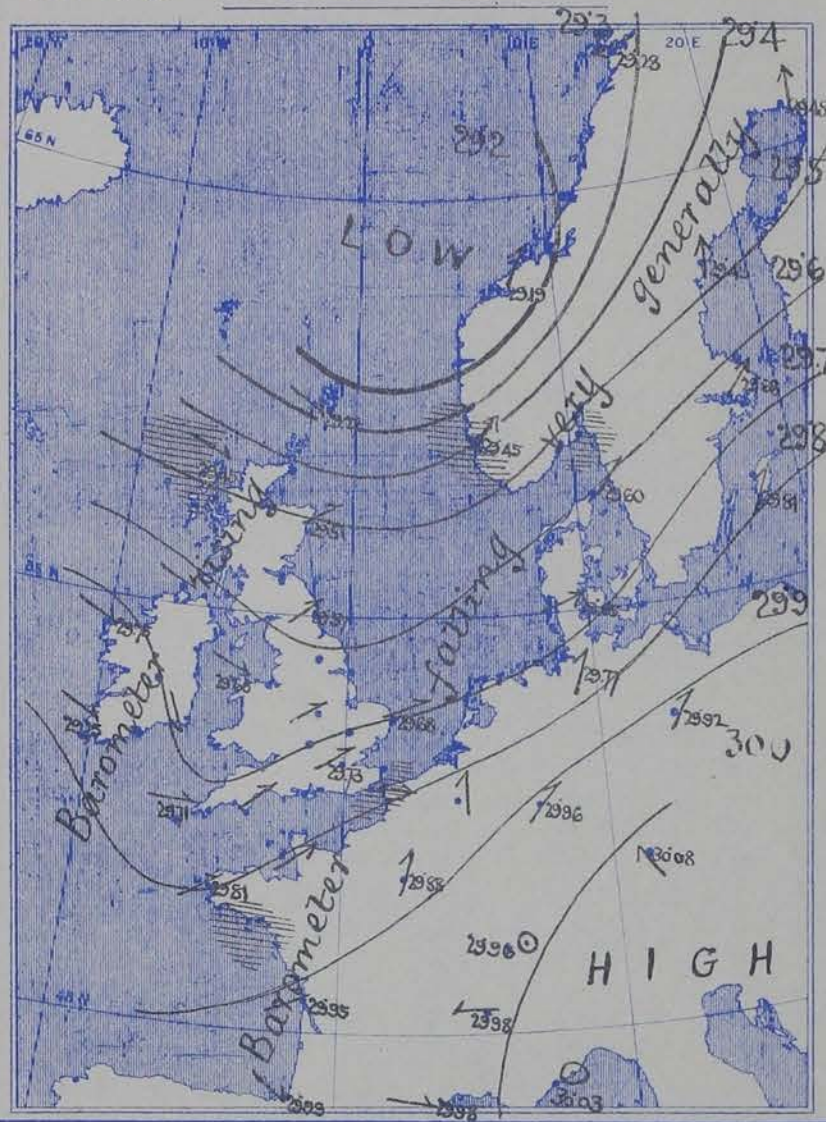
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

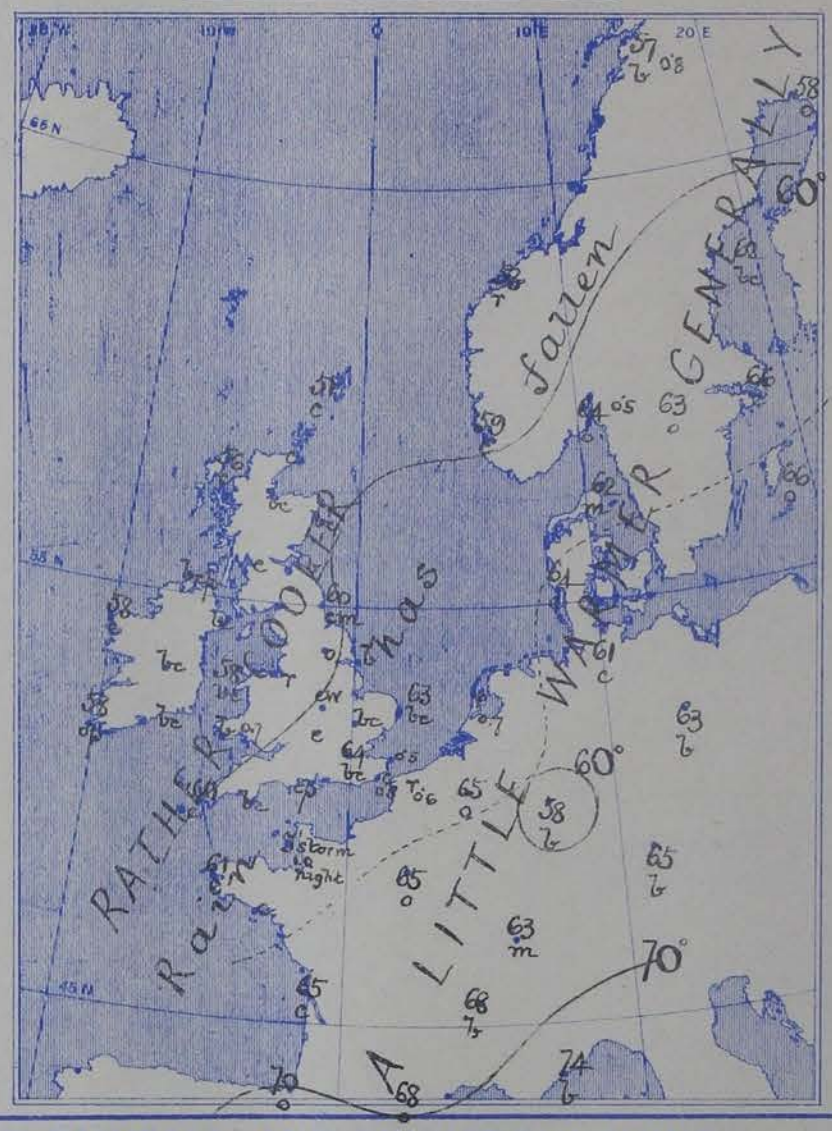


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 more to 29.8 ins. over France and Germany.
Lowest 29.2 ins. and less in the extreme W. of Norway and below 29.7 ins. in a Vishape secondary over Wales.
Gradients moderate – for SW. winds over the E^rn parts of our area, and for NW. winds over Ireland. Barometer falling over England rising over Scotland and Ireland.

TEMPERATURE

Highest 74° at Nice, 70° at Biarritz, 66° at Stockholm, 65° at Paris, 64° in London.
Lowest 51° at Sumburgh Hd., 54° at Liverpool, 57° at Parsonstown.
The highest of the maxima recorded over England yesterday ranged from 70° to 75°.

WIND

SW. over all the E^rn parts of our area, and were strong to a gale in force over Denmark and Scandinavia. In Ireland it had veered to NW. and had fallen light.
It blew very strongly on many parts of our W^rn and N^rn coasts yesterday – a gale at Holyhead.

WEATHER

Changeable, with passing showers, over England and Wales, fine over Ireland, dull over France. Rain fell yesterday over almost all our own districts – heavily in the SW.; lightning occurred at Jersey all night. Bright Sunshine recorded yesterday was from 5 to 10 hrs. at several W^rn stations, 3.4 hrs. in London, 7.6 hrs. at Cambridge.

SEA

Rough in the far N., moderate in the English Channel, slight in the St. George's Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of changeable weather (passing showers separated by considerable intervals of bright weather) is still probable; a very cool night over England.

FORECASTS

For the 24 hours ending at NOON on 19TH AUGUST 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. breezes, light, fair, then SW. again and showery.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SW. to NW. breezes, rather changeable, slight local showers, then fine.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Wind backing to SW. or S. again, with a renewal of showery weather.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 10.20 am today to districts 0, 1 and 6 to 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 ...	29.48	63	61	S	9	o	5
Sumburgh Head	29.14	59	57	SW	2	be	4
Stornoway	29.09	60	58	SSE	4	o	5
Aberdeen	29.23	64	58	SW	6	bcqr	4
Shields	29.42	68	61	SW	6	c	2
Ardrossan	29.33	59	59	SW	3	cp	4
Malin Head ...	29.35	60	56	W	6	cp	3
Belmullet	29.53	61	58	W	3	bcp	*
Holyhead	29.58	63	60	SW	8	cq	6
Valencia	29.65	60	58	WSW	5	p	5
Scilly	29.80	66	64	SW	3	cp	3
Jersey	29.93	71	65	SW	4	c	3
Hurst Castle ...	29.83	65	64	SW	5	c	3
Dungeness ..	29.86	65	63	SSW	6	o	6
North Foreland	29.86	68	63	S	6	c	5
London (Westminster)	29.78	68	64	SW	4	op	*
Yarmouth ...	29.73	70	63	SSW	5	bcq	4
Rochefort ...	30.11	74	72	S	3	b	*

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

Weather in morning very fine and bright over S.W.ⁿ, S.ⁿ, central and E.ⁿ Europe, including the E.ⁿ half of England; cloudy, squally and showery over Ireland, Scotland and the W. of Norway, as well as on the E.ⁿ shores of the Baltic. Rain falling later over Scandinavia, nearly the whole of the British Islands, the Netherlands and the N.ʳⁿ parts of France – the fall being heavy in several localities, and accompanied by thunderstorms at Skudesnaes and at Jersey. Remaining very fine over Germany and the S.ᵗʰ half of France.

Temperature slightly higher over our Islands than on Monday. Morning readings highest, 82° at Barcelona, 80° at La Calle, 78° at Athens, and exceeding 70° at most of the Mediterranean and Adriatic stations; 69° at Lemberg, 64° at Hangö, and exceeding 60° over the greater part of Ireland and England. Lowest (1) 50° at Archangel, 58° at Kharkov, 59° at St. Petersburg; (2) 55° at Spurnhead Ht. and 57° to 59° on our extreme N.W. coasts generally. Rising later to between 70° and 75° over England, 75° at Paris, 77° at Berlin and Lyons, and to more than 80° on the S. coast of France.

Wind (1) Light and anticyclonic over all but the N.W.ⁿ countries; (2) S.W.ʸ to S.ʸ strong and cyclonic over the British Islands (3) W.ʸ to S.W.ʸ strong to a gale over the southern parts of Scandinavia, S.ʸ over Finland, E.ʸ at Bodö. Becoming more W.ʸ over our Islands later, and N.W.ʸ in the Hebrides, and blowing a gale from S.W. over the Irish Sea.

Barometer highest 30.2 and more at the Azores, and 30.1 ins. and more to 30.0 ins. over Spain, France and Germany, as well as over the greater part of Russia. Lowest 29.1 ins. and less in a depression off our extreme N.W. coasts, and rather below 29.4 ins. in a secondary system over central Sweden. The N.W.ⁿ depression moving N.ᵉ by N.ʳᵈˢ later, and the barometer beginning to rise again over Ireland.

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 August 19th 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 ...	29.34	58	S	2	o	29.32	−.13	55	55	−3	W	6	†	*	o	*	61	52	0.04
	Hernösand ...	29.40	61	SSW	7	b	29.56	+.11	60	52	−2	W	4	b	*	b	*	68	55	0.16
	Stockholm ...	29.67	61	S	0	†	29.67	−.01	63	59	−3	WSW	4	b	*	†	*	72	59	0.12
	Wisby	29.73	65	SSW	8	c	29.78	−.03	63	59	−3	WSW	4	b	*	c	*	72	55	—
	Karlstad ...	29.60	61	SW	6	b	29.69	+.12	60	54	−3	WSW	4	b	*	b	*	*	*	—
	Bodö	29.23	58	S	0	o	29.41	+.13	51	49	−6	SW	5	c	3	o	*	61	48	0.12
	Christiansund ...	29.38	54	NE	1	†	29.49	+.30	57	51	−1	S	4	b	3	†	*	63	50	2.36
	Skudesnaes ...	29.62	58	WSW	4	c	29.67	+.22	58	55	−1	WSW	4	c	3	c	*	61	54	*
	Færder (Christiania Fjord)	29.58	63	SW	6	b	29.66	+.16	59	54	−5	WSW	2	bc	3	b	*	64	59	—
	Skagen (The Scaw)	29.66	59	WSW	1	b	29.70	+.10	59	58	−3	SSW	2	c	o	b	*	68	54	0.08
	Fanö	29.71	60	WSW	4	c	29.65	0.0	62	60	−2	SSW	4	cfq	*	cfq	*	64	59	0.55
	Sumburgh Head	29.47	53	W	2	c	29.49	+.22	54	52	+1	W	4	c	4	c	*	57	50	0.02
	Stornoway ...	29.54	56	WNW	4	o	29.52	+.07	54	53	−2	W	3	bc	3	c.o	9.8	61	47	0.06
	Wick	29.59	55	NW	4	c	29.57	+.12	56	54	−1	NW	3	bc	1	c	*	62	47	0.01
	Nairn	29.59	58	WSW	3	bc	29.59	+.11	56	53	+1	W	1	b	1	bc	*	64	41	—
	Aberdeen ...	29.61	57	SW	2	c	29.61	+.10	59	53	−1	SW	2	bro	1	bc.fq.c	8.3	66	45	—
	Leith	29.61	62	W	2	b	29.66	+.11	57	55	o	W	2	bc	*	b	*	68	49	—
	Shields	29.63	58	ENE	1	c	29.67	+.10	57	54	−3	SW	3	b	2	cu.fq.c	*	67	49	—
	Spurn Head ...	29.66	59	SE	2	c	29.72	+.09	58	57	−5	WNW	3	b	3	c.bl+	*	67	55	0.34
	York	29.65	64	NNW	1	c	29.71	+.09	58	54	−1	W	2	b	*	c	5.1	68	48	0.18
	Loughborough ...	29.69	59	SSE	1	o	29.76	+.09	54	53	−6	W	2	cmw	*	fbl.cm	*	69	52	0.19
British Isles.	Ardrossan ...	29.64	61	W	3	b	29.66	+.09	57	57	−2	SW	3	b	3	c.b	*	65	52	0.03
	Malin Head ...	29.67	58	NW	4	bc	29.67	+.06	56	52	+1	WSW	4	cfq	2	bc	*	60	51	0.10
	Belmullet ...	29.76	59	W	2	bc	29.75	0.0	59	54	+1	WSW	1	o	*	c.bc	*	64	54	—
	Donaghadee ...	29.71	57	SE	4	bcf	29.73	+.11	59	59	−1	W	3	b	1	bcf	*	63	47	0.02
	Liverpool (Bidston)	29.69	59	WSW	2	bc	29.75	+.12	57	53	+3	W	3	bc	2	+.bc	*	61	54	0.11
	Holyhead ...	29.71	58	WSW	2	c	29.76	+.11	59	56	+1	W	4	b	3	bc.c	*	63	52	—
	Parsonstown ...	29.75	57	2	o	bc	29.81	+.12	55	53	−2	W	1	c	*	bcfq.o	4.5	63	46	0.08
	Valencia ...	29.83	60	NW	4	bcv	29.86	+.11	59	53	−1	WSW	4	c	4	bcv	11.0	62	52	0.11
	Roche's Point ...	29.80	61	NNW	4	bc	29.88	+.16	55	54	−1	NW	3	b	3	bcf	*	64	46	0.02
	Pembroke (St. Ann's Hd.)	29.75	60	NW	4	b	29.83	+.18	58	55	−1	NW	3	bc	3	b	11.6	63	56	—
	Scilly	29.77	57	NW	4	†	29.90	+.19	60	55	o	W	4	cfq	3	cfq.†	5.9	64	54	0.13
	Prawle Point ...	29.74	60	WSW	3	c	29.88	+.15	61	56	+1	W	4	b	3	c.bl+	*	64	55	0.07
	Jersey (St. Aubin's)	29.81	62	NW	4	bcf	29.91	+.09	61	56	−3	W	4	bc	3	o.bcf	*	68	55	0.24
	Hurst Castle ...	29.74	65	WSW	4	c	29.83	+.09	60	58	−3	W	4	c	2	bc.c.l	*	68	55	0.01
	Dungeness ...	29.75	65	WSW	4	c	29.76	+.04	61	59	−1	WSW	4	c	3	c.bl+	*	68	54	0.31
	North Foreland	29.74	66	SSW	4	bc	29.74	+.01	59	57	−3	W	4	c	3	c.bc.†	*	69	54	0.19
	London (Brixton) ...	29.71	62	SW	2	cfq	29.79	+.06	57	54	−1	NW	2	bc	*	ptl.clot	8.4	75	53	0.24
	Oxford	29.72	55	SW	2	bc	29.80	+.11	57	54	−4	W	2	c	*	bc.l	*	70	53	—
	Cambridge ...	29.69	61	SW	1	†	29.76	+.07	58	55	−4	WSW	1	o	*	tl+	7.5	72	53	0.23
	Yarmouth ...	29.67	66	W	2	bc	29.68	0.0	59	57	−4	WSW	3	bc	2	bc	*	70	55	0.04
Germany & Holland.	Cuxhaven ...	29.75	61	S	2	bc	29.71	−.06	57	55	−4	S	3	o	*	+.bc	*	61	54	0.55
	Berlin	29.81	73	SW	2	b	29.83	−.09	64	62	+1	W	1	†	*	b	*	81	63	0.08
	Wiesbaden ...	*	*	*	*	*	29.89	−.09	64	63	+6	SW	1	o	*	*	*	79	58	0.20
	Munich	30.01	67	E	1	b	29.98	−.10	64	61	−1	W	4	c	*	b	*	79	59	—
	The Helder ...	29.74	64	SW	3	c	29.64	−.09	58	56	−3	S	1	t	1	c	*	64	57	0.43
Belgium.	Brussels ...	*	*	*	*	*	29.80	0.0	59	55	−6	WSW	4	o	*	o	*	71	59	0.16
	Cape Gris Nez ...	29.77	62	W	4	c	29.74	+.02	58	56	−2	SW	5	bc	5	c	*	64	55	0.59
	Paris	29.86	68	SW	2	bc	29.89	+.01	59	56	−6	SW	3	b	*	bc	*	77	55	—
	Brest	29.84	63	WSW	3	c	29.95	+.14	59	56	−2	WNW	3	c	.?	c	*	66	54	0.04
	Lorient	29.89	64	W	5	c	29.96	+.10	61	58	−3	NW	5	bc	5	c	*	70	45	—
France &	Rochefort ...	30.00	67	WNW	5	o	30.04	+.09	64	61	−1	NW	3	bc	*	c.o	*	73	61	0.08
	Belfort	29.89	71	2	o	c	29.89	−.07	59	59	−4	W	4	†	*	c	*	79	57	0.35
	Lyons	29.89	78	SSW	2	bc	30.02	+.04	57	56	−11	NW	1	†	*	bc.tl+	*	89	57	1.06
	Nice	30.00	72	W	4	b	29.93	−.10	69	65	−5	E	1	b	o	b	*	82	69	—
	Perpignan ...	29.96	72	2	o	o	29.97	−.01	66	59	−2	W	3	o	*	o	*	81	63	—
	Biarritz ...	30.00	66	NW	4	o	30.02	+.03	62	60	−8	SW	4	†	4	o	*	73	59	0.28
Peninsula.	Corunna ...																*			
	Lisbon	30.14	65	N	6	b	30.15	+.04	65	54	−5	NNE	6	b	*	b	*	77	61	—
	Azores (P. Delgada)	30.45	66	ENE	3	b	30.40	+.01	68	62	o	NE	3	bc	3	bc.b	*	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 9.3 hrs.

WEATHER CHARTS

FOR Thursday, 19th August, 1897.

BAROMETER, WIND AND SEA.

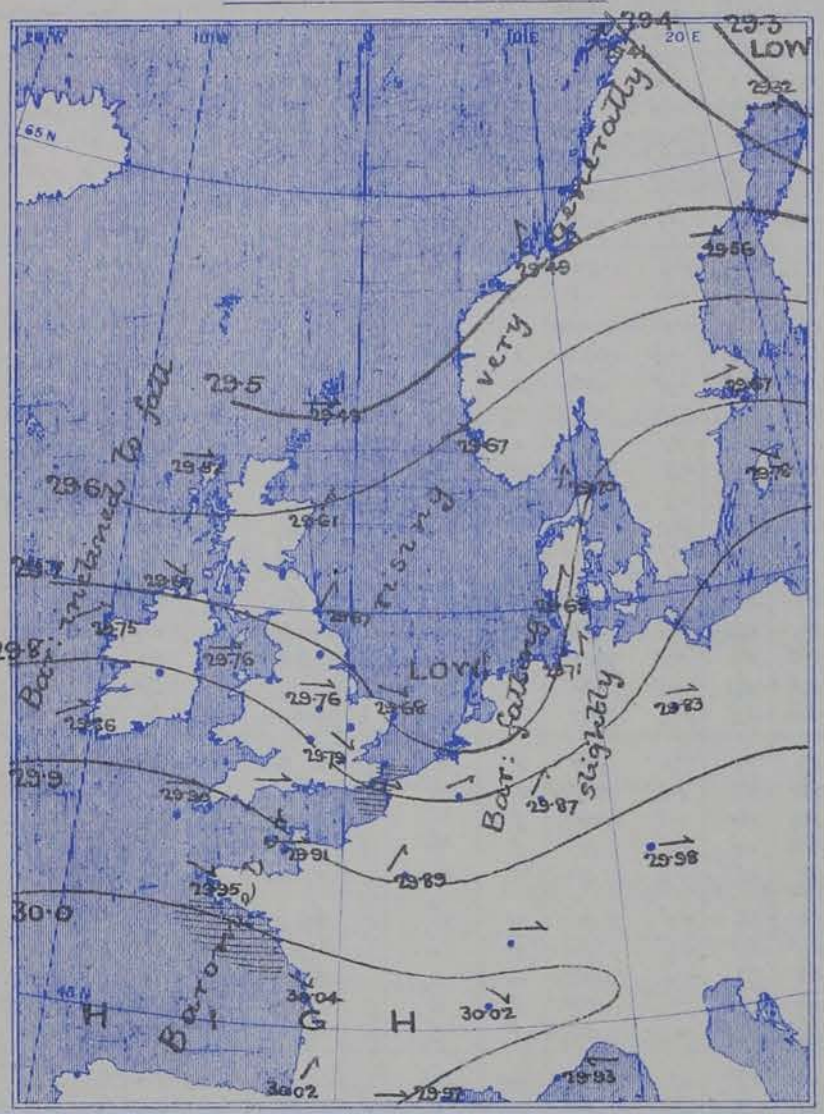
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▓

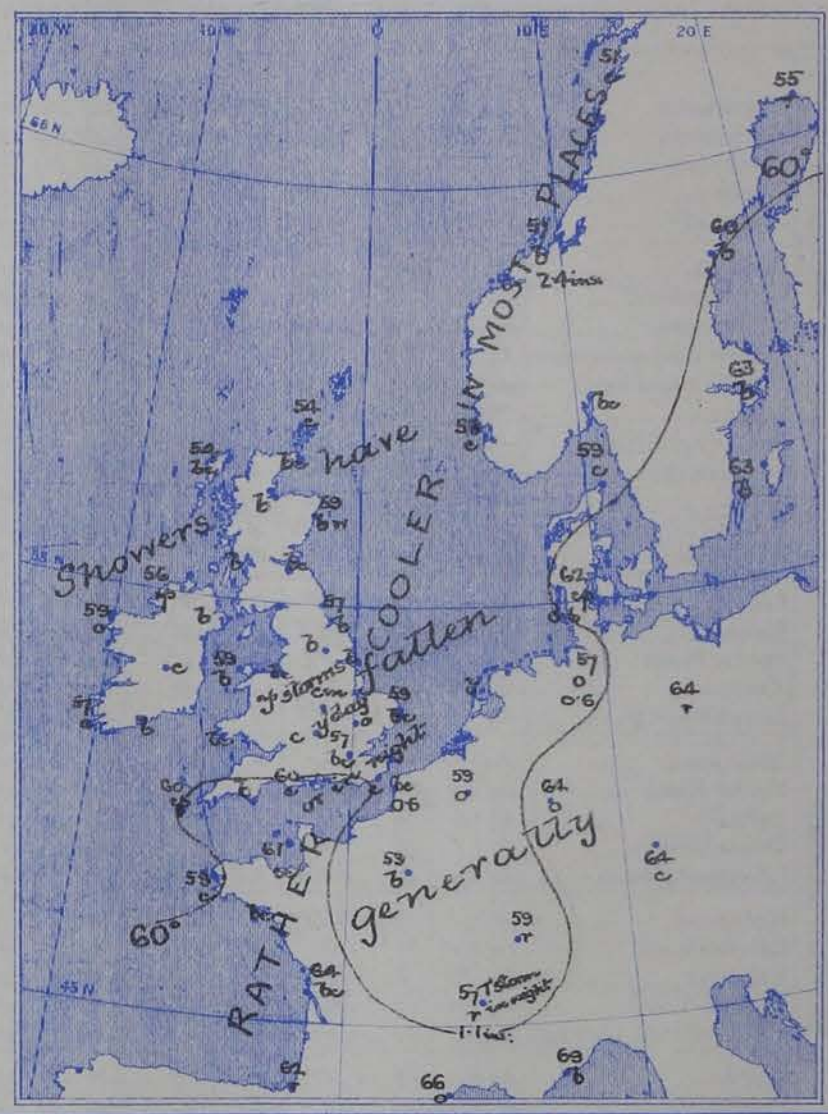


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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^rn part of the Iberian Peninsula.
Lowest 29.3 ins. and less in a depression over Lapland, and 29.7 ins. and less in a "V" shaped secondary over the North Sea.
Gradients slight generally.
Barometer rising over W^rn Europe generally, but inclined to fall again in the W. of Ireland.

TEMPERATURE

Highest 69° at Nice, 66° at Perpignan, 64° at the German stations, and 63° at Stockholm and Wisby.
Lowest 51° at Bodö, 54° at Sumburgh Hd. and Stornoway, 55° at Haparanda, and 56° at Wick, Nairn and Malin Hd.

WIND

W^ly and light or moderate over our Islands generally, but moderate breezes from the SW^wd are reported from most of the Continental stations. Over the S. of France the wind is light and variable.

WEATHER

Fair over NW^rn Europe as a whole, but dull and rainy at some of the E^rn French stations and showery at Malin Hd. and Scilly. Rain had fallen in nearly all places, during the preceding 24 hrs, and thunderstorms had occurred over the E^rn and Midland districts of England. At Lynsted 0.53 in. of rain was measured in a thunderstorm during the night. Bright sunshine yesterday was considerable at our N^rn and W^rn stations.

SEA

Rather rough at Cape Gris Nez and Lorient, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "V" shaped secondary disturbance recently noticed over our islands has now passed away to the E^wd and the barometer is now rising generally. In the W. of Ireland, however, the mercury is inclined to fall. Fair weather is probable over England today, but showers are probable in the W. and N.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W^ly to SW^ly winds, moderate to fresh; fair then rainy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W^ly to SW^ly winds, moderate, fair at first, showery later.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	W^ly to SW^ly or S^ly winds, moderate; to fresh; fair, then unsettled and rainy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.55	60	58	WSW	6	c	5
Sumburgh Head	29.41	56	53	W	3	c	4
Stornoway	29.52	60	54	WNW	4	c	4
Aberdeen	29.56	66	55	SW	3	bc	2
Shields	29.61	60	56	NE	1	cu	2
Ardrossan	29.63	62	61	W	2	c	2
Malin Head ...	29.66	60	55	WNW	4	bc	2
Belmullet	29.75	60	55	WNW	1	c	*
Holyhead	29.70	60	58	NW	2	bc	2
Valencia	29.80	61	56	WNW	4	bcv	5
Scilly	29.75	64	59	WNW	3	cp	3
Jersey	29.85	67	63	WSW	4	op	4
Hurst Castle ...	29.65	68	64	SW	4	bc	3
Dungeness ...	29.77	66	62	SW	5	c	4
North Foreland	29.75	68	63	SW	4	c	3
London (Westminster)	29.70	72	62	SW	3	c	*
Yarmouth ...	29.67	69	62	SSE	3	bc	3
Rochefort ...	30.03	73	70	NW.	4	c	*

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

Weather in morning still very fine over SW^n, central and E^rn Europe, and the Mediterranean, as well as over the greater part of Ireland and the E. of England; cloudy, unsettled and raining at some of our W^n and S^n stations in the W. of Norway. Rain falling later all over W^n and N^rn Europe, and over the greater part of the British Isles — the amounts being considerable in several localities, and especially so at Christiansund (2.4 ins.), and at Lyons (1.1 ins.). Thunder and lightning occurring over our S^n and E^rn counties, and at Longhborough.

Temperature fallen a little in the extreme W. Morning readings highest 82° at Palma, and exceeding 70° on the coasts of S^rn Europe generally; 65° at Paris, 64° in London, and at Fanö; lowest 51° at Sumburgh H^d, 55° at Malin H^d, 57° at Parsonstown, Wick and Bodø, 59° at York. Rising later to between 68° and 75° over England to 77° at Paris, 81° at Berlin, and 87° at Lyons; becoming cooler over the British Islands since later.

Wind light from the NW^rd over the western parts of the United Kingdom, but SW^ly to S^ly over the English Channel, the Netherlands, the Baltic and Scandinavia, and blowing strongly over the countries lying to the eastward of the North Sea. The NW^ly breeze becoming more general over the British Islands later, and the SW^ly winds moderating over the North Sea.

Barometer highest 30.4 ins. in the Azores, and 30.1 ins. to 30.0 ins. over the W. and S. of Spain, as well as over the Mediterranean, the Adriatic, and nearly the whole of central Europe. Lowest below 29.2 ins. in a depression lying off the W. of Norway, and below 29.7 ins. in a "V" shaped secondary over Wales. Rising decidedly in Ireland, Scotland and Norway later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday 20th August, 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 ...	29.59	54	NE	0	b	29.63	+ .31	57	55	+ 2	S	2	o	*	b	*	64	52	0.24
	Hernösand ...	29.61	61	S	2	b	29.56	.00	59	57	— 1	S	4	o	*	b	*	70	52	0.08
	Stockholm ...	29.68	61	NE	0	o	29.63	— .04	62	59	— 1	SSW	2	o	*	o	*	70	57	—
	Wisby	29.72	63	SSW	4	r	29.69	— .09	62	59	— 1	W	6	c	*	r	*	68	61	—
	Karlstad ...	29.61	60	S	4	r	29.63	— .06	55	53	— 5	W	2	bc	*	r	*	*	*	0.55
	Bodö	29.88	52	E	2	c	29.47	+ .06	54	52	+ 3	NE	0	o	0	c	*	57	48	0.08
	Christiansund ...	29.53	58	N	6	bc	29.57	+ .08	56	51	— 1	SW	2	c	3	bc	*	61	52	0.39
	Skudesnaes ...	29.65	59	WSW	2	b	29.68	+ .01	59	54	+ 1	SW	4	c	3	b, tl	*	64	54	*
	Færder (Christiania Fjord)	29.59	59	SSE	2	r	29.68	+ .02	58	53	— 1	W	2	b	1	r	*	63	57	0.12
	Skagen (The Scaw)	29.61	58	W	1	bc	29.74	+ .04	61	55	+ 2	WNW	3	b	0	bc	*	64	55	0.55
	Fanö	29.69	58	W	4	b	29.82	+ .17	60	57	— 2	W	4	b	*	tr, b	*	66	57	0.08
British Isles.	Sumburgh Head	29.51	55	SW	1	bc	29.38	— .11	56	54	+ 2	S	3	c	4	bc	*	60	47	—
	Stornoway ...	29.48	56	SW	4	o	29.16	— .36	55	55	+ 1	SSW	4	o	5	o	7.0	61	52	0.40
	Wick	29.57	53	NW	1	c	29.30	— .27	57	55	+ 1	S	4	c	3	c	*	62	49	0.12
	Nairn	29.56	62	W	1	b	29.26	— .33	60	56	+ 4	SSW	2	c	1	b	*	65	48	0.01
	Aberdeen ...	29.60	57	SSE	1	bc	29.38	— .23	56	54	— 3	SSE	5	ogq	3	p, bc	8.9	63	52	0.02
	Leith	29.63	60	WSW	2	bc	29.33	— .33	61	57	+ 4	SSW	3	o	*	bc	*	66	54	—
	Shields	29.69	63	WSW	2	c	29.50	— .17	55	53	— 2	S	3	o	2	c, p	*	68	51	0.01
	Spurn Head ...	29.75	62	W	4	c	29.62	— .10	59	58	+ 1	S	5	c	4	c, tlp	*	64	53	0.01
	York	29.75	65	W	2	b	29.59	— .12	57	55	— 1	SSE	2	o	*	b	12.8	66	51	—
	Loughborough ...	29.80	66	WSW	2	bc	29.64	— .12	58	56	+ 4	SSE	3	or	*	bc, cq, o	*	68	53	—
	Ardrossan ...	29.62	59	SSW	3	bc	29.24	— .42	59	59	+ 2	SE	4	rm	4	bc	*	61	55	0.11
	Malin Head ...	29.59	55	S	6	opq	29.13	— .54	60	60	+ 4	S	4	cmp	3	bc, opq	*	62	53	0.09
	Belmullet ...	29.55	60	WSW	2	op	29.28	— .47	60	59	+ 1	W	4	o	*	op	*	60	55	0.27
	Donaghadee ...	29.66	58	SSW	5	c	29.27	— .46	59	59	0	S	6	r	4	c	*	67	55	0.23
	Liverpool (Bidston)	29.66	59	WSW	4	c	29.46	— .29	57	55	0	SE	3	o	3	c	*	64	54	0.07
	Holyhead ...	29.75	58	SW	5	cpm	29.40	— .36	60	60	+ 1	SSW	7	rq	5	bc, cmpo	*	63	56	0.30
	Parsonstown ...	29.66	56	E	1	r	29.36	— .45	60	59	+ 5	SW	1	or	*	or	5.0	63	55	0.47
	Valencia ...	29.65	60	S	3	og	29.47	— .39	61	59	+ 4	SW	5	og	6	rm, og, tb	1.0	61	55	0.52
	Roche's Point ..	29.73	58	WSW	5	rm	29.51	— .37	61	59	+ 4	W	5	bc	4	rm, p	*	61	55	0.25
	Pembroke (St. Ann's Hd.)	29.82	60	W	4	c	29.53	— .34	62	60	+ 4	W	5	bc	5	c	10.6	62	56	0.29
	Scilly	29.88	63	SSW	4	c	29.64	— .26	64	63	+ 4	SW	5	o	4	c	8.4	67	55	0.16
	Prawle Point ...	29.92	59	W	5	bc	29.67	— .21	60	60	— 1	SW	6	rf	5	bc, cp	*	63	54	0.14
	Jersey (St. Aubin's)	29.97	64	W	4	b	29.81	— .10	62	61	+ 1	SSW	5	orm	4	bc, b	*	65	59	0.08
	Hurst Castle ...	29.89	64	WSW	5	bc	29.74	— .09	61	61	+ 1	SSW	6	rm	3	cp, bc	*	70	59	0.10
	Dungeness ...	29.88	63	WSW	6	b	29.80	+ .04	61	59	0	SSW	6	oq	5	bc, b	*	70	59	0.06
	North Foreland	29.86	60	SW	3	pltbr	29.81	+ .07	62	58	+ 3	S	5	bcq	4	c, tlp	*	67	54	0.17
	London (Brixton) ...	29.86	64	SW	3	br	29.75	— .04	61	59	+ 4	SSW	3	odp	*	c, br	10.5	71	53	—
	Oxford	29.86	57	WSW	2	b	29.68	— .12	59	58	+ 2	S	4	or	*	bc, p	*	67	53	0.03
	Cambridge ...	29.82	65	SW	1	b	29.71	— .05	61	58	+ 3	SSW	4	o	*	bp, b	8.3	68	47	—
	Yarmouth ...	29.80	62	S	2	c	29.76	+ .08	61	56	+ 2	S	5	bc	4	thp, c	*	65	51	0.07
Germany & Holland.	Cuxhaven ...	29.74	63	WSW	5	bc	29.89	+ .18	60	57	+ 3	SW	3	b	*	r, bc	*	68	55	0.12
	Berlin	29.80	66	W	2	o	29.94	+ .11	61	57	— 3	WNW	3	o	*	o	*	73	59	0.16
	Wiesbaden ...	*	*	*	*	*	30.04	+ .17	59	56	— 5	SW	1	b	*	*	*	68	55	—
	Munich	30.01	54	W	4	r	30.13	+ .15	49	49	— 15	W	4	r	*	r	*	72	48	1.18
	The Helder ...	29.81	62	WNW	3	bc	29.83	+ .19	63	57	+ 5	SW	4	bc	2	bc	*	64	55	0.20
Belgium.	Brussels ...	*	*	*	*	*	29.95	+ .15	59	54	0	SSE	3	b	*	b	*	67	50	—
	Cape Gris Nez ...	29.88	61	SW	5	c	29.86	+ .12	60	56	+ 2	SW	5	c	5	c	*	64	55	—
	Paris	29.98	64	W	2	bc	30.02	+ .13	55	52	— 4	S	2	b	*	bc	*	71	50	—
	Brest	30.00	63	WSW	4	bc	29.80	— .11	60	60	+ 1	WSW	5	f	4	bc	*	66	55	0.04
	Lorient	30.05	64	W	5	c	29.89	— .07	62	62	+ 1	WSW	6	r	6	c	*	70	57	0.82
France &	Rochefort ...	30.11	66	NW	5	c	30.12	+ .08	66	64	+ 2	WSW	5	c	*	b, c	*	68	61	—
	Belfort	30.01	55	WSW	4	o	30.13	+ .24	54	53	— 5	W	3	o	*	o	*	71	50	0.35
	Lyons	30.06	57	S	1	o	30.13	+ .11	60	55	+ 3	NNE	1	b	*	o	*	62	49	0.10
	Nice	29.89	66	SW	2	c	29.85	— .08	68	55	— 1	E	0	b	2	c	*	79	59	0.04
	Perpignan ...	30.08	64	NW	3	b	30.16	+ .19	64	57	— 2	NW	3	b	*	b	*	67	57	0.18
	Biarritz ...	30.12	67	W	4	c	30.12	+ .10	61	57	— 1	S	3	bc	4	c	*	88	59	0.28
Peninsula.	Corunna ...																*			
	Lisbon	30.12	64	NNW	7	b	30.09	— .06	69	57	+ 4	NNE	5	b	*	b	*	72	61	—
	Azores (P. Delgada)	30.38	65	SE	1	b	30.34	— .06	66	62	— 2	NE	1	b	2	b	*	73	61	—

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

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

Bright Sunshine yesterday Southport 12.2 hrs;

WEATHER CHARTS

FOR Friday, 20th August, 1897.

BAROMETER, WIND AND SEA.

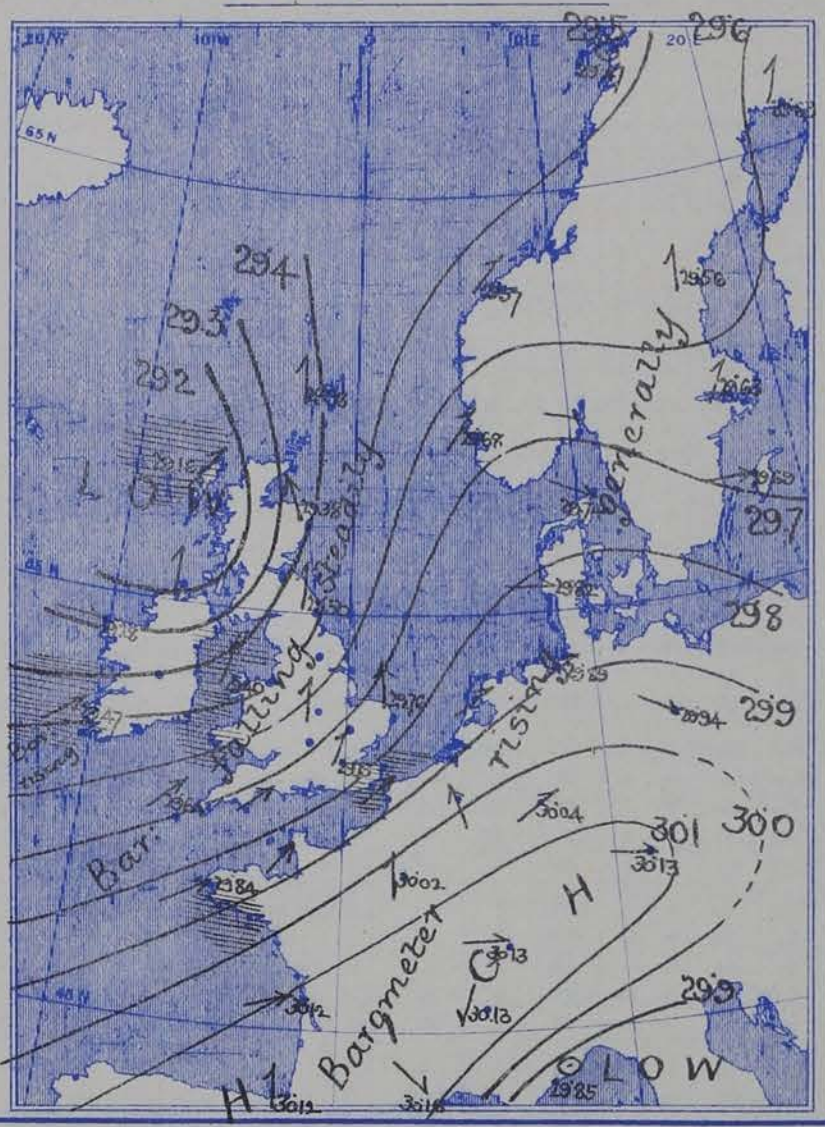
BAROMETER—Isobars are drawn for each tenth of an inch.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 to 29·9 ins. over Spain, France and Germany.
Lowest 29·2 ins. and less over the Hebrides, the W. of Scotland and the north of Ireland.
Gradients rather steep over the N. of England and E. of Scotland.
Barometer falling in the N. and E., but had begun to rise a little at Valencia (Ireland).

TEMPERATURE

Highest 68° at Nice, 66° at Rochefort, and 64° to 60° on our own south-western coasts.
Lowest (1) 49° at Munich; (2) 54° at Bodö, 55° at Stornoway and Shields.
It had risen a little at most of our own stations and the air has become more humid than of late.
London is the only one of our own stations at which the temperature exceeded 70° during yesterday.

WIND

(1) Light to moderate, and anticyclonic over France and Germany as a whole, but (2) W. and SW., fresh, over Ireland, S. moderate to strong over Gt. Britain, W. & S., moderate to light over Scandinavia.
It blew strongly from the S.W. over Ireland last evening.

WEATHER

Dull equally and showery over our Islands and the Channel, but with some tendency towards improvement at a few of the W.rn stations.
Rain has fallen at almost all stations — heavily again at Munich. Thunder and lightning have occurred in many parts of our Islands and over the North Sea.
Bright Sunshine recorded yesterday was nearly 13 hrs. at York and Southport, 10½ hrs. at Pembroke and in London, 9 hrs. at Aberdeen, and more than 8 hrs. at Cambridge.

SEA

Rough in the SW., rather so in the English Channel, moderate over the Irish Sea.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very changeable showery weather, with varying S. to W. winds and muggy air, are now probable.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. and varying breezes, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S. to W. winds, moderate to fresh, rainy, changeable, unsettled, thunder in places.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	W. and S. winds, rainy, unsettled, thunder locally.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.61	64	60	N	2	fb	3	Valencia	29.75	57	56	S	4	rm	5
Sumburgh Head	29.51	57	53	W	4	bc	4	Scilly	29.92	66	61	WSW	3	c	3
Stornoway	29.52	60	54	W	4	o	4	Jersey	29.97	63	58	W	5	bc	4
Aberdeen	29.59	63	54	SSE	2	bc	1	Hurst Castle ..	29.89	62	59	WSW	3	cp	2
Shields	29.67	66	64	WSW	3	c	2	Dungeness ...	29.82	66	62	WSW	6	bc	6
Ardrossan	29.66	60	60	WSW	3	bc	3	North Foreland	29.84	65	60	W	3	cp	2
Malin Head ...	29.63	58	53	WSW	3	bc	2	London (Westminster)	29.81	70	58	WNW	2	bc	*
Belmullet	29.66	57	56	WSW	2	or	*	Yarmouth ..	29.78	64	57	NNW	3	bc	2
Holyhead	29.79	61	58	SW	3	bc	2	Rochefort ...	30.10	68	66	NNW	5	b	*

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

Weather in morning fine and bright over the greater part of E^rn and S^rn Europe, as well as the greater part of the British Islands and the Baltic; dull and rainy at Haparanda, at several stations on the E^rn shores of the North Sea and at others in the south and southwest of France; thunder reported at the Helder. Rain falling later at almost all stations over the British Islands and W^rn Europe, the fall being considerable over Ireland and at Karlstad and the Scaw; heavy at Munich. Thunder and lightning occurring in many places.

Temperature fallen over England, the north of France and Denmark. Morning reading highest 83° at Algiers, 81° at La Calle, and exceeding 70° at nearly all the stations in the eastern S. and SE. of Europe; 69° at Lemberg, Kharkov and Memel, 65° at Helsingfors, 61° at Ulealborg. Lowest 51° at Bodö, 54° at Spurnhugh Hd., and below 60° over almost the whole of the British Islands. Failing to reach 70° over our Islands later except over London and its neighbourhood, but touching 71° at Paris, 72° at Munich, 79° at Nice, and 88° at Biarritz.

Wind light and variable from the W^rd (SW. to NW.) over the United Kingdom and France, but SW. to S. over the Baltic and N^rn Europe, SE. over central Russia and E^rn Germany. Light and variable over the Mediterranean. Backing to the S^thd over our Islands later and freshening considerably at the W^rn stations.

Barometer highest 30.4 ins. over the Azores, and 30.1 ins. to 30.0 ins. in two anticyclones,—one over SW^rn and the other over SE^rn Europe. Lowest below 29.4 ins. over Lapland and the Kola peninsula, and below 29.7 ins. in a "V" shaped secondary lying over the North Sea. Falling fast later in the W. of our Islands, rising in the E. and over Germany.

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 Saturday 21st August, 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 ...	29.51	51	N	2	c	29.69	+ .06	50	50	− 7	W	2	b	≡	c	*	75	41	0.28
	Hernösand ...	29.67	53	E	0	b	29.74	+ .18	55	53	− 4	S	2	b	*	b	*	66	52	0.75
	Stockholm ...	29.83	60	SW	2	b	29.88	+ .25	62	57	0	SSW	2	b	*	b	*	68	55	—
	Wisby	29.89	63	W	4	b	29.91	+ .22	63	58	+ 1	SW	4	c	*	b	*	66	59	—
	Karlstad ...	29.79	60	WSW	4	b	29.78	+ .15	60	57	+ 5	S	2	o	*	b	*	*	*	—
	Bodö	29.55	52	SW	6	o	29.62	+ .15	54	50	0	SW	4	c	2	o	*	54	48	0.32
	Christiansund ...	29.63	51	NW	2	o	29.49	− .08	58	53	+ 2	SSE	4	o	2	o	*	59	50	—
	Skudesnaes ...	29.56	62	S	10	r	29.41	− .27	62	61	+ 3	SE	8	r	6	m.r	*	64	54	*
	Færder (Christiania Fjord)	29.76	62	SW	5	b	29.65	− .03	62	61	+ 4	SE	6	o	4	b	*	62	57	—
	Skagen (The Scaw)	29.79	62	SW	1	bc	29.65	− .09	62	57	+ 1	S	5	o	2	bc	*	73	57	0.04
	Fanö	29.75	61	SSE	4	c	29.54	− .28	59	59	− 1	SSE	6	r	*	c	*	68	57	—
	Sumburgh Head	29.20	56	SW	4	o	29.17	− .21	55	55	− 1	SW	1	o	3	o	*	59	53	0.13
	Stornoway ...	29.07	58	W	3	o	29.18	+ .02	52	51	− 3	W	3	o	3	p.o	0.0	58	49	0.38
	Wick	29.12	58	S	3	o	29.21	− .09	55	55	− 2	NW	1	o	2	o	*	62	50	0.03
	Nairn	29.15	59	W	2	c	29.20	− .06	55	53	− 5	WSW	1	o	1	c	*	65	51	0.12
	Aberdeen ...	29.17	61	SSW	3	c	29.23	− .15	58	55	+ 2	W	1	bc	2	rpg.c.r	1.2	61	54	0.28
British Islands.	Leith	29.25	63	SW	2	o	29.25	− .08	59	55	− 2	WSW	3	b	*	o	*	70	53	0.29
	Shields	29.34	66	SW	3	c	29.30	− .20	60	57	+ 5	SW	3	cw	2	r, c	*	68	54	0.21
	Spurn Head ...	29.46	65	SW	4	c	29.41	− .21	62	61	+ 3	SW	5	bc	4	c.pq	*	69	58	0.04
	York	29.42	67	SSE	1	c	29.38	− .21	59	55	+ 2	WSW	3	bc	*	c	2.4	70	56	0.16
	Loughborough ...	29.50	67	SW	3	c	29.47	− .17	60	56	+ 2	WSW	3	c	*	epg.bc	*	70	57	0.09
	Ardrossan ...	29.24	59	S	1	cmp	29.28	+ .04	55	54	− 4	SSW	3	c	2	cmp	*	60	53	0.25
	Malin Head ...	29.23	56	SW	4	cp	29.25	+ .12	53	51	− 7	S	3	cmp	2	cp	*	61	49	0.15
	Belmullet ...	29.36	56	WNW	3	cp	29.24	− .04	57	53	− 3	WSW	2	c	*	bc, cp	*	61	53	0.13
	Donaghadee ...	29.30	63	WSW	3	cp	29.34	+ .07	56	54	− 3	WSW	3	bc	1	c	*	69	50	0.11
	Liverpool (Bidston)	29.43	63	SW	4	o	29.42	− .04	59	52	+ 2	WSW	3	b	24	r.o	*	68	54	0.46
	Holyhead ...	29.41	59	SW	4	cmp	29.41	+ .01	57	54	− 3	SW	5	c	4	c.cmp	*	65	52	0.52
	Parsonstown ...	29.38	57	E	0	r	29.36	.00	54	51	− 6	SW	2	o	*	or	1.0	64	49	0.25
	Valencia ...	29.43	58	SW	2	o	29.39	− .08	57	54	− 4	SW	6	opqq	6	mq.r.o	0.0	63	51	0.43
	Roche's Point ...	29.45	61	WSW	5	rm	29.45	− .06	57	54	− 4	WSW	5	o	4	r.b	*	64	51	0.10
	Pembroke (St. Ann's Hd.)	29.50	62	WSW	6	o	29.50	− .03	59	57	− 3	W	5	cq	5	o	4.4	63	51	0.03
	Scilly	29.63	64	SW	4	c	29.61	− .03	61	56	− 3	WSW	5	c	4	cmp.c	2.1	67	56	0.04
	Prawle Point ...	29.63	60	WSW	5	c	29.63	− .04	60	57	0	WSW	6	pq	5	c	*	62	57	0.03
	Jersey (St. Aubin's)	29.74	65	WSW	3	opq	29.71	− .10	63	61	+ 1	SW	4	c	3	ogp	*	65	60	0.38
	Hurst Castle ...	29.63	63	SW	6	c	29.60	− .14	64	61	+ 3	WSW	5	c	3	op.c	*	65	61	0.18
	Dungeness ...	29.65	62	SSW	5	r	29.58	− .22	63	62	+ 2	SW	6	oq	5	r	*	63	59	0.18
	North Foreland	29.66	64	SSW	3	o	29.58	− .23	64	61	+ 2	SSW	5	cq	4	o	*	65	58	0.08
	London (Brixton) ...	29.60	64	SW	4	opa	29.56	− .19	65	60	+ 4	WSW	2	c	*	opa.bcr	1.4	69	60	0.05
	Oxford	29.56	62	SW	4	o	29.54	− .14	60	56	+ 1	SW	5	cpq	*	opq	*	70	58	0.40
	Cambridge ...	29.55	65	SW	3	r	29.55	− .16	62	60	+ 1	SW	4	c	*	p	1.8	70	57	0.42
	Yarmouth ...	29.57	65	SSW	4	c	29.49	− .27	64	60	+ 3	SSW	4	c	4	p.c	*	65	58	0.02
Germany & Holland.	Cuxhaven ...	29.83	63	S	2	bc	29.64	− .25	59	58	− 1	S	5	o	*	bc.r	*	68	55	0.08
	Berlin	29.95	64	E	0	c	29.87	− .07	60	57	− 1	SSE	3	c	*	c	*	72	54	—
	Wiesbaden ...	*	*	*	*	*	29.89	− .15	60	59	+ 1	S	1	o	*	*	*	72	57	0.39
	Munich	30.13	53	W	2	b	30.06	− .07	57	52	+ 8	SW	3	bc	*	b	*	61	45	0.08
	The Helder ...	29.68	60	S	5	r	29.54	− .29	64	61	+ 1	SW	5	c	2	r	*	66	59	0.20
Belgium.	Brussels ...	*	*	*	*	*	29.71	− .34	62	62	+ 3	SSW	4	c	*	r	*	69	57	0.59
	Cape Gris Nez ...	29.70	62	WSW	7	r	29.62	− .24	62	61	+ 2	WSW	6	o	6	r	*	63	57	0.43
	Paris	29.89	61	S	3	r	29.82	− .20	62	61	+ 7	S	2	r	*	r	*	64	55	0.30
	Brest	29.76	64	SW	4	m	29.72	− .08	61	61	+ 1	WSW	4	f	4	m	*	66	57	0.28
	Lorient	29.85	64	WSW	5	r	29.79	− .10	63	63	+ 1	WSW	5	r	5	r	*	64	57	0.51
France &	Rochefort ...	30.06	65	WSW	5	r	29.95	− .17	68	65	+ 2	SW	5	o	*	o.r	*	68	63	0.16
	Belfort	30.03	60	W	2	o	29.95	− .18	59	55	+ 5	SW	2	o	*	o	*	68	54	—
	Lyons	30.07	76	SSW	1	bc	30.01	− .12	67	59	+ 7	S	1	b	*	bc	*	71	53	—
	Nice	29.92	58	SW	2	bc	29.98	+ .13	68	60	0	E	0	b	2	bc	*	77	61	—
	Perpignan ...	30.08	72	NW	3	c	30.05	− .11	65	61	+ 1	SW	1	b	*	c	*	78	55	—
	Biarritz ...	30.04	72	NNW	3	b	29.95	− .17	63	62	+ 2	ESE	3	b	4	b	*	79	61	—
Peninsula.	Corunna ...																*			
	Lisbon	30.04	69	N	4	b	30.06	− .03	70	61	+ 1	N	4	b	*	b	*	88	64	—
	Azores (P. Delgada)	30.31	66	WNW	1	b	30.26	− .08	70	66	+ 4	WNW	4	o	2	b	*	75	64	—

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

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

Bright Sunshine yesterday Southport 1.8 *hrs;*

WEATHER CHARTS

FOR Saturday, 21st August, 1897.

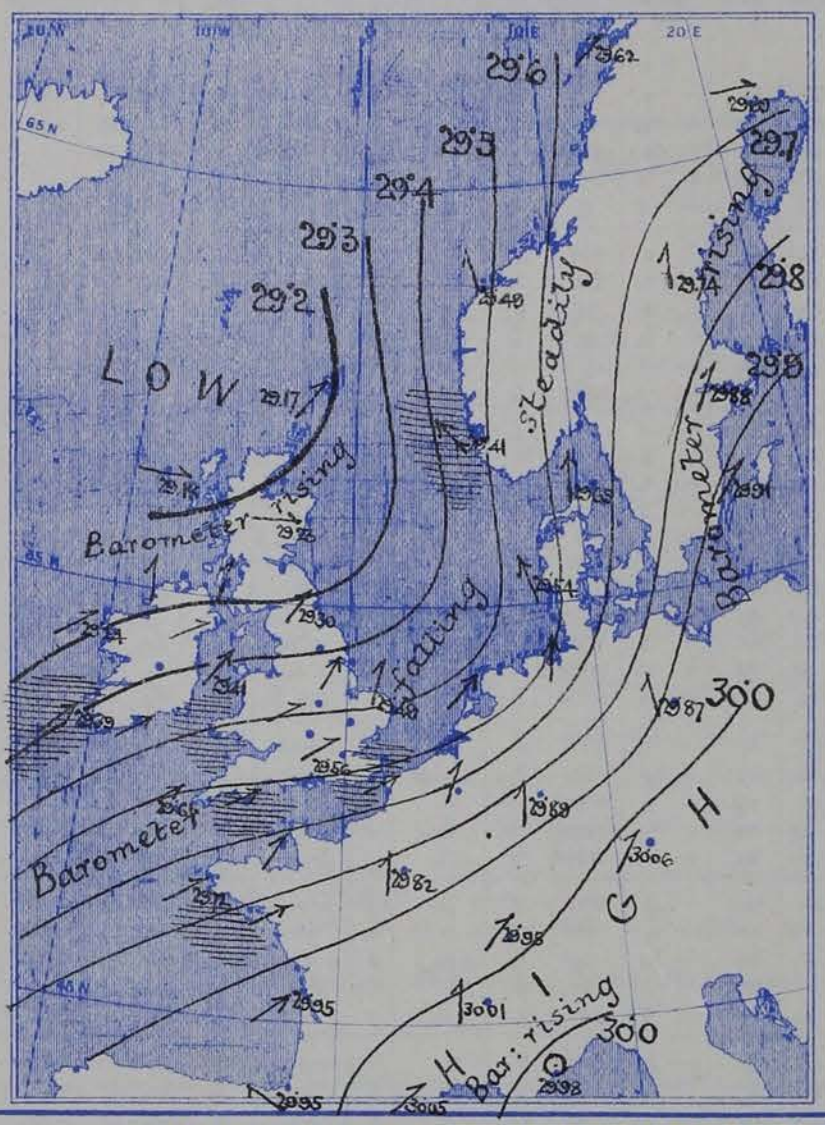
BAROMETER, WIND AND SEA.

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*

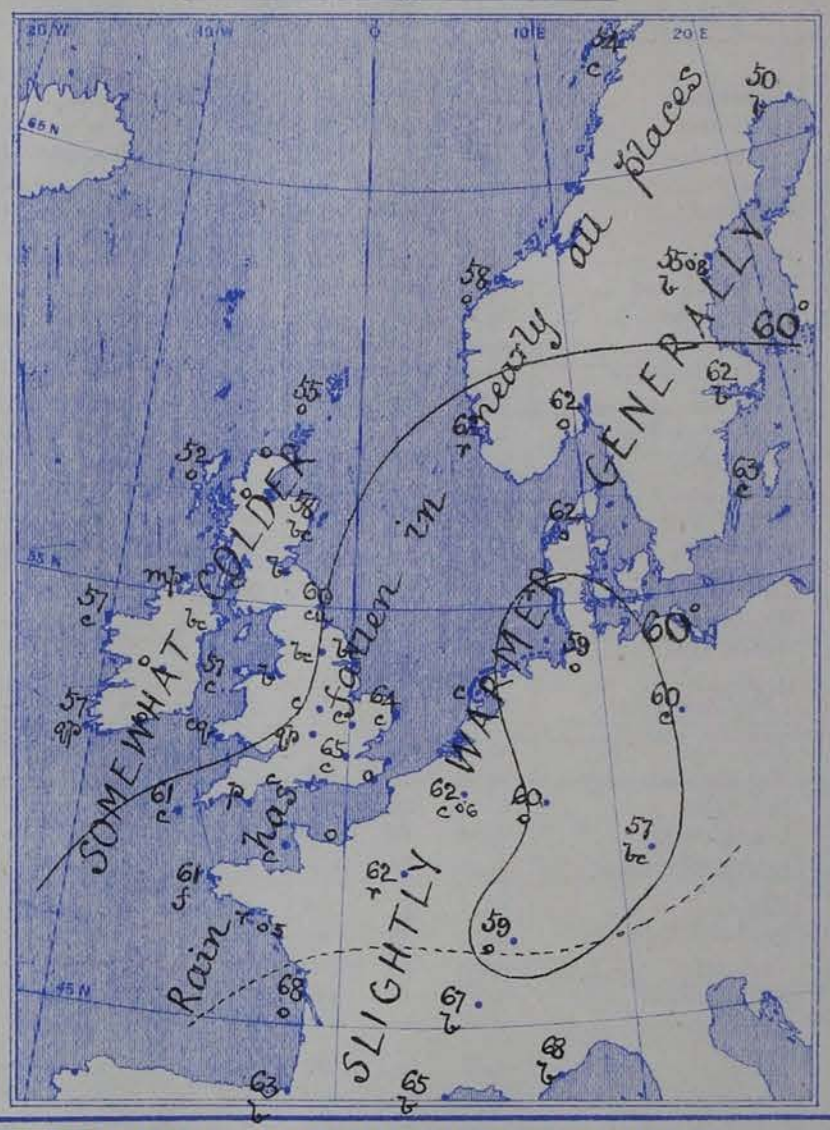


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS:	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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. to 29.7 ins. over France, Germany and the Baltic.
Lowest Below 29.3 ins. over the N. of Scotland, the Shetlands and the adjacent parts of the Atlantic.
Gradients slight over Scotland, moderate over England.
Barometer rising a little on our NW. coasts, falling unsteadily in the SW. and S.

TEMPERATURE

Highest 68° to 63° over the S^rn. parts of France, 65° in London, 64° at Yarmouth and the Helder.
Lowest 50° at Haparanda, 52° to 55° at most of the Scotch stations and in the N. of Ireland.
A maximum of 70° in the screen was recorded yesterday at Oxford, Loughborough, York and Sheffield, 72° at Berlin, 77° at Nice. At Paris the maximum was only 64°.

WIND

Light and variable from the W^nd. over Scotland; SW^ly. moderate to strong over Ireland and England. S. to SE^ly., strong, on the eastern shores of the North Sea, S., light, over Germany.

WEATHER

Continued in a changeable condition (showers with bright intervals) except at the southern of the Continental stations, where it was very fine.
Rain had again fallen over our Islands generally, and was considerable over the central parts of Ireland and England. Bright Sunshine was small in amount, the greatest value being 4.4 hrs. at Pembroke.

SEA

Rough on our SW^rn. coasts and in the Channel, as well as on the S. coast of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of showery changeable weather is likely over England, Ireland and the N^rn. parts of France and Germany.

FORECASTS

For the 24 hours ending at NOON on 22^nd. AUGUST 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying light winds; weather rather changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SW^ly. winds moderate to fresh, gusty, showery, bright intervals.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos. 2 to 5.
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 ...	29.64	64	57	S	6	m	4
Sumburgh Head	29.77	58	56	S	4	o	4
Stornoway	29.09	57	57	S	3	o	3
Aberdeen	29.25	55	54	SSE	6	orgq	5
Shields	29.33	65	61	S	4	c	2
Ardrossan	29.22	59	59	SSE	4	omp	4
Malin Head ...	29.22	59	58	WSW	5	p	5
Belmullet	29.35	61	57	W	3	bc	*
Holyhead	29.42	64	62	SW	6	c	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.45	63	62	SW	5	omg	5
Scilly	29.63	65	63	SW	4	omp	4
Jersey	29.71	65	63	WSW	4	o	3
Hurst Castle ...	29.67	65	64	SW	5	op	3
Dungeness ...	29.69	61	61	SSW	6	r	5
North Foreland	29.69	62	61	S	7	r	6
London (Westminster)	29.62	67	63	W	3	cp	*
Yarmouth ...	29.62	62	60	SSW	5	r	4
Rochefort ...	30.09	67	65	WSW	5	o	*

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

Weather in morning fine and bright over Spain, France, the Mediterranean and S.E.rn Europe, as well as over central Russia, and at the Danish and Dutch stations, cloudy, very unsettled, and rainy over Ireland, England and the N. of France, rather showery in Scotland, and rainy in several parts of S. Germany and Austria. Rain falling later in all parts of the United Kingdom, the W. and N. of France, N. Germany and the N.rn parts of Scandinavia.

Temperature falls decidedly over central Europe. Morning readings highest 80° at Trieste, 79° at La Calle, 77° at Tunis, Athens and Brindisi; 69° at Riga, 63° at Neufahrwasser and the Helder, 61° in London and at Valencia. Lowest, 54° at Ulealborg & Bodø, 55° at Karlstad and Stornoway, 56° at Aberdeen and Christiansund. Rising later to 70° at Shields, York, Loughborough and Oxford to 72° at Berlin, 79° at Biarritz, and 88° at Lisbon, but not touching 65° at Paris or at the Irish stations.

Winds (1) light to moderate and anticyclonic over Spain, central France and Germany, and the S.rn half of Russia, (2) W. and SW. (cyclonic) over the W.rn parts of our Islands and the English Channel, and S., fresh to moderate over the E.rn parts of Gt. Britain, (3) an imperfect cyclonic circulation of light to moderate breezes prevailing over N.rn Europe, and (4) a rather complex cyclonic system over the N.rn parts of the Mediterranean and Italy.

Barometer (1) highest 30.34 ins. at P. Delgada, Azores, and 30.1 ins. to 29.9 ins. over Spain, France and the W.rn half of Germany, (2) 30.1 ins. and more to 29.9 ins. over the S.rn half of Russia and SE.rn Europe. Lowest 29.2 ins. and less in a depression lying off our extreme NW. coasts, and below 29.6 ins. over all the N.rn parts of Scandinavia. Shallow but complex disturbances observed over the N.rn parts of the Mediterranean also. Falling later over France and England, rising on our NW. coasts and over Scandinavia.

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.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 22nd August, 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 ...	29.71	54	L	0	b	29.69	.00	58	56	+ 8	S	2	o	≡	b	≡	61	48	—
	Hernösand ...	29.70	60	S	4	c	29.62	— .12	60	58	+ 5	S	4	o	*	c	*	70	43	—
	Stockholm ...	29.75	59	SSE	2	b	29.61	— .27	63	59	+ 1	SE	2	o	*	b	*	68	52	—
	Wisby	29.78	59	SSW	4	b	29.62	— .29	62	61	— 1	S	4	o	*	b	≡	68	54	—
	Karlstad ...	29.60	61	SE	6	r	29.50	— .28	61	58	+ 1	S	4	o	*	r	≡	*	*	0.04
	Bodö																*			
	Christiansund ...	29.33	63	SE	2	o	29.33	— .16	57	56	— 1	N	1	r	1	o	≡	70	57	0.04
	Skudesnaes ...	29.36	61	S	4	o	29.39	— .02	62	57	o	WSW	4	c	4	o	*	63	54	*
	Færder (Christiania Fjord)	29.50	62	SSE	6	o	29.44	— .21	61	56	— 1	SW	6	b	3	o	≡	63	59	0.59
	Skagen (The Scaw)	29.50	62	SSW	4	r	29.48	— .17	59	57	— 3	SW	2	bc	0	r	≡	63	57	0.08
	Fanö	29.52	61	SW	4	c	29.46	— .08	59	57	o	WSW	4	c	*	c, tkr	≡	66	57	0.43
	Sumburgh Head	29.17	51	WNW	3	c	29.28	+ .11	55	53	o	W	2	b	3	c	*	57	47	0.91
	Stornoway ...	29.22	59	WNW	3	bc	29.30	+ .12	54	52	+ 2	WSW	3	o	4	bc	7.7	60	49	0.04
	Wick	29.26	53	L	o	o	29.36	+ .15	57	56	+ 2	NW	1	b	1	o	*	61	39	0.20
	Nairn	29.27	52	L	o	r	29.36	+ .16	53	50	— 2	SW	2	b	1	r	*	62	40	0.13
	Aberdeen ...	29.27	52	ESE	1	cp	29.38	+ .15	57	52	— 1	W	2	b	1	bcp, tkr	3.2	60	44	0.20
	Leith	29.28	60	SSW	1	o	29.39	+ .14	57	52	— 2	WSW	3	b	≡	o	*	66	51	0.05
	Shields	29.35	58	S	3	op	29.39	+ .09	54	53	— 6	SW	3	o	2	or	*	65	50	0.08
	Spurn Head ...	29.43	57	WSW	5	cpq	29.42	+ .01	59	57	— 3	WNW	6	c	5	cpq?	*	68	55	0.02
	York	29.46	58	S	1	c	29.45	+ .07	58	53	— 1	WSW	3	b	≡	c	9.1	66	49	0.03
	Loughborough ...	29.46	62	SW	3	bc	29.53	+ .06	57	54	— 3	W	5	c	≡	bc, cpq	*	68	54	0.02
British Islands.	Ardrossan ...	29.23	57	SSW	3	cp	29.42	+ .14	58	57	+ 3	SSW	3	b	2	cp	*	60	51	0.03
	Malin Head ...	29.24	55	NNW	2	bc	29.44	+ .19	56	56	+ 3	WSW	6	r	5	tkr, bc	*	61	52	0.23
	Belmullet ...	29.36	58	NNW	3	bcp	29.61	+ .37	56	54	— 1	NW	3	o	*	bcp	*	60	47	0.30
	Donaghadee ...	29.26	56	WSW	2	cp	29.48	+ .14	58	55	+ 2	W	4	bc	2	cp	*	63	50	0.07
	Liverpool (Bidston)	29.36	58	SW	3	r	29.51	+ .09	55	50	— 4	W	4	o	4	r	*	62	53	0.47
	Holyhead ...	29.31	57	SW	7	cpq	29.54	+ .13	57	55	o	W	4	c	4	cpqm	*	61	53	0.03
	Parsonstown ...	29.26	59	W	1	c	29.59	+ .23	57	55	+ 3	W	1	c	≡	cp. o	2.6	60	49	0.31
	Valencia ...	29.48	59	W	7	bcw	29.73	+ .34	57	53	o	WNW	6	c	6	bc	6.2	60	54	0.22
	Roche's Point ...	29.41	60	W	5	bc	29.68	+ .23	58	55	+ 1	WNW	5	bc	4	pq, bcw	*	62	52	0.10
	Pembroke (St. Ann's Hd.)	29.45	60	W	7	c	29.60	+ .10	58	57	— 1	NW	6	cq	5	c	8.4	62	55	0.04
	Scilly	29.62	61	WSW	6	cp	29.72	+ .11	60	56	— 1	WNW	5	cp	4	cp	10.2	66	56	0.02
	Prawle Point ...	29.61	59	WSW	6	c	29.70	+ .07	60	56	o	WSW	5	bc	4	cq	*	62	55	—
	Jersey (St. Aubin's)	29.73	64	WSW	6	bc	29.78	+ .07	60	58	— 3	W	5	cmqw	5	p, bc	*	66	56	0.18
	Hurst Castle ...	29.62	62	SW	6	cp	29.69	+ .09	62	59	— 2	WSW	5	bc	4	bc; cp	*	66	59	0.02
	Dungeness ...	29.59	63	WSW	7	cq	29.63	+ .05	63	58	o	WSW	6	bcq	5	bc, cq	*	67	58	0.02
	North Foreland	29.60	63	SSW	5	bcq	29.62	+ .04	61	57	— 3	SW	5	bcq	4	bcq	*	70	56	—
	London (Brixton) ...	29.56	62	WSW	3	bc	29.63	+ .07	60	55	— 5	WSW	3	bcr	*	bcp	8.8	71	55	0.07
	Oxford	29.53	59	SW	5	o	29.60	+ .06	58	54	— 2	W	3	bq	*	op	*	65	53	0.15
	Cambridge ...	29.53	60	SW	3	bc	29.56	+ .01	59	54	— 3	WSW	4	o	*	bc	9.0	70	54	—
	Yarmouth ...	29.51	65	WSW	3	bc	29.51	+ .02	60	55	— 4	W	5	cq	3	bc	*	70	55	0.01
Germany & Holland.	Cuxhaven ...	29.59	66	SW	4	b	29.56	— .08	58	56	— 1	SSW	5	c	*	b	*	68	55	0.32
	Berlin														*		*			
	Wiesbaden ...	*	*	*	*	*	29.81	— .08	61	59	+ 1	SW	2	bc	*	*	*	66	57	0.79
	Munich	29.98	60	L	o	c	29.99	— .07	60	58	+ 3	SW	2	o	*	c	*	72	57	0.04
	The Helder ...	29.56	64	SW	5	b	29.50	— .04	61	56	— 3	SW	6	bc	3	b	*	68	61	0.04
Belgium.	Brussels ...	*	*	*	*	*	29.73	+ .02	58	55	— 4	SW	5	c	*	b	*	69	54	0.71
	Cape Gris Nez ...	29.64	61	WSW	6	bc	29.63	+ .01	60	59	— 2	W	6	o	6	bc	*	64	54	0.43
	Paris	29.79	65	S	3	bc	29.85	+ .03	59	57	— 3	SW	2	b	*	bc	*	68	53	0.08
	Brest	29.77	62	WSW	4	bc	29.82	+ .10	59	57	— 2	W	3	c	3	bc	*	64	54	0.04
	Lorient	29.84	63	W	5	c	29.85	+ .06	60	59	— 3	W	5	c	5	c	*	68	50	0.04
France &	Rochefort ...	29.92	64	NW	4	o	29.89	— .06	64	63	— 4	NW	3	o	*	T. o	*	68	63	—
	Belfort	29.85	64	SW	1	o	29.88	— .07	59	59	o	W	3	r	*	o	*	68	58	0.55
	Lyons	29.89	75	S	1	b	29.91	— .10	68	63	+ 1	S	1	b	*	b	*	80	64	—
	Nice	29.98	70	SE	3	b	29.96	— .02	66	59	— 2	L	o	b	2	b	*	79	59	—
	Perpignan ...	29.97	75	NE	1	b	29.93	— .12	63	63	— 2	L	o	o	*	b	*	78	58	—
	Biarritz ...	29.98	71	W	3	o	29.90	— .05	66	63	+ 3	E	2	o	4	o	*	77	63	—
Peninsula.	Corunna ...														*		*			
	Lisbon	30.02	66	NW	6	b	30.05	— .01	66	61	— 4	N	4	c	*	b	*	82	66	—
	Azores (P. Delgada)	30.23	71	WNW	3	m	30.24	— .02	71	66	+ 1	NE	2	bc	2	m	*	75	66	—

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

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

Bright Sunshine yesterday Southport 8.5 hrs;

WEATHER CHARTS

FOR SUNDAY, 22ND AUGUST, 1897.

BAROMETER, WIND AND SEA.

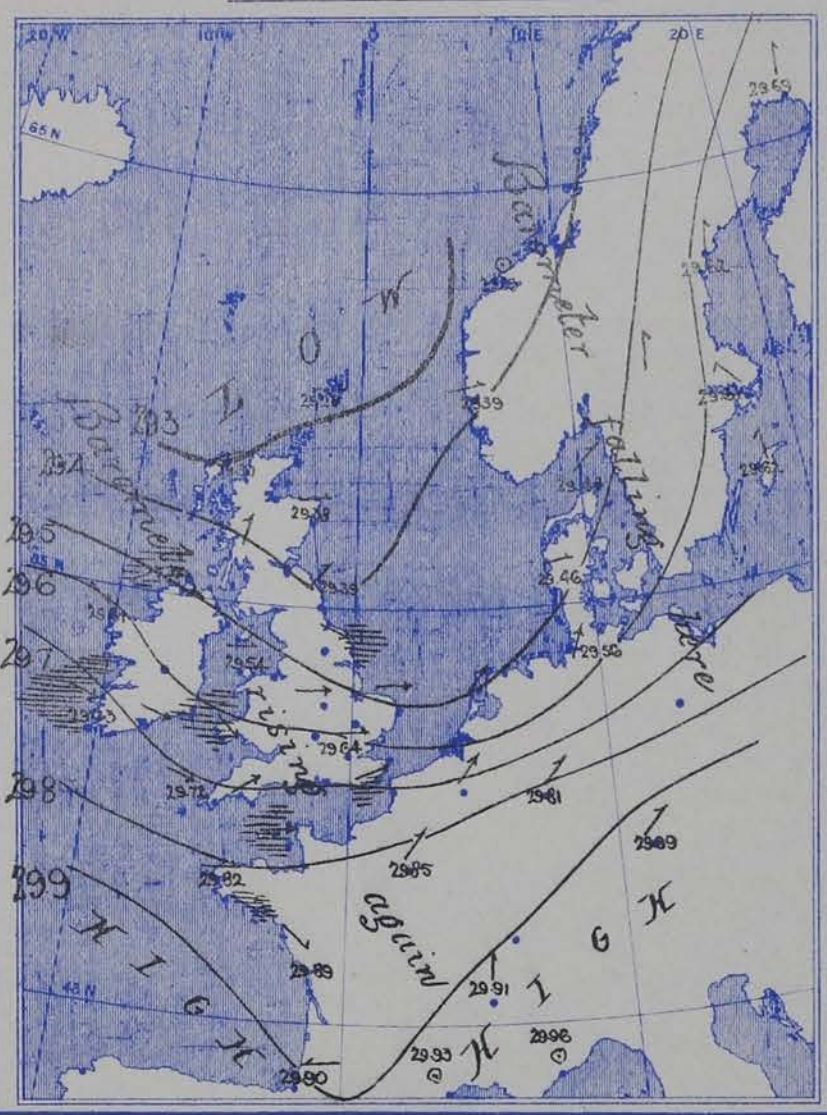
BAROMETER—Isobars are drawn for each tenth of an inch.

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 ▓


20 W
10 W
0
10 E
20 E
65 N
55 N
45 N
Barometer falling
Barometer rising
LOW
HIGH
Storm Centre
Storm Track
Gale Centre
Gale Warning
Fresh Gales
Strong Gales
Whole Gale
Hurricane
Depression
Anticyclone
Rain
Snow
Thunder
Fog
Hail
Sleet
Mist
Dew
Frost
Lightning
Aurora
Solar Halo
Lunar Halo
Lunar Corona
Waterspout
Meteor
Cirrus
Cirro-Cumulus
Cirro-Stratus
Nimbus
Cumulus
Stratus
Cumulo-Nimbus
Strato-Cumulus
Fair
Overcast
Wind Veering
Wind Backing
Wind Steady
Wind Variable
Wind Unsteady
Wind Squally
Wind Gusty
Wind Lulls
Wind Shifts
Wind Changeable
Wind Irregularly
Wind Changed
Wind Veering
Wind Backing
Wind Steady
Wind Variable
Wind Unsteady
Wind Squally
Wind Gusty
Wind Lulls
Wind Shifts
Wind Changeable
Wind Irregularly
Wind Changed
No rain here
Storm Warning has
Storm Warning has
Storm Warning has

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest. 30·24 in: at P Delgada (Azores) and exceeding 29·9 in: all over the Iberian Peninsula and the southern parts of France and Germany.
Lowest. Below 29·3 in: off our extreme northern coasts and the west of Norway.
Gradients very irregular owing to several very shallow local disturbances.
Barometer rising fast in the west and north, falling a little in the far east.

TEMPERATURE

Highest (1) 68° at Lyons, 66° at Lisbon and Nice, 61° at Wiesbaden, 60° at Jersey, Scilly, and in London (2) 63° to 60° over the eastern and southern parts of Scandinavia.
Lowest. 53° at Nairn, 54° at Shields and Malin Head, 55° at Holyhead
Maxima were recorded yesterday of 71° in London, 70° at Cambridge, Yarmouth, and the North Foreland: at over other stations they were lower and in the western parts of Ireland and Scotland they scarcely exceeded 60°. At Biarritz a maximum of 79° was recorded, at Lyons 80° and at Lisbon 82°.

WIND

Strong and squally from between WSW. and WNW. over England, Ireland and the Channel, strong from SW. over the Netherlands, moderate from the S. over Sweden. Light and variable from the W. over Scotland.
It blew a moderate to fresh gale from the W over the eastern half of the English Channel during the night.

WEATHER

Fair over Scotland and many parts of England and France, but not settled looking, dull elsewhere, with rain in some places – especially at Lyons, Brest and Jersey.
There has been raw during the preceding 24 hours except in the extreme north and extreme south of Europe, the amounts being large in the countries lying to the eastward of the North Sea (0·7 in: at Brussels). Hoar-frost and lightning had occurred at a few isolated stations.
Bright Sunshine recorded yesterday in more than 10 hrs at Scilly, about 9 hrs at York, Cambridge, London, Guilford to about 3 hrs at Aberdeen and Peterhead.

SEA

Rough in the south and southwest generally, and also at Spurn Head, moderate over the North Sea.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 23rd AUG: 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 ...	29.33	62	62	S	6	c	5
Sumburgh Head	29.12	53	53	W	3	r	3
Stornoway	29.20	59	54	WNW	3	bcp	3
Aberdeen	29.24	59	55	E	1	bcp	1
Shields	29.36	63	55	SW	2	c	2
Ardrossan	29.28	55	55	S	3	op	3
Malin Head ...	29.21	60	54	S	2	c	3
Belmullet	29.20	59	58	SE	1	bc	*
Holyhead	29.37	61	57	SW	7	cpq	6
Valencia	29.38	59	56	WSW	7	cpq	7
Scilly	29.62	65	62	WSW	6	cp	4
Jersey	29.73	66	59	WSW	5	bc	4
Hurst Castle ...	29.63	66	61	WSW	6	bcm	5
Dungeness ...	29.61	65	62	SW	5	bc	4
North Foreland	29.60	67	62	SSW	5	bc	4
London (Westminster)	29.55	70	59	WSW	4	bcv	*
Yarmouth ...	29.52	68	66	WSW	5	bc	4
Rochefort ...	29.95	66	64	WSW	5	r	*

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

Weather in morning fair and bright over the southwestern, southern, and many parts of eastern and northern Europe; very changeable and showery again over the British Islands and the northern half of France (especially over Ireland and the west of England). Rain falling later over the whole of the British Islands, the northern parts of France and Germany, over Norway and the south of Sweden; thunder and lightning at Malin Head and on the northeastern coast of Great Britain.

Temperature rises somewhat over France and England, falls over Southeastern Europe and north Germany. Morning readings highest 79° at Brindisi, 78° at Barcelona, and exceeding 70° over the southern half of the Mediterranean generally and the eastern shores of the Adriatic, exceeding 60° over all but the most northern parts of Continental Europe, 65° in London. Lowest 50° at Haparanda, 52° at Stornoway, 53° at Malin Head, 55° at Ardrossan and Nairn, 59° at York. Rising later to between 71° and 76° in the extreme southeast of England, to 72° at Munich and Wiesbaden, and 78° to 80° in the south of France, but not exceeding 63° at Paris.

Winds very light and variable over southern, central, and eastern Europe — fresh to strong over the northwestern countries, and blowing from the SW^ly over Ireland, England, and the Channel, and from between S. and SE. (strong) over the countries lying to the eastward of the North Sea; SW^ly and W^ly over northern Europe. Veering W^wd over Ireland and England later and still blowing strongly.

Barometer highest 30·26 ins: over the Azores, and ranging from 30·0 ins: to 29·85 ins: over southern, central, and Eastern Europe generally. Lowest below 29·2 ins: over the north of Scotland and the adjacent Islands. Gradients somewhat steep over England, Ireland and the north of France. Rising at over western and northern stations later, falling over northern, central, and Eastern Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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	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 ...	29.45	55	SW	0	c	29.43	-.26	55	55	-3	E	4	r	5	c	#	70	52	0.08
	Hernösand ...	29.49	59	E	2	o	29.30	-.32	59	58	-1	NE	2	f	#	o	#	64	55	0.91
	Stockholm ...	29.47	57	SW	2	b	29.46	-.15	58	55	-5	SW	2	o	#	b	#	68	55	0.16
	Wisby	29.55	62	S	4	o	29.55	-.07	61	56	-1	SSW	6	c	#	o.l	#	70	52	0.08
	Karlstad ...	29.50	58	SW	2	b	29.40	-.10	60	56	-1	W	2	o	#	r.b	#	#	#	-
	Bodö	29.42	64	SE	4	c	29.42		62	53		E	2	b	1	c	#	66	55	-
	Christiansund ...	29.43	56	NW	1	c	29.44	+.11	56	54	-1	SW	0	c	1	c	#	57	52	0.47
	Skudesnaes ...	29.40	50	SW	0	bc	29.49	+.10	57	54	-5	W	2	c	3	r.bc	#	62	52	#
	Færder (Christiania Fjord)	29.40	62	SSW	1	c	29.42	-.02	58	56	-3	NW	1	bc	2	c	#	64	55	-
	Skagen (The Scaw)	29.40	58	SW	2	o	29.47	-.01	60	57	+1	WNW	3	b	0	c	#	66	52	0.32
	Fanö	29.44	58	SW	6	c	29.60	+.14	59	56	0	W	5	b	#	c	#	64	55	0.12
	Sumburgh Head	29.33	57	W	2	bc	29.42	+.14	49	49	-6	NW	4	o	4	bc	#	60	48	0.35
	Stornoway ...	29.43	55	NE	4	o	29.55	+.25	51	50	-3	SW	0	o	0	p.o	1.1	61	40	0.01
	Wick ...	29.43	58	NW	1	o	29.56	+.20	52	51	-5	NNW	3	bc	1	b	#	61	44	0.11
	Nairn	29.39	56	WSW	1	r	29.58	+.23	52	49	-1	WSW	1	b	1	r	#	66	41	0.04
	Aberdeen ...	29.40	57	S	2	c	29.58	+.20	54	48	-3	WNW	2	bc	1	c.p	9.0	62	49	0.02
British Islands.	Leith	29.44	63	W	3	bc	29.56	+.17	60	57	+3	W	3	o	#	bc	#	69	53	-
	Shields	29.49	60	SW	3	qp	29.58	+.19	57	55	+3	SW	3	c	2	cp	#	65	53	0.02
	Spurn Head ...	29.53	61	W	5	c	29.64	+.22	58	57	-1	W	4	cqp	3	cq	#	64	54	-
	York	29.54	59	WSW	1	o	29.65	+.20	59	55	+1	W	2	c	#	bc.o	8.2	66	51	0.02
	Loughborough ...	29.63	62	W	3	c	29.72	+.19	57	53	0	W	3	c	#	cqp.o	#	67	53	0.01
	Ardrossan ...	29.47	59	SSW	3	qp	29.59	+.17	57	56	-1	SW	2	o	2	op	#	60	54	0.02
	Malin Head ...	29.54	55	WSW	5	oqp	29.59	+.15	54	51	-2	W	1	qp	3	oqp	#	56	52	0.06
	Belmullet ...	29.72	57	WNW	3	bc	29.63	+.02	54	53	-2	SSW	2	c	#	o.bc	#	58	51	0.02
	Donaghadee ...	29.58	58	WNW	4	c	29.67	+.19	55	53	-3	W	4	c	2	c	#	60	51	0.06
	Liverpool (Bidston)	29.61	58	W	5	o	29.69	+.18	55	51	0	WSW	3	o	2	op	#	61	55	0.02
	Holyhead ...	29.64	58	W	4	op	29.71	+.17	55	53	-2	WSW	3	oq	2	op	#	63	53	0.01
	Parsonstown ...	29.71	57	W	1	bc	29.69	+.10	55	51	-2	SW	1	o	#	cp	1.7	60	48	0.05
	Valencia ...	29.82	59	W	5	bc	29.68	-.05	56	55	-1	S	4	m	4	o.bc	2.5	60	52	0.03
	Roche's Point ...	29.78	59	WNW	4	c	29.77	+.09	57	55	-1	WSW	3	c	3	c	#	61	52	-
	Pembroke (St. Ann's Hd.)	29.72	59	NW	5	bc	29.77	+.17	57	53	-1	NW	4	o	4	bc	7.3	62	56	-
	Scilly	29.83	60	NW	4	c	29.83	+.11	60	56	0	SW	2	c	2	c	6.0	64	56	-
	Prawle Point ...	29.78	57	NW	4	o	29.83	+.13	56	53	-4	SW	3	o	3	c.o	#	64	52	0.01
	Jersey (St. Aubin's)	29.83	63	W	4	bc	29.87	+.09	59	56	-1	W	4	c	3	p.bc	#	65	55	0.03
	Hurst Castle ...	29.72	64	WSW	5	p	29.80	+.11	59	55	-3	WNW	3	o	2	p.b	#	66	57	0.03
	Dungeness ...	29.68	63	WSW	7	cq	29.76	+.13	59	57	-4	W	3	c	2	bq.cq	#	67	54	-
Germany & Holland.	North Foreland	29.67	65	SW	3	c	29.76	+.14	62	62	+1	W	3	c	2	bcqp	#	69	55	-
	London (Brixton) ...	29.66	65	WSW	3	bcr	29.77	+.13	58	55	-2	WNW	2	o	#	cp.br	9.8	69	54	0.01
	Oxford	29.70	58	WSW	3	b	29.77	+.17	56	53	-2	SW	2	op	#	b.c	#	65	51	0.02
	Cambridge ...	29.64	67	WSW	2	b	29.75	+.19	57	55	-2	SW	2	o	#	b	10.0	68	51	-
	Yarmouth ...	29.62	61	W	4	p	29.70	+.19	60	55	0	W	3	b	3	t.p	#	64	53	0.05
	Cuxhaven ...	29.57	59	WSW	5	r	29.67	+.11	58	56	0	SW	4	b	#	r	#	66	54	0.12
	Berlin	29.68	64	SW	2	b	29.78		60	55		W	1	c	#	b	#	72	55	-
	Wiesbaden ...	+	#	#	#	#	29.85	+.04	57	55	-4	SW	2	c	#	#	#	70	54	-
	Munich	29.87	62	NW	3	b	29.89	-.10	52	52	-8	NW	1	r	#	b	#	73	50	1.77
	The Helder ...	29.62	62	W	3	b	29.69	+.19	62	57	+1	W	4	bc	2	b	#	64	61	0.08
France & Belgium.	Brussels ..	#	#	#	#	#	29.79	+.06	58	55	0	WSW	4	b	#	b	#	66	52	0.04
	Cape Gris Nez.	29.69	60	W	5	c	29.75	+.12	59	57	-1	WNW	3	bc	4	c	#	63	54	0.43
	Paris	29.82	63	SW	1	o	29.88	+.03	57	56	-2	SW	1	bc	#	o	#	68	53	0.04
	Brest ...	29.85	62	W	2	c	29.89	+.07	59	55	0	WSW	3	c	2	c	#	64	52	-
	Lorient... ...	29.89	61	WNW	5	c	29.93	+.08	57	55	-3	W	2	c	5	c	#	68	54	-
	Rochefort ...	29.98	65	NW	3	o	30.00	+.04	60	58	-4	W	1	c	#	o	#	66	55	-
	Belfort ...	29.86	56	SW	2	r	29.89	+.01	55	54	-4	W	1	m	#	r	#	65	51	0.28
	Lyons ...	29.88	58	NNE	1	r	29.94	+.03	57	55	-11	NW	1	r	#	r.t	#	80	55	2.09
	Nice	29.88	67	NE	0	o	29.75	-.21	67	57	+1	W	1	c	o	o.l	#	79	64	-
	Perpignan ...	29.82	72	WSW	2	o	29.93	.00	65	57	+2	NW	3	b	#	o.ltr	#	77	59	0.28
	Biarritz ...	29.99	62	NW	4	r	30.00	+.10	62	59	-4	E	3	o	4	r	#	70	55	0.87
Peninsula.	Corunna ...																#			
	Lisbon	30.09	64	NNW	4	b	30.08	+.03	66	56	0	N	5	b	#	b	#	75	61	-
	Azores (P. Delgada)	30.30	68	NNE	2	b	30.26	+.02	71	67	0	NNE	1	c	2	b	#	77	66	-

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

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

Bright Sunshine yesterday Southport 4.4 hrs;

WEATHER CHARTS

FOR Monday, 23rd August, 1897.

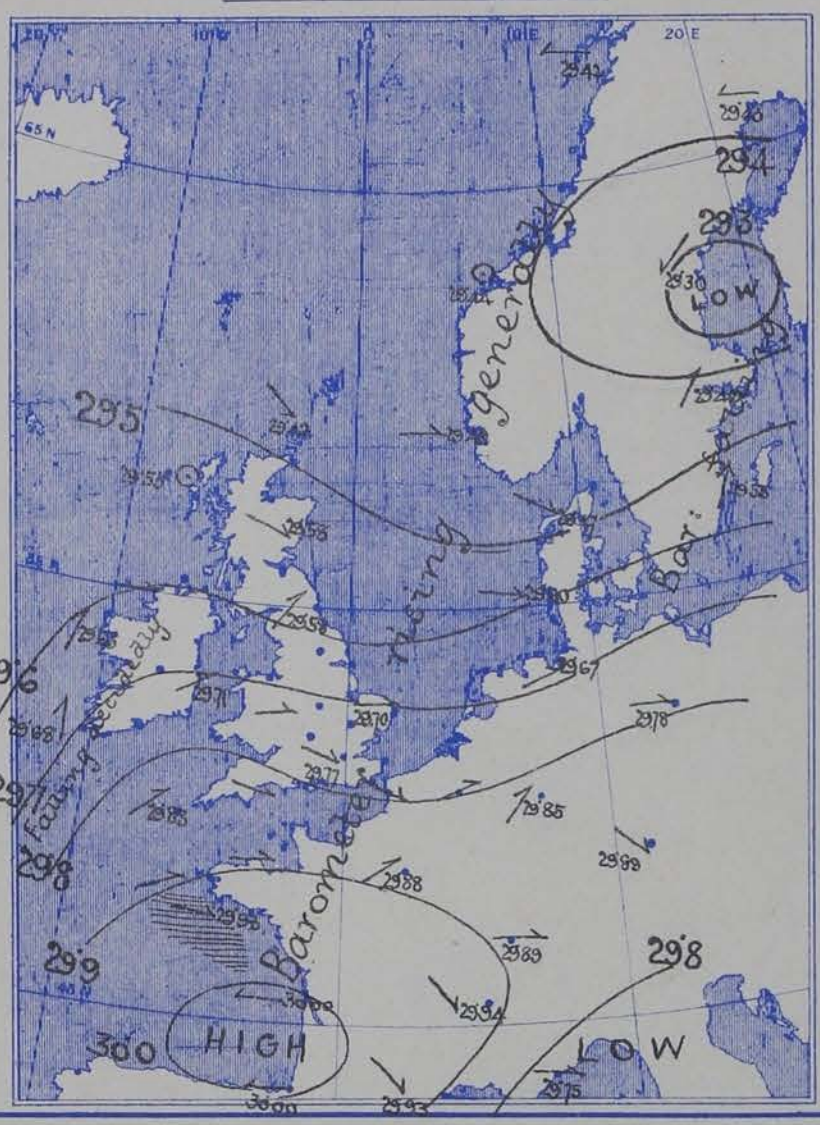
BAROMETER, WIND AND SEA.

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*

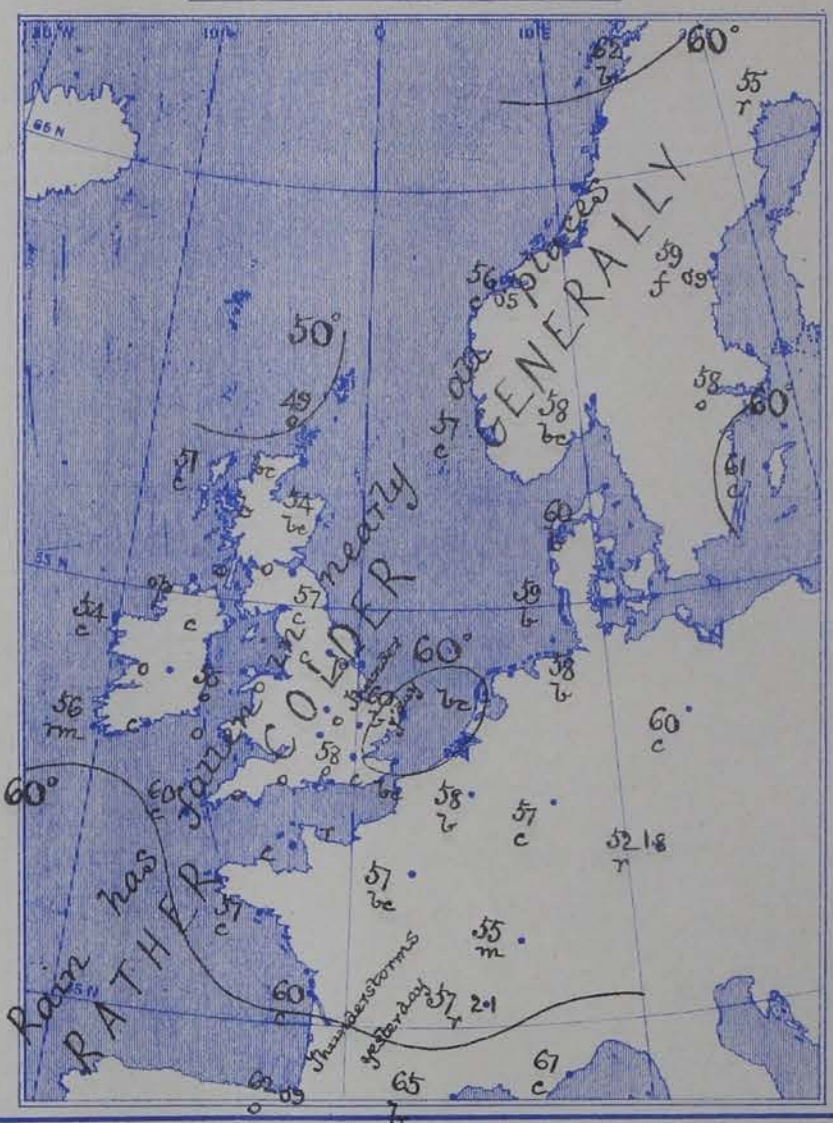


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	--
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	--
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 more to 29·8 ins: over France, south Germany, and the extreme southwest of England.
Lowest, 29·3 ins: and less to 29·4 ins: over the central parts of Sweden and Finland.
Gradients slight in the north, moderate elsewhere, and mainly favourable for W. winds, but changing (for increasing S. winds) in the extreme west.
Barometer falling decidedly since midnight at Valencia, but rising a little over England.

TEMPERATURE

Highest, 67° at Nice, 62° at Biarritz, 60° at Scilly and Leith, 59° at Jersey and York, 58° in London; 60° at Karlstad.
Lowest, 49° at Limerick Wd, 51° at Stornoway, 52° at Wick, 54° at Malin Hd and Belmullet.
The highest of the maxima recorded over our Islands yesterday were all below 70°, and those in the north of Ireland were below 60°.
The night minima were as low as 51° at Oxford, Cambridge, Yarmouth, Belmullet, and Donaghadee.

WIND

Has backed to S. again in the extreme west of Ireland and is freshening; over England it is W. (NW to SW), while over the Baltic it is SW., and in Denmark W.
The strong wind in the Straits of Dover has subsided.

WEATHER

Still slightly showery in some parts of Germany, France, and England, and at Valencia it has become rainy again.
Showers have fallen at almost all our own stations, and at some of the Continental stations heavy falls have occurred — e.g. 2·1 ins: at Lyons, and 1·8 ins: at Munich. Thunder occurred at Yarmouth yesterday.
Bright Sunshine recorded yesterday was slight at our most western and northwestern stations, but amounted to 7·3 hours at Pembroke, 9 hrs at Aberdeen, and 9·8 hrs in London.

SEA

Moderate off our southwest coasts, but inclined to rise, smooth or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression is advancing towards our western coasts from the Atlantic, and is likely to cause strong squally winds from S. and SW. in those regions and rain. The rain, with gusty winds will probably spread over England later.

FORECASTS

For the 24 hours ending at NOON on 24TH AUG: 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. to S. winds, freshening, with rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW. to SW. breezes, light; fine and warmer; then dull, rainy and unsettled.
6	SCOTLAND WEST	SW. and S. winds, strong to a gale; squally, rainy, unsettled.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 10·15 am today to districts 6 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	29.89	54	53	NNW	5	1	2
Sumburgh Head							
Stornoway	29.88	57	55	WSW	4	0	4
Aberdeen							
Shields							
Arbrossan							
Malin Head	29.89	56	54	WSW	5	0 q p	5
Belmullet	29.72	57	53	NW	3	0	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29.82	63	59	W	5	bc	4
Hurst Castle							
Dungeness	29.66	66	62	WSW	7	b	6
North Foreland	29.66	69	64	SW	5	bc	4
London (Westminster)							*
Yarmouth							
Rochefort	29.97	66	63	NNW	3	0	*

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

Continental Information not received.

SUMMARY of CHANGES IN THE WEATHER over the BRITISH ISLANDS and their NEIGHBOURHOOD from the 15th to the 23rd AUGUST 1897.

In the course of this week the passage of primary depressions from southwest to northeast over the northern parts of our area, and of secondary systems over the more southern portions has been continued, with the result that there has been an alternation of winds from the S^ed, veering to W. and at times to NW., and then backing again over the British Islands generally and the Channel. There winds have been accompanied by frequent and considerable falls of rain, while on Wednesday and Thursday sharp thunderstorms were reported over all the southern, the eastern, and northeastern counties.

Temperature has varied a great deal. On some days the maxima recorded in the screen have ranged from 70° to 75° at most stations over England, but on others they have failed to touch 70° except at some isolated stations; the nights, too, have been sometimes warm, sometimes cool, but the diurnal range has been small.

At the close of the week there changes were still in progress.

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 Tuesday 24th August, 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 ...	29.46	58	S	2	r	29.45	+ .02	57	56	+ 2	S	4	r	*	r	*	61	48	0.55
	Hernösand ...	29.45	58	SW	2	r	29.62	+ .32	57	52	— 2	SW	2	b	*	o	*	68	52	—
	Stockholm ...	29.65	58	SW	1	bc	29.75	+ .29	59	56	+ 1	Z	o	o	*	bc	*	66	54	0.08
	Wisby	29.73	62	W	4	b	29.81	+ .26	62	59	+ 1	W	6	bc	*	b	*	66	55	—
	Karlstad ...	29.61	59	WSW	4	b	29.71	+ .31	59	55	— 1	SW	4	r	*	b	*	*	*	—
	Bodo	29.42	57	Z	o	b	29.49	+ .07	52	52	— 10	W	5	r	3	b	*	66	52	0.16
	Christiansund ...	29.52	57	N	2	c	29.61	+ .17	55	53	— 1	WNW	2	o	3	c	*	59	52	—
	Skudesnaes ...	29.59	56	WSW	2	r	29.73	+ .24	55	53	— 2	NW	2	o	2	c, r	*	59	52	*
	Færder (Christiania Fjord)	29.56	63	WSW	6	b	29.68	+ .26	58	56	o	SW	4	b	3	b	*	64	57	—
	Skagen (The Scaw)	29.71	57	W	1	b	29.76	+ .29	59	56	— 1	WSW	1	b	o	b	*	64	52	—
	Fanö ...	29.72	60	WSW	4	c	29.80	+ .20	60	58	+ 1	W	4	c	*	c	*	66	59	?
BRITISH ISLANDS.	Sumburgh Head	29.56	49	NNW	2	o	29.72	+ .30	52	47	+ 3	S	1	b	3	o	*	52	45	—
	Stornoway	29.56	57	S	2	o	29.63	+ .08	51	55	+ 6	E	2	bc	2	o	3.4	57	46	0.02
	Wick	29.63	54	Z	o	b	29.71	+ .15	55	54	+ 3	SE	3	o	2	b	*	58	45	0.03
	Nairn	29.59	56	E	2	c	29.66	+ .08	53	51	+ 1	Z	o	bc	1	c	*	63	43	—
	Aberdeen ...	29.64	53	SSE	2	og	29.70	+ .12	58	55	+ 4	E	2	bc	2	bc, og	.72	60	53	—
	Leith	29.59	58	Z	o	c	29.63	+ .07	56	53	— 4	S	1	c	*	c	*	66	50	—
	Shields	29.64	59	WSW	2	op	29.64	+ .06	57	55	o	SSE	3	o	2	c, op	*	66	52	—
	Spurn Head ...	29.68	59	WSW	5	o	29.66	+ .02	60	59	+ 2	SSE	4	c	4	o	*	62	55	—
	York	29.68	61	W	2	c	29.64	— .01	58	55	— 1	ESE	1	c	*	c	3.6	63	53	—
	Loughborough ...	29.73	60	SW	2	o	29.63	— .09	57	56	o	SE	2	om	*	c, omp	*	63	54	0.07
	Ardrossan ...	29.59	57	S	1	o	29.58	— .01	56	56	— 1	NNE	3	em	2	o	*	59	49	0.12
	Malin Head ...	29.50	57	SSE	4	op	29.53	— .06	56	55	+ 2	SE	5	ep	4	op	*	61	52	0.03
	Belmullet ...	29.48	58	WSW	2	c	29.56	— .07	59	57	+ 5	WSW	1	o	*	or, c	*	59	54	0.25
	Donaghadee ...	29.59	57	S	5	c	29.55	— .12	56	56	+ 1	SE	4	o	2	c	*	62	53	0.08
	Liverpool (Bidston)	29.67	59	SW	1	o	29.55	— .14	57	55	+ 2	SE	2	o	?	o, p	*	60	54	0.06
	Holyhead ...	29.63	57	S	5	rmg	29.52	— .19	57	56	+ 2	E	1	c	1	o, rmg	*	61	53	0.34
	Parsonstown ...	29.49	58	Z	o	r	29.56	— .13	55	53	o	Z	o	bc	*	c, p, r	1.5	60	48	0.26
	Valencia ...	29.50	60	SW	3	c	29.53	— .15	56	53	o	NNE	2	c	4	r, c	1.4	61	49	0.28
	Roche's Point ...	29.55	59	W	4	c	29.51	— .26	57	55	o	NW	2	c	3	p, c	*	60	52	0.20
	Pembroke (St. Ann's Hd.)	29.64	59	SW	6	o	29.49	— .28	57	56	o	SW	3	o	4	o, r	0.6	61	55	0.51
	Scilly	29.66	61	SSW	5	r	29.50	— .33	62	59	+ 2	W	3	ep	4	c, r	3.0	65	55	0.26
	Prawle Point	29.71	59	SSW	3	o	29.56	— .27	55	54	— 1	SSW	3	or	3	ep, rq	*	63	53	0.54
	Jersey (St Anbin's)	29.86	63	SW	3	c	29.66	— .21	63	60	+ 4	SW	5	c	4	c, og	*	65	56	0.16
	Hurst Castle ...	29.82	64	WSW	4	o	29.60	— .20	62	61	+ 3	SSW	5	ep	3	o	*	65	59	0.03
	Dungeness ...	29.79	62	WSW	5	c	29.72	— .04	61	59	+ 2	SSW	5	o	4	c	*	67	59	—
	North Foreland	29.80	62	SW	2	o	29.74	— .02	60	57	— 2	SE	4	bc	3	c, o	*	65	55	—
	London (Brixton) ...	29.77	61	WSW	2	o	29.67	— .10	62	58	+ 4	SSW	3	c	*	o, c, bv	2.0	65	54	—
	Oxford	29.76	58	S	2	o	29.60	— .17	58	57	+ 2	SE	3	op	*	o	*	62	55	0.11
	Cambridge ...	29.76	60	SW	1	o	29.68	— .07	60	57	+ 3	S	1	og	*	o	0.2	63	52	—
	Yarmouth ...	29.74	61	WSW	3	bc	29.72	+ .02	60	58	o	S	4	c	3	bv, bc	*	64	54	—
GERMANY & HOLLAND.	Cuxhaven ...	29.75	61	W	2	c	29.83	+ .16	58	57	o	SW	2	b	*	o, p	*	64	55	0.08
	Berlin	29.81	63	Z	o	b	29.88	+ .10	61	57	+ 1	WNW	2	c	*	b	*	70	57	—
	Wiesbaden ...	*	*	*	*	*	29.95	+ .10	56	54	— 1	SW	1	bc	*	*	*	68	52	—
	Munich	30.00	53	W	2	r	30.02	+ .13	57	54	+ 5	W	4	c	*	r,	*	?	52	1.02
	The Helder ...	29.76	62	W	1	c	29.80	+ .11	59	57	— 3	SSE	1	r		c	*	66	57	—
BELGIUM.	Brussels ...	*	*	*	*	*	29.86	+ .07	57	54	— 1	SSE	4	o	*	b	*	67	49	0.16
	Cape Gris Nez	29.82	60	WSW	4	c	29.76	+ .01	57	55	— 2	S	3	bc	3	c	*	64	52	—
	Paris	29.91	61	W	2	bc	29.88	.00	56	54	— 1	SW	2	b	*	bc	*	68	53	—
	Brest	29.79	61	SSW	4	o	29.64	— .25	61	59	+ 2	WSW	4	r	3	o	*	64	55	0.42
	Lorient ...	29.89	61	SW	5	c	29.72	— .21	61	59	+ 4	WSW	4	bc	5	c	*	68	52	—
FRANCE &	Rochefort ...	30.03	64	NNW	4	o	29.93	— .07	64	63	+ 4	SW	5	bc	*	o	*	70	60	0.24
	Belfort	29.92	55	?	2	o	29.96	+ .07	52	50	— 3	Z	o	m	*	o	*	61	46	0.04
	Lyons ...	29.97	60	NNW	1	c	29.97	+ .03	62	54	+ 5	SW	1	c	*	c	*	65	50	—
	Nice	29.66	73	Z	o	b	29.83	+ .08	67	60	o	Z	o	b	o	b	*	81	61	—
	Perpignan ...	29.97	70	N	3	c	29.98	+ .05	66	59	+ 1	SW	1	c	*	c	*	75	61	—
	Biarritz ...	30.00	66	NW	2	r	29.92	— .08	62	59	o	SSE	2	b	2	r	*	72	57	0.04
PENINSULA.	Corunna ...																*			
	Lisbon	30.08	64	NNW	3	b	30.06	— .02	66	60	o	N	4	c	*	b	*	73	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 0.9 hrs;

WEATHER CHARTS

FOR TUESDAY, 24TH AUGUST, 1897.

BAROMETER, WIND AND SEA.

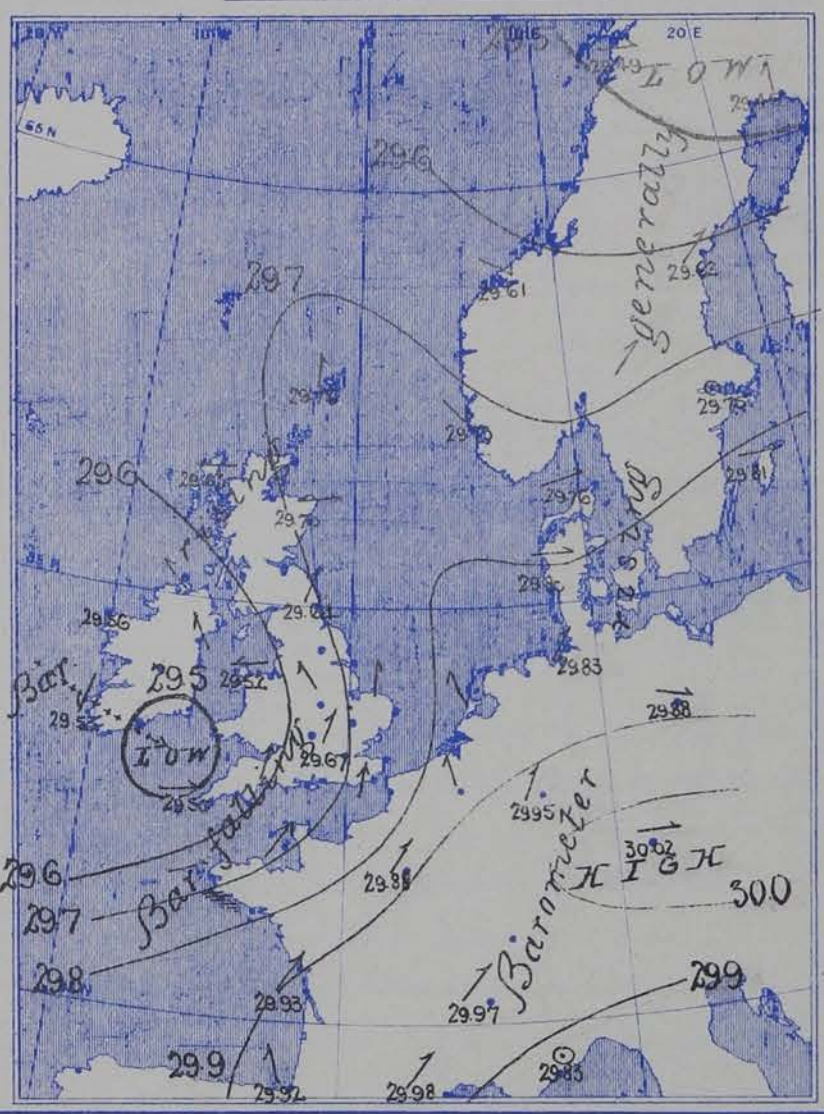
BAROMETER—Isobars are drawn for each tenth of an inch.

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


LOW
Barometer
HIGH
Barometer
Barometer
Barometer

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and more to 29.9 ins. over Germany and the central and S. parts of France
Lowest 29.5 ins. and less (1) over Lapland generally, and (2) in a small, well-marked depression lying over the mouth of St. George's Channel.
Gradients somewhat steep over the S. of our Islands and the N. of France, slight elsewhere and irregular.
Barometer falling in the S. and SE., rising over Ireland, Scotland and Scandinavia.

TEMPERATURE

Highest 67° to 62° at the S.W. of the French stations, 62° at Scilly, Hurst Castle, in London & at Wisby.
Lowest 52° at Bodø, Sumburgh Hd. and Belfort, 53° at Nairn, 55° at Parsonstown.
The maxima recorded over our Islands yesterday did not exceed 67° at any station; in many places they were but little above 61° and at Belmullet and Ardrossan the maximum was 59°.

WIND

Fresh from between SW. and S. over the English Channel and the southern and eastern parts of England, SE. ¼ over the northern parts of England and Ireland, N. ¼ to NW. ¼ and light over the south of Ireland.
In Scotland they were light from E., and in Scandinavia from between W. and S.

WEATHER

Cloudy and changeable over Scandinavia, fine over Scotland, fair over Ireland, very dull changeable and showery over England and Brittany, but fine over the S. and E. of France.
Rain has fallen over nearly the whole of France, Ireland and England, the largest amount reported being half an inch at Pembroke. At Munich another heavy fall (1.0 in.) was reported. Bright Sunshine recorded yesterday was greatest (7.2 hrs.) at Aberdeen, least (0.2 hr.) at Cambridge.

SEA

Moderate on our SW., S. and SE. coasts, slight to smooth in the north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression is moving SE. wd. and in its rear N. ¼ to E. ¼ winds are likely to become general, with a very cool night.

FORECASTS

For the 24 hours ending at NOON on 25TH AUGUST. 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. ¼ winds, moderate; fine.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SE. ¼ to E. ¼ winds moderate to fresh, rainy then fair.
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	Same as No. 2.
5	ENGLAND SOUTH	SE. ¼ to E. ¼ winds, freshening, rainy.
6	SCOTLAND WEST	Same as No. 0 and 1.
7	ENGLAND N.W.	E. ¼ and NE. ¼ winds, moderate, fair.
8	ENGLAND S.W.	SW. ¼ to NW. ¼ winds; rainy to fair, colder.
9	IRELAND NORTH	N. ¼ winds, some showers, then fair; cold tonight.
10	IRELAND SOUTH	
	WARNINGS	At 11 am to districts 6 to 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.		BAR.	THER. Dry.	THER. Wet.	WIND Direc.	F.	WEA.	SEA.
[illegible]	29.53	59	57	WNW	4	c	2	Valencia	29.55	61	58	SW	4	c	4
[illegible] Head	29.52	51	48	NNW	3	o	4	Scilly	29.76	64	60	SSW	5	c	3
[illegible] way	29.56	51	52	S	2	o	1	Jersey	29.89	62	57	W	5	c	4
[illegible]	29.61	57	51	SSE	2	bc	1	Hurst Castle ...	29.82	64	60	WSW	4	o	2
[illegible]	29.62	63	56	WSW	3	c	2	Dungeness ...	29.78	66	61	WSW	5	c	4
[illegible]	29.61	57	56	S	2	o	2	North Foreland	29.79	62	60	W	2	c	2
Malin Head ...	29.55	58	53	NW	2	o	2	London (Westminster)	29.77	65	64	W	2	o	*
[illegible]mulet	29.52	57	56	SSE	4	or	*	Yarmouth	29.73	63	54	W	3	bv	2
[illegible]head	29.69	60	55	SW	3	o	2	Rochefort ...	30.03	66	64	NW	3	o	*

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

Weather in morning very fine and bright over SE^rn Europe, fair over the greater part of the Mediterranean (but rainy at Leghorn), fine and bright over Spain, and also in Scotland; changeable and showery over various parts of Ireland, England and the N. of France, cloudy over N. Germany, very rainy over S. Germany. Rain falling later in moderate quantities over Ireland, England and the W. and N. of France, as well as at some stations in N^rn Europe; a further heavy fall (1·0 ins.) at Munich.

Temperature falls over central, rises over N^rn Europe. Morning readings highest ? 89° at La Calle, 79° at Algiers, 77° at Constantinople and Athens, 75° at Leghorn; 66° at Memel, 62° at the Helder, 60° at Scilly. Lowest 49° at Sumburgh Hd., 51° at Stornoway, 52° at Nairn, 54° at Malin Hd., 55° at Haparanda. Rising later to between 59° and 63° in the S. and E. of Scotland to a little above 60° over Ireland, and to between 61° and 67° over England, and touching 68° at Paris, 70° at Berlin, and 81° at Nice.

Wind (1) light and very variable (mainly anticyclonic over SW^rn and SE^rn Europe) light also over central Europe, fresh and very variable at most of the Continental stations; (2) NW. to SW. (cyclonic) and of moderate strength over the British Islands and N^rn Europe, and S. moderate, but freshening, in the extreme W. of Ireland. Backing later to SW. over the southern parts of our Islands and to SSE. in Scotland, and freshening in the former regions.

Barometer highest 30·1 ins. to 29·9 ins. in an anticyclone covering the S. of Russia, Turkey and the S. of Italy, and exceeding 30·0 ins. in other and rather complex systems over SW^rn Europe and the adjacent parts of the North Sea. Lowest 29·3 ins. and less in an ill formed depression lying over N^rn Europe and having its centre near Hernösand; and below 29·7 ins. off the W. of Ireland. Falling decidedly over Ireland and the SW. of England during the day, rising over Scotland and Norway.

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, 25th August, 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 ...	29.85	59	W	4	o	29.80	+.35	57	52	o	WSW	4	b	*	o	*	61	54	-
	Hernösand ...	29.79	53	NW	o	b	29.96	+.34	57	52	o	N	2	b	*	b	*	68	50	0.08
	Stockholm ...	29.88	59	NW	o	b	29.97	+.22	59	56	o	WSW	2	b	*	b	*	68	50	-
	Wisby	29.91	60	W	4	bc	30.00	+.19	62	58	o	N	4	b	*	bc	*	66	55	-
	Karlstad ...	29.87	59	SW	2	b	29.98	+.27	58	55	-1	SE	2	b	*	b	*	*	*	-
	Bodö	29.67	55	SW	4	o	29.83	+.34	51	50	-1	SW	6	o	3	o	*	55	51	0.24
	Christiansund ...	29.84	54	WNW	2	f	29.98	+.37	54	50	-1	SW	2	c	3	f	*	59	52	0.04
	Skudesnaes ...	29.89	54	NW	o	b	29.95	+.22	56	52	+1	NE	2	b	1	b	*	59	46	*
	Færder (Christiania Fjord)	29.82	61	SW	4	b	29.92	+.24	60	58	+2	WNW	1	b	3	b	*	64	57	-
	Skagen (The Scaw)	29.90	60	W	1	b	29.95	+.29	59	56	o	WSW	1	b		b	*	70	52	-
	Fanö	29.89	56	NW	o	b	29.91	+.11	57	56	-3	W	4	c	*	b	*	68	55	-
British Islands.	Sumburgh Head	29.80	53	SE	1	b	29.87	+.15	57	54	+5	SE	2	b	3	b	*	57	50	-
	Stornoway ...	29.70	63	E	3	b	29.75	+.12	54	54	-3	NW	0	f	0	b	11.3	66	47	0.01
	Wick	29.83	55	SE	4	o	29.86	+.14	56	56	+1	SE	3	c	2	o	*	59	52	-
	Nairn	29.70	63	NW	o	bc	29.80	+.14	57	55	+4	NW	o	b	o	bc	*	64	46	-
	Aberdeen ...	29.77	55	SE	2	b	29.84	+.14	56	56	-2	E	1	of	2	bc.b	7.2	60	48	-
	Leith	29.67	60	ENE	3	c	29.76	+.13	58	57	+2	NE	3	o	*	c	*	65	55	0.07
	Shields	29.68	57	SE	3	c	29.72	+.08	57	57	o	NE	2	r	3	c.p	*	61	55	0.22
	Spurn Head ...	29.62	60	ESE	5	cqp	29.67	+.01	61	61	+1	ESE	2	cp	3	pkl	*	65	57	0.31
	York	29.62	60	E	1	o	29.68	+.04	59	57	+1	E	1	o	*	o	0.6	65	55	0.42
	Loughborough ...	29.61	62	SE	1	c	29.68	+.05	58	53	-4	NNW	1	ofw	*	cptl.m	*	67	51	0.28
	Ardrossan ...	29.64	62	NNE	2	of	29.72	+.14	60	58	+4	NNE	3	cm	1	cf.of	*	65	54	-
	Malin Head ...	29.62	59	N	4	bc	29.71	+.18	60	57	+4	NE	2	bw	2	o.bc	*	60	54	-
	Belmullet ...	29.66	62	NE	1	b	29.73	+.17	58	57	-1	ENE	1	b	*	bc.b	*	63	57	0.01
	Donaghadee ...	29.63	60	N	3	o	29.72	+.17	61	59	+5	NE	3	bc	1	o	*	61	55	0.07
	Liverpool (Bidston)	29.57	58	SSE	1	r	29.67	+.12	57	55	o	W	o	c	?	tlr.p	*	66	52	0.05
	Holyhead ...	29.57	59	NW	2	ctq	29.68	+.16	60	59	+3	E	1	bm	1	ctqp	*	63	54	0.03
	Parsonstown ...	29.66	59	W	o	b	29.73	+.17	53	52	-2	W	o	m	*	c.p.f	4.9	63	47	0.10
	Valencia ...	29.68	60	NW	4	bc	29.75	+.22	59	57	+3	W	1	o	2	bcv	9.9	62	50	-
	Roche's Point ...	29.63	61	NNW	3	bcp	29.77	+.26	57	54	o	N	2	b	2	p.bc	*	62	52	0.15
	Pembroke (St. Ann's Hd.)	29.56	60	NW	2	bc	29.68	+.19	59	58	+2	WNW	3	gp	4	bc	8.9	63	55	0.01
	Scilly	29.61	60	NW	5	cp	29.75	+.25	60	58	-2	NW	4	cp	3	op.cp	4.3	64	56	0.51
	Prawle Point ...	29.52	57	SSW	3	c	29.72	+.16	57	55	+2	WNW	3	bc	3	p.c	*	61	51	0.45
	Jersey (St. Aubin's)	29.60	64	SSW	5	c	29.74	+.08	62	58	-1	W	4	bc	3	tlr.p	*	67	57	0.68
	Hurst Castle ...	29.60	62	SSW	3	c	29.69	+.09	58	57	-4	NW	2	cm	2	p.c	*	67	55	0.21
	Dungeness ...	29.65	61	S	4	rtq	29.64	-.08	60	59	-1	S	2	r	1	op.q.tlr	*	66	56	0.15
	North Foreland	29.66	60	SE	4	r	29.65	-.09	62	59	+2	SE	3	ctl	3	o.tlr	*	66	57	0.28
	London (Brixton) ...	29.61	60	S	2	cp	29.66	-.01	58	56	-4	NE	2	ogm	*	or.bcw	1.5	67	52	0.34
	Oxford	29.62	57	SE	2	o	29.68	+.08	54	54	-4	N	1	od	*	c.op	*	66	51	0.26
	Cambridge ...	29.63	61	SSW	1	tp	29.68	.00	55	55	-5	ESE	1	f	*	tlr	3.1	68	50	0.19
	Yarmouth ...	29.66	63	SSE	5	pq	29.67	-.05	61	59	+1	SE	4	c	4	bc.qp	*	65	56	0.12
Germany & Holland.	Cuxhaven ...	29.87	61	NE	1	o	29.87	+.04	59	56	+1	SSE	2	c	*	o	*	68	55	-
	Berlin	29.92	66	W	o	b	29.95	+.07	62	57	+1	SE	2	b	*	b	*	73	57	-
	Wiesbaden ...	*	*	*	*	*	29.88	-.07	59	56	+3	SE	1	o	*	*	*	70	52	-
	Munich	30.01	54	E	3	b	30.01	-.01	54	53	-3	SW	2	b	*	b	*	64	46	-
	The Helder ...	29.80	63	SE	1	b	29.76	-.04	61	58	+2	SE	2	c	1	b	*	68	59	0.04
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez..	29.67	59	W	2	r	29.65	-.11	59	57	+2	S	3	bc	3	r	*	66	54	0.59
	Paris	29.79	61	S	2	r	29.79	-.09	58	56	+2	SW	3	bc	*	r	*	69	56	0.12
	Brest	29.61	61	W	5	c	29.80	+.16	59	57	-2	W	1	bc	2	c	*	63	52	0.24
	Lorient... ...	29.69	63	W	6	r	29.83	+.11	59	58	-2	WNW	4	b	5	r	*	68	57	0.04
France &	Rochefort ...	29.90	66	W	4	bc	29.91	-.02	64	62	o	NW	4	bc	*	bc	*	70	55	0.71
	Belfort	29.89	62	W	o	bc	29.91	-.05	51	51	-1	W	o	r	*	bc	*	69	53	0.24
	Lyons	29.91	65	ESE	1	b	29.97	.00	62	58	o	S	1	c	*	b	*	71	57	0.08
	Nice	29.88	68	SW	2	c	29.91	+.08	63	57	-4	E	1	b	2	c	*	79	59	-
	Perpignan ...	29.92	70	NE	2	bc	30.00	+.02	65	62	-1	W	o	o	*	bc	*	74	57	-
	Biarritz ...	29.95	69	W	4	o	30.00	+.08	65	62	+3	WSW	5	r	4	o	*	77	61	0.20
Penin-sula.	Corunna ...																*			
	Lisbon	30.11	65	N	4	b	30.12	+.06	66	60	o	N	4	b	*	b	*	77	63	-
	Azores (P. Delgada)	30.29	72	SE	1	c	30.25		71	67		W	o	b	2	c	*	77	66	-

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

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

Bright Sunshine yesterday Southport 3.5 hrs;

WEATHER CHARTS

FOR Wednesday, 25th August, 1897.

BAROMETER, WIND AND SEA.

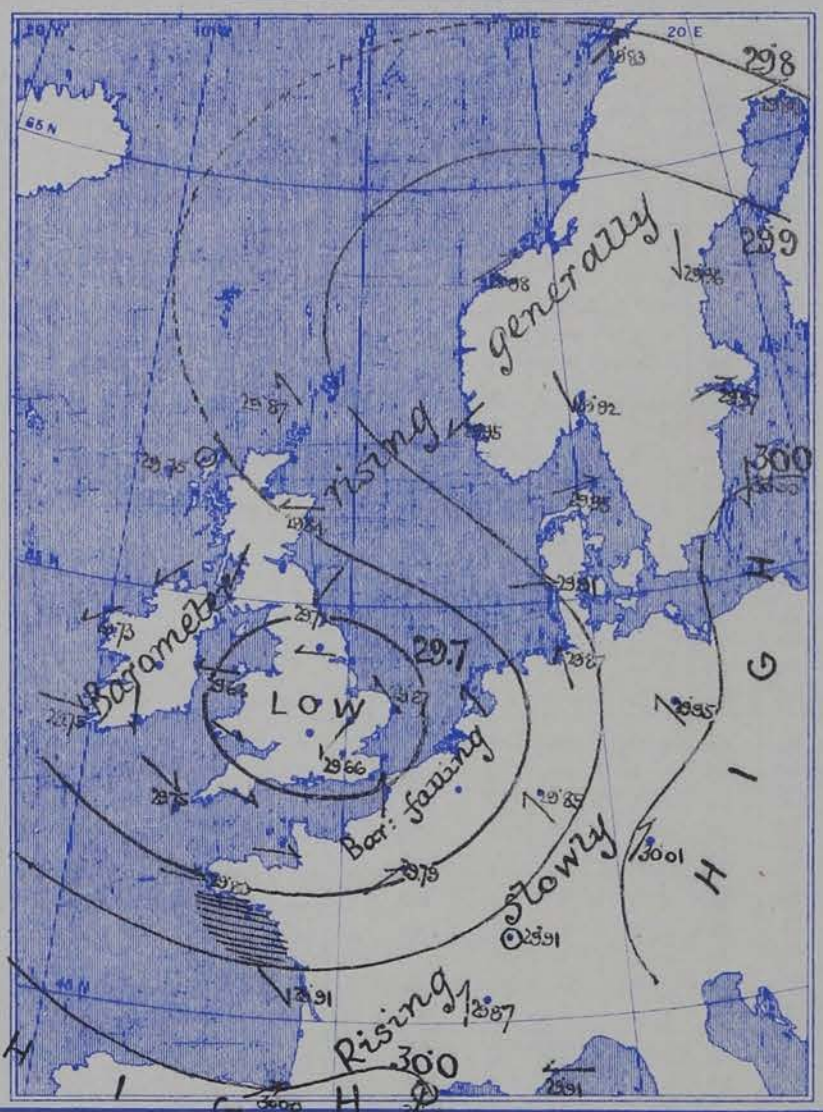
BAROMETER—Isobars are drawn for each tenth of an inch.

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

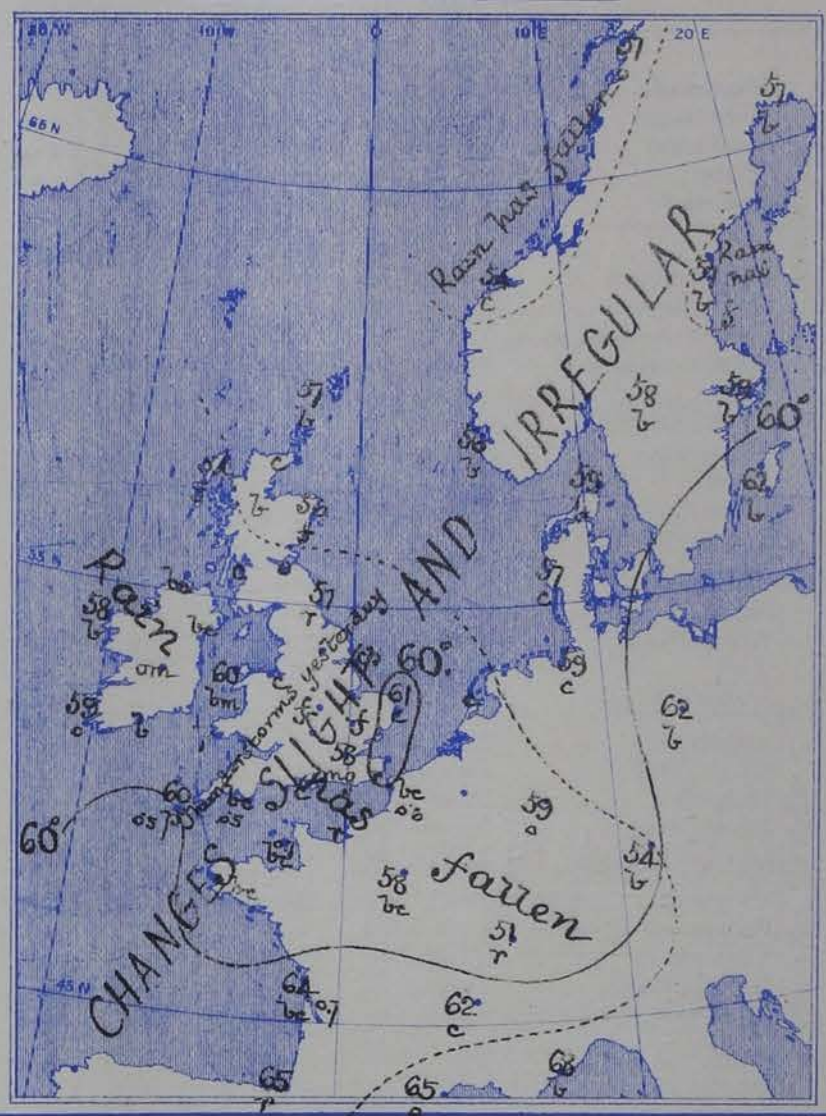


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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, 30·12 ins: at Lisbon, and exceeding 300 ins: over the Spanish Peninsula generally as well as over the south and east of Germany and the Baltic.
Lowest, Below 29·7 ins: in a complex but shallow depression lying directly over England.
Gradient moderate to slight. Distribution anticyclonic over our Islands and the northern half of France
Barometer falling slightly and irregularly over France, rising over the north and west of our Islands, changing fitfully over the southeast of England.

TEMPERATURE

Highest 66° at Lisbon, 65° to 62° over the southern parts of France, 62° at Jersey, Berlin and Vichy.
Lowest, 51° at Bodö, 53° at Loughborough, 54° at Oxford, Stornoway, and Christiansund.
The highest of the maxima recorded over our Islands yesterday ranged from 65° to 67° over England, and from 60° to 63° over Ireland. The maximum at Paris was 69°, that at Berlin 73°, and at Nice 79°.

WIND

Light to moderate in force and circulating cyclonically round the low pressure area lying over England.
Over Scandinavia, however, it is very variable in direction and light in force.

WEATHER

Fair on a whole over the northern districts, very changeable over England and France, with rain in many places, thunder and lightning at the North Foreland.
Much rain has fallen at several of the French and English stations, and thunder and lightning have been very general over England. Bright Sunshine recorded yesterday was only 0·6 hrs at York and 1·5 hrs: in London, but amounted to 11·3 hrs at Stornoway and 9·9 hrs at Valencia (Ireland).

SEA

Moderate or slight in the south, smooth in the north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further heavy showers are probable over this country and France, with much thunder, a further fall of temperature also is indicated.

FORECASTS

For the 24 hours ending at NOON on 26th Aug.st 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Variable airs; fair generally.	6 SCOTLAND WEST	Same as Nos 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	Same as No 5.
2 ENGLAND N.E.	Same as No 5.	8 ENGLAND S.W.	NW ½ breezes, light to moderate; showery.
3 ENGLAND EAST		9 IRELAND NORTH	Varying N ½ breezes, light; fair generally.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	NE ½ to NW ½ and Varying airs or light breezes; heavy local showers with thunder and lightning in many places.	WARNINGS	None Issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·78	59	55	WNW	2	o	2	Valencia	29·62	62	58	NW	4	bcv	4
Sumburgh Head	29·79	55	49	SE	2	b	3	Scilly	29·45	58	57	N	3	op	4
Stornoway	29·68	66	59	E	3	b	3	Jersey	29·62	67	63	NW	4	c	4
Aberdeen	29·74	58	56	ESE	3	bc	4	Hurst Castle ...	29·61	63	61	SW	4	c	3
Shields	29·65	59	57	SE	4	c	2	Dungeness ...	29·66	61	61	S	5	op	4
Ardrossan	29·60	63	62	NNE	2	c	1	North Foreland	29·69	65	63	SE	5	o	4
Malin Head ...	29·60	58	56	E	4	o	4	London (Westminster)	29·61	65	60	S	3	c	*
Belmullet	29·62	63	59	NNE	1	bc	*	Yarmouth ...	29·69	64	59	SSE	5	bc	4
Holyhead	29·55	61	59	NNW	2	cpt	1	Rochefort ...	29·91	61	60	N	3	bc	*

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

Weather in morning fine over Scotland and the eastern shores of the North Sea, as well as over Russia and many parts of southeastern and southern Europe; becoming very dull and raining over Ireland and England, as well as the north of France. Thunderstorms occurring very generally over the latter regions later, considerable falls of rain at Jersey, Scilly, London and York, and nearly three quarters of an inch at Rochefort and 0·6 in: at Cape Gris Nez.

Temperature changing rather fitfully over our Islands, falling over Central Europe. Morning readings highest 78° at Algiers, 71° at Palma, Palermo and Brindisi, 72° at Nicolaieff. Exceeding 60° over several parts of the Continent and the south of England. Lowest 52° at Bodö and Sumburgh Hd, 53° at Nairn, 55° at Christiansund, Wick, and Parsontown; (2) 52° at Belfast, 54° at Munster and at Warsaw. Rising later to 59° at Wick, to Between 60° and 63° over Ireland, to between 65° and 70° over England; to 69° at Paris, 73° at Berlin, and 79° at Nice.

Wind very light and variable over the whole of southwestern, southern, and Eastern Europe. Variable and explosive in the northwest and north – viz, light from N. in the south of Ireland, fresh W[1] to S[3] over the Channel and the southern half of England, SE[2] over the northern parts of England, Ireland, and the Irish Sea, E[3] over Scotland; W[1] in Norway, SW[1] to S[3] over Sweden and Finland. Becoming N[3] to NW[1] later over all our western districts, not much change elsewhere.

Barometer highest 30·0 in: and more to 29·9 in: over Spain, and in a band spreading thence across France to South Germany, as well as in another system over the Black Sea and south of Russia. Lowest 29·5 in: and less over Lapland, and in a small depression covering the Bristol and St George's Channels. Latter system moving eastwards later and becoming very complex.

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, 26th August, 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 ...	29.97	56	NW	0	bc	30.01	+.27	56	51	-1	NW	0	b	*	bc	*	64	45	-
	Hernösand ...	30.07	52	NW	0	b	30.12	+.16	58	56	+1	SW	2	bc	*	b	*	70	45	-
	Stockholm ...	30.05	60	NW	0	b	30.10	+.13	64	59	+5	ESE	2	b	*	b	*	68	52	-
	Wisby	30.06	58	N	4	b	30.09	+.09	61	56	-1	S	4	b	*	b	*	64	54	-
	Karlstad ...	30.04	59	S	2	b	30.08	+.10	59	55	+1	NNE	2	b	*	b	*	*	*	-
	Bodö	29.98	53	SW	6	r	30.08	+.25	55	51	+2	N	6	r	9	r	*	55	50	0.32
	Christiansund ...	30.06	55	N	2	b	30.05	+.07	54	52	0	NE	2	bc	9	b	*	59	48	-
	Skudesnaes ...	29.99	57	NW	0	b	29.99	+.04	59	57	+3	E	4	b	2	b	*	61	46	*
	Færder (Christiania Fjord)	30.01	62	SSW	1	b	30.05	+.13	59	56	-1	N	2	b	1	b	*	64	59	-
	Skagen (The Scaw)	30.01	62	NW	0	b	30.02	+.07	62	59	+3	E	1	bc	0	b	*	73	59	-
	Fanö	29.89	62	ESE	3	b	29.85	-.06	61	60	+4	ESE	4	c	*	b.l	*	70	57	-
British Islands.	Sumburgh Head	29.90	57	SE	3	b	29.87	.00	57	55	0	ESE	3	b	4	c.b	*	61	52	-
	Stornoway ...	29.74	62	E	3	o	29.62	-.13	60	57	+6	ESE	3	o	4	b.o	8.4	67	53	-
	Wick	29.85	58	SE	2	c	29.78	-.07	57	56	+1	SE	3	m	2	c	*	62	55	-
	Nairn	29.78	64	ESE	1	c	29.70	-.10	62	58	+5	SW	1	bc	1	c	*	70	53	-
	Aberdeen ...	29.83	57	E	2	og	29.76	-.08	58	56	+2	E	2	c	3	b.og.f	2.1	61	55	-
	Leith	29.74	60	ENE	3	bc	29.69	-.07	60	57	+2	ENE	2	bc	*	bc	*	63	51	-
	Shields	29.74	58	E	2	o	29.74	+.02	55	55	-2	SE	2	fa	3	r.c.f	*	62	55	0.11
	Spurn Head ...	29.72	60	E	3	b	29.75	+.08	59	59	-2	SE	2	f	2	b.f.w	*	66	57	0.01
	York	29.71	66	E	1	b	29.76	+.08	57	56	-2	ESE	1	o	*	c.b	5.3	68	55	0.02
	Loughborough ...	29.72	63	SSW	1	b	29.76	+.08	52	52	-1	S	1	ofw	*	cm,f.bf	*	71	45	-
	Ardrossan ...	29.69	63	NNE	3	cm	29.61	-.11	59	58	-1	E	4	cm	2	cm	*	67	53	-
	Malin Head ...	29.66	60	E	4	c	29.50	-.21	57	54	-3	ESE	7	o	3	b.c	*	63	52	-
	Belmullet ...	29.67	61	NNW	1	c	29.35	-.38	61	59	+3	SSE	5	op	*	o.c	*	63	57	0.10
	Donaghadee ...	29.70	61	S	3	bc	29.61	-.11	58	55	-3	SE	5	bc	3	bc	*	66	53	-
	Liverpool (Bidston)	29.71	63	SW	0	o	29.67	.00	59	54	+2	SE	2	b	1	b.f	*	75	50	-
	Holyhead ...	29.71	61	SW	1	bc	29.62	-.06	59	56	-1	SE	3	cm	2	cm,bc	*	64	55	-
	Parsonstown ...	29.66	63	W	0	c	29.37	-.36	63	60	+10	SE	2	c	*	c	4.5	67	52	-
	Valencia ...	29.67	59	S	2	o	29.39	-.36	58	56	-1	SW	5	op	5	bcv,o	2.1	63	56	0.34
	Roche's Point ..	29.69	61	NNW	3	bc	29.44	-.33	60	60	+3	SW	5	r	4	bc,r	*	65	55	0.15
	Pembroke (St. Ann's Hd.)	29.74	59	NW	3	o	29.57	-.11	59	59	0	SSE	6	o	4	c.o	4.8	62	58	-
	Scilly	29.79	62	SW	3	bc	29.57	-.18	61	61	+1	SSE	3	r	2	c.bc	11.9	66	58	0.06
	Prawle Point ..	29.79	59	WSW	4	bc	29.69	-.03	59	59	+2	S	4	fa	3	c	*	62	56	0.03
	Jersey (St. Aubin's)	29.84	63	NNW	4	bc	29.76	+.02	62	61	0	SE	5	oam	4	p.c.b	*	65	55	0.03
	Hurst Castle ...	29.76	62	WSW	3	cmu	29.76	+.07	62	60	+4	SSE	4	o	2	p.cm	*	67	56	0.11
	Dungeness ...	29.73	61	WSW	4	bct	29.80	+.16	62	59	+2	SW	4	bc	3	p.t	*	66	53	0.72
	North Foreland	29.73	62	W	2	c	29.80	+.15	60	57	-2	SW	2	b	2	tl.c	*	65	53	-
	London (Brixton) ...	29.73	60	SW	1	bm	29.84	+.14	57	55	-1	SSW	1	b	*	trh,c.bw	3.2	65	48	0.26
	Oxford	29.76	59	WSW	2	c	29.75	+.07	57	55	+3	SSE	2	b	*	c.a	*	69	49	-
	Cambridge ...	29.71	57	WSW	1	otp	29.79	+.11	58	55	+3	SSW	1	omw	*	tl.r	3.3	68	47	0.73
	Yarmouth ...	29.71	62	ESE	2	bcv	29.76	+.09	61	58	0	W	1	bw	2	bc.l	*	65	50	0.06
Germany & Holland.	Cuxhaven ...	29.81	61	SE	1	o	29.85	-.02	56	55	-3	S	1	b	*	or	*	68	54	0.47
	Berlin	29.90	67	SE	2	c	29.93	-.02	60	58	-2	W	0	r	*	c	*	73	57	0.08
	Wiesbaden ...	*	*	*	*	*	29.95	+.07	58	56	-1	W	2	o	*	*	*	64	55	0.12
	Munich... ..	30.05	55	E	6	o	30.06	+.05	56	53	+2	W	3	b	*	o	*	70	52	0.63
	The Helder ...	29.74	63	SSW	1	bc	29.75	-.01	60	59	-1	SSE	1	o	1	bc	*	66	57	0.04
Belgium.	Brussels ...	*	*	*	*	*	29.87		57	56		SW	4	o	*	bc	*	66	54	0.28
	Cape Gris Nez...	29.74	62	SW	4	o	29.79	+.14	60	58	+1	W	4	o	3	o	*	64	55	-
	Paris	29.86	60	WSW	2	c	29.92	+.13	56	55	-2	SE	2	bc	*	o	*	68	53	0.64
	Brest	29.85	63	WSW	2	c	29.75	-.05	62	61	+3	S	2	m	3	c	*	66	55	-
	Lorient... ...	29.98	63	W	3	c	29.78	-.05	64	64	+5	WSW	3	f	3	c	*	66	59	0.08
France &	Rochefort ...	30.00	66	NNW	5	b	29.94	+.03	66	63	+2	W	4	o	*	bc.b	*	70	61	0.35
	Belfort	29.93	58	W	1	bc	29.99	+.08	55	54	+4	NE	1	m	*	bc	*	65	51	0.04
	Lyons	29.95	68	NNW	1	bc	30.02	+.05	60	55	-2	ESE	1	b	*	bc.l	*	76	†54	-
	Nice	29.84	74	W	6	b	29.92	+.01	67	57	+4	N	0	b	2	b	*	81	59	-
	Perpignan ...	30.00	71	NW	1	o	30.05	+.05	64	60	-1	N	0	b	*	o	*	77	54	-
	Biarritz ...	30.01	68	SW	3	bc	29.97	-.03	66	60	+1	SSW	3	b	3	bc	*	72	61	-
Peninsula.	Corunna ...																*			
	Lisbon	30.06	67	E	S	b	29.99	-.13	69	63	+3	SW	5	b	*	b	*	77	64	-
	Azores (P. Delgada)	30.21	71	WSW	2	b	30.10	-.15	72	69	+1	SW	3	o	3	b	*	77	68	-

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

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

Bright Sunshine yesterday Southport 5.2 hrs;

WEATHER CHARTS

FOR Thursday, 26th August, 1897.

BAROMETER, WIND AND SEA.

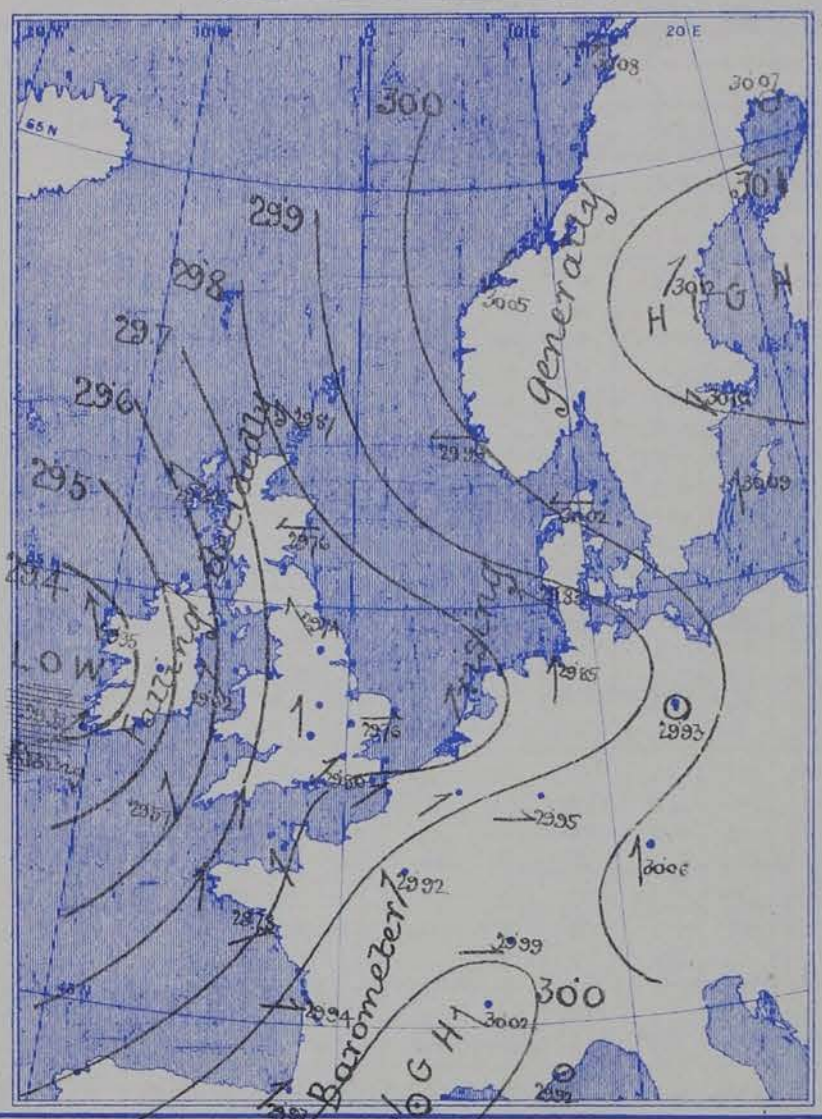
BAROMETER—Isobars are drawn for each tenth of an inch.

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 5 to 7 ⟶ ; Force 1 to 4 ⟶ ; } Calm ⊙

SEA—Rough ▤ : High ▩

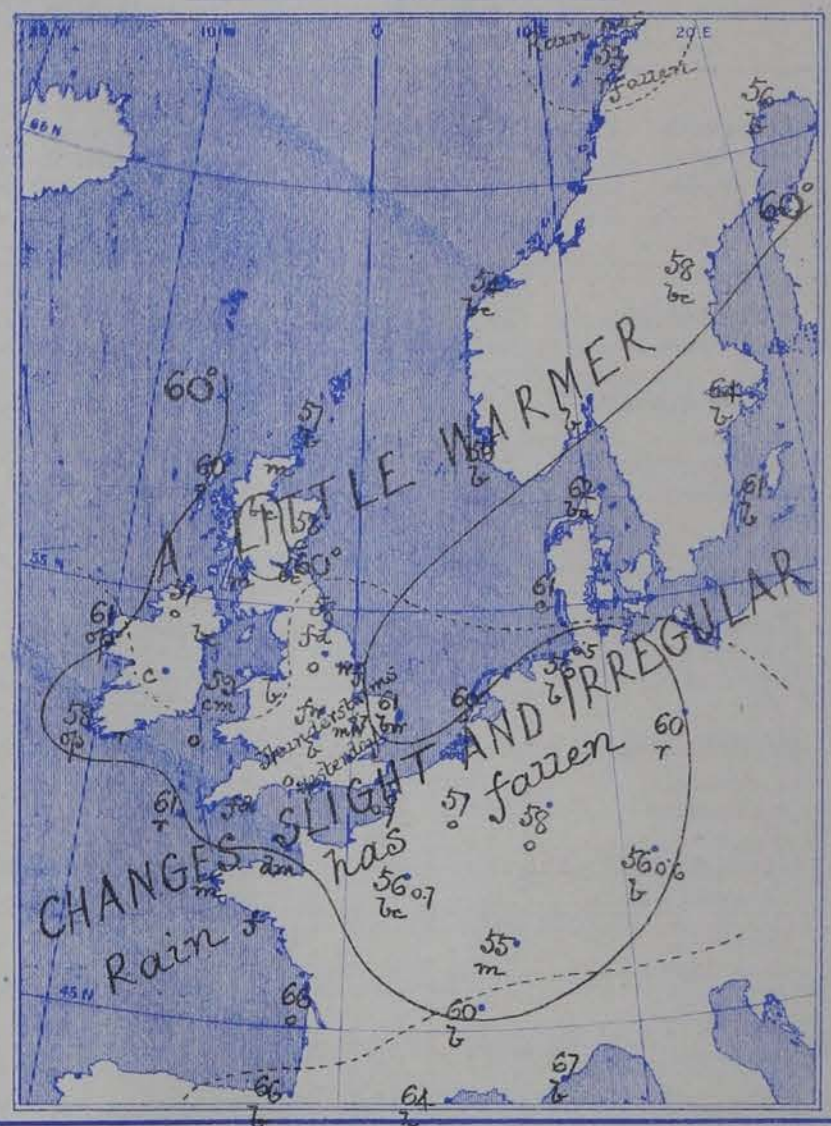


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 more to 29·9 ins: over Spain, France, Germany and Scandinavia.
Lowest, Below 29·4 ins: in a depression coming in over Ireland from the Atlantic.
Gradients rather steep over our western districts, moderate to slight elsewhere.
Barometer falling decidedly at most of our western stations and the fall is spreading eastwards. At Valencia Island however, it has begun to rise again.

TEMPERATURE

Highest 69° at Lisbon, 67° to 60° over the southern parts of France, 64° at Stockholm, 62° at Nairn, 63° at Barcombove.
Lowest, 51° at Loughborough, 56° at Nairn, Cahaan and Haparanda, and 57° at York, Oxford, and in London.
A maximum of 75° was recorded at Liverpool yesterday, and 71° at Loughborough; at all our other stations they were below 70°, and in several northern and eastern districts they were but little above 60°. The night was very cool (45° to 47°) over England

WIND

Moderate to light — W. and SW. over the Bay of Biscay; SW. to S. over the southern parts of Ireland and England; SE. to E. at our more northern and northwestern stations, and inclined to fresher generally.

WEATHER

Very fine over the eastern half of our area, but not settled; dull over Scotland, very dull and rainy in the west and southwest. Thunderstorms occurred very generally over our central, eastern, and southeastern counties yesterday, and were accompanied in some localities by heavy hail showers.
Bright Sunshine recorded yesterday were 11·9 hrs at Jersey, 8·4 hrs at Tiree, 5·2 hrs at Southport, 3·2 hrs in London, but only 2·1 hrs at Aberdeen and Valencia Island.

SEA

Rather rough again in the southwest, and moderate in the north, smooth on our southeastern coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

An early renewal of rainy thundery weather is probable all over England and the north of France.

FORECASTS

For the 24 hours ending at NOON on 27th AUGUST, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. winds, moderate to strong, some rain
1	SCOTLAND EAST	SE. winds, fresh or strong; rainy, perhaps some thunder.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	Same as Nos 1 and 2.
5	ENGLAND SOUTH	SE. to SW. winds; becoming very rainy again, with thunder and lightning.
6	SCOTLAND WEST	Same as No 0.
7	ENGLAND N.W.	SE. to E. winds, much rain, thunderstorms locally.
8	ENGLAND S.W.	Same as No 5
9	IRELAND NORTH	Same as No 7
10	IRELAND SOUTH	SW. and W. winds; rainy, then finer and cooler.
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.96	60	57	NW	2	b	1	Valencia	29.72	63	50	SW	3	bcv	4
Sumburgh Head	29.89	59	56	SE	3	c	4	Scilly	29.79	64	60	WSW	3	c	2
Stornoway	29.75	66	60	S	3	b	3	Jersey	29.81	65	61	W	5	c	5
Aberdeen	29.89	61	59	E	2	b	1	Hurst Castle ...	29.73	62	61	WSW	4	p	3
Shields	29.73	60	59	E	3	c	3	Dungeness ...	29.68	61	60	W	4	pc	3
Ardrossan	29.70	64	64	NNE	3	c	1	North Foreland	29.69	63	58	SE	2	c	2
Malin Head ...	29.69	62	59	E	4	b	3	London (Westminster)	29.69	62	58	SW	2	ofp	*
Belmullet	29.72	63	60	WNW	1	o	*	Yarmouth ...	29.69	65	60	ESE	3	bc	3*
Holyhead	29.70	62	58	NW	1	cm	1	Rochefort ...	29.99	70	64	NW	4	be	*

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

Weather in morning fine over southern and southeastern Europe, as well as over Germany, the Baltic, and the greater part of Scandinavia, fair as a whole over Scotland and Ireland, showery and unsettled over England, with thunder and lightning at the North Foreland. Sharp thunderstorms occurring over our midland, eastern, and southeastern counties later, and heavy hail in some localities, considerable rain over Germany and the northern half of France also.

Temperature changing fitfully, but not very greatly. Morning readings highest 79° at Algiers, 78° at La Calle and Constantinople, and exceeding 70° on the southern shores of the Mediterranean generally; 69° at Kiev, 65° at Moscow, 62° at Swinemunde and at the North Foreland. Rising later to 75° at Liverpool, 71° at Loughborough and 70° at Nairn, but not exceeding 65° at many of the Irish and English stations. Rising to 68° at Paris, 73° at Berlin and 81° at Nice. Succeeding night very cool over Central England.

Wind still very light and variable over Scandinavia and all the eastern and southern parts of Continental Europe. A well-marked cyclonic circulation, however, of moderate to light breezes prevailing over the whole of the United Kingdom and its neighbourhood. Last named system dying out later and wind backing to the S. in the west of Ireland.

Barometer highest 30·12 in. at Lisbon, and ranging from 30·0 in. and more to 29·9 in. over the whole of southern, central, and eastern Europe and the greater part of Scandinavia. Lowest 29·7 in. and less, in a well marked depression covering nearly the whole of England. The latter system filling up later, but a new one beginning to approach Ireland in the afternoon.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday 27th August, 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	65	SW	2	b	30·07	·00	58	55	+ 2	SW	2	bc	*	b	*	61	54	—
	Hernösand ...	30·12	59	S	2	b	30·19	— ·02	57	54	— 1	S	0	b	*	b	*	70	48	—
	Stockholm ...	30·13	58	S	0	b	30·16	+ ·06	60	56	— 4	S	0	b	*	b	*	68	54	—
	Wisby	30·11	58	NNE	4	b	30·12	+ ·03	63	59	+ 2	ESE	4	b	*	b	*	66	52	—
	Karlstad ...	30·08	60	E	2	b	30·13	+ ·05	64	58	+ 5	ENE	2	b	*	b	*	*	*	—
	Bodö	30·08	52	NE	2	o	30·15	+ ·07	51	48	— 2	NNE	2	o	1	o	*	53	50	0·16
	Christiansund ...	30·01	60	NE	2	b	30·01	— ·04	56	55	+ 2	ENE	2	b	2	b	*	63	52	—
	Skudesnaes ...	29·93	66	ESE	2	c	29·94	— ·05	63	60	+ 4	ESE	4	c	3	b,c	*	73	54	*
	Færder (Christiania Fjord)	30·03	66	ENE	1	bc	30·08	+ ·03	62	59	+ 3	ENE	1	c	1	bc	*	66	59	—
	Skagen (The Scaw)	30·03	62	SE	2	b	30·04	+ ·02	61	59	— 1	SE	3	b	4	b	*	68	57	—
	Fanö	29·92	60	SE	2	b	29·91	+ ·06	59	58	— 2	SE	4	bc	*	tr.b	*	72	57	0·04
British Islands.	Sumburgh Head	29·75	58	ESE	4	o	29·70	— ·17	58	57	+ 1	ESE	4	o	6	o	*	61	55	—
	Stornoway ...	29·43	63	ESE	5	o	29·50	— ·12	57	55	— 3	ESE	3	c	3	o	6·5	67	49	0·10
	Wick	29·63	56	SE	4	mr	29·60	— ·18	57	56	0	SE	4	rm	3	m	*	60	55	0·05
	Nairn	29·54	61	ESE	2	c	29·55	— ·15	57	55	— 5	S	0	b	1	c	*	69	54	—
	Aberdeen ...	29·63	57	SE	4	oq	29·58	— ·18	57	57	— 1	S	1	ogm	4	og,rq	2·9	62	55	0·59
	Leith	29·53	65	SSE	3	r	29·59	— ·10	57	55	— 3	S	1	o	*	r	*	70	48	0·07
	Shields	29·61	60	SE	3	o	29·63	— ·11	58	55	+ 3	SW	2	bcf	3	f.cm,o	*	60	53	0·28
	Spurn Head ...	29·65	62	ESE	4	o	29·68	— ·07	59	56	0	W	4	b	3	o.r	*	63	56	1·19
	York	29·63	65	SSE	1	o	29·69	— ·07	57	54	0	WSW	2	b	*	c,o,r	4·5	69	50	0·57
	Loughborough ...	29·65	61	SSE	3	r	29·74	— ·02	56	53	+ 4	WSW	3	bw	*	c,d,r,bm	*	68	50	0·16
	Ardrossan ...	29·48	61	E	4	cm	29·58	— ·03	58	57	— 1	S	3	b	2	p.cm	*	65	49	0·14
	Malin Head ...	29·40	57	S	3	bcp	29·41	— ·09	55	52	— 2	SE	5	cq	4	o,bcp	*	61	47	0·15
	Belmullet ...	29·39	58	SW	4	b	29·33	— ·02	57	56	— 4	WSW	6	or	*	op.bc.b	*	61	56	0·70
	Donaghadee ...	29·49	61	WSW	3	bc	29·57	— ·04	58	56	0	SW	5	b	3	bc	*	61	46	0·22
	Liverpool (Bidston)	29·56	61	SE	4	o	29·69	+ ·02	59	54	0	SSE	1	b	1	c,or	*	67	51	0·03
	Holyhead ...	29·54	59	SW	4	b	29·63	+ ·01	61	57	+ 2	SSW	3	bc	2	cm,dq,b	*	66	54	0·02
	Parsonstown ...	29·49	62	SW	1	b	29·52	+ ·15	59	55	— 4	W	2	b	*	r.b	8·8	65	50	0·06
	Valencia ...	29·51	59	SSW	4	bc	29·50	+ ·11	58	55	0	SSW	5	o	5	bc	8·3	62	54	0·27
	Roche's Point ..	29·60	60	SW	5	b	29·59	+ ·15	59	55	— 1	SW	5	b	4	b,b	*	65	56	—
	Pembroke (St. Ann's Hd.)	29·61	61	W	4	bc	29·69	+ ·12	60	59	+ 1	WSW	4	b	4	bc	4·2	61	51	0·18
	Scilly	29·68	62	WSW	3	c	29·73	+ ·16	61	58	0	SW	4	cp	3	cmp.c	4·8	66	51	0·05
	Prawle Point ...	29·64	59	W	3	c	29·80	+ ·11	58	56	— 1	SSW	4	p	3	rf.c	*	62	55	0·67
	Jersey (St. Aubin's)	29·66	65	WSW	4	r	29·87	+ ·11	62	57	0	WSW	4	bcm	3	r,p	*	67	55	1·02
	Hurst Castle ...	29·64	64	SSW	1	rm	29·82	+ ·06	62	60	0	WSW	3	bc	2	pd,rm	*	64	55	0·43
	Dungeness ...	29·71	62	S	4	op	29·81	+ ·01	62	59	0	W	3	c	2	c,op	*	67	58	0·25
	North Foreland	29·73	64	SSE	3	ow	29·81	+ ·01	62	58	+ 2	WSW	3	bc	2	b,ow	*	67	59	0·43
	London (Brixton) ...	29·68	63	SSE	3	or	29·80	·00	58	55	+ 1	WSW	2	b	*	bc,or,bw	4·3	69	56	0·24
	Oxford	29·64	61	SSE	1	or	29·78	+ ·03	58	56	+ 1	SSW	2	b	*	o,r	*	65	50	0·19
	Cambridge ...	29·68	65	SE	1	o	29·77	— ·02	58	54	0	WSW	2	bw	*	c,or	4·7	69	53	0·38
	Yarmouth ...	29·72	64	SSE	4	c	29·71	— ·05	59	55	— 2	W	4	c	3	bc,c,r	*	67	56	0·27
Germany & Holland.	Cuxhaven ...	29·89	63	S	1	b	29·91	+ ·06	57	54	+ 1	SE	3	c	*	b	*	66	52	—
	Berlin	29·95	63	E	0	c	29·87	+ ·04	57	55	— 3	ESE	1	b	*	b	*	68	54	0·04
	Wiesbaden ...	*	*	*	*	*	29·91	— ·04	60	59	+ 2	W	2	o	*	*	*	66	55	0·28
	Munich	30·07	56	E	0	b	30·08	+ ·02	57	57	+ 1	SW	2	o	*	b	*	66	52	0·16
	The Helder ...	29·82	63	S	1	m	29·71	— ·04	61	60	+ 1	SSE	2	o	1	m	*	68	59	0·28
Belgium. France &	Brussels ...	*	*	*	*	*	29·82	— ·05	66	63	+ 9	SW	5	c	*	b	*	71	57	0·12
	Cape Gris Nez .	29·74	63	S	3	r	29·77	— ·02	61	59	+ 1	WSW	4	o	4	r	*	68	55	0·47
	Paris	29·87	64	SSE	2	r	29·92	·00	64	62	+ 8	SSW	3	o	*	r	*	65	56	0·43
	Brest	29·72	60	WSW	2	c	29·83	+ ·08	59	57	— 3	SW	2	bc	3	c	*	63	55	0·98
	Lorient... ...	29·76	64	SW	6	r	29·89	+ ·11	59	59	— 5	WNW	2	c	2	r	*	66	63	0·43
	Rochefort ...	29·96	69	SW	4	bc	29·98	+ ·04	67	65	+ 1	SW	3	b	*	c,bc	*	72	61	—
	Belfort	29·93	63	W	2	o	29·98	— ·01	60	56	+ 5	W	1	o	*	o	*	69	55	0·04
	Lyons	29·95	71	SSE	1	b	30·01	— ·01	61	57	+ 1	SE	1	bc	*	b	*	75	56	—
	Nice																*			
	Perpignan ...	29·95	73	N	1	b	30·00	— ·05	63	63	— 1	S	0	f	*	b	*	80	59	—
	Biarritz ...	29·89	72	N	4	bv	29·91	— ·06	68	64	+ 2	SE	3	bc	2	bc	*	79	64	—
Peninsula.	Corunna ...																*			
	Lisbon	30·02	68	N	3	b	30·04	+ ·05	70	64	+ 1	NNE	4	c	*	b	*	79	64	—
	Azores (P. Delgada)	30·02	72	WSW	4	o	30·03	— ·07	67	65	— 5	NE	4	c	3	o	*	79	66	0·20

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

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

Bright Sunshine yesterday Southport 5·5 hrs;

WEATHER CHARTS

FOR FRIDAY, 27TH AUGUST, 1897.

BAROMETER, WIND AND SEA.

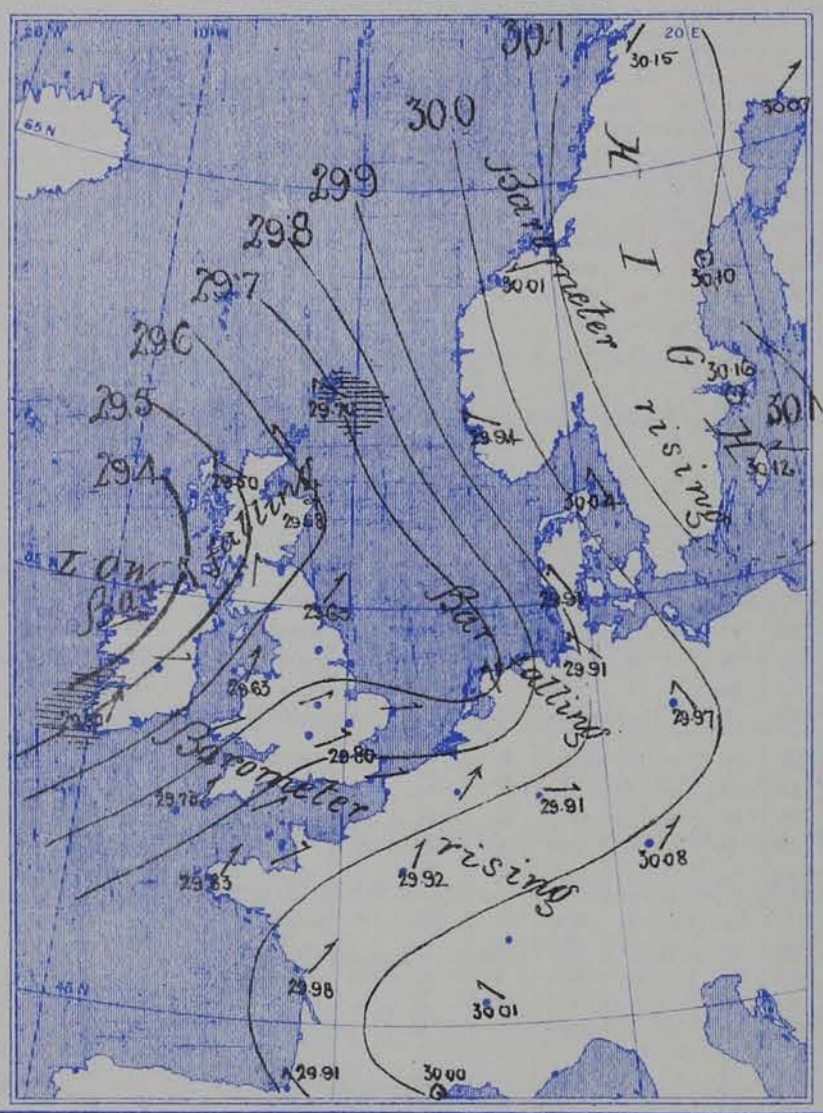
BAROMETER—Isobars are drawn for each tenth of an inch.

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* ▬

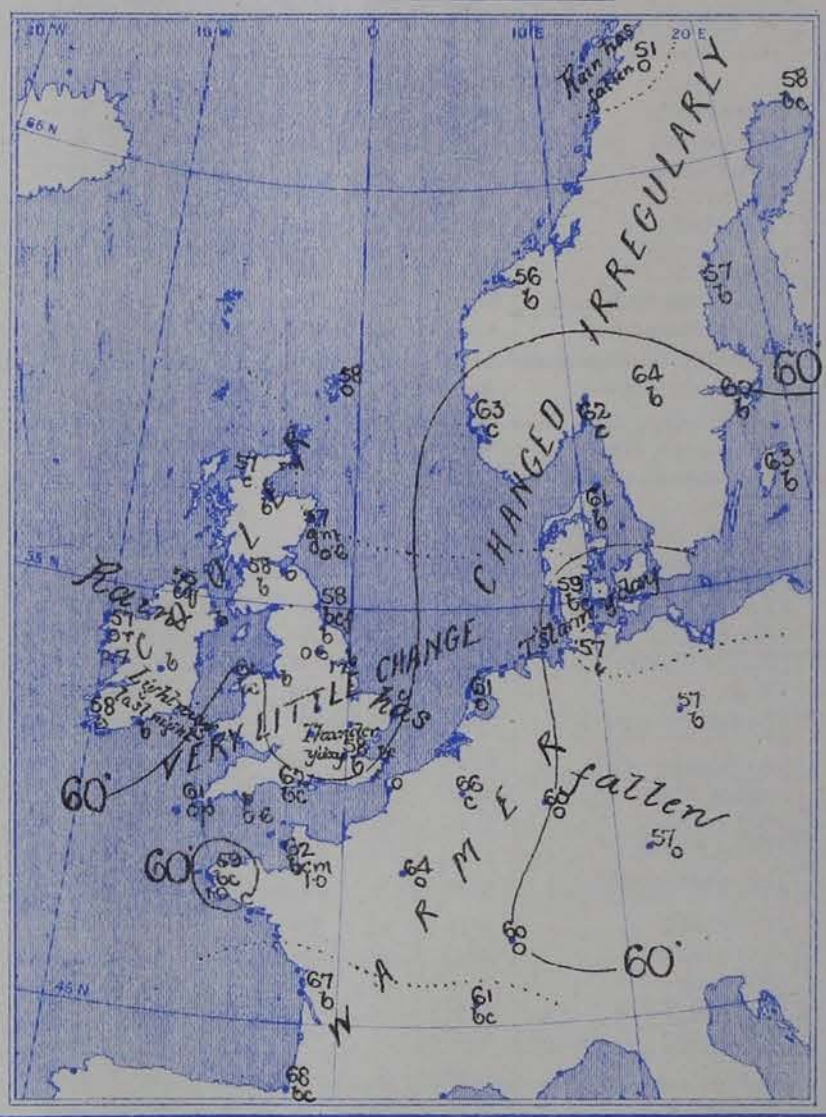


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 Sweden, and exceeding 29·9 ins. over Continental Europe generally.
Lowest 29·5 ins. to less than 29·4 ins. over the NW. of Ireland and the W. of Scotland.
Gradients moderate.
Barometer falling over our northern districts, rising steadily in the southwest & south

TEMPERATURE

Highest 68° at Biarritz, 67° at Rochefort, 66° at Brussels; 64° at Karlstad, 63° at Wisby, 70° at Lisbon
Lowest 51° at Bodö, 55° at Malin Hd., and 56° at Oxford.
The maxima recorded over our Islands yesterday were below 70°, except at Leith, but touched 69° in several places. Those in the S. of France ranged from 75° to 80°.

WIND

Moderate over our Islands generally — S. to WSW. over the S. parts of the Kingdom, S. to E. in the north.
Over the Continent it was light in force and mainly anticyclonic in direction.

WEATHER

Still dull and rainy in the extreme W. of Ireland, and very dull over many parts of Scotland; fine over England, but dull in many parts of France and Germany.
Rain had fallen very generally over the British Islands and France, and in several localities the falls were heavy (eg. 0.70 in. at Belmullet, 0.98 in. at Brest, 1.02 ins at Jersey, 1.19 ins. at Spurn Hd.). Bright Sunshine recorded yesterday was greatest (8 to 9 hrs) at the Irish stations; in London it was only 4·3 hrs.

SEA

Rough at Lumburgh Head, rather rough on our SW. coasts, slight to smooth in the south and southeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fine weather over England will probably prove very temporary.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE. breezes, changeable weather – fine to showery, thunder locally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	S. and SW. winds; fair as a whole, warmer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S. and SW. winds; rainy, unsettled.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SW. winds, moderate; fair as a whole.
9	IRELAND NORTH	Very variable winds, rainy, thundery.
10	IRELAND SOUTH	SW. and S. winds, changeable rain at times, bright intervals
	WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.95	73	66	E	2	b	2
Sumburgh Head	29.81	59	57	ESE	4	o	5
Stornoway	29.51	65	60	ESE	5	o	5
Aberdeen	29.68	59	58	SE	3	og	4
Shields	29.68	57	56	ESE	2	cm	3
Ardrossan	29.50	64	63	E	4	p	2
Malin Head ...	29.28	57	57	ESE	7	o	5
Belmullet	29.35	60	54	WSW	4	be	*
Holyhead	29.51	62	61	S	6	dmg	4
Valencia	29.48	60	55	SW	5	c	5
Scilly	29.61	64	61	SW	3	c	2
Jersey	29.70	67	66	SE	3	o	3
Hurst Castle ...	29.70	63	63	SE	4	odp	2
Dungeness ...	29.71	66	63	SSW	4	c	3
North Foreland	29.71	66	60	SSE	3	b	2
London (Westminster)	29.72	67	60	S	4	o	
Yarmouth ...	29.73	67	60	SSE	4	be	3*
Rochefort ...	29.96	70	68	WSW	4	c	*

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

Weather in morning fine over the greater part of Continental Europe, but rainy at St. Petersburg and in some parts of France; fine also over the greater part of England, but dull and rainy over Ireland, Cornwall and Devonshire. Much rain falling later over France, Ireland, England and the S. and E. of Scotland; thunder and lightning occurring at a few of our own stations, and at Paris.

Temperature in morning highest 78° at Algiers, 77° at Malta, and exceeding 70° at several of the Mediterranean and Adriatic stations; 69° at Lisbon, and exceeding 60° on the shores of the English Channel and the Baltic, 68° at Archangel. Lowest 53° at Bodö, 54° at Christiansund, 57° at Sumburgh Hd., Malin Hd., York and Oxford; 55° to 58° over the greater part of Germany. Rising later to between 65° and 70° over Gt. Britain and the Nn. parts of France and Germany to 71° at Brussels, 75° at Lyons, and 80° at Nice.

Wind continuing very light and variable over the Continent as a whole; SW. to SE. (cyclonic, but not strong) over the British Islands and their neighbourhood, but E. in the west of Norway and over Denmark; W. and strong at Bodö. Very little change in our Islands later, except of a local and temporary character.

Barometer highest 30.1 ins. and more to 29.9 ins. over Nn. Europe, and 30.0 ins. to 29.9 ins. over the S. and SW. countries; 30.1 ins. over the Azores. Lowest below 29.4 ins. in a well marked depression over the W. of Ireland, and below 29.8 ins. in a very shallow secondary between Yarmouth and the Helder. Some very small and shallow local disturbances in various parts of the Kingdom later; W. depression moving N. very slowly.

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 Saturday, 28th August, 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 ...	30·17	53	SW	2	bc	30·20	+·13	58	49	− 5	W	0	c	5	bc	4	64	46	-
	Hernösand ...	30·13	54	W	0	b	30·16	+·05	60	54	+ 3	W	0	f	4	b	4	70	46	-
	Stockholm ...	30·14	59	W	0	b	30·15	−·01	61	57	+ 1	W	0	b	4	b	4	70	50	-
	Wisby	30·12	60	ESE	4	b	30·11	−·01	62	60	− 1	NE	4	b	4	b	4	70	50	-
	Karlstad ...	30·10	60	ESE	2	b	30·12	−·01	63	58	− 1	E	2	b	4	b	4	4	4	-
	Bodö	30·16	51	NE	2	b	30·10	−·05	52	49	+ 1	N	1	b	0	b	4	52	45	-
	Christiansund ...	29·98	59	ENE	2	b	29·92	−·09	63	54	+ 7	ESE	1	b	1	b	4	66	56	-
	Skudesnaes ...	29·90	64	E	6	o	29·88	−·06	62	59	− 1	SSW	4	c	3	o	4	66	59	4
	Færder (Christiania Fjord)	30·04	65	W	0	bc	30·04	−·04	62	60	0	ESE	4	b	2	bc	4	68	61	-
	Skagen (The Scaw)	30·02	63	SE	1	b	30·01	−·03	63	61	+ 2	SSE	4	c	1	b	4	70	59	-
	Fanö	29·90	63	ESE	4	o	29·98	+·07	60	58	+ 1	W	0	b	4	o	4	73	59	-
British Islands	Sumburgh Head	29·67	57	ESE	4	r	29·66	−·04	56	55	− 2	S	3	c	6	o.r	4	60	50	0·50
	Stornoway ...	29·56	60	S	4	o	29·55	+·05	58	55	+ 1	S	4	bc	4	c.o	8·9	65	54	0·01
	Wick	29·62	58	S	3	o	29·66	+·06	59	56	+ 2	S	3	b	2	o	4	64	52	-
	Nairn	29·55	66	W	1	b	29·63	+·08	60	55	+ 3	SW	1	bc	1	b	4	72	52	-
	Aberdeen ...	29·63	59	S	2	b	29·72	+·14	61	56	+ 4	S	2	bc	3	b	9·0	67	53	-
	Leith	29·62	64	WSW	3	b	29·71	+·12	64	57	+ 7	S	2	o	4	b	4	72	51	-
	Shields	29·70	64	SW	3	c	29·80	+·17	57	54	− 1	SSW	2	bcm	3	f,c	4	68	51	-
	Spurn Head ...	29·77	64	SSW	3	b	29·87	+·19	61	58	+ 2	S	3	bc	3	b	4	69	54	-
	York	29·73	66	SSW	1	b	29·84	+·15	59	56	+ 2	SSE	2	b	4	b	11·3	69	50	-
	Loughborough ...	29·79	65	SW	3	b	29·89	+·15	58	56	+ 2	S	2	cw	4	c.bc.c	4	68	53	-
	Ardrossan ...	29·58	60	SSE	3	c	29·67	+·09	58	58	0	SSE	4	cm	3	b,c	4	62	55	-
	Malin Head ...	29·44	60	ESE	5	bc	29·54	+·13	57	55	+ 2	SSW	4	o	3	c.bc	4	62	53	-
	Belmullet ...	29·44	59	SW	5	bcqp	29·54	+·21	57	55	0	SW	5	cpq	4	or.bcpq	4	59	?	0·60
	Donaghadee ...	29·60	59	SW	6	bc	29·69	+·12	58	55	0	SW	6	bc	4	bc	4	64	53	0·01
	Liverpool (Bidston)	29·73	63	S	3	c	29·81	+·12	58	54	− 1	SE	1	bc	2	bc.p	4	67	52	0·02
	Holyhead ...	29·70	60	SSW	4	bc	29·77	+·14	58	56	− 3	SSW	3	c	2	bc	4	64	55	-
	Parsonstown ...	29·58	61	W	1	bc	29·68	+·16	59	55	0	S	1	bc	4	bc.r.bc	10·6	66	53	-
	Valencia ...	29·58	59	SSW	4	cp	29·70	+·20	59	56	+ 1	SSW	3	c	4	c qp.cp	5·2	61	55	0·14
	Roche's Point ..	29·66	60	SW	5	c	29·77	+·18	59	56	0	SW	5	bc	4	b,c	4	63	55	0·01
	Pembroke (St. Ann's Hd.)	29·73	61	WSW	5	c	29·82	+·13	60	59	0	WSW	5	bc	5	c	9·3	62	58	-
	Scilly	29·79	66	SSW	4	cp	29·87	+·14	62	58	+ 1	SSW	4	c	5	c.cp	7·8	67	57	0·01
	Prawle Point ...	29·86	59	SW	4	bc	29·92	+·12	60	58	+ 2	SSW	4	cp	3	bc,p	4	63	55	0·13
	Jersey (St. Aubin's)	29·91	66	S	2	b	29·99	+·12	64	60	+ 2	SW	4	cq	3	b	4	69	57	-
	Hurst Castle ...	29·88	64	SW	4	bcm	29·96	+·14	63	60	+ 1	SW	4	c	3	c.bcm	4	67	60	0·06
	Dungeness ...	29·89	63	SW	4	b	29·96	+·15	65	62	+ 3	SSW	3	bc	2	bc.b	4	68	60	-
	North Foreland	29·86	64	S	3	b	29·93	+·12	63	61	+ 1	S	2	bc	2	c.b	4	68	56	-
	London (Brixton) ...	29·84	63	SW	2	b	29·94	+·14	63	59	+ 5	SSW	2	c	4	c.bv	9·6	70	53	-
	Oxford	29·87	58	SW	2	c	29·91	+·13	59	56	+ 1	SSW	3	bc	4	c	4	67	54	-
	Cambridge ...	29·84	63	SSW	1	b	29·93	+·16	60	58	+ 2	SSW	2	ow	4	b	9·8	70	52	-
	Yarmouth ...	29·82	67	WSW	2	b	29·93	+·22	61	57	+ 2	SW	3	b	2	bc.b	4	67	54	-
Germany & Holland	Cuxhaven ...	29·99	59	SW	2	bc	30·03	+·12	60	56	+ 3	WSW	2	c	4	bc	4	61	57	-
	Berlin	29·97	66	W	0	bc	30·02	+·05	64	61	+ 7	W	2	o	4	bc	4	73	57	-
	Wiesbaden ...	*	*	*	*	*	30·04	+·13	63	62	+ 3	SW	2	b	4	4	4	73	61	0·12
	Munich	30·14	63	W	0	c	30·15	+·07	62	59	+ 5	W	0	bc	4	c	4	73	52	-
	The Helder ...	29·89	63	WSW	1	b	29·97	+·26	60	58	− 1	SW	1	bc	1	b	4	66	52	0·04
Belgium.	Brussels ...	*	*	*	*	*	30·02	+·20	64	59	− 2	NE	1	bc	4	r	4	70	51	0·04
	Cape Gris Nez ...	29·89	62	W	3	b	29·94	+·17	58	55	− 3	SSW	3	o	2	b	4	66	54	-
	Paris	29·95	65	SW	2	bc	30·02	+·10	60	59	− 4	SSE	1	m	4	bc	4	72	56	-
	Brest	29·91	62	SW	2	bc	29·95	+·12	60	59	+ 1	S	2	c	3	bc	4	64	55	0·08
	Lorient	29·96	64	W	2	c	29·99	+·10	62	61	+ 3	SW	3	bc	4	c	4	70	54	-
France &	Rochefort ...	30·07	67	W	2	r	30·07	+·09	66	63	− 1	W	2	o	4	c.r	4	75	61	-
	Belfort	29·97	69	W	0	o	30·04	+·06	61	60	+ 1	W	0	o	4	o	4	74	59	0·20
	Lyons	29·99	59	ESE	1	r	30·04	+·03	65	64	+ 4	S	1	o	4	t.r	4	83	61	0·08
	Nice	30·05	69	?	1	b	30·11	+·07	67	59	0	W	0	b	0	b	4	75	61	-
	Perpignan ...	29·98	72	NE	2	o	30·02	+·02	71	70	+ 8	SW	1	o	4	o	4	79	63	-
	Biarritz ...	29·93	72	N	3	o	29·99	+·08	67	66	− 1	ENE	3	o	3	o.l	4	81	66	0·16
Peninsula.	Corunna ...																4			
	Lisbon	30·06	68	NNW	4	b	30·10	+·06	71	67	+ 1	NNW	2	b	4	b	4	81	66	-
	Azores (P. Delgada)	30·14	67	NNE	3	c	30·16	+·13	68	63	+ 1	NNE	1	o	2	c	4	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 11·3 hrs;

WEATHER CHARTS

FOR Saturday, 28th August, 1897.

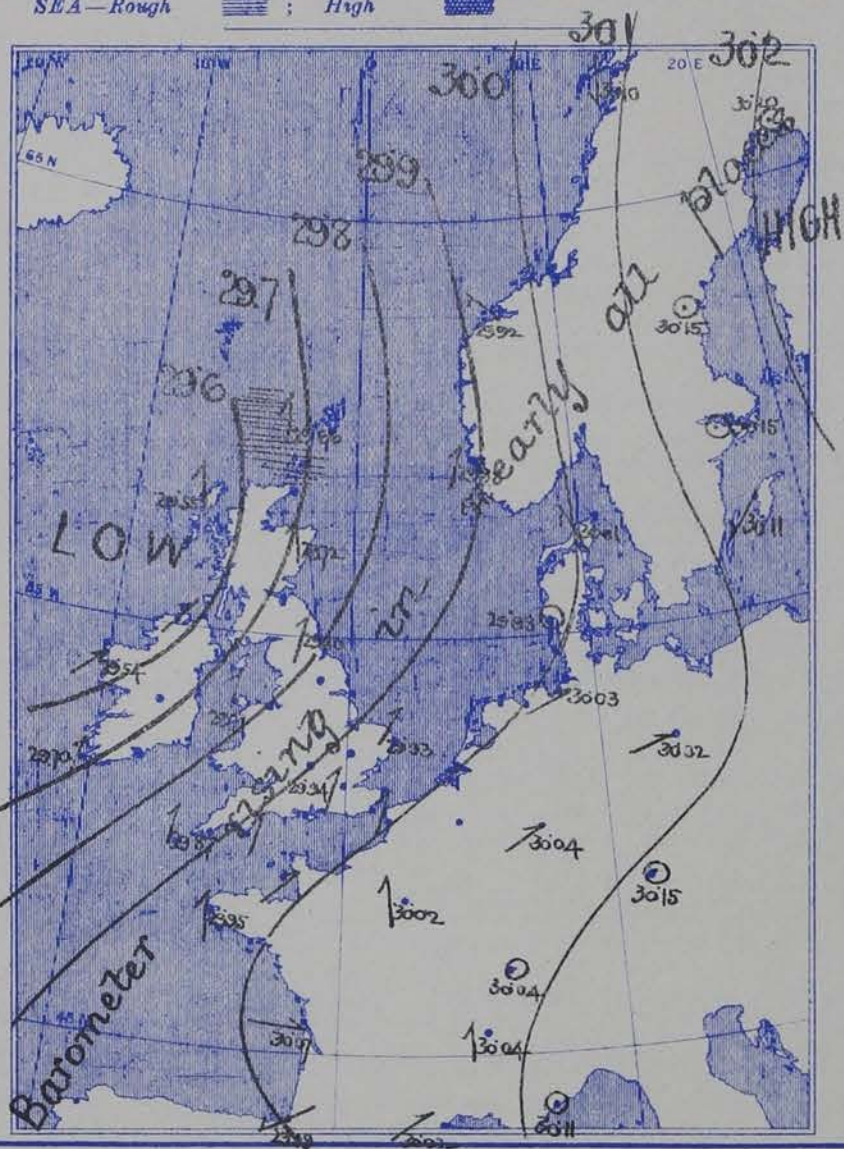
BAROMETER, WIND AND SEA.

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*

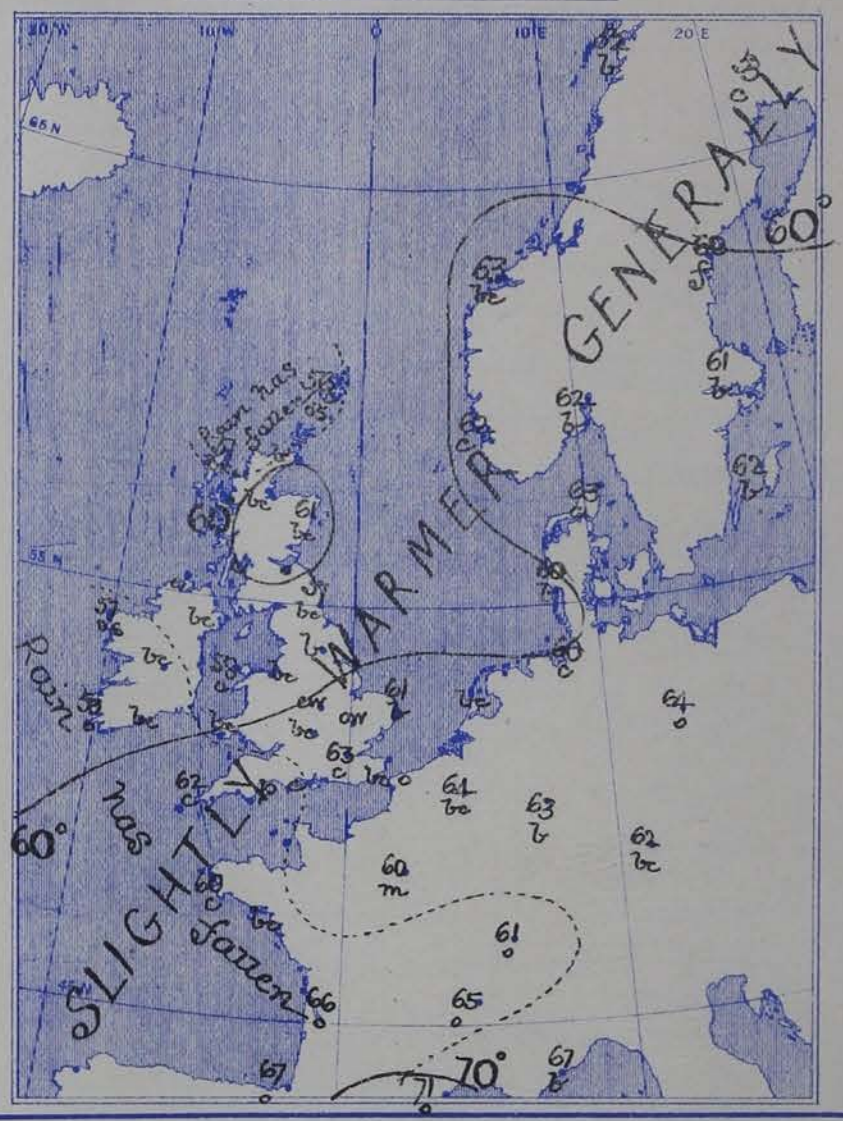


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 to 29·9 ins: over the Continent generally.
Lowest, 29·6 ins: and less, over the northwest of Ireland and the west of Scotland, and still lower over the adjacent parts of the Atlantic.
Gradients moderate over our Islands, slight over the Continent.
Barometer rising slowly almost everywhere, but falling a little on the west coast of Norway.

TEMPERATURE

Highest, 71° to 65° in the south of France, 65° to 60° over the south of England, 64° at Brussels and Berlin, and 63° at Karlstad.
Lowest, 57° to 59° over the eastern and northern parts of the Kingdom.
The highest of the maxima recorded over our Islands yesterday were 72° at Nairn and Leith, 70° in London and at Cambridge.
The maxima on the Continent were — Paris 72°, Berlin 73°, Nice 75°, and Lyons 83°.

WIND

S¼ to SW¼ over the greater part of our area — moderate to light in force; in Norway, however, it is S¼ and SE¼.
Over southern and central Europe calms and SW¼ airs prevail.

WEATHER

Fair as a whole, but with slight showers in one or two places in our Islands.
Showers fell sporadically over our northern and western districts yesterday, and over France; at Blacksod Point and Turnberry Head the falls were considerable, but at our other stations slight.
Bright Sunshine recorded yesterday was very considerable — ranging from 5 hrs: at Valencia and 6 hrs at Scilly to between 9 and 11 hrs at our other stations.

SEA

Still rough at Turnberry Head and on our extreme southwestern coasts, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no decided indication of change. A very warm day is probable over England.

FORECASTS

For the 24 hours ending at NOON on 29TH AUGUST 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S¼ and SW¼ winds, light; some showers.
1	SCOTLAND EAST	S¼ breezes, light; fair.
2	ENGLAND N.E.	
3	ENGLAND EAST	S¼ and SW¼ breezes, light; fair.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW¼ and S¼ winds, fresh; slight rain at times.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.94	66	63	S	6	0	4
Sumburgh Head	29.68	59	57	ESE	4	0	6
Stornoway	29.80	64	57	S	4	c	5
Aberdeen	29.60	66	58	SSE	3	b	3
Shields	29.67	66	56	WSW	3	c	3
Ardrossan	29.58	62	61	SSE	3	b	2
Malin Head ...	29.45	60	56	ESE	4	c	3
Belmullet	29.42	58	56	SW	4	or	*
Holyhead	29.69	64	61	SSW	5	bc	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.67	60	56	SSW	5	cgp	5
Scilly	29.78	66	61	SSW	4	c	4
Jersey	29.91	67	60	WSW	3	b	3
Hurst Castle ...	29.87	67	63	WSW	4	c	3
Dungeness ...	29.88	67	62	WSW	4	bc	3
North Foreland	29.86	68	61	SW	3	c	2
London (Westminster)	29.84	70	60	SW	3	c	*
Yarmouth ..	29.81	67	58	W	3	bc	3
Rochefort ...	30.01	71	.68	W	2	c	*

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

Weather in morning fine and bright over nearly the whole of Continental Europe and the Mediterranean, as well as over the greater part of England and the East of Ireland: cloudy at our extreme western and northern stations, with rain locally in Scotland, the west of Ireland and the southeast of England, showers falling sporadically in all the last-named districts, thunder and lightning occurring at Lyons, but the condition continuing fine over most of England and the countries lying to the Eastward of the North Sea.

Temperature rising over France. Morning readings highest 82° at Hyfor, 78° at Barcelona, 74° at Brindisi, 71° at Odessa: 64° at Neufahrwasser and Karlstad, 63° at Skudesnaes, 62° at Dungeness and Hurst Castle. Lowest (1) 51° at Bodö, 54° at Ulenborg, 57° at Hernösand; (2) 55° to 59° at the Irish and Scotch stations, 57° to 59° over the northern and central part of England. Rising later to 72° at Nairn and Leith, and to between 70° and 65° over the greater part of our Islands and the north of France, to 73° at several German stations, to 81° at Biarritz, and 83° at Lyons.

Wind light and variable over almost the whole of the Continent, but SW[3] to SE[3] (cyclonic) and moderate in force over the British Islands, the North Sea and west of Norway. No important change later.

Barometer highest 30·1 in: and west to 30·0 in: over nearly the whole of northern Europe, and exceeding 30·0 in: over the southern half of Spain, the Mediterranean, Switzerland, and in a "col" stretching thence in a northerly direction to the Baltic. Rising slowly over our Islands all day, falling slightly over Scandinavia.

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 29th August, 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 ...	30·17	50	S	2	b	30·17	−·03	56	54	+ 3	E	2	b	*	b	*	64	41	—
	Hernösand ...	30·15	55	2	0	c	30·11	−·04	54	53	— 6	2	0	f	*	c	*	70	52	—
	Stockholm ...	30·09	52	2	0	b	30·05	−·10	62	59	+ 1	NNE	2	b	*	b	*	70	52	—
	Wisby	30·08	60	N	4	b	30·04	−·07	63	59	+ 1	N	4	b	*	b	*	66	52	—
	Karlstad ...	30·07	59	S	2	b	30·05	−·07	57	54	— 6	NW	2	b	*	b	*	*	*	—
	Bodö	30·05	58	2	0	b	30·04	−·06	63	55	+ 11	E	2	b	1	b	*	63	48	—
	Christiansund ...	30·01	60	NW	2	0	29·97	+ ·05	58	56	— 5	2	0	c	1	0	*	68	55	—
	Skudesnaes ...	29·97	62	S	4	0	29·95	+ ·07	61	59	— 1	SSE	4	bc	3	b.0	*	67	59	*
	Færder (Christiania Fjord)	30·03	65	ESE	2	0	29·98	— ·06	63	59	+ 1	ESE	4	0	2	0	*	66	62	—
	Skagen (The Scaw)	29·99	64	SE	1	0	29·97	— ·04	62	61	— 1	2	0	0	0	0	*	68	59	0·12
	Fanö	29·99	58	2	0	c	29·97	— ·01	60	58	0	2	0	c	*	c	*	68	57	—
	Sumburgh Head	29·74	57	S	2	c	29·76	+ ·10	58	56	+ 2	S	2	bc	4	b.c	*	61	53	0·01
	Stornoway ...	29·59	56	SSW	4	r	29·61	+ ·12	56	55	— 2	S	4	0	4	*	3·0	59	52	0·15
	Wick	29·70	56	S	2	bc	29·77	+ ·11	59	58	0	S	2	bc	1	bc	*	64	51	—
	Nairn	29·65	59	SW	1	bc	29·72	+ ·09	59	56	— 1	2	0	c	1	bc	*	70	47	0·01
	Aberdeen ...	29·74	57	S	2	b	29·78	+ ·06	60	56	— 1	SSE	2	b	2	bcq.b	9·7	63	51	—
British Islands.	Leith	29·72	63	SSW	3	b	29·76	+ ·05	58	55	— 6	SSW	1	r	*	b	*	67	52	0·03
	Shields	29·78	63	SSW	3	c	29·83	+ ·03	60	55	+ 3	SSW	2	b	2	c	*	69	49	—
	Spurn Head ...	29·84	63	SSW	4	c	29·88	+ ·01	60	58	— 1	S	3	b	3	a.p	*	70	54	—
	York	29·84	63	SSW	1	c	29·86	+ ·02	58	56	— 1	S	1	b	*	c	4·9	67	46	005
	Loughborough ...	29·87	62	SW	4	t	29·90	+ ·01	55	54	— 3	SSE	1	cw	*	c.tp	*	69	49	007
	Ardrossan ...	29·69	60	SSW	3	bc	29·71	+ ·04	56	54	— 2	E	2	c	1	bc.tw	*	62	53	022
	Malin Head ...	29·62	59	SSW	2	cp	29·61	+ ·07	55	52	— 2	ESE	5	c	3	cp	*	61	49	008
	Belmullet ...	29·65	59	WSW	4	c	29·41	— ·13	55	53	— 2	ESE	5	or	*	c	*	60	52	010
	Donaghadee ...	29·72	57	SSW	5	cp	29·72	+ ·03	57	55	— 1	S	5	c	3	cp	*	65	51	008
	Liverpool (Bidston)	29·83	62	SW	2	b	29·83	+ ·01	54	51	— 4	SE	2	o	2	p.b	*	65	49	2·08
	Holyhead ...	29·80	59	SW	5	b	29·76	— ·01	58	56	0	S	4	o	3	c.b	*	64	55	—
	Parsonstown ...	29·73	60	SW	1	bc	29·56	— ·12	55	53	— 4	SE	2	or	*	bc.p.	6·0	63	50	030
	Valencia ...	29·77	60	SW	3	c	29·34	— ·36	58	57	— 1	SE	7	rgm	6	cp.c	2·7	62	53	0·44
	Roche's Point ...	29·80	60	SW	5	bc	29·53	— ·24	57	57	— 2	SSE	8	r	5	bc	*	64	55	0·40
	Pembroke (St. Ann's Hd.)	29·87	61	W	4	b	29·74	— ·08	59	59	— 1	SW	5	rq	5	b	8·6	63	58	004
	Scilly	29·92	62	SW	3	c	29·73	— ·14	60	59	— 2	S	5	cp	4	cp.c	8·7	67	56	0·07
	Prawle Point ...	29·93	59	SW	3	c	29·88	— ·04	57	56	— 3	SSE	4	or	4	c.cp	*	63	55	—
	Jersey (St. Aubin's)	29·98	65	WSW	4	b	29·95	— ·04	62	60	— 2	S	4	og	3	cpg.b	*	70	56	001
	Hurst Castle ...	29·94	63	SW	3	c	29·92	— ·04	63	60	0	SSW	3	cp	3	cp.c	*	66	60	011
	Dungeness ...	29·95	63	SW	3	0	29·96	·00	60	61	— 2	SSW	3	c	2	c.0	*	69	59	—
	North Foreland	29·96	64	S	3	c	29·97	+ ·04	63	59	0	S	2	b	2	b.c	*	70	54	—
	London (Brixton) ...	29·92	64	WSW	2	bc	29·95	+ ·01	61	58	— 2	SSW	2	0	*	op.brw	4·0	71	52	002
	Oxford	29·93	57	SW	3	bc	29·90	— ·01	57	56	— 2	S	2	c	*	bc.p	*	67	51	—
	Cambridge ...	29·90	64	SW	2	0	29·93	·00	58	56	— 2	S	1	bcw	*	b.0	7·0	71	50	—
	Yarmouth ...	29·90	63	S	3	cpv	29·93	·00	60	57	— *	S	2	b	2	c	*	65	51	015
Germany & Holland.	Cuxhaven ...	29·97	66	SW	1	c	29·94	— ·09	58	57	— 2	E	2	c	*	c	*	?	?	—
	Berlin	29·99	66	2	0	b	29·93	— ·09	63	56	— 1	2	0	0	*	b	*	72	61	—
	Wiesbaden ...	*	*	*	*	*	30·02	— ·02	62	61	— 1	NW	1	q	*	*	*	73	59	0·06
	Munich	30·05	65	NW	2	c	30·10	— ·05	61	59	— 1	SW	5	0	*	c	*	72	59	071
	The Helder ...	30·01	63	2	0	b	29·99	+ ·02	62	60	+ 2	SW	1	b	1	b	*	66	59	—
Belgium.	Brussels ...	*	*	*	*	*	30·03	+ ·01	61	57	— 3	SW	1	c	*	0	*	72	51	—
	Cape Gris Nez ...	29·95	62	WSW	2	c	29·96	+ ·02	60	58	+ 2	WSW	1	c	1	c	*	66	55	—
	Paris	30·01	63	WSW	2	c	30·06	+ ·04	56	55	— 4	S	1	bc	*	c	*	73	52	—
	Brest	29·96	62	SSW	2	c	?29·88	— ·07	60	59	0	S	4	o	24	c	*	63	55	—
	Lorient	30·03	65	WSW	3	b	29·97	— ·02	62	59	0	SW	3	o	4	b	*	72	59	—
France &	Rochefort ...	30·08	66	NW	3	b	30·09	+ ·02	64	62	— 2	W	2	b	*	b	*	72	61	—
	Belfort	29·97	60	SW	1	r	30·07	+ ·03	59	57	— 2	W	3	o	*	r	*	69	56	043
	Lyons	30·04	63	SSE	1	r	30·11	+ ·07	61	59	— 4	NNE	1	c	*	t.r	*	71	58	1·14
	Nice	30·04	68	SW	2	b	29·96	— ·15	67	62	0	E	3	b	0	b	*	79	61	—
	Perpignan ...	29·99	73	NE	3	t	30·08	+ ·06	66	62	— 5	2	0	b	*	t	*	81	60	004
	Biarritz ...	30·04	69	NNW	3	0	30·01	+ ·02	66	63	— 1	ENE	3	c	2	0	*	81	63	—
Peninsula.	Corunna ...	30·13	68	NW	3	b	30·10	·00	64	59	+ 1	SSW	3	b	3	b	*	70	54	—
	Lisbon	30·12	66	N	4	b	30·11	+ ·01	66	59	— 5	NNW	4	b	*	b	*	84	63	—
	Azores (P. Delgada)																*			

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

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

Bright Sunshine yesterday Southport 8·2 hrs;

WEATHER CHARTS

FOR SUNDAY, 29TH AUGUST, 1897.

BAROMETER, WIND AND SEA.

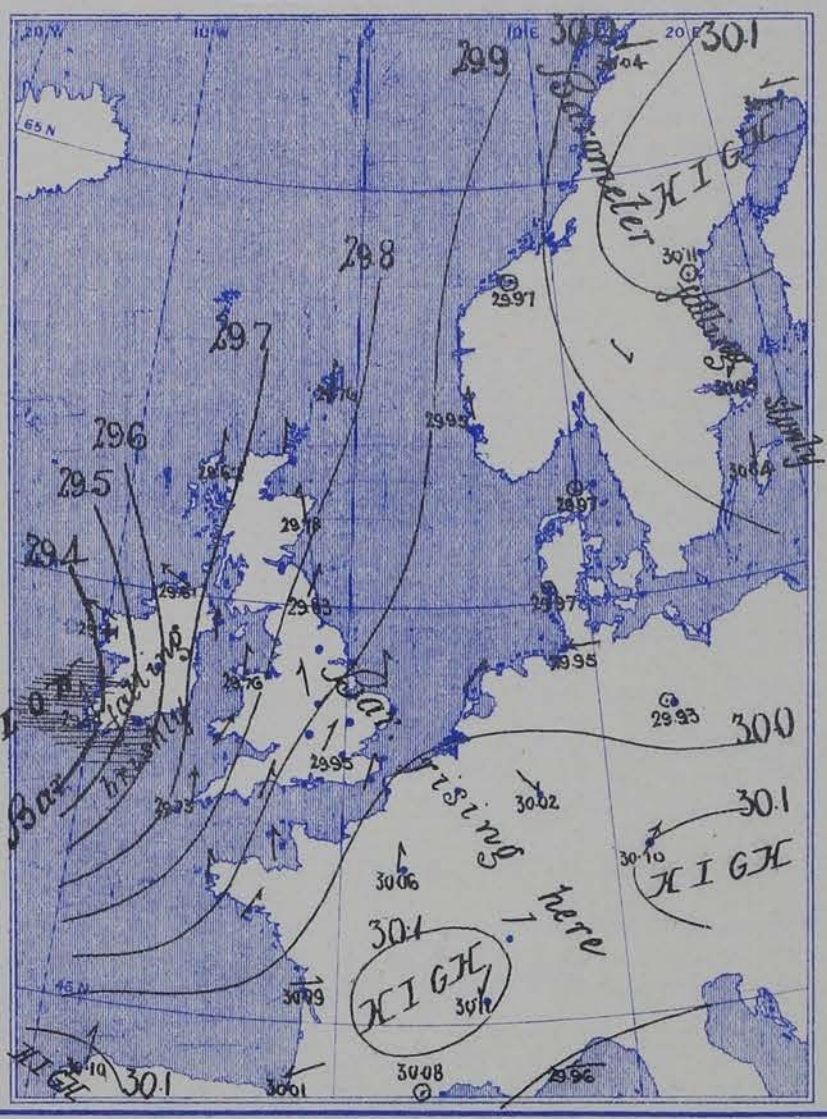
BAROMETER—Isobars are drawn for each tenth of an inch.

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*

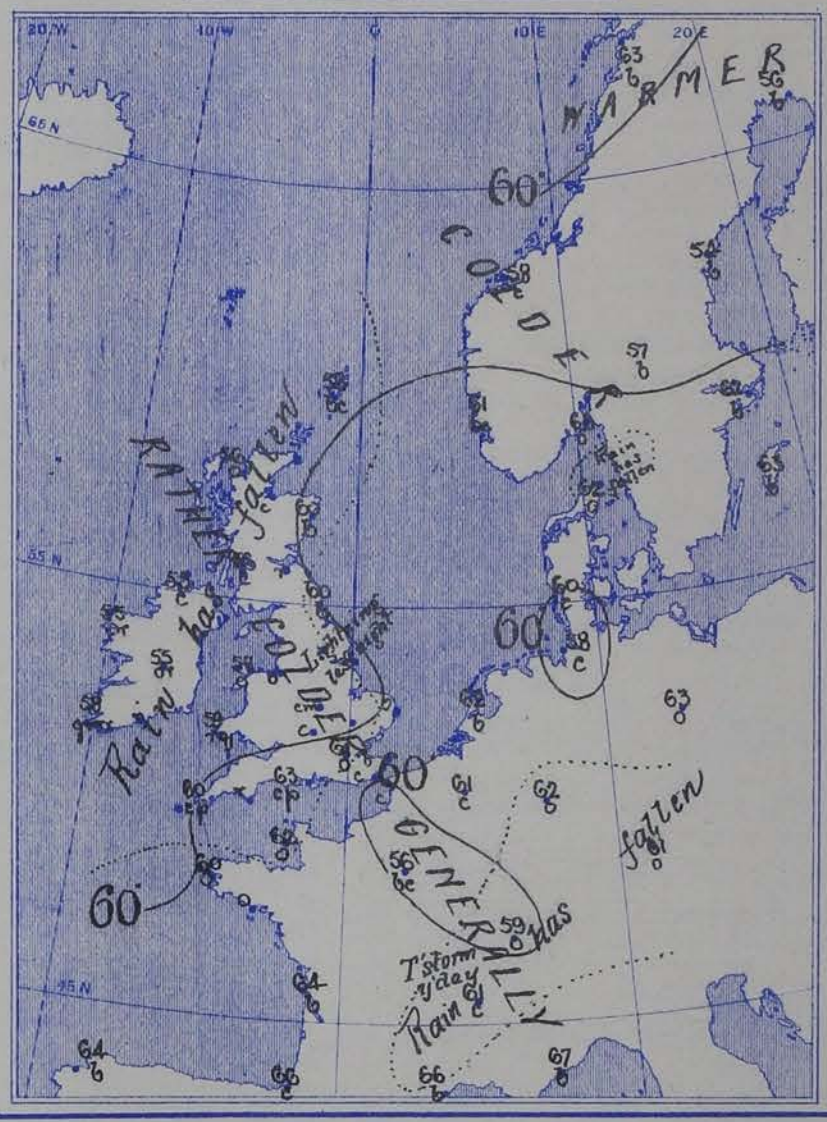


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	--	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 . 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 · 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 830	56 · 1	53 . 9	61 · 7	54 · 0	—	--	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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, 301 m/m and more to 300 m/m: (1) over Spain, France, the north of Italy and South Germany; (2) over Sweden, Finland, and the Gulf of Bothnia.
Lowest. Below 294 m/m over the southwest of Ireland, and apparently still lower over the adjacent parts of the Atlantic, and below 300 m/m over North Germany and the Baltic.
Gradient steep over Ireland, moderate over England, slight over the North Sea and the Continent.
Barometer falling fast on our southwest coasts, very slightly in the southeast, rising in the northeast.

TEMPERATURE

Highest, 67° to 61° over the southern parts of France and on the coast of Portugal, 63° at Berlin and Vienna, and at Dunquerque and Hoek of Holland.
Lowest, 54° at Hernösand, 55° to 58° at the Irish stations, 56° at Aberdeen, 55° at Loughborough, 56° at Paris.
It has been as high as 70° to 71° at several stations during yesterday, 73° at Berlin and Paris, 75° at Nice, and 81° at Perpignan, Biarritz and Lisbon.

WIND

Light to moderate over Continental Europe and mainly anticyclonic in direction. S to SE (cyclonic) over our Islands and blowing freshly on our west and northwest coasts generally, and a moderate gale in the south of Ireland – but only a light breeze over the east of England.
It has backed very suddenly over our Islands during the night.

WEATHER

Fine or fair over the Continent as a whole, but very cloudy in some places; fine and bright in the extreme east and northeast of England, cloudy in the northwest, dull, raining and very unsettled in the west and southwest.
Rain has fallen at our western and northern stations, and at Valencia the fall has been large. Appearance of sky over England unsettled, squally, and showerlike. Heavy rain reported at Wiesbaden and Lyons. Bright Sunshine recorded yesterday varied from 9 hrs at Aberdeen to 4 hrs in London and 3 hrs at Ironmonger Row.

SEA

Rough at the southwestern stations, moderate in the north, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NONE ISSUED
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	NONE ISSUED.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 9.45 am to districts 6 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 ...	29.97	67	64	S	4	b	3
Sumburgh Head	29.73	60	58	S	3	b	6
Stornoway	29.58	57	55	SSW	5	r	5
Aberdeen	29.73	62	56	S	4	bcq	4
Shields	29.80	60	56	SW	4	c	2
Ardrossan	29.68	62	62	SSW	4	bc	3
Malin Head ...	29.58	59	58	S	4	cp	3
Belmullet	29.63	60	57	SW	4	c	3*
Holyhead	29.85	64	60	SSW	4	bc	*

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.75	62	59	SW	4	cp	4
Scilly	29.89	64	61	SSW	4	cp	5
Jersey	29.99	69	63	SSW	3	c	3
Hurst Castle ...	29.95	65	62	SW	4	cp	2
Dungeness ...	29.96	67	64	SW	3	c	2
North Foreland	29.97	70	64	S	4	b	3
London (Westminster)	29.93	68	60	SW	2	c	*
Yarmouth ...	29.93	64	60	SSE	4	cp	4
Rochefort ...	30.08	69	64	NW	1	o	*

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

Weather in morning fine over Continental Europe, as a whole, though overcast in several places, and foggy at Hernösand; fine also over the eastern parts of Great Britain, but dull in the west of Ireland, and, locally, in some parts of Scotland and England. Showers falling in several localities later, and already rain setting in over Ireland towards Midnight and spreading eastwards.

Temperatures in morning highest 78° at Barcelona and exceeding 70° over the Adriatic, and on the eastern, southern, and western shores of the Mediterranean; exceeding 60° over France and South Germany, as a whole, as well as over the Baltic, Scandinavia, and the eastern and southern parts of Great Britain. Lowest (1) 52° at Bodö, 53° at Haparanda and Ulleaborg, 55° at Kuopio and Hangö; (2) 56° at Sumburgh Head, and 57° to 59° at the stations in Ireland and the west of Scotland. Rising later to between 60° and 64° over Ireland, touching 70° or 71° in several parts of Great Britain, 73° at Berlin and Paris, 79° at Nice, 81° at Lisbon and Biarritz.

Wind (1) light to moderate and anticyclonic over nearly the whole of northern, central, and southern Europe, but light and cyclonic over the southern half of Russia and the Black Sea; (2) moderate to fresh, and cyclonic over the British Islands and northwestern Europe — S° to SW° over our Islands, S° to E° over Denmark and Norway. No decided change over our Islands till late at night, when wind in far west backed S.W. and increased quickly in force.

Barometer highest 30·1 in: and more to 30·0 in: over southwestern, central and northern Europe. Lowest (1) Below 29·6 in: over the northwestern parts of our Islands and (2) below 29·9 in: over the southern half of Russia and over the Black Sea. Rising very slowly, but generally over our Islands and Western Europe during the day, as well as over the western parts of the Continent.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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,, Weekly ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Monday, 30th August, 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 ...	30·12	54	NE	0	b	30·18	−·04	52	51	− 2	NE	0	b	5	b	#	70	44	-
	Hernösand ...	30·06	51	NE	0	b	30·02	−·09	56	54	+ 2	NE	2	b	#	b	#	70	50	-
	Stockholm ...	29·99	60	NE	0	bc	29·93	−·12	61	59	−1	N	2	b	#	bc	#	70	52	-
	Wisby	29·98	60	NNW	4	o	29·93	−·11	63	60	0	NNW	4	b	#	o	#	66	54	-
	Karlstad ...	29·98	62	SSE	3	o	29·94	−·11	60	56	+ 3	E	2	o	#	o,r	#	#	#	-
	Bodö	30·02	60	NE	0	b	29·98	−·06	61	54	− 2	E	2	b	1	b	#	64	?	-
	Christiansund ...	29·91	60	NE	0	c	29·86	−·11	59	57	+ 1	NE	0	o	1	c	#	63	57	-
	Skudesnaes ...	29·91	64	S	4	c	29·83	−·12	61	57	0	SE	4	o	3	bc c	#	66	57	#
	Færder (Christiania Fjord)	29·97	61	NNW	2	bc	29·93	−·05	59	58	− 4	NNE	1	o	1	bc	#	63	57	-
	Skagen (The Scaw)	29·96	59	NE	0	b	29·92	−·05	63	59	+ 1	S	1	c	0	b	#	72	54	-
	Fanö	29·95	60	S	2	b	29·85	−·12	60	59	0	SSE	3	r	#	b	#	72	59	-
British Isles.	Sumburgh Head	29·75	55	ESE	2	b	29·63	−·13	57	55	− 1	E	4	o	5	b	#	61	54	0·02
	Stornoway ...	29·50	60	SE	3	o	29·20	−·47	58	56	+ 2	ESE	5	d	5	c.o	4·1	64	54	0·12
	Wick	29·67	58	S	4	c	29·36	−·41	57	57	− 2	SE	5	o	5	c	#	64	54	0·05
	Nairn	29·57	60	ESE	2	o	29·26	−·46	60	58	+ 1	SSW	4	c	2	o	#	67	56	0·02
	Aberdeen ...	29·65	57	SSE	5	ogq	29·37	−·41	59	56	− 1	S	4	bcq	4	b,o q q	9·8	64	56	0·16
	Leith	29·61	60	SSW	2	r	29·33	−·43	59	56	+ 1	S	3	b	#	r	#	66	55	0·05
	Shields	29·66	57	SE	4	r	29·47	−·36	58	55	− 2	S	3	c	2	d	#	64	53	0·05
	Spurn Head ...	29·72	60	SSE	5	c	29·58	−·30	63	60	+ 3	SW	4	b	4	c.p	#	65	58	0·07
	York	29·68	60	S	2	o	29·54	−·32	59	55	+ 1	S	1	b	#	c.o	4·6	66	55	0·08
	Loughborough ...	29·70	60	SSE	4	c	29·62	−·28	58	56	+ 3	SSW	4	bq	#	c p.q.bc	#	64	51	0·14
	Ardrossan ...	29·46	57	NE	4	pm	29·25	−·46	55	54	− 1	SSE	7	r m	5	pm	#	62	54	0·54
	Malin Head ...	29·23	55	ESE	8	r	29·05	−·56	57	57	+ 2	S	4	r	4	r	#	60	52	0·26
	Belmullet ...	29·11	58	ESE	1	or	29·25	−·16	57	54	+ 2	W	7	o	#	o or	#	60	54	1·75
	Donaghadee ...	29·34	56	ESE	8	o	29·28	−·44	54	53	− 3	SSW	8	r	6	o	#	57	53	0·66
	Liverpool (Bidston)	29·50	58	SE	5	p	29·51	−·31	59	54	+ 5	S	3	bc	2	p	#	65	50	0·15
	Holyhead ...	29·39	58	SE	7	qqru	29·46	−·30	59	57	+ 1	SW	7	cqqp	6	qqr	#	60	55	0·27
	Parsonstown ...	29·16	61	SW	3	c	29·39	−·17	57	54	+ 2	SW	3	o	#	or	0·0	61	53	0·34
	Valencia ...	29·22	59	SW	6	o	29·50	+·16	57	54	− 1	SW	5	c	5	orqm	1·2	61	55	0·75
	Roche's Point ...	29·28	59	SW	8	p	29·54	+·01	57	53	0	W	5	bc	5	p	#	60	55	0·60
	Pembroke (St. Ann's Hd.)	29·42	61	SW	7	r	29·57	−·17	59	58	0	W	7	bc q	7	r	0·3	61	56	0·44
	Scilly	29·54	62	SW	7	o	29·68	−·05	60	57	0	SW	5	c	5	r.c.o	2·3	64	56	0·10
	Prawle Point ...	29·63	58	SSW	6	c	29·72	−·16	59	57	+ 2	SW	5	b	4	qp	#	60	55	0·09
	Jersey (St. Aubin's)	29·79	66	SSE	5	o	29·81	−·14	62	59	0	WSW	5	o	4	o,pl	#	66	57	0·13
	Hurst Castle ...	29·74	62	SE	5	op	29·73	−·19	63	60	0	WSW	5	c	3	qp	#	64	59	0·22
	Dungeness ...	29·84	62	SSW	4	c	29·73	−·23	62	61	− 1	SW	5	oq	4	c	#	67	60	0·02
	North Foreland	29·87	62	SSE	5	r	29·73	−·24	63	60	0	SW	3	c	2	o.r	#	65	58	0·03
	London (Brixton) ...	29·78	62	SSW	4	or	29·72	−·23	60	58	− 1	SW	3	o	#	cp.or	0·5	67	56	0·13
	Oxford	29·67	59	SSW	3	r	29·68	−·22	59	55	+ 2	SW	3	b	#	r	#	62	56	0·09
	Cambridge ...	29·77	61	S	2	o	29·68	−·25	60	58	+ 2	SW	2	bw	#	c.op	3·1	65	56	0·07
	Yarmouth ...	29·82	62	S	3	op	29·67	−·26	61	59	+ 1	SW	4	bc	2	op	#	64	57	0·26
Germany & Holland.	Cuxhaven ...	30·01	60	E	3	c	29·86	−·08	58	57	0	E	2	b	#	c	#	?	52	-
	Berlin	29·95	62	W	1	b	29·93	·00	57	56	− 6	SE	1	o	#	b	#	66	54	0·39
	Wiesbaden ...	#	#	#	#	#	29·96	−·06	60	57	− 2	NE	0	b	#	#	#	73	57	-
	Munich	30·10	60	NE	0	b	30·07	−·03	59	57	− 2	N	1	c	#	b	#	68	52	0·08
	The Helder ...	29·89	63	S	1	o	29·75	−·20	62	60	0	S	2	bc	1	o	#	66	59	0·20
Belgium. France &	Brussels ...	#	#	#	#	#	29·82	−·21	62	59	+ 1	SSE	2	o	#	o	#	72	57	-
	Cape Gris Nez ...	29·86	62	SSW	2	o	29·74	−·22	60	60	0	W	4	r	4	o	#	68	55	0·32
	Paris	29·95	65	S	2	r	29·87	−·19	61	59	+ 5	S	2	m	#	o,r	#	73	56	-
	Brest	29·73	61	S	4	c	29·81	−·07	62	57	+ 2	W	2	c	5	c	#	64	55	-
	Lorient	29·83	62	SSW	6	r	29·84	−·13	61	59	− 1	WSW	5	r	5	r	#	66	57	0·16
	Rochefort ...	30·06	70	SSW	2	o	29·95	−·14	66	64	+ 2	WSW	4	o	#	bc o	#	79	63	0·24
	Belfort	29·96	67	W	2	bc	29·95	−·12	62	59	+ 3	N	0	o	#	bc	#	72	55	-
	Lyons	29·99	69	ESE	1	c	29·98	−·13	65	63	+ 4	SE	1	o	#	c	#	75	60	-
	Nice	29·95	70	SW	4	b	30·02	+·06	64	62	− 3	E	3	c	1	b	#	82	61	-
	Perpignan ...	29·99	70	E	2	b	29·98	−·10	66	64	0	W	2	b	#	b	#	77	59	-
	Biarritz ...	29·97	72	NNE	2	c	29·98	−·03	69	67	+ 3	SSE	2	c	2	c	#	79	66	-
Peninsula.	Corunna ...																#			
	Lisbon	30·09	68	NNW	3	b	30·09	−·02	69	65	+ 3	N	3	o	#	b	#	79	66	-
	Azores (P. Delgada)	30·20	72	W	3	m	30·20		72	69		NNW	1	c	2	m	#	77	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 1·0 hrs;

WEATHER CHARTS

FOR Monday, 30th August, 1897.

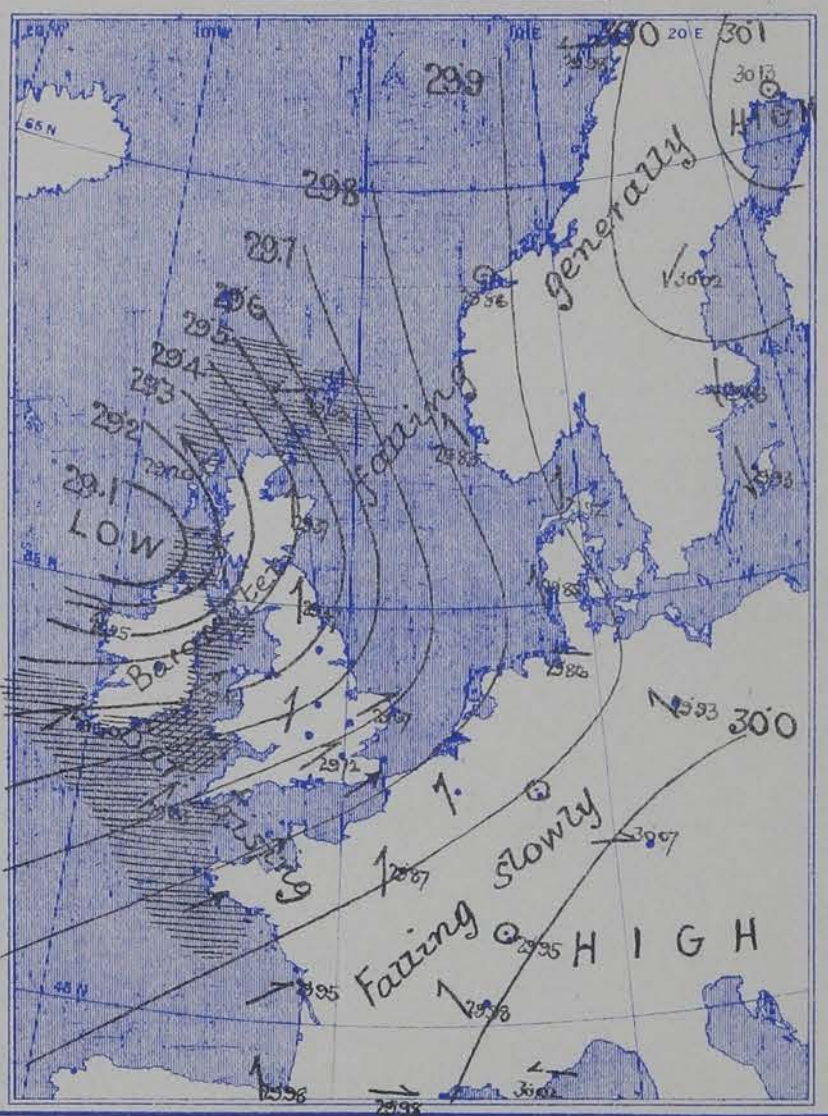
BAROMETER, WIND AND SEA.

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*

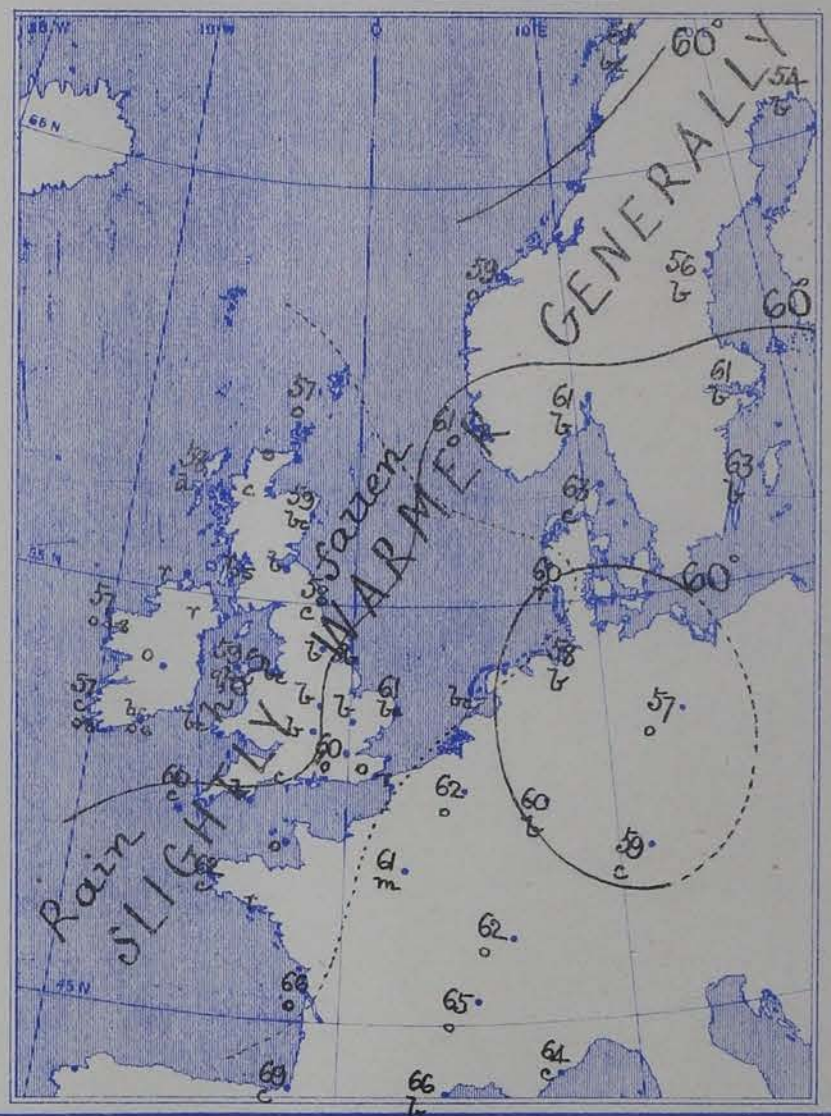


TEMPERATURE & WEATHER.

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 AUGUST.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 · 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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) 30·1 ins: and more over the north of Iceland and the Kola Peninsula: (2) 30·0 ins: and more over Scotland, the north of Italy and the southeast of France; and exceeding 29·8 ins: at the Continental stations generally.
Lowest, Below 29·1 ins: in a depression lying off the north of Ireland.
Gradients very steep in the extreme northwest, rather so in the west and north generally, moderate over England.
Barometer still falling over Scotland, rising on our southwestern and southern coasts.

TEMPERATURE

Highest, 69° to 64° over the southern parts of France, 62° to 60° over our own southern counties, 63° to 60° over Denmark and the southern parts of Scandinavia.
Lowest, 54° to 57° on our own northwestern coasts, 57° at Berlin.
The maxima recorded over our Islands yesterday ranged between 67° and 60° as a rule, but that at Dunsfjaden did not exceed 57°. The night, however, was not very cool.

WIND

Very light, and mainly anticyclonic over the greater part of Continental Europe, but strong to a gale from between W. and SW. at our western stations, moderate from SW. in the east, fresh from S. and SE. in the north.
Gales of considerable strength from between SE. and SW. have been felt at all our western stations, but are now veering, and are subsiding slowly.

WEATHER

Fine over the Continent and the east of England, cloudy, squally and raining in the northwest and west, and not at all settled in any part of our Islands.
Rain has fallen very generally over the United Kingdom — very heavily in the west of Ireland, rather heavily at Aberdeen.
Bright Sunshine recorded yesterday was 9·8 hrs: at Aberdeen, more than 4 hrs at Stornoway and York, only 3 hrs at Cambridge and still less elsewhere.

SEA

Very rough in the west and southwest, smooth in the east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the northwest is moving slowly away to the northward, but some further disturbance is likely to follow in the southwest shortly.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S¼ and SW¼ winds, moderate or fresh; dull, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SW¼ winds, fresh, showery; then temporarily fine. Very cool tonight.
6	SCOTLAND WEST	SW¼ winds, moderating; showers with bright intervals, probably more unsettled later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 9·45 am yesterday to districts 6 to 10 and at 7·15 pm to district 1. and part of 0 "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 ...	29.95	65	62	S	4	bc	2
Sumburgh Head							
Stornoway	29.63	63	59	E	2	0	1
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.39	55	54	ESE	6	r	4
Belmullet	29.26	58	57	ESE	4	0	*
Holyhead							
Valencia							
Scilly							
Jersey	29.87	63	60	SSE	4	0	3
Hurst Castle ...							
Dungeness ...	29.91	62	61	SW	4	c	3
North Foreland	29.92	64	62	SSE	3	0	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.09	77	72	SW	2	bc	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 22ND TO THE 28TH AUGUST 1897.

During this week there has been a continuance of depressions reaching our western coasts from the Atlantic; but during a considerable portion of the week the central part of the primary depressions came more directly over Ireland and England than those of the previous week.

The first disturbance was of a secondary and very complex character; it passed across our Islands during Sunday (August 22nd) and caused flying showers in most places

The second reached our southwestern coasts early on Tuesday; it lay directly over England on Wednesday, and almost entirely filled up during the succeeding twenty-four hours.

During this period the rainfall was slighter over our northern and extreme western districts than it was over England, where the showers were heavy and the thunderstorms frequent.

The third system reached the west of Ireland early on Thursday. It was a disturbance of considerable importance, but followed a more northerly course than those previously noted. On Saturday, it lay well to the northwestward of our Islands.

The rain with this system was, therefore, much more considerable in the west and north than over England, and thunderstorms were slighter and far less general than of late.

Thus the rainfall for the week was much less comparatively speaking in the northwest and west than in the week which preceded it—but even at the close of the week there was no definite indication of really settled weather for any part of the Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 31st August, 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 ...	29.97	53	NE	0	b	29.90	—·23	47	45	— 7	E	2	o	5	b	#	70	43	—
	Hernösand ...	29.93	57	NE	0	b	29.84	—·18	55	52	— 1	NE	0	b	#	b	#	66	46	—
	Stockholm ...	29.90	58	NE	0	b	29.87	—·06	62	57	+ 1	NE	0	b	#	b	#	66	54	—
	Wisby	29.93	60	SE	4	b	29.88	—·05	61	59	— 2	S	4	b	#	b	#	64	55	—
	Karlstad ...	29.88	61	S	1	b	29.77	—·17	62	59	+ 2	SE	4	o	#	b	#	#	#	—
	Bodö	29.88	62	E	2	bc	29.73	—·25	57	51	— 4	E	4	bc	1	bc	#	68	55	—
	Christiansund ...	29.74	60	N	1	b	29.63	—·23	60	56	+ 1	NE	0	r	2	b	#	66	55	—
	Skudesnaes ...	29.66	61	SE	6	r	29.65	—·18	60	58	— 1	SSE	4	bc	3	o,r	#	63	57	#
	Færder (Christiania Fjord)	29.84	63	ESE	1	o	29.71	—·22	62	60	+ 3	SSE	6	o	3	o	#	63	59	0·43
	Skagen (The Scaw)	29.81	63	S	1	o	29.69	—·23	61	60	— 2	SW	2	o	o	o,b	#	66	59	0·12
	Fanö	29.75	62	SW	3	b	29.68	—·17	60	59	0	NE	o	c	#	b,r,b	#	73	59	0·12
British Isles	Sumburgh Head	29.42	56	ESE	3	b	29.43	—·20	57	56	0	SSE	2	bc	5	r,b	#	59	53	0·15
	Stornoway ...	29.42	57	SSE	5	r	29.29	+·09	56	55	— 2	S	6	o	6	rq,o,r	2·6	64	53	0·20
	Wick	29.30	56	SE	4	o	29.42	+·06	57	54	0	S	3	bc	2	o	#	64	52	0·02
	Nairn	29.23	62	SSW	3	c	29.37	+·11	60	56	0	S	1	b	1	c	#	66	48	—
	Aberdeen ...	29.38	56	SSE	6	ogq,	29.44	+·07	58	54	— 1	SW	2	bcur	3	cpq,og	5·3	61	49	0·01
	Leith	29.39	59	SSW	3	c	29.44	+·11	55	53	— 4	SSW	1	b	#	c	#	63	50	—
	Shields	29.52	61	SW	4	c	29.49	+·02	54	53	— 4	SSW	2	o	2	c,r	#	66	53	0·08
	Spurn Head ...	29.62	61	SW	3	c	29.53	—·05	55	55	— 8	WSW	4	r	3	c,p,r	#	69	53	1·22
	York	29.57	65	SW	3	b	29.52	—·02	55	54	— 4	W	1	c	#	b,r	9·2	68	52	1·03
	Loughborough ...	29.60	63	SW	1	c	29.61	—·01	56	54	— 2	WSW	3	bc	#	cpq,r,c	#	69	52	0·68
	Ardrossan ...	29.37	58	SSW	5	c	29.43	+·18	56	54	+ 1	S	4	o	3	r,c	#	58	53	0·34
	Malin Head ...	29.26	57	SW	7	bc	29.33	+·28	55	53	— 2	S	6	c	4	c,bc	#	60	52	0·11
	Belmullet ...	29.40	57	WSW	4	bcp	29.40	+·15	58	55	+ 1	W	3	c	#	c,bcp	#	60	53	0·20
	Donaghadee ...	29.42	58	WSW	6	o	29.46	+·18	56	54	+ 2	WSW	5	bc	3	o	#	65	49	0·24
	Liverpool (Bidston)	29.56	61	SW	4	c	29.55	+·04	59	53	0	SW	2	bc	1	c	#	64	52	—
	Holyhead ...	29.54	58	SW	8	cqm	29.54	+·08	58	55	— 1	WSW	5	c	4	bcq,cqm	#	62	54	—
	Parsonstown ...	29.47	58	W	1	c	29.52	+·13	55	52	— 2	W	1	c	#	c,p	3·7	61	51	0·08
	Valencia ...	29.54	60	SW	4	bcp	29.56	+·06	57	54	0	SW	5	cp	5	bcp	7·7	62	53	0·13
	Roche's Point ..	29.56	59	WSW	5	bcp	29.62	+·08	58	55	+ 1	WSW	5	c	4	bcp	#	60	52	0·22
	Pembroke (St. Anu's Hd.)	29.60	58	SW	6	o	29.64	+·07	59	58	0	W	7	cq	6	oq	5·8	62	55	0·08
	Scilly	29.65	57	SSW	1	c	29.75	+·07	59	56	— 1	WSW	6	cp	5	r,c	4·2	61	54	0·34
	Prawle Point ...	29.69	58	SSW	5	c	29.71	+·05	58	56	— 1	WSW	6	cm	5	c,rq	#	63	52	0·69
	Jersey (St. Aubin's)	29.80	65	SW	4	b	29.87	+·06	61	57	— 1	WSW	7	cpq	5	bc,b,rq	#	67	57	0·21
	Hurst Castle ...	29.76	62	SW	5	bc	29.75	+·02	61	58	— 2	WSW	6	c	3	c,bc,rq	#	66	53	0·20
	Dungeness ...	29.77	62	WSW	5	b	29.72	—·01	58	58	— 4	WSW	5	rq	4	b	#	67	56	0·10
	North Foreland	29.78	63	SSW	4	b	29.71	—·02	60	56	— 3	SW	3	b	2	p,b,r	#	69	53	0·14
	London (Brixton) ...	29.73	63	WSW	2	b	29.70	—·02	57	55	— 3	WSW	4	bc	#	bc,opq	8·8	71	50	0·34
	Oxford	29.69	59	SSW	3	r	29.68	·00	56	54	— 3	WSW	3	c	#	bc,p,r	#	67	51	0·88
	Cambridge ...	29.70	62	SSW	3	o	29.65	—·03	56	54	— 4	SW	4	bc	#	o,rq	1·9	70	50	0·18
	Yarmouth ...	29.69	61	SW	2	b	29.60	—·07	58	55	— 3	SW	5	c	3	bc,b	#	70	52	0·09
Germany & Holland	Cuxhaven ...	29.81	65	NE	0	o	29.72	—·14	61	57	+ 3	S	3	c	#	b,tlr	#	66	54	1·34
	Berlin	29.87	66	SE	1	b	29.84	—·09	63	61	+ 6	SSW	2	b	#	b	#	72	57	—
	Wiesbaden ...	*	*	*	*	*	29.89	—·07	61	60	+ 1	SW	1	o	#	#	#	72	57	0·08
	Munich... ..	30.07	64	NE	2	c	30.05	—·02	64	62	+ 5	SW	1	o	#	c	#	73	59	0·04
	The Helder ...	29.75	64	SW	2	b	29.59	—·16	58	56	— 4	SSW	3	r	1	b	#	66	55	0·28
Belgium.	Brussels ...	*	*	*	*	*	29.77	—·05	60	59	— 2	WSW	5	bc	#	b	#	71	56	0·04
	Cape Gris Nez...	29.80	63	W	4	b	29.72	—·02	58	56	— 2	W	6	r	6	b	#	68	55	0·24
	Paris	29.87	66	SW	2	bc	29.90	+·03	61	59	0	SW	2	b	#	bc	#	72	59	—
	Brest	29.76	63	S	4	c	29.89	+·08	60	59	— 2	WSW	4	bc	5	c	#	64	55	0·12
	Lorient	29.83	64	SW	5	o	29.94	+·10	61	59	0	W	5	c	5	o	#	70	46	0·08
France &	Rochefort ...	30.02	68	WSW	4	bc	30.07	+·12	65	64	— 1	WNW	5	bc	#	bc	#	77	63	0·24
	Belfort	29.94	65	W	3	c	29.94	—·01	62	61	0	S	3	m	#	c	#	74	61	—
	Lyons	29.98	68	N	1	o	30.00	+·02	66	64	+ 1	SSW	1	bc	#	tlr,o	#	80	62	0·24
	Nice	30.01	68	S	3	b	30.04	+·02	67	63	+ 3	SE	0	bc	0	b	#	79	63	—
	Perpignan ...	30.00	72	NE	2	o	30.04	+·06	70	69	+ 4	NE	1	o	#	o	#	79	64	—
	Biarritz ...	29.97	72	NNE	3	b	30.05	+·07	69	64	0	WNW	4	o	2	b	#	70	766	—
Peninsula	Corunna ...																#			
	Lisbon	30.09	71	S	4	b	30.13	+·04	68	66	— 1	N	4	o	#	b	#	82	66	0·04
	Azores (P. Delgada)	30.26	69	NNE	2	b	30.23	+·03	72	69	0	SE	1	bc	3	b	#	79	68	—

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

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

Bright Sunshine yesterday Southport 10·0 hrs;

WEATHER CHARTS

FOR Tuesday, 31st August, 1897.

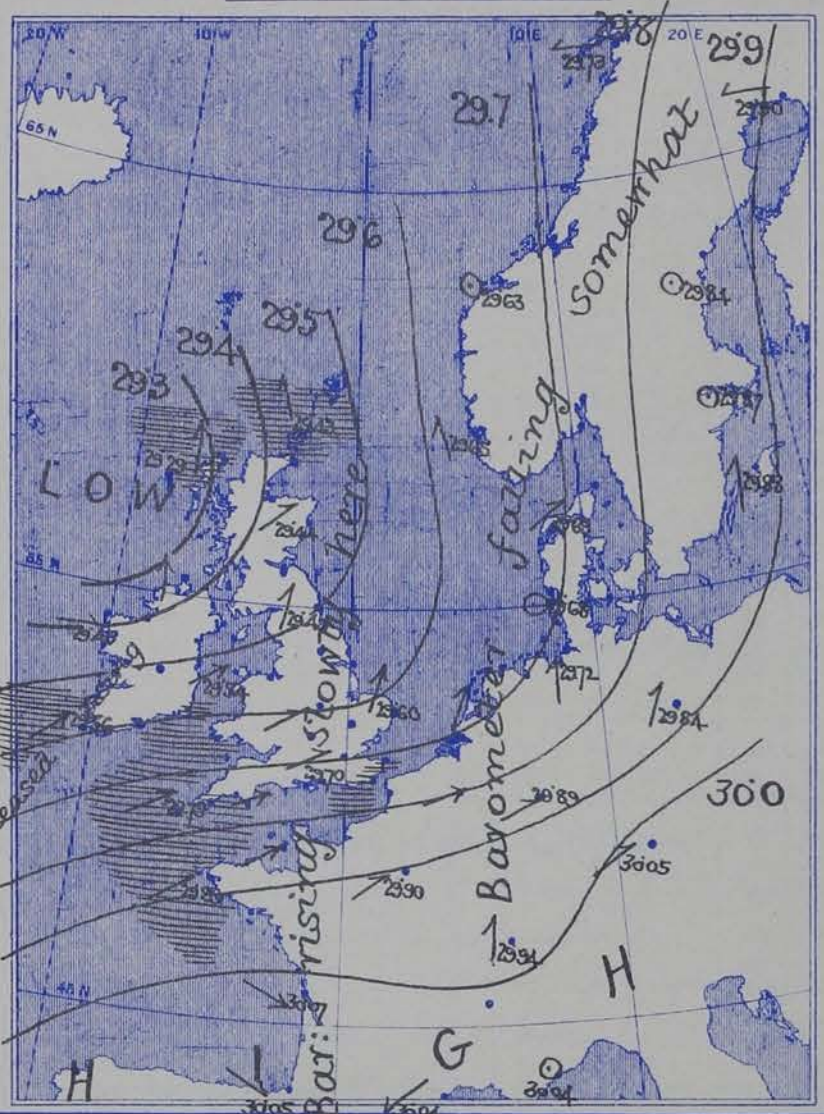
BAROMETER, WIND AND SEA.

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*

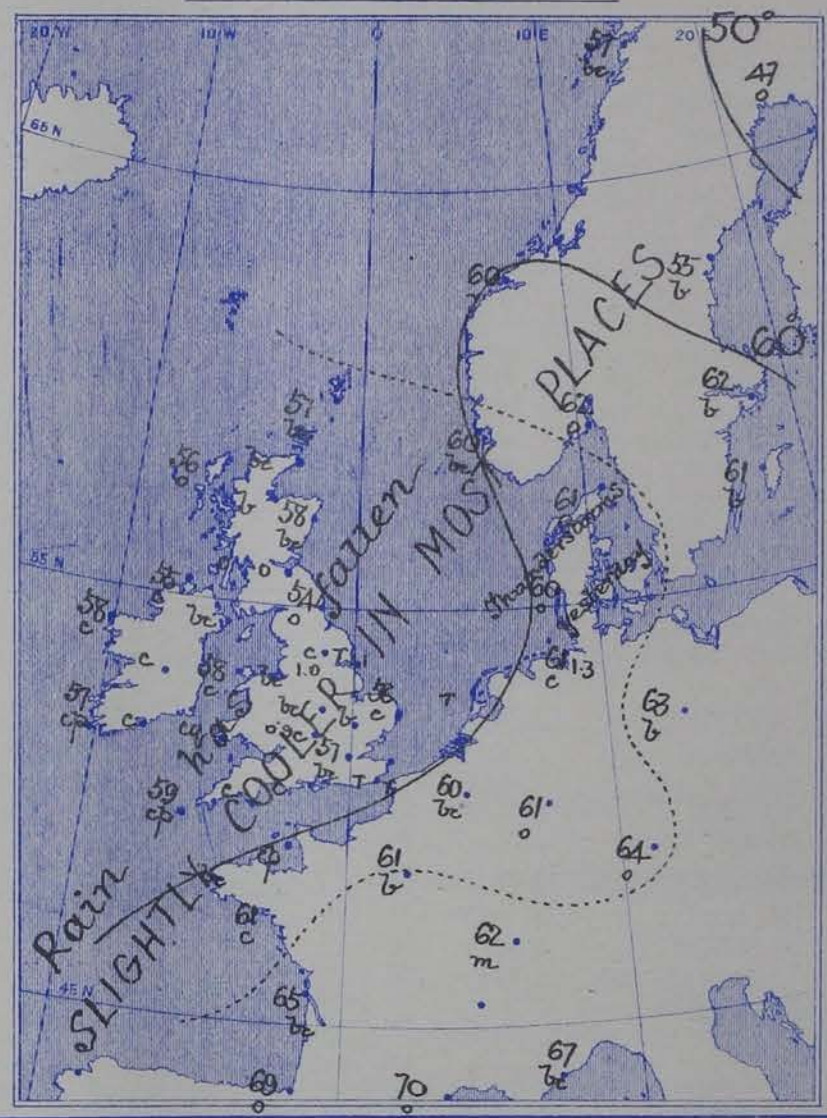


TEMPERATURE & WEATHER.

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 AUGUST.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 767	53 · 4	51 · 8	57 · 7	48 · 5	69	1880	38	1885, 95	3 · 44	—	—
Stornoway	29 · 782	55 · 0	53 · 5	59 · 8	49 · 1	74	1876	33	1888	3 · 77	117 · 4	25
Wick	29 · 798	55 · 3	53 · 4	61 · 2	48 · 6	85	1893	30	1886	2 · 68	—	—
Nairn	29 . 803	55 · 7	53 · 0	63 · 6	50 · 1	81	1887	33	1885, 91	2 · 80	—	—
Aberdeen	29 · 819	56 · 6	53 · 5	63 · 1	50 · 2	81	1880, 82	33	1885	3 · 15	151 · 1	33
Leith	29 · 835	57 · 6	54 · 4	65 · 8	51 · 3	85	1893	37	1874	2 · 74	—	—
Shields	29 · 858	57 · 3	54 · 6	63 · 9	51 · 7	83	1893	39	1892	2 · 86	—	—
Spurn Head	29 894	58 · 9	56 · 6	64 · 4	54 · 9	87*	1893	46*	1887, 90	1 · 84	—	—
York	29 · 895	57 · 8	55 · 1	67 · 8	51 · 4	89	1876	37	1887	2 · 62	145 · 1	32
Loughborough	29 · 923	59 · 2	56 · 3	70 · 3	52 · 0	91*	1893	38*	1885, 87, 88	2 · 50	—	—
Ardrossan	29 · 843	57 · 3	55 · 0	63 · 4	52 · 8	84	1872	38	1881	3 · 91	—	—
Malin Head	29 · 839	56 · 1	53 . 9	61 · 7	54 · 0	—	—	—	—	—	—	—
Belmullet	29 · 867	57 · 8	55 · 2	62 · 5	54 · 1	—	—	—	—	4 · 62	—	—
Donaghadee	29 · 869	56 · 9	55 · 4	62 · 5	52 · 6	77	1890	38	1886	3 · 27	—	—
Holyhead	29 · 898	58 · 4	56 · 2	64 · 0	54 · 7	83	1893	45	1888	2 · 98	—	—
Liverpool	29 · 898	58 · 6	55 · 3	65 · 6	54 · 3	85	1876, 84, 93	44	1885	2 · 87	—	—
Parsonstown	29 · 908	57 · 2	55 · 1	65 · 7	51 · 5	82	1893	35	1885, 87	3 · 67	131 · 0	29
Valencia	29 · 921	59 · 3	56 · 9	64 · 4	54 · 2	80	1893	42	1890	4 · 85	146 · 0	33
Roche's Point	29 · 921	58 · 8	56 · 3	65 · 7	53 · 9	80	1880	44	1883	4 · 03	—	—
Pembroke	29 · 923	58 · 6	56 · 6	63 · 0	55 · 6	78	1874	47	1885, 88	2 · 88	188 · 8	42
Scilly	29 · 958	60 · 9	58 · 8	64 · 9	56 · 9	75	1893	50	1885, 90, 95	2 · 54	—	—
Prawle Point	29 · 968	60 · 0	57 · 9	65 . 1	54 · 5	82*	1887	43*	1888	2 · 24	—	—
Jersey	29 · 987	63 · 0	59 · 7	68 · 8	57 · 2	89	1893	45	1890	2 · 44	241 · 2	55
Hurst Castle	29 · 962	61 · 2	59 · 0	68 · 1	56 · 0	82	1876, 93	43	1877	2 · 37	—	—
Dover	29 · 945	61 · 9	58 · 7	67 · 3	56 · 6	80	1887, 94	39	1890	2 · 07	—	—
LONDON	29 951	60 · 9	57 · 3	71 · 6	53 · 5	96	1876	39	1887, 90	2 · 36	160 · 9†	36†
Oxford	29 · 944	58 · 8	55 · 9	69 · 1	53 · 0	90	1876	39	1892	2 · 32	182 · 9	41
Cambridge	29 · 933	59 · 9	57 · 1	71 · 1	51 · 9	95	1876	39	1876, 77, 81, 90	2 · 39	180 · 5	40
Yarmouth	29 . 920	60 · 5	57 · 5	66 · 3	54 · 7	85	1893	42	1876, 85	2 · 30	—	—

* 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 30.04 ins. to 29.8 ins. over France, the N. of Italy and S. Germany, and 29.9 ins. and more to 29.8 ins. over Finland, the Gulf of Bothnia and Sweden. Lowest. Below 29.3 ins. off our extreme NW^rn coasts, and below 29.6 ins. in a secondary system over the North Sea. Gradients moderate everywhere – favourable for S^ly winds over Scotland & the E^rn shores of the North Sea, and for WSW^ly winds over Ireland and England. Barometer rising over our Islands – most over St. Britain – but at Valencia (Ireland) the rise had apparently ceased.

TEMPERATURE — Highest 70° to 65° at the stations in the S. of France, and exceeding 60° over our own S^rn counties and on the eastern shores of the North Sea. Lowest 47° at Haparanda, 54° at Shields, 55° at Malin Hd, Parsonstown and York. The maxima recorded yesterday were below 65° over the greater part of Ireland and England, but touched 70° at Yarmouth and Cambridge, 71° in London, 72° at Berlin & Paris, 79° at Nice and Perpignan.

WIND — (1) Strong and squally from WSW. over the southern half of our Islands, moderate from S. in the north; (2) moderate from W. over the Bay of Biscay, from SW. to S. over the Netherlands and Germany, and from S and SE. over Scandinavia. It had blown very strongly from between S. and W. in a squall over England during the night. At Valencia it was apparently backing towards S. again this morning.

WEATHER — Very changeable. Showers were falling in several isolated localities, while in others the sky was clear. The general appearance, however, is rough and unsettled. Rain had again fallen very generally – more than an inch is reported from Cuckaven, Spurn Hd and York, 0.9 in. at Oxford, 0.7 in. at York and Loughborough. Bright Sunshine recorded yesterday amounted to 10 hrs. at Southport, and about 9 hrs. in London & at York.

SEA — Rough in the N. and also in the SW. and S; slight off our E^rn coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The secondary disturbance in the east passed across England from WSW. to ENE. at the rate of 40 miles an hour. There are already indications that a new depression of larger area is approaching our Islands from the Atlantic

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE^ly and S^ly winds increasing in force; squally, rainy.
1	SCOTLAND EAST	SW^ly and S^ly winds, fresh; fair today; rainy later.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW^ly winds, strong to moderate; some passing showers, less fair later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0.
7	ENGLAND N.W.	Wind moderating with showers, then backing S^rly again and increasing; with considerable rain.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	The South Cone is still flying in districts 1 and part of 0.

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 ...	29.74	62	59	SE	6	o	4
Sumburgh Head	29.37	56	56	E	4	r	6
Stornoway	29.15	62	56	SE	4	o	4
Aberdeen	29.38	58	55	SSE	6	cq	5
Shields	29.49	66	57	SW	4	c	2
Ardrossan	29.32	57	56	S	6	r	5
Malin Head ...	29.18	55	53	SW	9	c	6
Belmullet	29.37	60	56	WSW	4	c	*
Holyhead	29.53	61	58	SW	8	bqm	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.54	60	56	SW	5	bc	5
Scilly	29.71	59	58	SSW	3	r	4
Jersey	29.85	66	60	SW	5	bc	4
Hurst Castle ...	29.77	65	62	SW	5	c	3
Dungeness ...	29.76	66	63	WSW	6	b	5
North Foreland	29.76	67	60	SSW	4	bc	3
London (Westminster)	29.77	69	60	WSW	3	c	*
Yarmouth ...	29.70	69	59	WSW	4	bc	2
Rochefort ...	30.07	70	67	W	4	bc	*

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

Weather in morning fine and bright over all the southern, southeastern and southeastern countries of Europe, as well as over the north of Russia, Finland, and the north of Scandinavia, and the eastern part of England, very dull, rainy, and unsettled in the north and west of our Islands. Rain falling later all over the British Islands and northwestern Europe—the amounts being large at several of the southern and eastern stations; thunder and lightning reported in several localities.

Temperature in morning highest 71° at Constantinople, and Algiers, and exceeding 70° on the southern side of the Mediterranean generally, 60° and more over the central and western parts of Europe generally, as well as on the eastern coasts of England. Lowest (1) 44° at Archangel, 54° at Ukeaborg, 58° at Moscow; (2) 34° at Varaflades, 55° at Ardrossan, 57° at Belmullet, Wick, and Lerwick Hd. Rising later to between 60° and 65° over Ireland and the greater part of Scotland, to 67° at Jersey, 70° at Yarmouth and Cambridge, 71° in London, 72° at Berlin and Paris, 73° at Nice and Perpignan, 82° at Lisbon.

Wind (1) continuing light and very variable over the whole of southern and southeastern Europe, and light, but cyclonic, over central and western Russia; (2) Strong to moderate, but cyclonic, over the British Islands and northwestern Europe generally:— W[3] at our western stations, SW[1] in the east, and S[3] to SE[3] in the north. Continuing to blow very strongly (a gale in places) over our northwestern districts during day, but moderating elsewhere, and tending to veer S[3] at the Scotch stations.

Barometer highest 30·2 in. and more to 30·0 in. over northern Europe, and exceeding 30·0 in. in several separate areas covering southwestern, central and eastern Europe. Lowest, below 29·1 in. in a well-marked depression lying off our northwest coast, and below 29·7 in. in another system over Central Russia. The northwestern depression travelling northwards later, but a secondary system approaching the southwest of England 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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ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Lisbon	29.99	68	NNW	5	b	30.01		71	-		NNW	4	bc	-	b	-	82	66	-
2	Corunna	29.98	66	NNW	2	r	30.07	?	63	62	?	NNW	2	f	2	r	-	75	59	0.08
3	Corunna	30.09	68	NW	1	b	30.09	+.02	60	59	-3	NNW	1	f	2	b	-	70	52	-
4	Haparanda	29.97	60	N	0	0	29.91	-.12	61	57	+2	N	0	c	-	0	-	65	48	0.04
..	Hernösand	30.09	65	NW	4	bc	30.14	+.05	59	50	-4	NNW	4	bc	-	bc	-	77	55	-
..	Stockholm	30.10	62	S	2	0	30.14	-.01	64	59	-4	NNE	4	0	-	0	-	72	54	0.04
-	Visby	30.12	64	SSW	4	b	3008	-.07	64	61	+3	NE	4	bc	-	b	-	72	55	-
..	Karlstad	30.05	72	ESE	2	0	30.20	+.08	63	55	-6	NE	4	0	-	0	-	-	-	-
-	Corunna	3010	68	NW	2	b	3005	-.04	?	64	?	NW	1	m	2	b	-	70	61	-
5	Cape Gris Nez	30.00	71	E	2	bc	29.89	-.22	72	?	+3	NE	1	bc	1	bc	-	86	64	-
.	Corunna	30.05	70	NNW	5	b	30.04	-.01	68	63	?	SW	3	0	4	b	-	72	59	-
6	Corunna	30.06	70	NNW	4	b	30.07	+.09	68	63	0	SW	3	bc	3	b	-	72	61	-
..	Azores (P. Delgada)	30.25	72	SW	3	0	30.22	-.04	71	69	0	SW	4	m	3	0	-	77	70	-
9	Corunna	30.15	75	SW	6	m	30.19	+.06	71	67	+1	SW	2	0	2	m	-	79	63	-
11	Corunna	30.06	70	NNW	3	b	30.17	?	66	63	?	NW	3	bc	3	b	-	72	61	-
12	Corunna	30.23	67	NW	2	b	30.34	+.17	65	61	-1	N	2	b	3	b	-	68	55	-
13	The Helder	3002	65	NNW	3	b	3009	+.20	65	-	+2	NNW	1	0	1	b	-	66	63	-
14	Corunna	30.13	66	N	3	bc	3009	-	65	64	-	SSW	2	f	3	bc	-	70	59	0.04
17	The Helder	29.93	64	SW	1	bc	29.88	+.13	64	-	+2	SW	4	c	1	bc	-	66	62	-
..	Corunna	30.17	68	NW	3	bc	30.12	-	68	64	-	W	1	0	3	bc	-	70	61	-
18	Corunna	30.07	68	WSW	3	b	30.10	-.02	66	63	-2	SW	2	0	3	b	-	73	50	-
20	Corunna	30.25	66	NW	2	b	30.19	-	64	59	-	SW	1	0	4	b	-	68	55	-
24	Corunna	30.08	67	NNW	3	b	29.98	-	66	-	-	W	3	c	1	b	-	70	57	-
..	Azores (P. Delgada)	30.30	68	NNE	2	c	30.28	+.02	71	-	0	NNE	1	0	1	c	-	?	66	-
26	Corunna	30.08	68	SW	2	0	29.98	-	67	-	-	SSW	3	0	3	0	-	73	61	-
27	Nice	29.96	69	N	0	b	30.04	+.12	67	-	0	N	0	bc	1	b	-	79	59	-
..	Corunna	29.95	72	SW	3	c	29.99	+.01	64	-	-3	WSW	2	0	3	c	-	75	57	0.08
29	Azores (P. Delgada)	3016	67	N.NE	3	0	30.16	.00	68	-	0	NNE	1	0	1	0	-	73	63	-
30	Corunna	30.01	73	SSW	3	c	30.16	+.06	68	-	+4	SW	2	b	3	c	-	75	61	-

REPORTS FOR AUGUST 1897.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Nairn	-	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	-
2	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	0	-	0·11r	-	-	-	-
..	Jersey	-	-	-	-	-	30·04	- 04	-	-	-	-	-	-	-	-	-	-	-	-
..	Hurst Castle	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Jersey	-	-	-	-	-	30·17	+·13	-	-	-	-	-	-	-	-	-	-	-	-
4	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-
5	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·33
-	Hurst Castle	-	-	-	-	-	-	-	-	-	-	NNE	-	-	-	-	-	-	-	-
7	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-
8	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.1	-	-	-
10	Malin Head	-	-	-	-	-	29.87	+·06	-	-	-	-	-	-	-	-	-	-	-	-
-	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-
..	Pembroke	29.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	-	-	-
11	Parsontown	-	-	-	-	-	-	-	58	-	- 1	-	-	-	-	-	-	-	-	-
..	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71	-	-
-	Prawle Point	-	-	-	-	-	-	-	-	-	-	NNW	-	-	-	-	-	-	-	-
-	Hurst Castle	-	-	-	-	-	-	-	65	-	- 1	-	-	-	-	-	-	-	-	-
12	Malin Head	29.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·06
13	York	29.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-
..	Scilly	-	-	-	-	-	29.80	-·31	-	-	-	-	-	-	-	-	-	-	-	-
-	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-
..	North Foreland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-
-	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-
14	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-
15	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·17
16	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-
17	Leith	-	-	-	-	-	-	-	-	-	-	W	3	6	-	-	-	-	-	-
19	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-
23	Hurst Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·04
..	North Foreland	-	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-
24	Leith	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-
..	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-
26	Liverpool	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-
-	Cambridge	-	-	-	-	-	-	-	55	-	0	-	-	-	-	-	-	-	-	-
27	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-
28	Lyons	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Aranossan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-
30	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·19
..	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-
..	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·35
..	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	6c	-	-	-	-	-	-
31	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5·2	-	-	-
..	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·19
..	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	-	-	-